

na·de®



PRODUCT CATALOGUE

2025

LIGHTING & EMERGENCY GUIDANCE

VIDEO & AUDIO INTERCOM SYSTEMS

SENSOR & SENSORLIGHTING

FIRE DETECTION & WARNING SYSTEMS



 **DMY**
ELEKTRİK İ OTOMASYON İ AYDINLATMA

 **ALGA**  **SAVIOR**  **na·de**





DMY Electrical Automation Lighting Inc. (www.dmyeo.com.tr) is a new structure formed by the merger of ALGA, SAVIOR, and NA-DE companies, which operated under the DMY group in 2020.

The merging of these companies, each with extensive experience in their respective fields, was aimed at creating significant synergy by DMY Group to promote economic activity, and the positive impact of this has been achieved in a short time.

Although the activities of the merged three companies differ, the intersection points and the provision of intersecting services at a higher quality were realized as one of the main objectives.

The companies, gathered at DMY group's address in Sancaktepe under the name DMYEOA, provide production, logistics, technical service, and other services in a total area of 12,000 m².

Apart from our headquarters, our activities are conducted by our branches in Ankara, Izmir, Bursa, and Karaköy (Showroom), as well as our representative offices in Adana, Gaziantep, Antalya, and Trabzon.

For over 50 years, our company has been continuing its production activities for the NA-DE brand, which is a pioneer in the Lighting, Sensor, Video and Audio Intercom Systems, Fire Detection, Solar-powered lighting fixtures, and price boards sectors, through dealerships nationwide, offering domestically manufactured and quality products to end-users.

With its current trajectory, NA-DE has secured a competitive position in its industry. Through its modern infrastructure and testing equipment, it conducts R&D activities in its laboratories equipped with all kinds of equipment, introducing new design products such as the first domestically manufactured "Motion Sensor" and "Motion Sensor Ceiling and Wall Mounted Lighting Fixtures" as a result of long-term research. NA-DE carries out its production with the latest technology machinery and equipment, offering products that comply with national (TSE) and international standards (ISO 9001, CE, TUV GS) to both domestic and international markets.

NA-DE is progressing and evolving with solid steps towards the future. By implementing quality policies and conducting activities in its R&D center established in 2018, it continuously renews itself and its production portfolio with advancements and modernization in production techniques.

In the electrical storage segment, previously operated under our company as ALGA Engineering Inc., industrial type dry VRLA, GEL, and Li-ion batteries, certified according to TSE standards under the USB and CGB brands, are also sold, distributed, and warranted within the DMYEOA structure. We distribute these products to various sectors in need of them through our dealers or direct channels, always ensuring their timely delivery under appropriate storage conditions.

In the field of Machine Automation, our company, previously operating as SAVIOR Control Automation Inc., represents or distributes world-renowned brands such as Panasonic, ABB, Weintek, INVT, Euradrive, Trio Motion, HSC, Chint, focusing on servo motors, servo drives, frequency converters, inverters, HMI, control panels, industrial PCs, AG switchgear products, automation relays, soft starters, PLCs, and CNC controllers, serving machine manufacturers, HVAC, marine, plastic, iron, and steel industries, aiming to create value and benefit.

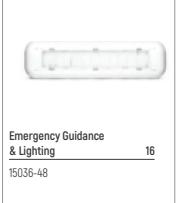
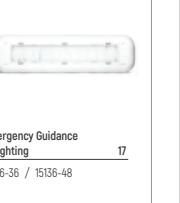
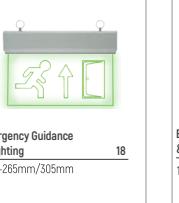
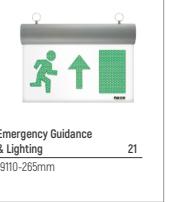
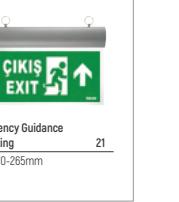
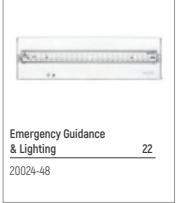
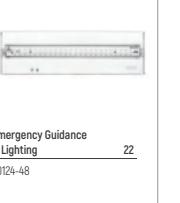
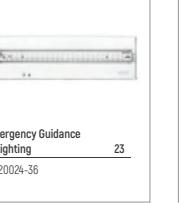
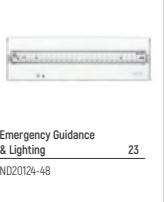
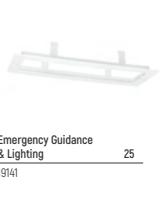
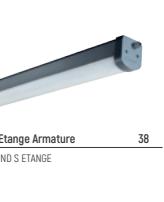
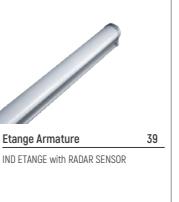
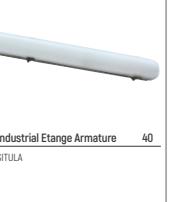
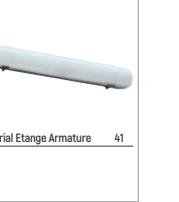
Through its activities in the electrical, electronic, and power electronics sectors, DMY Group provides numerous input products and value-added services to facilitate industrial and industrial development.

In line with this, DMYEOA continues to expand and broaden its activities in various fields, fulfilling its share of responsibility.



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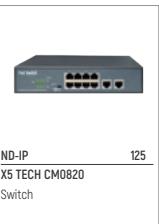
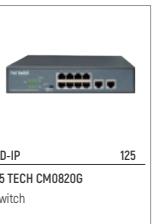
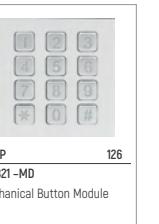
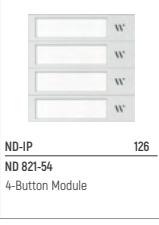
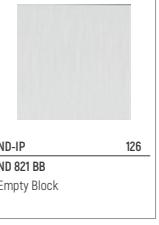
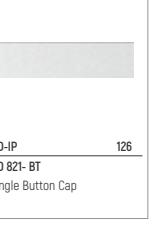
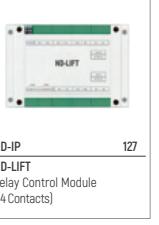
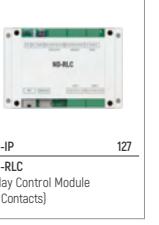
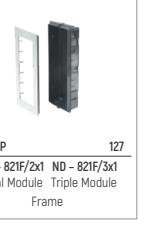
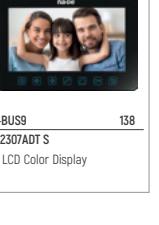
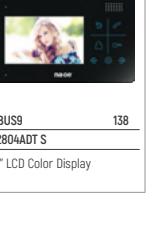
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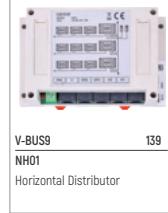
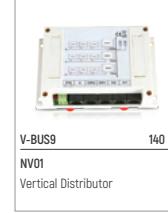
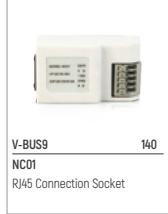
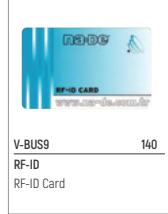
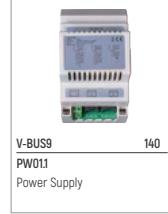
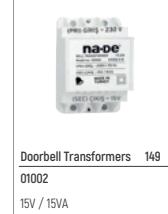
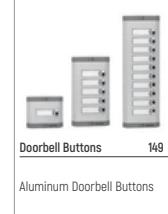
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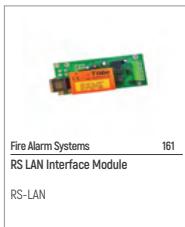
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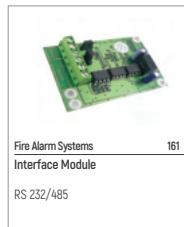
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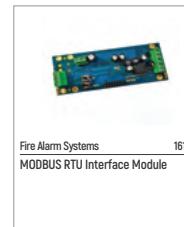
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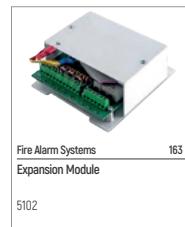
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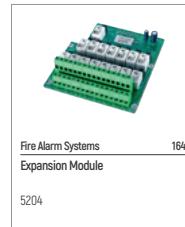
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LIGHTING & EMERGENCY GUIDANCE



SENSOR & SENSOR LIGHTING



VIDEO & AUDIO INTERCOM SYSTEMS

FIRE DETECTION & WARNING SYSTEMS

WHERE
THERE IS
LIGHT
THERE IS
LIFE

LIGHTING



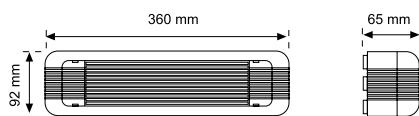
na·De®

www.na-de.com.tr

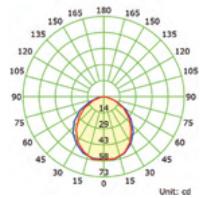
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15036-48-N** (Surface-mounted) / 16036-48-N** (Flush-mounted)

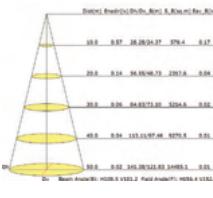
Emergency Lighting Armature · Non-maintained · with Sticker***



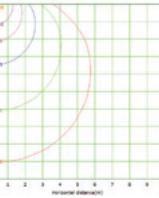
Luminous Intensity Distribution



Curve Illuminance at a Distance



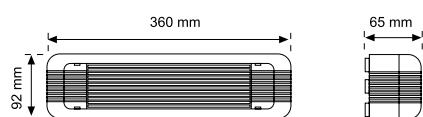
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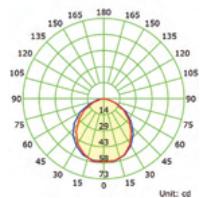
Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
230-240V~ 50/60Hz	NM	1lm	3 Hours	3x1.2V 2100mAh AA Ni-Mh	-20°C ~ +40°C	IP 20 II Class

15036-48 (Surface-mounted) / 16036-48 (Flush-mounted)

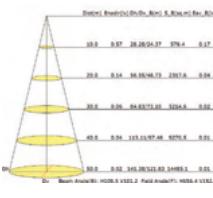
Emergency Lighting Armature · Non-maintained



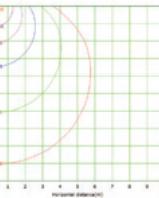
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
230-240V~ 50/60Hz	NM	1lm	3 Hours	3x1.2V 2100mAh AA Ni-Mh	-20°C ~ +40°C	IP 20 II Class

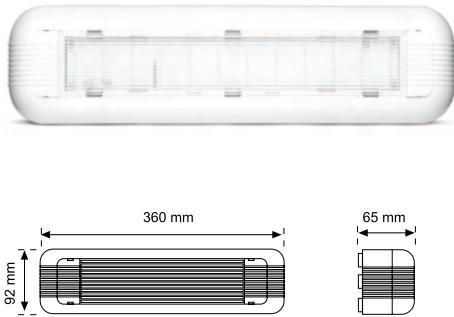
***Emergency Guidance Stickers

N
ÖZEL
CUSTOMIZABLE
STICKERN3 N9 N11 N13 N1 **EXIT**N4 N10 N12 N14 

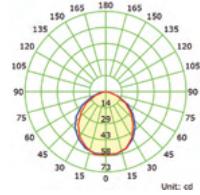
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15136-48 (Surface-mounted) / 16136-48 (Flush-mounted)

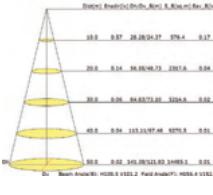
Emergency Lighting Armature - Maintained



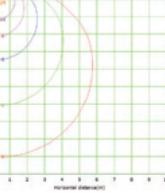
Luminous Intensity Distribution



Curve Illuminance at a Distance



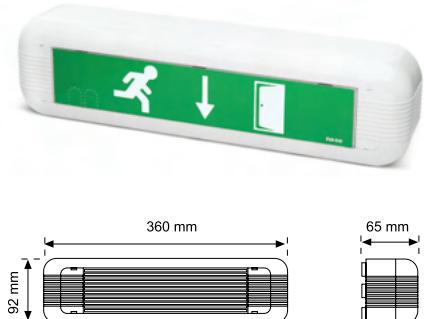
Vertical IsoLux Plot



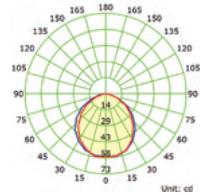
Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
230-240V - 50/60Hz	M	1lm	120 lm	3xLiFePO4 2000mAh AA Ni-Mh	-20°C - +40°C	IP 20 / II Class

15136-48-N** (Surface-mounted) / 16136-48-N** (Flush-mounted)

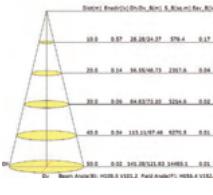
Emergency Lighting Armature - Maintained - with Sticker**



Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
230-240V - 50/60Hz	M	1lm	120 lm	3xLiFePO4 2000mAh AA Ni-Mh	-20°C - +40°C	IP 20 / II Class

***Emergency Guidance Stickers

N
ÖZEL
CUSTOMIZABLE
STICKER

N3

N9

N11

N13

N1

N4

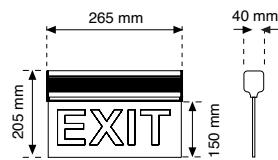
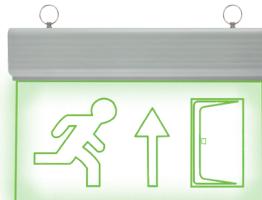
N10

N12

N14

Emergency Lighting & Guidance Armatures

17110-265mm / 17110-265mm-G LED Emergency Guidance Armature with Chain Mounting (Double-Sided)***

EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

- 48 hour charging
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

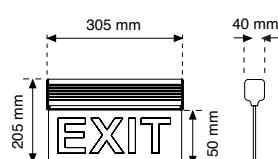
- 48 hour charging
- Engraving options
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	3 Hours	9V 12V 1000mAh AA Ni-CD	-20°C ~ +40°C

17110-305mm LED Emergency Guidance Armature with Chain Mounting (Double-Sided)***

EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

- 48 hour charging
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration



Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	3 Hours	9V 12V 1000mAh AA Ni-CD	-20°C ~ +40°C

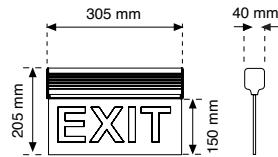
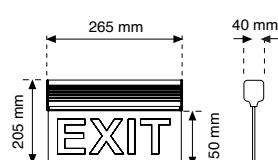
17130-265mm / 305mm LED Emergency Guidance Armature with Chain Mounting (Double-Sided)***

EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

ALUMINUM BODY

- 12 to 48-hour charging duration options
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	3 Hours	9V 12V 1000mAh AA Ni-CD	-20°C ~ +40°C



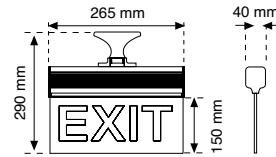
***Emergency Guidance Stickers

N
ÖZEL
CUSTOMIZABLE
STICKERN1
EXITN3
N4
N9
N10
N11
N12
N13
N14

Emergency Lighting & Guidance Armatures

17120-265mm/ 17120-265mm-G

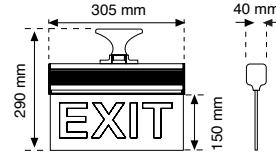
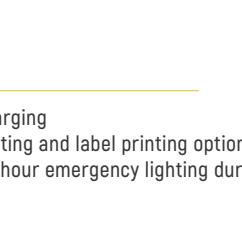
LED Emergency Guidance Armature with Mounting Apparatus (Double-Sided)***



- 48 hour charging
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V - 50/60Hz	M	3 Hours	1602V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP / 20 II Class

17120-305mm LED Emergency Guidance Armature with Mounting Apparatus (Double-Sided)***



- 48 hour charging
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V - 50/60Hz	M	3 Hours	1602V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP / 20 II Class

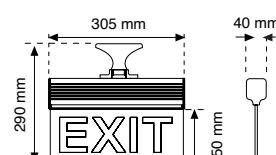
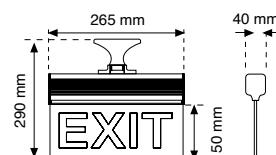
17140-265mm/305mm LED Emergency Guidance Armature with Mounting Apparatus (Double-Sided)***



ALUMINUM BODY

- 48 hour charging
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V - 50/60Hz	M	3 Hours	1602V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP / 20 II Class



***Emergency Guidance Stickers

N
ÖZEL
CUSTOMIZABLE
STICKER

N3

N9

N11

N13

N1

N4

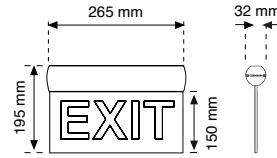
N10

N12

N14

Emergency Lighting & Guidance Armatures

18110-265mm / 18130-265mm LED Emergency Guidance Armature with Chain Mounting (Double-Sided)***

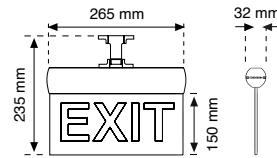
EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

ALUMINUM BODY

- 48 hour charging
- Engraving options
- Aluminum body
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	3 Hours	1x12V 1000mAh AA Ni-CD	IP 20 II Class

18120-265mm / 18140-265mm LED Emergency Guidance Armature with Mounting Apparatus (Double-Sided)***

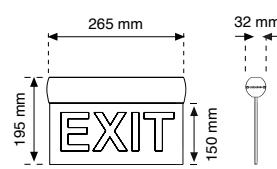
EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

ALUMINUM BODY

- 48 hour charging
- Engraving options
- Aluminum body
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	5 Hours	1x12V 1000mAh AA Ni-CD	IP 20 II Class

18110-265mm-B / 18130-265mm-B LED Emergency Guidance Armature with Chain Mounting (Double-Sided)***

EMERGENCY
LIGHTINGMADE IN
TÜRKİYE

ALUMINUM BODY

- 48 hour charging
- Engraving options
- Aluminum body
- Minimum 3 hour emergency lighting duration

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	3 Hours	1x12V 1000mAh AA Ni-CD	IP 20 II Class

Emergency Lighting & Guidance Armatures



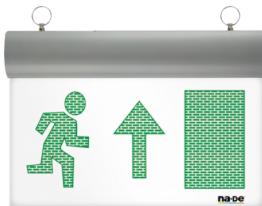
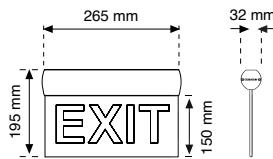
EMERGENCY LIGHTING

CE

MADE IN TURKIYE

19110-265mm / 19130-265mm

LED Emergency Guidance Armature with Chain Mounting***



- 48 hour charging
- Engraving options
- Minimum 3 hour emergency lighting duration

ALUMINUM BODY

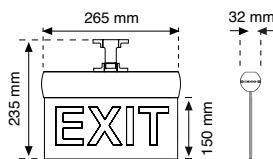
- 48 hour charging
- Engraving options
- Minimum 3 hour emergency lighting duration
- Aluminum body

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	6x1.2V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP 20 II Class



19120-265mm / 19140-265mm

LED Emergency Guidance Armature with Mounting Apparatus***



- 48 hour charging
- Engraving options
- Screen printing and label printing options
- Minimum 3 hour emergency lighting duration

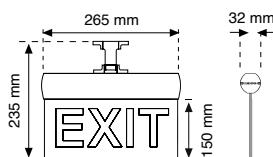
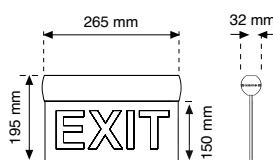
ALUMINUM BODY

- 48 hour charging
- Engraving options
- Minimum 3 hour emergency lighting duration
- Aluminum body

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	6x1.2V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP 20 II Class



18150-70-265mm (Chain-mounting) / 18160-80-265mm (with Mounting Apparatus)



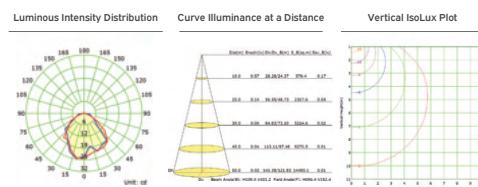
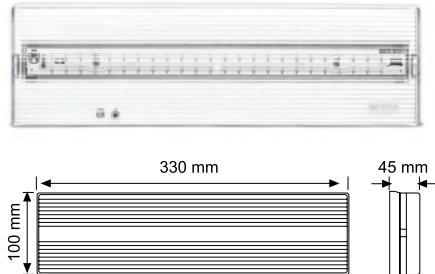
- 48 hour charging
- Engraving and screen printing
- Minimum 3 hour emergency lighting duration
- Aluminum body option available

- 48 hour charging
- Engraving and screen printing
- Minimum 3 hour emergency lighting duration
- Aluminum body option available

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
85-230V~ 50/60Hz	M	Maintained	6x1.2V 1000mAh AA Ni-CD	-20°C ~ +40°C	IP 20 II Class

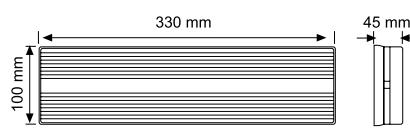
Emergency Lighting & Guidance Armatures

20024-48 Emergency Lighting Armature · Non-maintained***



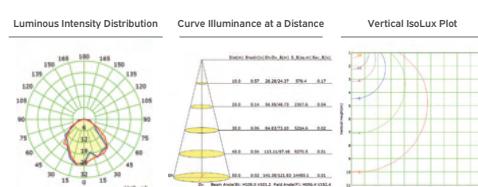
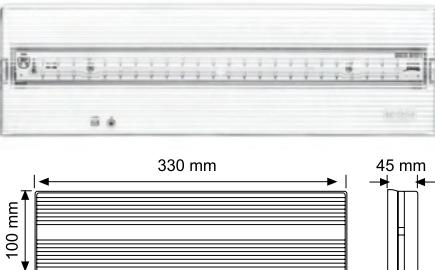
Operating Voltage	Working Mode
	NM
230-240V - 50/60Hz	Non-maintained
Luminous Flux	Emergency Lighting
1m	
130 lm	2 Hours
Battery Type	Protection Class
	IP 20
9V 1000mAh AA Ni-Cd	II Class
-20°C - +40°C	

20024-48-N** Emergency Lighting Armature · Non-maintained · with Sticker***



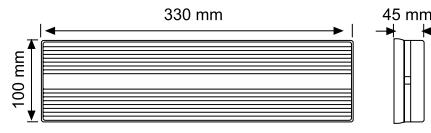
Operating Voltage	Working Mode
	NM
230-240V - 50/60Hz	Non-maintained
Luminous Flux	Emergency Lighting
1m	
130 lm	2 Hours
Battery Type	Protection Class
	IP 20
9V 1000mAh AA Ni-Cd	II Class
-20°C - +40°C	

20124-48 Emergency Lighting Armature · Maintained***



Operating Voltage	Working Mode
	M
230-240V - 50/60Hz	Maintained
Luminous Flux	Emergency Lighting
1m	
130 lm	2 Hours
Battery Type	Protection Class
	IP 20
9V 1000mAh AA Ni-Cd	II Class
-20°C - +40°C	

20124-48-N** Emergency Lighting Armature · Maintained · with Sticker***

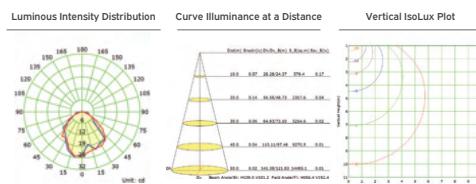


Operating Voltage	Working Mode
	M
230-240V - 50/60Hz	Maintained
Luminous Flux	Emergency Lighting
1m	
130 lm	2 Hours
Battery Type	Protection Class
	IP 20
9V 1000mAh AA Ni-Cd	II Class
-20°C - +40°C	

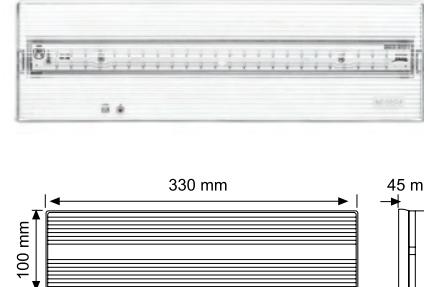
Emergency Lighting & Guidance Armatures



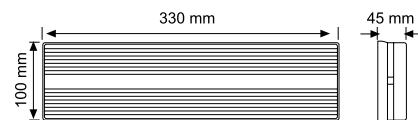
Operating Voltage	Working Mode
	NM
230-240V - 50/60Hz	Non-maintained
Luminous Flux	Emergency Lighting
Im	
150 lm	3 Hours
Operating Temp.	Protection Class
-20°C ~ +40°C	IP 20
Operating Temp.	Battery Type
-20°C ~ +40°C	II Class
	[6]x2V 1000mAh AA Ni-Cd]



ND20024-36 Emergency Lighting Armature - Non-maintained***



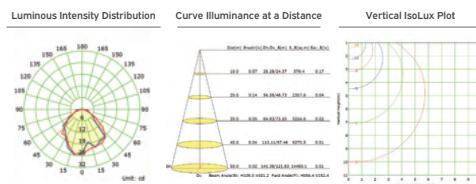
Operating Voltage	Working Mode
	NM
230-240V - 50/60Hz	Non-maintained
Luminous Flux	Emergency Lighting
Im	
150 lm	3 Hours
Operating Temp.	Protection Class
-20°C ~ +40°C	IP 20
Operating Temp.	Battery Type
-20°C ~ +40°C	II Class
	[6]x2V 1000mAh AA Ni-Cd]



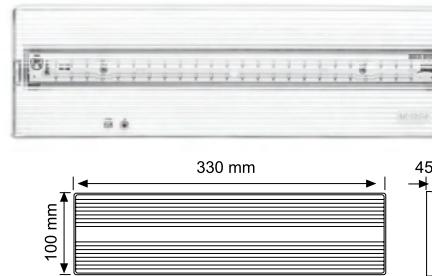
ND20024-36-N** Emergency Lighting Armature - Non-maintained - with Sticker***



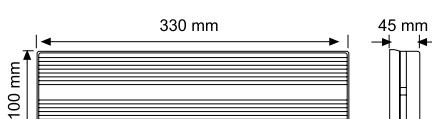
Operating Voltage	Working Mode
	M
230-240V - 50/60Hz	Maintained
Luminous Flux	Emergency Lighting
Im	
150 lm	3 Hours
Operating Temp.	Protection Class
-20°C ~ +40°C	IP 20
Operating Temp.	Battery Type
-20°C ~ +40°C	II Class
	[6]x2V 1000mAh AA Ni-Cd]



ND20124-36 Emergency Lighting Armature - Maintained***



Operating Voltage	Working Mode
	M
230-240V - 50/60Hz	Maintained
Luminous Flux	Emergency Lighting
Im	
150 lm	3 Hours
Operating Temp.	Protection Class
-20°C ~ +40°C	IP 20
Operating Temp.	Battery Type
-20°C ~ +40°C	II Class
	[6]x2V 1000mAh AA Ni-Cd]



ND20124-36-N** Emergency Lighting Armature - Maintained - with Sticker***





21000 / 21100 Emergency Lighting Module · Non-maintained



- 48 hour charging
- Aluminum body
- Minimum 3 hour emergency lighting duration
- Easy surface and flush-mounted installation options
- Test button feature
- External LED driver

Flush-mounted installation
cut-out diameter

Outer Diameter: 80mm
Hole Diameter: 70mm

Surface-mounted installation
Outer Diameter: 156mm

Operating Voltage	Working Mode	Emergency Lighting	Battery Type	Operating Temp.	Protection Class	Cutout Diameter
230-240V~ 50/60Hz	NM	3 Hours	3.6V 1800 mAh	-20°C ~ +40°C	IP / 20 II Class	Ø70 mm



22000 Emergency Lighting Armature (Outdoor) · Maintained



- Polycarbonate body
- Minimum 3 hour emergency lighting duration
- Dimensions (mm): a = 215, b = 110, c = 345
- Water resistance with IP65 protection
- Luminous flux: 280 lumens
- Emergency luminous flux: 140 lumens

Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
220-230V~ 50/60Hz	M	1m	3 Hours	3.6V 1000 mAh	-20°C ~ +40°C	IP / 65 II Class



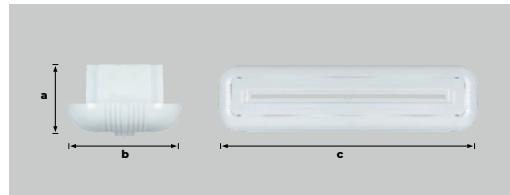
22100 Emergency Lighting Armature (Outdoor) · Maintained



- Polycarbonate body
- Minimum 3 hour emergency lighting duration
- Dimensions (mm): a = 110, b = 60, c = 345
- Water resistance with IP65 protection
- Luminous flux: 280 lumens
- Emergency luminous flux: 140 lumens

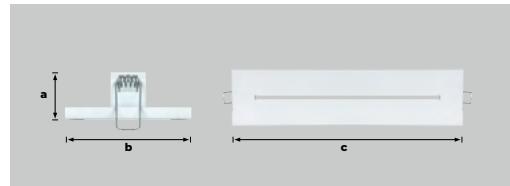
Operating Voltage	Working Mode	Luminous Flux	Emergency Lighting	Battery Type	Operating Temp.	Protection Class
220-230V~ 50/60Hz	M	1m	3 Hours	3.6V 1000 mAh	-20°C ~ +40°C	IP / 65 II Class

17000 Flush-mounted Apparatus for Emergency Guidance Armature (Plastic)



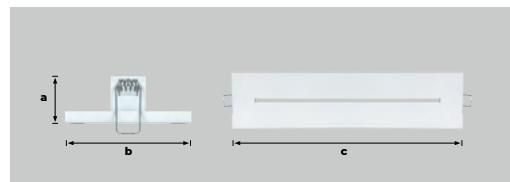
- Cut-out size: 346 x 40 mm
- 265 mm flush-mounting apparatus
- a: 62mm
- b: 93mm
- c: 360mm

17001 Flush-mounted Apparatus 265mm for Emergency Guidance Armature (Metal)



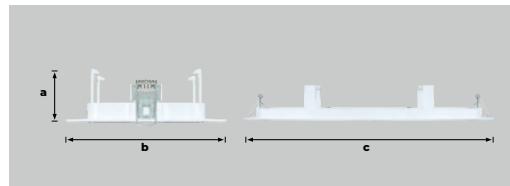
- Cut-out size: 282x70 mm
- 265 mm flush-mounting apparatus
- a: 32mm
- b: 83mm
- c: 330mm

17002 Flush-mounted Apparatus 305mm for Emergency Guidance Armature (Metal)



- Cut-out size: 350x70 mm
- 305 mm flush-mounting apparatus
- a: 37mm
- b: 83mm
- c: 368mm

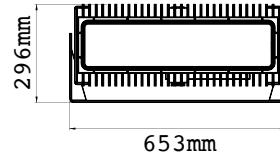
19141 Flush-mounting Apparatus (Plastic) for Emergency Guidance Armature 20024 or 20124



- Cut-out size: 355x120 mm
- Flush-mounting apparatus
- a: 52mm
- b: 141mm
- c: 369mm

FLOODLIGHTS IP67
Flood Light

INDULINA



FLOODLIGHT	INDULINA 400	INDULINA 500	INDULINA 600	INDULINA 1200	INDULINA 1800	INDULINA 2400
DATA SHEET						
POWER CONSUMPTION	400W	500W	600W	1200W	1800W	2400W
INPUT VOLTAGE				220 - 240 V AC		
POWER FACTOR				>0.95		
COLOR RANGE				3000K-6500 K		
BEAM ANGLE (WITH LENS)				120°, 60°, 25°		
OPERATING TEMPERATURE				- 40° / +35° C		
SOURCE LIFE (hours)				50 000 hours @LM70		
HOUSING				Aluminum Body		
IP (INGRESS PROTECTION)				IP67		
LUMINOUS FLUX	48000 lm	60000 lm	72000 lm	144000 lm	216000	288000
DIMENSIONS (mm)	296x653	296x653	296x653	607x656	913x660	1224x670



SURFACE-MOUNTED

MICRA GEN3

FLOODLIGHTS IP66
Flood Light

MICRA GEN3 is an outdoor LED fixture with different angle options with 50% lower power consumption.

Different angle options
 Different body color options
 Different fitting options
 Different light color options
 No UV, mercury and lead free
 Custom design option for project



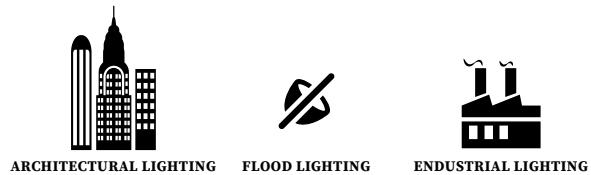
	MICRA GEN3 100	MICRA GEN3 150	MICRA GEN3 200	MICRA GEN3 250	MICRA GEN3 300
DATA SHEET					
POWER CONSUMPTION	100W	150W	200W	250W	300W
INPUT VOLTAGE			220 - 230 V AC		
POWER FACTOR			>0.9		
COLOR RANGE			2700 K-7000 K		
BEAM ANGLE (WITH LENS)			30°, 60°, 90° & Asimetrik Opsiyon		
OPERATING TEMPERATURE			- 10° / +40° C		
SOURCE LIFE (hours)			50 000 hours @LM70		
HOUSING			Aluminum		
IP (INGRESS PROTECTION)			IP65		
LUMINOUS FLUX	15300 lm	18200 lm	28000 lm	32000 lm	38700 lm
DIMENSIONS	L: 307 W: 285 H: 52			L: 417 W: 402 H: 63	

FLOODLIGHTS
Flood Light

GRASSIAS

MADE IN
TÜRKİYE

Different light color options
No UV, mercury and lead free
Custom design option for project



GRASSIAS is an outdoor LED fixture with different angle options with 50% lower power consumption.

	GRASSIAS 30	GRASSIAS 50	GRASSIAS 100	GRASSIAS 150	GRASSIAS 200
DATA SHEET					
POWER CONSUMPTION	30W	50W	100W	150W	200W
INPUT VOLTAGE			220 - 240 V AC		
POWER FACTOR			>0.9		
COLOR RANGE			3000 K-6500 K		
BEAM ANGLE (WITH LENS)			120°		
OPERATING TEMPERATURE			- 10° / +40° C		
SOURCE LIFE (hours)			50 000 hours @LM70		
HOUSING			Aluminum		
IP (INGRESS PROTECTION)			IP66		
LUMINOUS FLUX	2700 lm	4500 lm	9000 lm	13500 lm	18000 lm
DIMENSIONS	150x120x20	212x148x30	267x178x40	317x220x40	343x250x45



SURFACE-MOUNTED

Linatrunk

HIGH CEILING ARMATURE
IP65 Series



Different light color options
No UV, mercury and lead free
Custom design option for project



INDUSTRIAL LIGHTING



RETAIL SHOPS LIGHTING



DECORATIVE LIGHTING
(Indoor - Outdoor)



LINATRUNK	LINATRUNK 80	LINATRUNK 100	LINATRUNK 120
DATA SHEET			
POWER CONSUMPTION	80W	100W	120W
INPUT VOLTAGE		220 - 240 V AC	
POWER FACTOR		>0.9	
COLOR RANGE		3000 K-6500 K	
BEAM ANGLE (WITH LENS)		30°, 60°, 90° & Asymmetric Option	
OPERATING TEMPERATURE		- 10° / +40° C	
SOURCE LIFE (hours)		50 000 hours @LM70	
HOUSING		Aluminum	
IP (INGRESS PROTECTION)		IP65	
LUMINOUS FLUX	10000 lm	11300 lm	13500 lm
DIMENSIONS		123.5 x 14.9 x 7 (cm)	

WALLWASHER ARMATURE

Wallwisher



SURFACE-MOUNTED



Wallwisher is slim and stylish LED indoor lighting fixture that is designed to be used in architectural lighting.

Different Length Options

Different Body Color Options

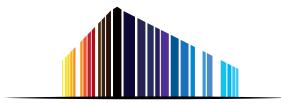
Different Fitting Options

Different Light Color Options

No UV, Mercury and Lead free



Architectural Lighting



Wallwisher (Outdoor)

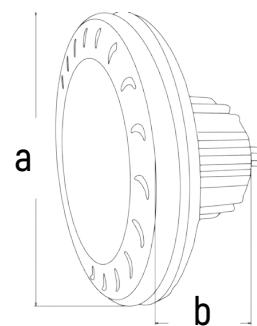


	Power (W)	Color Temperature (K)	Dimensions (mm)	Quantity in carton
T990121400300	3 W	4000K	120x55x120	1
T990201400600	6 W	4000K	120x55x200	1
T990301400900	9 W	4000K	120x55x300	1
T990351401200	12 W	4000K	120x55x350	1
T990501401800	18 W	4000K	120x55x500	1
T990671402400	24 W	4000K	120x55x670	1
T991001403600	36 W	4000K	120x55x1000	1
T991201453600	45 W	4000K	120x55x1200	1
T991501543600	54 W	4000K	120x55x1500	1

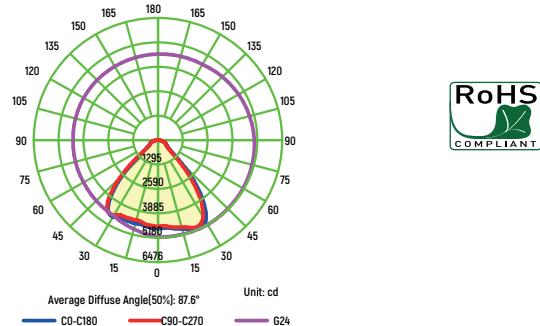


Highbay

HIGH CEILING ARMATURE



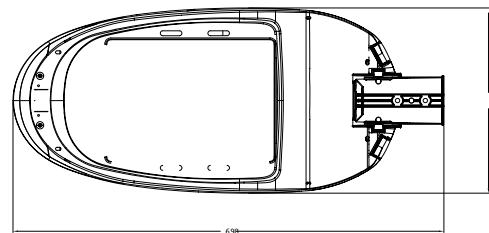
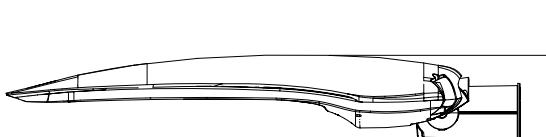
Light Intensity Distribution Curve



Power (W)	Light Flux (lm)	Color Temperature (K)	Efficiency (lm/W)	Dimensions (mm) a b	Quantity in carton
100	11000	3000	110	280*121	1
100	11000	4000	110	280*121	1
100	11000	6500	110	280*121	1
150	20250	3000	135	320*121	1
150	20250	4000	135	320*121	1
150	20250	6500	135	320*121	1
200	27000	3000	135	360*121	1
200	27000	4000	135	360*121	1
200	27000	6500	135	360*121	1

STREET LIGHTING
M13 Series

LS021-LS022

MADE IN
TÜRKİYE

LS series is outdoor LED fixture that is designed to be used highway, parking and street lighting.

- Different power options
- Different light color options
- Different Body Color options
- Different lampost options
- Dimming (OPT)
- Custom design option for project



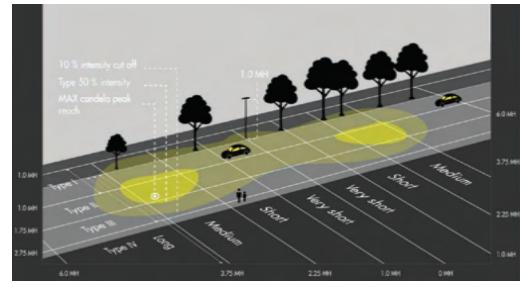
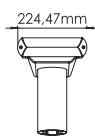
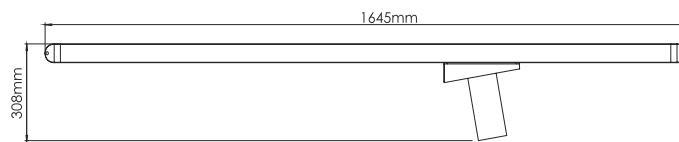
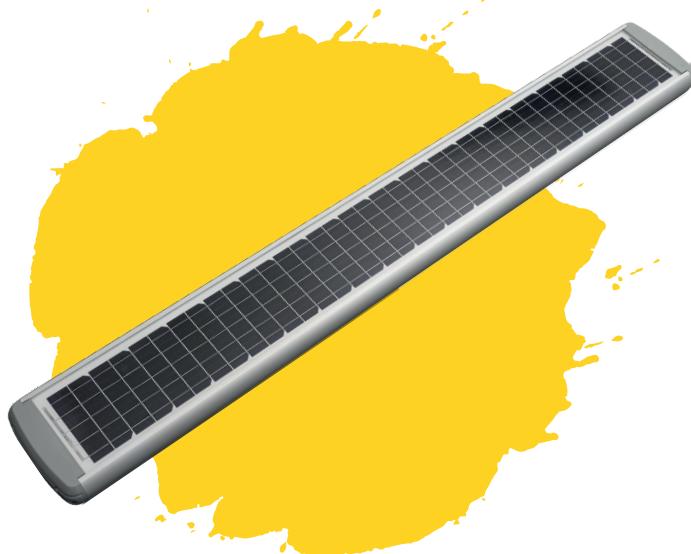
STREET LIGHTING (Outdoor)

DATA SHEET	LS021 130W	LS021 150W	LS022 60W	LS022 80W
LED Configuration	48		24	
POWER CONSUMPTION	130W	150W	60W	80W
LUMINOUS FLUX	14300 lm	16500 lm	6600 lm	8800 lm
WEIGHT	9.8 Kg		6.3 Kg	
DIMENSIONS	365x858x133 mm		300x698x118 mm	
DIAMETER		40-60 mm		
POLE HEIGHT		6-15 m		
FREQUENCY		50-60 Hz		
INPUT VOLTAGE		90 - 265 V AC		
COLOR RANGE		3000 K-4000 K-5000 K		
BEAM ANGLE		Asymmetric		
OPERATING TEMPERATURE		- 20° / +60° C		
SOURCE LIFE (hours)		50 000 @LM70		
HOUSING		Aluminum Body		
IP (INGRESS PROTECTION)		IP66		
DIMMING		Non-dimmable		



Savlight Solar Lighting

SAVLIGHT SOLAR LIGHTING



APPLICATION AREAS

Parks
Bicycle Paths
Children's Playgrounds
Walking Paths
Emergency Gathering Areas
Parking Lots
Roadways, Bus Stops
Factory Areas
Mines
University Campuses
Office Complexes

ADVANTAGES

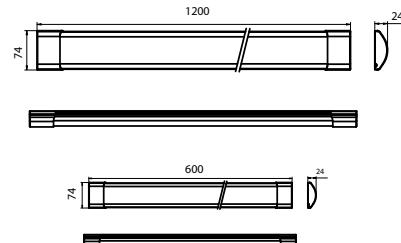
Lightweight
Minimum Wind Load
Zero Carbon Emission
Easy Installation
No Excavation/Cabling Required
Maintenance-free
Replaceable Battery and Panel Capacity
UV Protection and IP67 Polycarbonate (PC) / PMMA Lens
IP65 Protection Rating
Remote Control
RF Gateway and Wireless Control (Optional)

CE EMC LVD

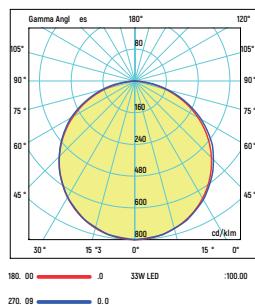
SYSTEM COMPONENTS	FEATURES	MODELS								
		SavLight-40	SavLight-50	SavLight-60	SavLight-80	SavLight-90	SavLight-100	SavLight-120	SavLight-150	
Maximum Light Output (Lumen)		3.900	5.600	6.700	8.000	9.000	10.600	11.500	15.500	
Color Temperature		4000K High Efficiency (3000K-6000K)								
LED Model		Power LED, 5050, SEOUL/CREE/SAMSUNG LM80								
LED Efficiency		160 lumen/watt (Max 223 lumen/watt)								
Lens Efficiency		94%								
Average Light Level		10-15 lux								
Recommended Pole Height		3-4 m	4-6 m	6-7 m	7-8 m	8-9 m	9-10 m	10-11 m	11-12 m	
Area Lighting Class		IESNA Type 2-3-4								
ARMATURE	Solar Panel Power	51W	51W	64W	115W	115W	128W	128W	128W	
	Solar Panel Type	Half-cut, Monoperc, 5-bus bar								
	Solar Cell Efficiency	22%								
SOLAR PANEL	Solar Panel Lifespan	25 years								
	BATTERY Battery Type	LiFePO4								
	Battery Capacity	230Wh	307Wh	384Wh	460Wh	537Wh	614Wh	614Wh	614Wh	
BATTERY	Battery Lifespan	3000 cycles at 25°C & 90% DOD, 8-10 years								
	Luminaire Control	MPPT control, Smart / Timer / Motion Sensor [Optional grid-tied hybrid]								
	Charging Time	5-6 h								
CHARGER (MPPT)	Constant Light 100% Performance (%90 DOD)	11 hours	10 hours	10 hours	10 hours	11 hours	9 hours	9 hours	7 hours	
	Motion Sensor or Dimming (90% DOD)	100% 50% 30%	4 hours 4 hours 18 hours	100% 50% 30%	4 hours 4 hours 16 hours	100% 50% 30%	4 hours 4 hours 8 hours	100% 50% 30%	4 hours 4 hours 8 hours	
	Total	26 h	Total 26 h	Total 24 h	Total 24 h	Total 24 h	Total 16 h	Total 16 h	Total 12 h	
MAIN HOUSING	Body & Battery Box	Aluminum Anodized Coating								
	Dimensions	1645 mm			2020 mm					



SURFACE-MOUNTED

Aluminum body
IP 40

Light intensity distribution curve



Power (W)	Light Flux (lm)	Colour Temp. (K)	Efficiency (lm/W)	Dimensions (mm) a b c	Pcs/Pack
18	1458	3000	80	600*74*24	60
18	1458	4000	80	600*74*24	60
18	1458	6500	80	600*74*24	60
36	2916	3000	80	1200*74*24	30
36	2916	4000	80	1200*74*24	30
36	2916	6500	80	1200*74*24	30



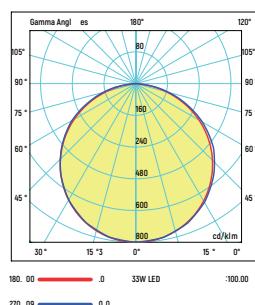
SURFACE-MOUNTED



Chara Ralina Armature

Aluminum body
IP 20

Light intensity distribution curve



KOD	M806010401600	M806010401601	M806010401602	M806010401604
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Power (W): 10W

Input Voltage: 220-230V - 50-60 Hz.

Power Factor: PF >0.90

Light Flux: 1000lm

Led: SMD(SEOUL)

LED ETANGE ARMATURE

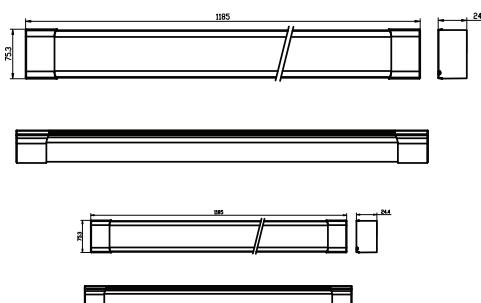
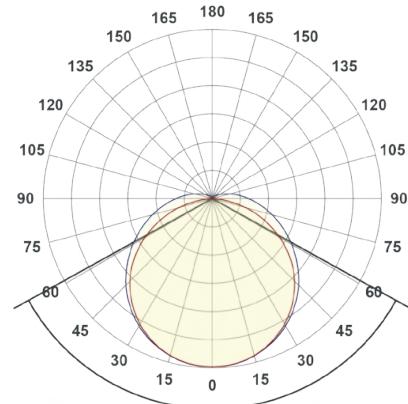


SURFACE-MOUNTED

PMMA LGP



Luminous Intensity Distribution Curve



ETANGE SERIES	Power	Luminous Flux	Colour Temp.	Luminous Effic.	Dimensions	Pcs/Pack
	(W)	(lm)	(K)	(lm/W)	(mm) a b c	
	18	1728	3000	96	600*65*48	30
	18	1728	4000	96	600*65*48	30
	18	1728	6500	96	600*65*48	30
	36	3456	3000	96	1200*65*48	15
	36	3456	4000	96	1200*65*48	15
	36	3456	6500	96	1200*65*48	15

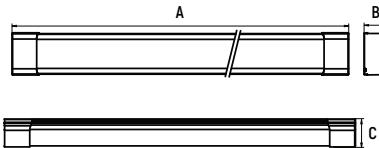
IND

LED ETANGE ARMATURE

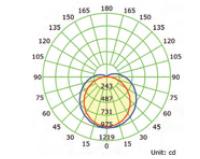
■ PMMA LGP



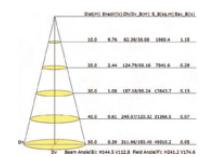
SURFACE-MOUNTED



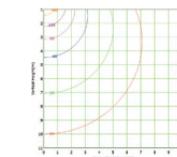
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



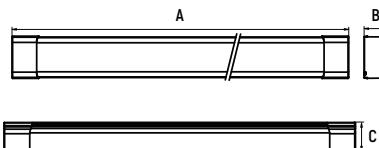
CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M290601402000	220	20W	2160	-	4000K	65	Available	630	80	75	GRAY
M291201404000-10	220	36W	3888	-	4000K	65	Available	1222	80	75	GRAY



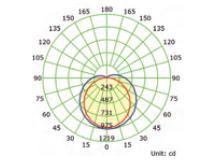
■ PMMA LGP



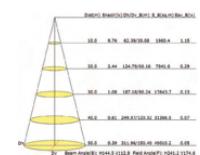
SURFACE-MOUNTED



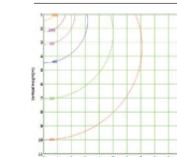
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M290601402001	220	20W	2160	3H	4000K	65	Available	630	80	75	GRAY
M291201404000-11	220	36W	3888	3H	4000K	65	Available	1222	80	75	GRAY



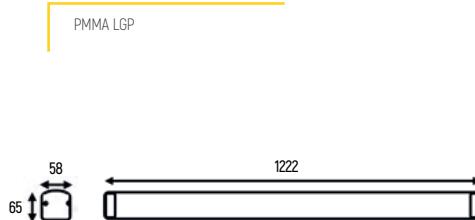
TS EN 60598-2-2
TS EN 60598-2-1
Battery Type
10W Ni-Cd

LED ETANGE ARMATURE

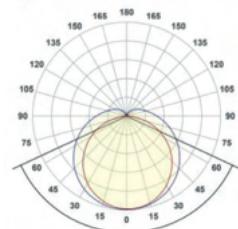
IND S (120cm)



SURFACE-MOUNTED



Light Intensity Distribution Curve



CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M291201404000-60	220	36	3888		4000K	65	Available	1222	65	58	GRI
M291201404000-61	220	36	3888	3H	4000K	65	Available	1222	65	58	GRI

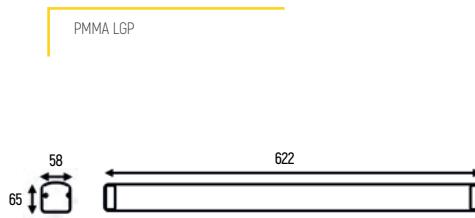


LED ETANGE ARMATURE

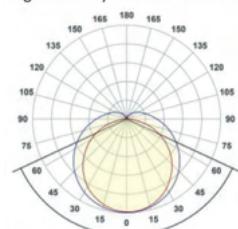
IND S (60cm)



SURFACE-MOUNTED



Light Intensity Distribution Curve

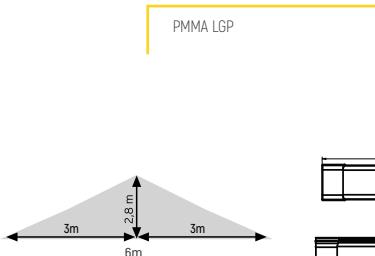


CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M290601402000-60	220	20	2160		4000K	65	Available	622	65	58	GRI
M290601402000-61	220	20	2160	3H	4000K	65	Available	622	65	58	GRI

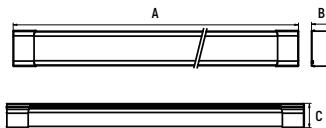
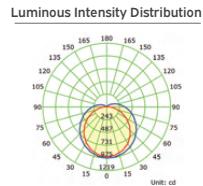


IND with Corridor Function

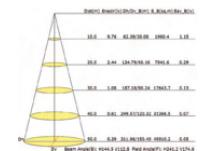
LED ETANGE ARMATURE



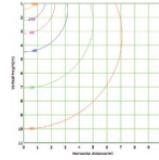
SURFACE-MOUNTED



Curve Illuminance at a Distance



Vertical IsoLux Plot

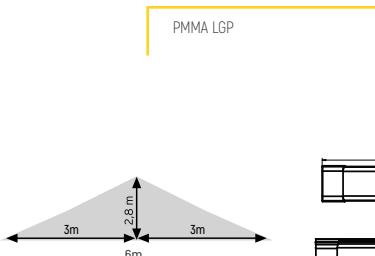


CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M291201404098	220	36	3888		4000K	65	Available	1200	80	75	GRAY
M291201404099	220	36	3888	3H	4000K	65	Available	1200	80	75	GRAY
M291201654098	220	36	3888		6500K	65	Available	1200	80	75	GRAY
M291201654099	220	36	3888	3H	6500K	65	Available	1200	80	75	GRAY

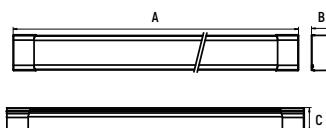
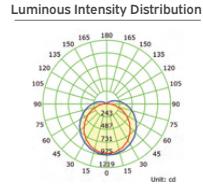


IND with Radar Sensor

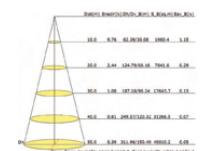
LED ETANGE ARMATURE



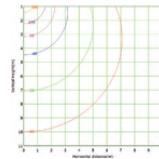
SURFACE-MOUNTED



Curve Illuminance at a Distance



Vertical IsoLux Plot



CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Color
M291201404040	220	36	3600		4000K	65	Available	1200	80	75	GRAY
M291201404041	220	36	3600	3H	4000K	65	Available	1200	80	75	GRAY
M291201654040	220	36	3600		6500K	65	Available	1200	80	75	GRAY
M291201654041	220	36	3600	3H	6500K	65	Available	1200	80	75	GRAY

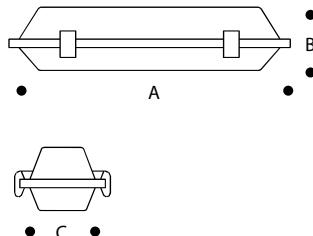


SITULA with EMERGENCY KIT

INDUSTRIAL ARMATURES

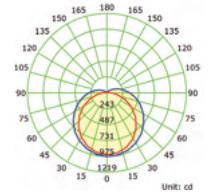


SURFACE-MOUNTED



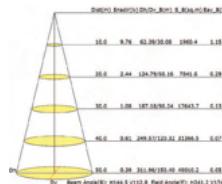
■ PMMA LGP

Luminous Intensity Distribution



Unit: cd

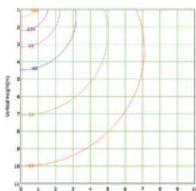
Curve Illuminance at a Distance



CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Efficacy	A (mm)	B (mm)	C (mm)	Body Color
M331201304001	220	40W	4000	3 Hours	3000K	65	100	1274	90	90	GRAY
M331201404001	220	40W	4000	3 Hours	4000K	65	100	1274	90	90	GRAY
M331201654001	220	40W	4000	3 Hours	6500K	65	100	1274	90	90	GRAY



Vertical IsoLux Plot



EXPROOF

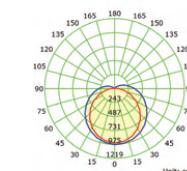
INDUSTRIAL ARMATURES



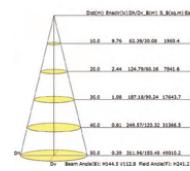
SURFACE-MOUNTED



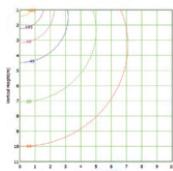
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



CODE	Power (W)	Light Flux (lm)	Color Temperature	IP	Emerg. Lighting	A (mm)	B (mm)	C (mm)
T9910000498	40	4000	4000K	65	—	1270	95	125
T9910000499	40	4000	4000K	65	Available	1270	95	125
T9910000496	40	4000	6500K	65	—	1270	95	125
T9910000497	40	4000	6500K	65	Available	1270	95	125



SITULA with HF SENSOR & EMERGENCY KIT

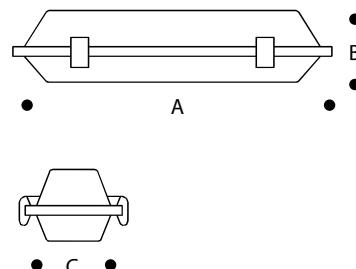
INDUSTRIAL ARMATURES



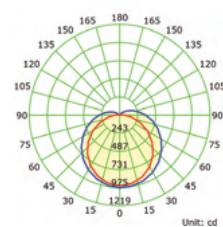
SURFACE-MOUNTED



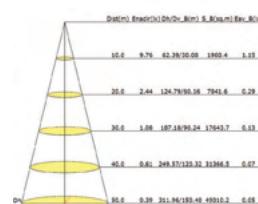
■ PMMA LGP



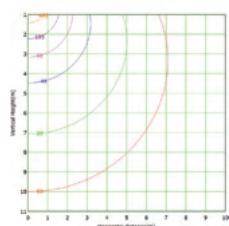
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot



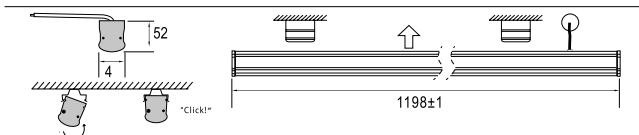
CODE	Voltage (V)	Power (W)	Light Flux (lm)	Emerg. Lighting	Color Temperature	IP	Efficacy	A (mm)	B (mm)	C (mm)	Body Color
M331201304041	220	40W	4000	3 Hours	3000K	65	100	1274	90	90	GRAY
M331201404041	220	40W	4000	3 Hours	4000K	65	100	1274	90	90	GRAY
M331201654041	220	40W	4000	3 Hours	6500K	65	100	1274	90	90	GRAY





SURFACE-MOUNTED

MEISSA-F7 ETANGE ARMATURE M28 SERIES



Meissa F7 is LED linear fixture that is designed for interior lighting

Low power consumption
High efficiency
High brightness
Different light color options
No UV, mercury and lead free
Different mounting options
Homogeneous lighting in all LED options



HOME & OFFICE LIGHTING



RETAIL SHOPS LIGHTING



DECORATIVE LIGHTING
(Indoor - Outdoor)



SEOUL SEMICONDUCTOR

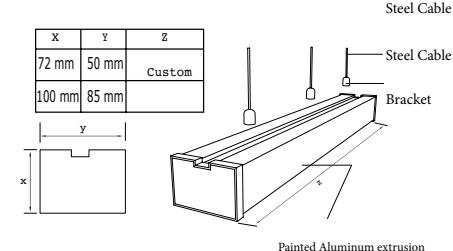


DATA SHEET

	MEISSA -F7 [60 cm]	MEISSA -F7 [120 cm]
LED Configuration	58	116
POWER CONSUMPTION	20 W	40 W
LUMINOUS FLUX Natural White	2000 lm	4000 lm
WEIGHT	640 g	1350 Kg
DIMENSIONS	600x45x55mm	1200x45x55 mm
INPUT VOLTAGE	180-265 V AC	
COLOR RANGE	2700K - 6500K	
BEAM ANGLE	120°	
SOURCE LIFE (hours)	-10° / +50° C	
SOURCE LIFE	50 000 hours @LM70	
HOUSING	Aluminum	
CRI	>80	
IP (INGRESS PROTECTION)	IP20 - IP65	
DIMMING	Dimmable (optional)	

LIARA LINEER

Pendant Luminaire



Liara lineer is LED track light fixture that is designed different sizes and light color options with high quality lighting.

Different size options
Different light color options
Different powder colors
High efficiency
No UV, mercury and lead free
Homogeneous lighting in all LED options
Surface - Mounted and pendant mounting options
Case color options



DATA SHEET	
LED Configuration	128 LED/m
POWER CONSUMPTION	40W/m
LUMINOUS FLUX	2880 lm/m
LED EFFICIENCY	72 lm/W
WEIGHT	4 Kg
DIMENSIONS	1250x72x50mm
INPUT VOLTAGE	220-230 VAC
COLOR RANGE	2700K - 7000K
BEAM ANGLE	120°
OPERATING TEMPERATURE	-20° / +40° C
SOURCE LIFE	50 000 hours @LM70
HOUSING	Aluminum
IP (INGRESS PROTECTION)	IP20
CRI	>80
DIMMING	Dimmable (optional)

LIARA LINEER
128 LED/m
40W/m
2880 lm/m
72 lm/W
4 Kg
1250x72x50mm
220-230 VAC
2700K - 7000K
120°
-20° / +40° C
50 000 hours @LM70
Aluminum
IP20
>80
Dimmable (optional)

Mira 3 Floodlight



FLUSH-MOUNTED



CODE	Power (W)	Light Flux	Color Temperature	Dimensions	Cutout	Mounting Type
M100856531100	85W	12070 lm	6500K	400x400 mm	340x340 mm	Flush-mounted

MİRA 3 Inner Set



■ Mira 3 Inner set 40x40 cm

MİRA 3 Tonoz



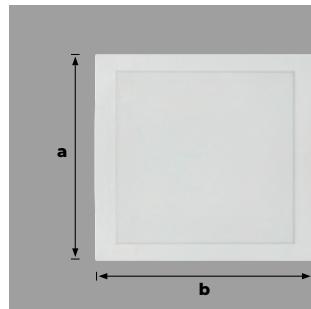
SURFACE-MOUNTED



CODE	Power (W)	Light Flux	Color Temperature	Dimensions	Cutout	Mounting Type
M990756520000	75W	9750 lm	6500K	530x600	-	Surface-mounted

ASTERION (Clip-in)

*Product specifically used in domestic projects

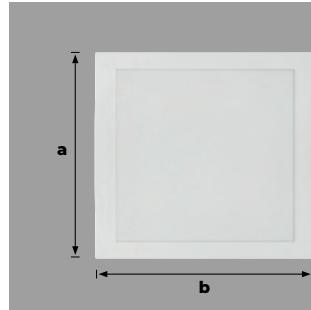
MADE IN
TÜRKİYEFLUSH-MOUNTED
CLIP-IN

CE | LM-80

CODE	Mounting Type	Power (W)	Light Flux (lm)	Color Temperature (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124060	Clip-in	12W	1520 lm	4000K	300x300x65	275x275 mm	10
M6060364060	Clip-in	30W	3300 lm	4000K	600x600x65	588x588 mm	6

ASTERION (Clip-in)

*Product specifically used in domestic projects

MADE IN
TÜRKİYEFLUSH-MOUNTED
CLIP-IN

CE | LM-80

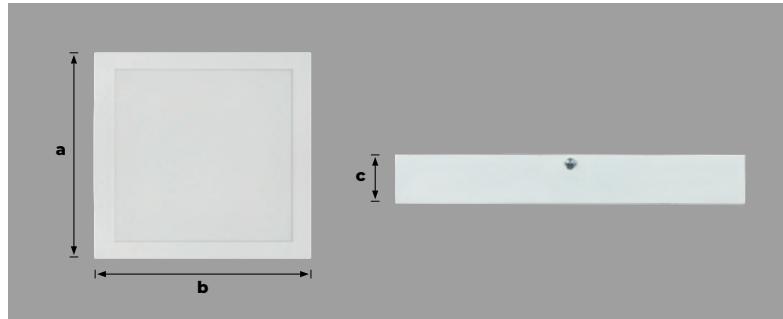
CODE	Mounting Type	Power (W)	Light Flux (lm)	Emerg. Lighting (lm)	Color Temp. (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124061	Clip-in	12W	1520 lm	100 lm	4000K	300x300x65	275x275 mm	10
M6060366561	Clip-in	30W	3300 lm	150 lm	4000K	600x600x65	588x588 mm	6

*Product specifically used in domestic projects

ASTERION (Surface-mounted)



SURFACE-MOUNTED



CE | LM-80



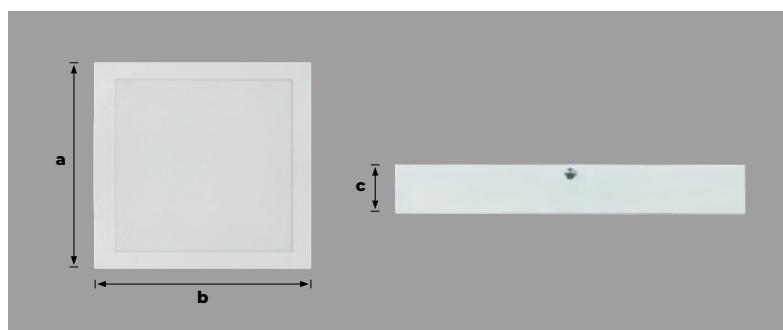
CODE	Mounting Type	Power (W)	Light Flux (lm)	Color Temperature (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124070	Surface-mounted	12W	1520 lm	4000K	300x300x65	275x275 mm	10
M6060364070	Surface-mounted	30W	3300 lm	4000K	600x600x65	588x588 mm	6

*Product specifically used in domestic projects

ASTERION (Surface-mounted)



SURFACE-MOUNTED



CE | LM-80



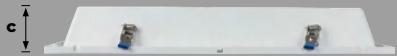
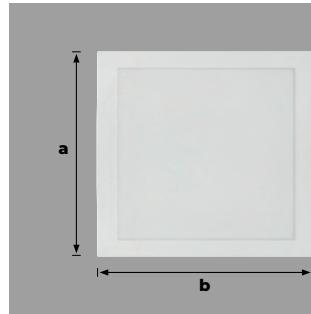
CODE	Mounting Type	Power (W)	Light Flux (lm)	Emerg. Lighting (lm)	Color Temp. (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124071	Surface-mounted	12W	1520 lm	100 lm	4000K	300x300x65	275x275 mm	10
M6060364071	Surface-mounted	30W	3300 lm	150 lm	4000K	600x600x65	588x588 mm	6

ASTERION (Drywall)

*Product specifically used in domestic projects



FLUSH-MOUNTED
DRYWALL



CE | LM-80

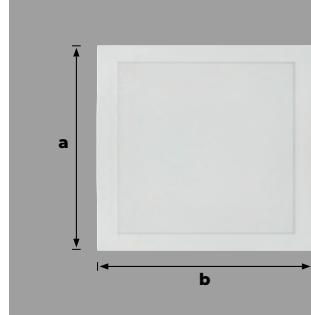
CODE	Mounting Type	Power (W)	Light Flux (lm)	Color Temperature (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124080	Drywall	12W	1520 lm	4000K	300x300x65	275x275 mm	10
M6060364080	Drywall	30W	3300 lm	4000K	600x600x65	588x588 mm	6

ASTERION (Drywall)

*Product specifically used in domestic projects



FLUSH-MOUNTED
DRYWALL



CE | LM-80

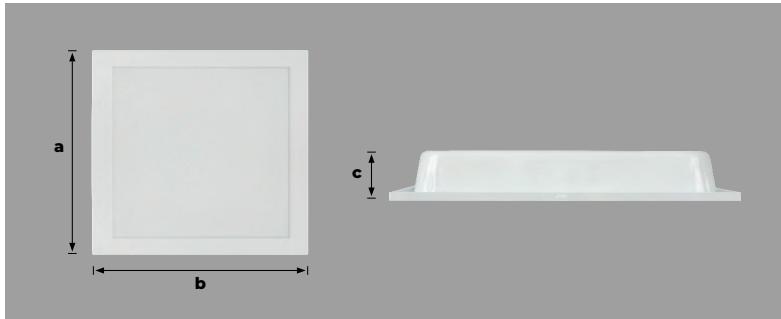
CODE	Mounting Type	Power (W)	Light Flux (lm)	Emerg. Lighting (lm)	Color Temp. (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124081	Drywall	12W	1520 lm	100 lm	4000K	300x300x65	275x275 mm	10
M6060364081	Drywall	30W	3300 lm	150 lm	4000K	600x600x65	588x588 mm	6

*Product specifically used in domestic projects

ASTERION (Flush-mounted)



FLUSH-MOUNTED



CE | LM-80



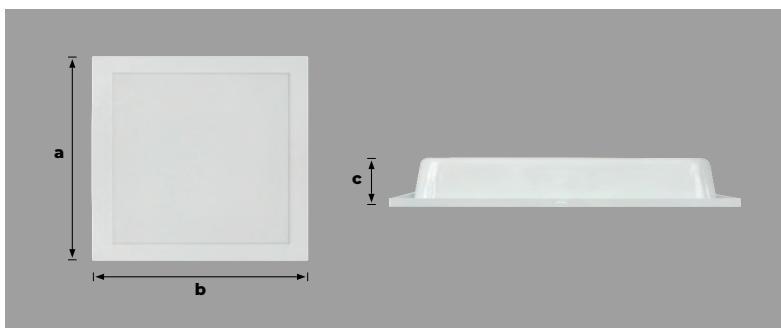
CODE	Mounting Type	Power (W)	Light Flux (lm)	Color Temperature (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124090	Flush-mounted	12W	1520 lm	4000K	300x300x65	275x275 mm	10
M6060364090	Flush-mounted	30W	3300 lm	4000K	600x600x65	588x588 mm	6

*Product specifically used in domestic projects

ASTERION (Flush-mounted)



FLUSH-MOUNTED



CE | LM-80

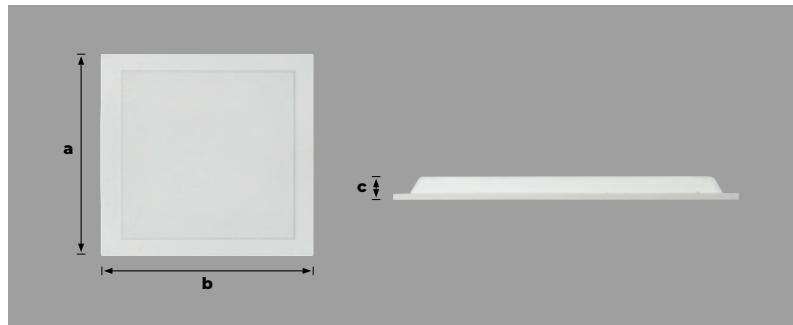
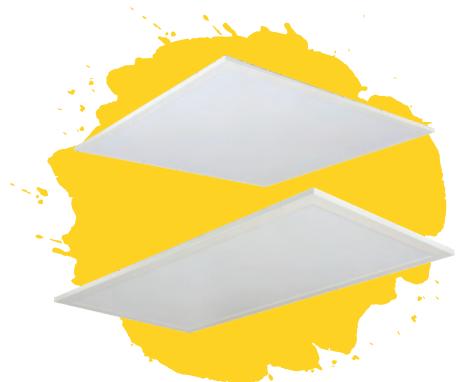


CODE	Mounting Type	Power (W)	Light Flux (lm)	Emerg. Lighting (lm)	Color Temp. (K)	Dimensions (axbxc mm)	Cutout (mm)	Pcs/Pack
M3030124091	Flush-mounted	12W	1520 lm	100 lm	4000K	300x300x65	275x275 mm	10
M6060364091	Flush-mounted	30W	3300 lm	150 lm	4000K	600x600x65	588x588 mm	6

ASTERION (Flush-mounted)



FLUSH-MOUNTED



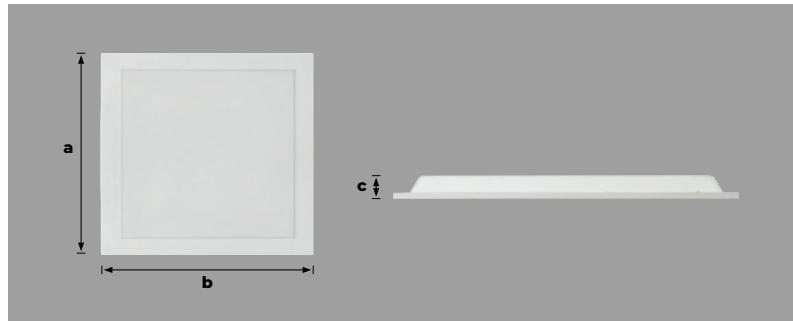
CE | LM-80

CODE	Mounting Type	Power	Light Flux	Color Temperature	Dimensions	Cutout	Pcs/Pack
T3030184000-CL	Flush-mounted	18W	1730 lm	4000K	300x300x35	275x275 mm	15
T3060244000-CL	Flush-mounted	24W	2400 lm	4000K	300x600x35	575x275 mm	10
T6060364000-CL	Flush-mounted	36W	3456 lm	4000K	600x600x35	588x588 mm	10

ASTERION (Flush-mounted)



FLUSH-MOUNTED



CE | LM-80

CODE	Mounting Type	Power	Light Flux	Emerg. Lighting	Color Temp.	Dimensions	Cutout	Pcs/Pack
M3030184000-07	Flush-mounted	18W	1730 lm	100 lm	4000K	300x300x35	275x275 mm	15
M3060244000-07	Flush-mounted	24W	2400 lm	100 lm	4000K	300x600x35	575x275 mm	10
M6060364000-07	Flush-mounted	36W	3456 lm	150 lm	4000K	600x600x35	588x588 mm	10

Backlight Mounting Apparatus

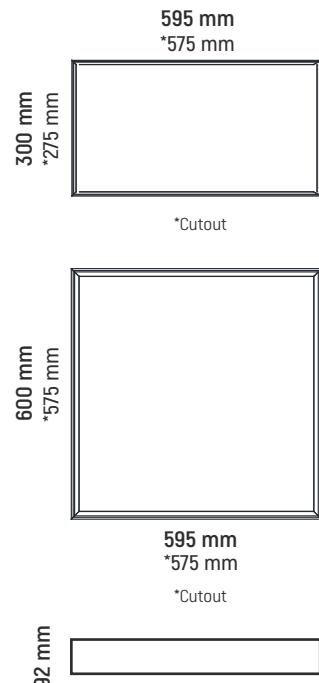


- 30x30 Backlight Surface-Mounted Frame
- 30x30 Backlight Clip-in Frame
- 30x60 Backlight Surface-Mounted Frame
- 30x60 Backlight Clip-in Frame
- 30x120 Backlight Surface-Mounted Frame
- 30x120 Backlight Clip-in Frame
- 60x60 Backlight Surface-Mounted Frame
- 60x60 Backlight Clip-in Frame

STERILE BACKLIGHT



FLUSH-MOUNTED



DATA SHEET

STERILE 30x60

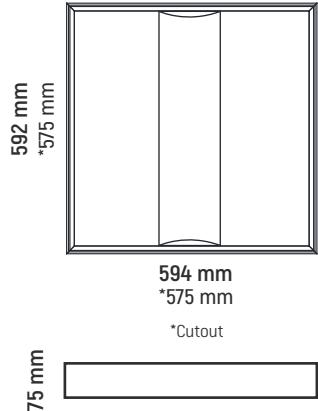
STERILE 60x60

POWER CONSUMPTION	20W	36W
INPUT VOLTAGE	220 - 240 V AC	
POWER FACTOR	>0.95	
COLOR RANGE	3000K-6500 K	
OPERATING TEMPERATURE	-10° / +25° C	
SOURCE LIFE (hours)	50 000 hours @LM70	
HOUSING	DKP SHEET	
IP (INGRESS PROTECTION)	IP65	
LUMINOUS FLUX	2000 lm	3816 lm
DIMENSIONS	300x595x92	595x595x92

BACKLIGHT INDIRECT



FLUSH-MOUNTED



DATA SHEET

INDIRECT 60x60

POWER CONSUMPTION	50W
INPUT VOLTAGE	220 - 240 V AC
POWER FACTOR	>0.95
COLOR RANGE	3000K-6500 K
OPERATING TEMPERATURE	-10° / +25° C
SOURCE LIFE (hours)	50 000 hours @LM70
HOUSING	DKP SHEET
IP (INGRESS PROTECTION)	IP20
LUMINOUS FLUX	4000 lm
DIMENSIONS	592x594x75

LIGHTING ARMATURE

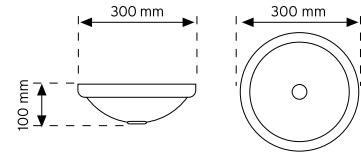


TA 10220

- A=300 mm
- B=100 mm



TA 10220



LIGHTING ARMATURE

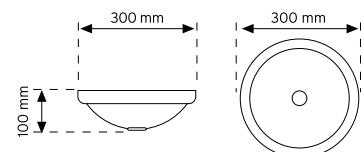


TA 10220 CHROME

- A=300 mm
- B=100 mm



TA 10220



LIGHTING ARMATURE

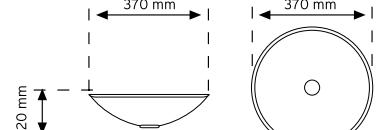


TA 10430

- A=370 mm
- B=120 mm



TA 10430



LIGHTING ARMATURE

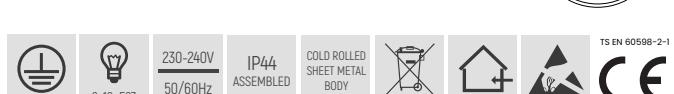
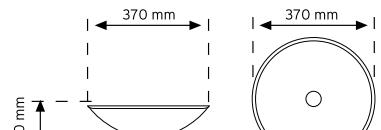


TA 10430 CHROME

- A=370 mm
- B=120 mm



TA 10430





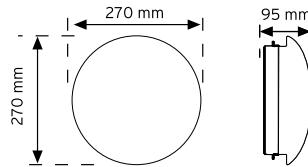
SURFACE-MOUNTED



10955

LIGHTING ARMATURE

- 1xE27 Socket
- Metal casing and opal glass



TS EN 60598-2-1

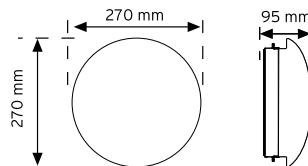


SURFACE-MOUNTED

10956

15W LIGHTING ARMATURE

- Class A energy consumption thanks to LED lighting
- Metal casing and opal glass
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



TS EN 60598-2-1

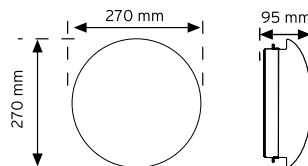


SURFACE-MOUNTED

10957

15W LIGHTING ARMATURE

- Class A energy consumption thanks to LED lighting
- Metal casing and opal glass
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



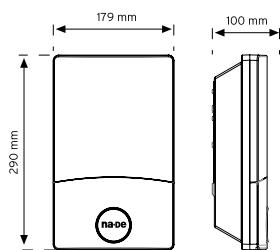
TS EN 60598-2-1

WALL TYPE LED ARMATURE

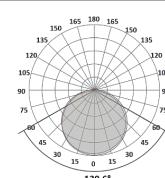
10205



SURFACE-MOUNTED



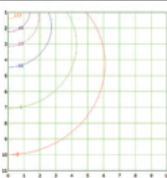
Luminous Intensity Distribution



Curve Illuminance at a Distance



Vertical IsoLux Plot

230-240V
50/60Hz

IP65



TS EN 60598-2-1

WALL TYPE ARMATURE

10805

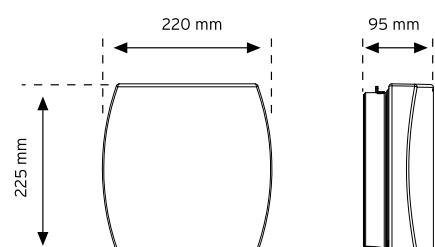


SURFACE-MOUNTED

1xE27 SOCKET



- A=225 mm B=220 mm
- Opal Glass



TS EN 60598-2-1

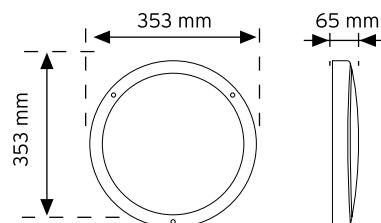


SURFACE-MOUNTED

15W 10972



- Class A energy consumption thanks to LED lighting
- Easy surface-mounted installation
- Polycarbonate casing and opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm

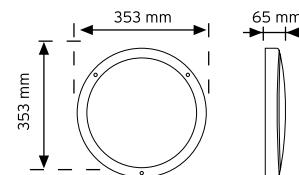


SURFACE-MOUNTED

15W 10973



- Class A energy consumption thanks to LED lighting
- Easy surface-mounted installation
- Polycarbonate casing and opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1000mAH Ni-Mh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm

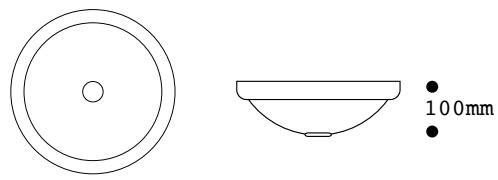


LIGHTING ARMATURE

ND1024-12-03 12W



- Class A energy consumption thanks to LED lighting
- Easy surface-mounted installation
- Metal casing and glass diffuser
- 3000K-4000K-6500K
- Normal Operation: 1200 lm

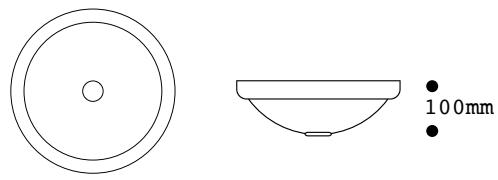


LIGHTING ARMATURE

ND1024.Ö 20W



- Class A energy consumption thanks to LED lighting
- Easy surface-mounted installation
- PF>0,95 Driver
- Metal casing and glass diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000 lm





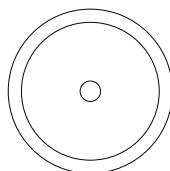
SURFACE-MOUNTED 2xE27 SOCKET



NDTA10220-PD-03

LIGHTING ARMATURE

- Easy surface-mounted installation
- Metal casing and glass diffuser
- 2xE27 Porcelain Socket



100mm

● 300mm ●



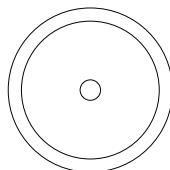
SURFACE-MOUNTED 2xE27 SOCKET



NDTA10220-K-PD-03

LIGHTING ARMATURE

- Easy surface-mounted installation
- Metal casing and glass diffuser
- 2xE27 Porcelain Socket



100mm

● 300mm ●



E27

230-240V
50/60Hz

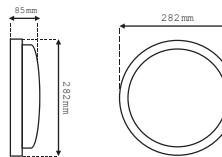
IP44
ASSEMBLED



TS EN 60598-2-1
CE

10969.Ö

20W



SURFACE-MOUNTED

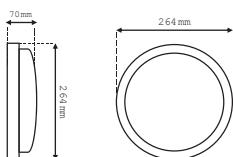
- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000 lm



TS EN 60598-2-1

M0235204000-10

20W



SURFACE-MOUNTED

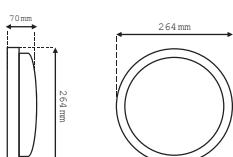
- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and polycarbonate opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



TS EN 60598-2-1

M02352040001-10

20W



SURFACE-MOUNTED

- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and polycarbonate opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 80lm

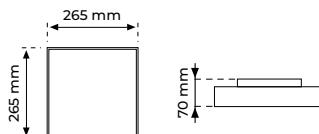


TS EN 60598-2-22
TS EN 60598-2-1



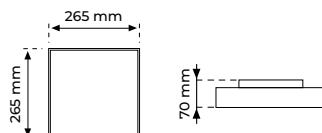
SURFACE-MOUNTED

20W M2525184040



SURFACE-MOUNTED

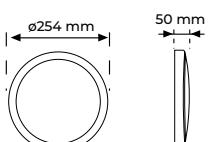
20W M2525184041



SURFACE-MOUNTED

12W 10306

- LED Ceiling Armature, Round Globe
- 12W
- 1200lm

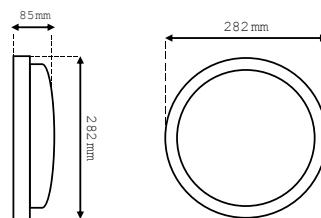


ND10915.Ö

20W



- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



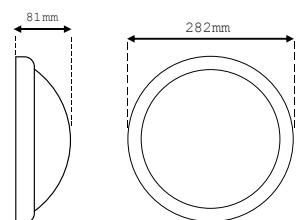
TS EN 60598-2-1

ND10925.Ö

20W



- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and glass diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



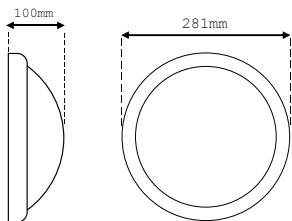
TS EN 60598-2-1



SURFACE-MOUNTED

20W ND10995.Ö

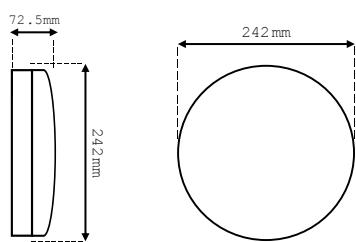
- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



SURFACE-MOUNTED

20W ND10985.Ö

- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Polycarbonate casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000 lm



ND10965.Ö

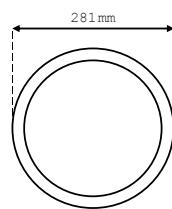
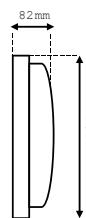
20W



SURFACE-MOUNTED



- Class A energy consumption thanks to LED lighting
- Eye-friendly lighting through soft-patterned glass
- PF>0,95 Driver
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 2000 lm



230-240V
50/60Hz

IP44
ASSEMBLED



TS EN 60598-2-1

ND10969.Ö

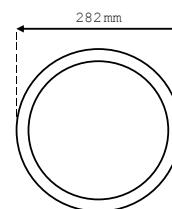
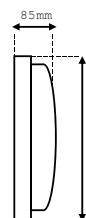
20W



SURFACE-MOUNTED



- Class A energy consumption thanks to LED lighting
- PF>0,95 Driver
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000 lm



230-240V
50/60Hz

IP40



TS EN 60598-2-1



SURFACE-MOUNTED

LINA RALINA



CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M806063401800	14	4000K	40	840	625	38	32
M806063401801	18	4000K	40	1080	1234	38	32



SURFACE-MOUNTED

MEISSA RALINA

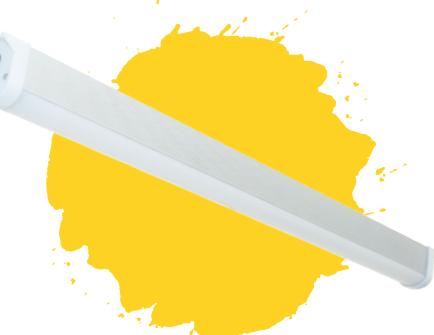


CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M806063401600	18	4000K	40	2100	632	40	56



SURFACE-MOUNTED

MEISSA RALINA with SWITCH



CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M271202040000	18	4000K	40	2100	1235	56	40



RAYA

MIRROR-TOP ARMATURE



SURFACE-MOUNTED



CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M4000084000	8	4000K	40	538	150	311	40



SARA MIDI

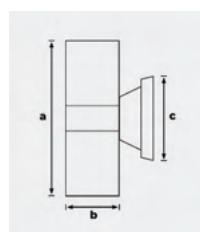
WALL ARMATURE



SURFACE-MOUNTED 2xE27 SOCKET



CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M9903040100	2xE27 + LED Bulb	4000K	40	-	300	107	100



SARA MINI

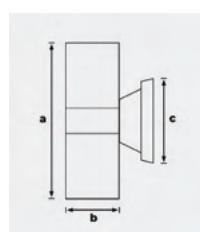
WALL ARMATURE



SURFACE-MOUNTED 2xGU10 SOCKET



CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M9901740100	2xGU10 + LED Bulb	4000K	40	-	170	60	80



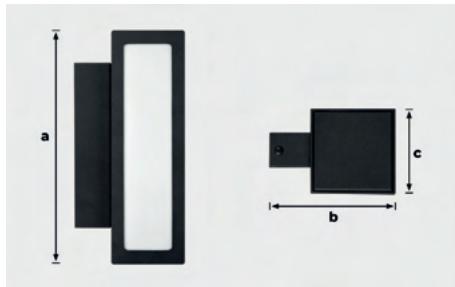


SURFACE-MOUNTED

WALL ARMATURE 8W

SAKA

CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M3900084000	8	4000K	40	200	248	123	80

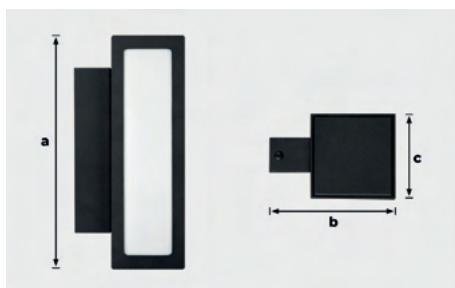


SURFACE-MOUNTED

WALL ARMATURE 8W

SAKA with RADAR SENSOR

CODE	Power (W)	Color Temperature	IP	Light Flux	A (mm)	B (mm)	C (mm)
M3900084010	8	4000K	40	200	248	123	80



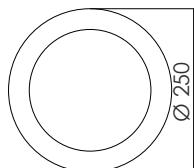
Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.
360° 7 m - 8 m	2.2 m 17 sec			-20°C - +40°C

Capella 3" / 4" / 6"

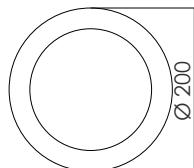
LED DOWNLIGHT



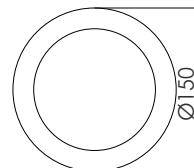
SURFACE-MOUNTED



80



75



70

DATA SHEET	CAPELLA 3"	CAPELLA 4"	CAPELLA 6"
POWER CONSUMPTION	9 W	12 W	18 W
LUMINOUS FLUX	900 lm	1200 lm	1800 lm
DIMENSIONS	Ø150	Ø200	Ø250
INPUT VOLTAGE	180 - 265 V AC		
COLOR RANGE	2700 K-4000 K-6500 K		
BEAM ANGLE	90°		
OPERATING TEMPERATURE	- 20° / +50° C		
SOURCE LIFE	50 000 hours @LM70		
HOUSING	Aluminum		
IP (INGRESS PROTECTION)	IP40		
CRI	>85		
BATTERY TYPE	2.4V -1800mAh		
EMERGENCY LIGHTING TIME	3 Hours		

Capella is recessed LED fixture that provides high quality lighting with energy efficiency.

Different body color options
 Different light color options
 No UV, mercury and lead free
 Homogeneous lighting in all LED options
 Different case and mounting options



SURFACE-MOUNTED

LED DOWNLIGHT

Capella 3" / 4" / 6"



DATA SHEET	CAPELLA 3"	CAPELLA 4"	CAPELLA 6"
POWER CONSUMPTION	9 W	12 W	18 W
LUMINOUS FLUX	900 lm	1200 lm	1800 lm
DIMENSIONS	Ø118mm	Ø145 mm	Ø200 mm
HOLE	Ø105 mm	Ø130 mm	Ø185 mm
INPUT VOLTAGE	180 - 265 V AC		
COLOR RANGE	2700 K-4000 K-6500 K		
BEAM ANGLE	90°		
OPERATING TEMPERATURE	- 20° / +50° C		
SOURCE LIFE	50 000 hours @LM70		
HOUSING	Aluminum		
IP (INGRESS PROTECTION)	IP40		
CRI	>85		
BATTERY TYPE	2.4V -1800mAh		
EMERGENCY LIGHTING TIME	3 Hours		

Capella is recessed LED fixture that provides high quality lighting with energy efficiency.

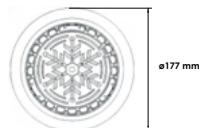
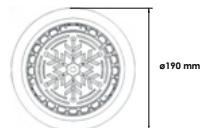
- Different body color options
- Different light color options
- No UV, mercury and lead free
- Homogeneous lighting in all LED options
- Different case and mounting options

Capella X 3" / 4" / 5" / 6"

LED DOWNLIGHT



SURFACE-MOUNTED



DATA SHEET	CAPELLA X 3"	CAPELLA X 4"	CAPELLA X 5"	CAPELLA X 6"
POWER CONSUMPTION	9 W	12 W	15 W	18 W
LUMINOUS FLUX	900 lm	1200 lm	1500 lm	1800 lm
DIMENSIONS	ø100 mm	ø120 mm	ø177 mm	ø190 mm
HOLE	ø80 mm	ø100 mm	ø150 mm	ø170 mm
INPUT VOLTAGE	220 -230 VAC 50 - 60 Hz			
COLOR RANGE	2700 K-4000 K-6500 K			
BEAM ANGLE	110°			
OPERATING TEMPERATURE	- 20° / +40° C			
SOURCE LIFE	50 000 hours @LM70			
HOUSING	Aluminum			
IP (INGRESS PROTECTION)	IP40			
CRI	>80			

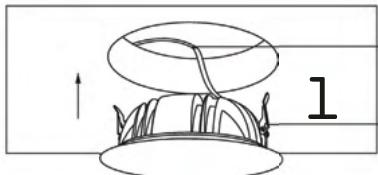
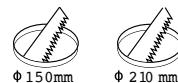
Capella X is recessed LED fixture that provides high quality lighting with energy efficiency.

Different body color options
Different light color options
No UV, mercury and lead free
Homogeneous lighting in all LED options
Different case and mounting options



SURFACE-MOUNTED

MIASA 6"/ 8" DOWNLIGHT

ENERJİ KABLOSU
POWERCABLEKLIPS
CUP

MIASA is recessed LED fixture that provides high quality lighting with high energy efficiency.

Different size options

Different light color options

No UV, mercury and lead free

Homogeneous lighting in all LED options

Case color options



HOME & OFFICE LIGHTING



RETAIL SHOPS LIGHTING

DECORATIVE LIGHTING
(Indoor - Outdoor)

DATA SHEET

LED Configuration

MIASA

6"

MIASA

8"

POWER CONSUMPTION

30

42

17,5 W

20 W

LUMINOUS FLUX

1252 lm

1670 lm

WEIGHT

460 g

828 g

DIMENSIONS

Ø175 mm

Ø230 mm

HOLE

Ø150 mm

Ø210 mm

INPUT VOLTAGE

180 - 265 V AC

COLOR RANGE

2700 K-5500 K-6500 K

BEAM ANGLE

90°

OPERATING TEMPERATURE

- 20° / +50° C

SOURCE LIFE

50 000 hours @LM70

HOUSING

Aluminum

IP (INGRESS PROTECTION)

IP40

CRI

>85



SENSOR & SENSOR LIGHTING



SENSOR & SENSOR
LIGHTING

na·De®

ND10913.Ö 20W

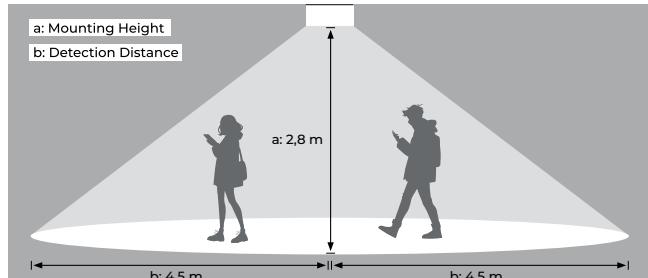


SURFACE-MOUNTED

HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 44	1/4 Pieces



TS EN 60598-2-1



ND10914.Ö 20W

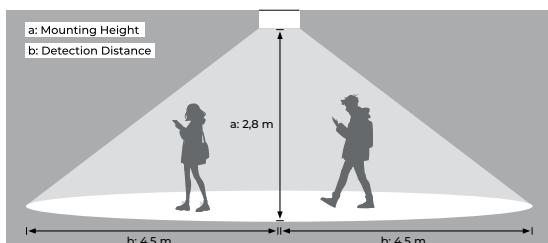


SURFACE-MOUNTED

HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1,2V 650mAh Ni-Cd	360° Max. 9 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 44	1/4 Pieces

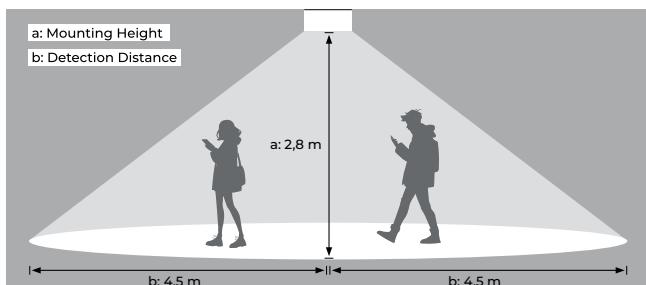


TS EN 60598-2-22
TS EN 60598-2-1



20W ND10923.Ö

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



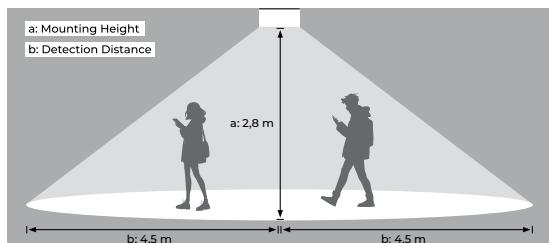
Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	2.8 m	10 sec - 5 min	5-10 lux	-20°C ~ +40°C	IP 44	14 Pieces



SENSOR & SENSOR
LIGHTING

20W ND10924.Ö

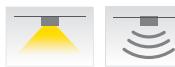
- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(1,2V 650mAh Ni-Cd)	360°	2.8 m	10 sec - 5 min	5-10 lux	-20°C ~ +40°C	IP 44	14 Pieces



ND10993.Ö 20W



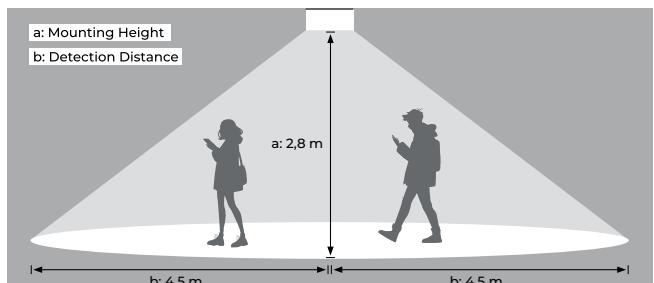
MADE IN
TÜRKİYE

SURFACE-MOUNTED

HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 9 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 44 1 Class 14 Pieces



ND10994.Ö 20W



EMERGENCY
LIGHTING

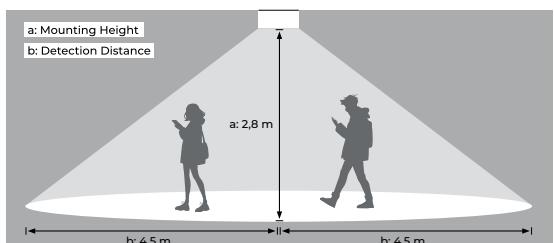
MADE IN
TÜRKİYE

SURFACE-MOUNTED

HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm

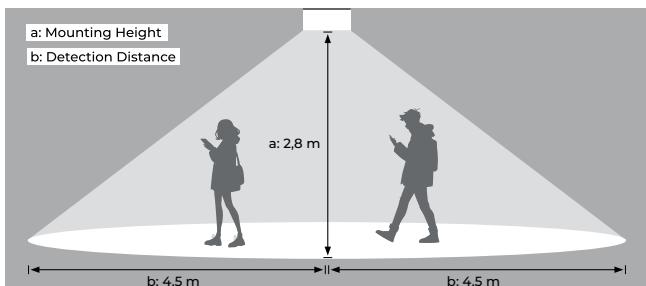


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(1,2V 650mAh Ni-Cd)	360°	Max. 9 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 44 1 Class 14 Pieces



20W ND10967.Ö

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	2.8 m	10 sec - 5 min	5-10 lux	-20°C ~ +40°C	IP 40	14 Pieces



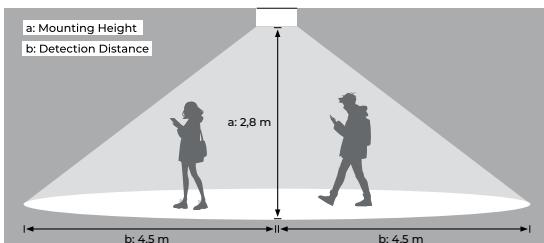
SURFACE-MOUNTED HF SENSOR



SENSOR & SENSOR
LIGHTING

20W ND10968.Ö

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1.2V 650mAh / Ni-Cd Battery
- Normal Operation: 2000lm
- Emergency Lighting: 90lm



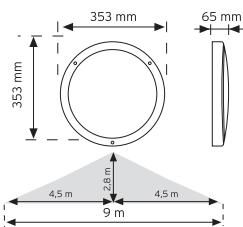
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1.2V 650mAh Ni-Cd	360°	2.8 m	10 sec - 5 min	5-10 lux	-20°C ~ +40°C	IP 40	14 Pieces



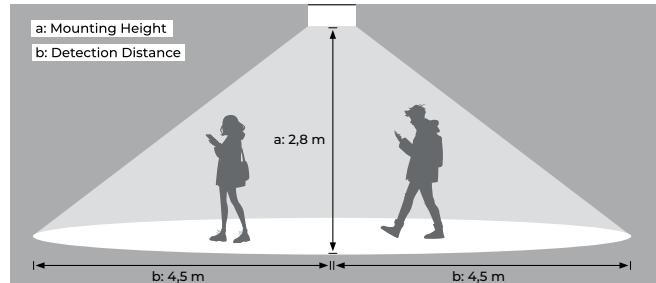
10970 15W



SURFACE-MOUNTED HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Polycarbonate casing and opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



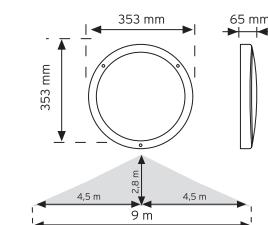
Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2.8 m	17 sec	2-2000 lux	-20°C ~ +40°C	IP 44 II Class	19 kg / 9 Pieces



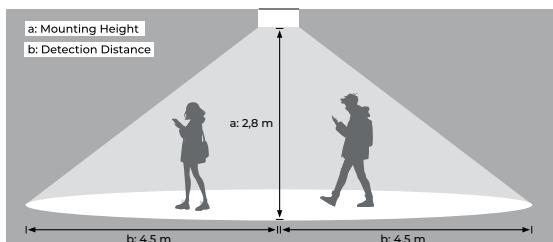
10971 15W



SURFACE-MOUNTED HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Polycarbonate casing and opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1000mAH Ni-Mh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



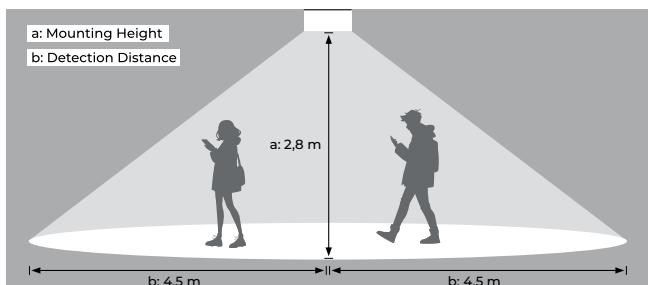
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x12V 650mAh Ni-Cd	360° Max. 9 m	2.8 m	17 sec	2-2000 lux	-20°C ~ +40°C	IP 44 II Class	19 kg / 9 Pieces



10950

I E-MOTION®

- 360° detection through HF sensor technology
- Eye-friendly lighting through opal glass
- Adjustable time and lux settings
- Metal casing and opal glass cover
- Normal Operation: -



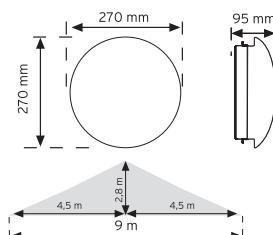
Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	1x10W E27	360°	2,8 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	19 kg / 9 Pieces



TS EN 60598-2-1

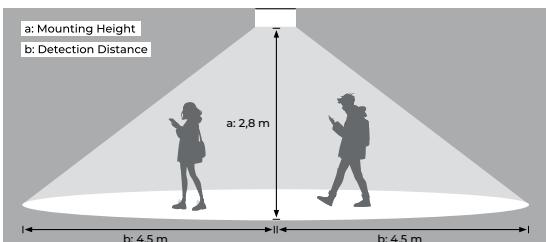


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I E-MOTION®

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Metal casing and opal glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1,2V 650mAh Ni-Cd	1x10W E27	360°	2,8 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	19 kg / 9 Pieces

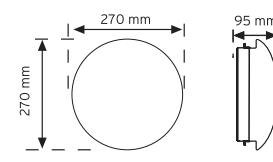


TS EN 60598-2-22
TS EN 60598-2-1



EMERGENCY
LIGHTING

MADE IN
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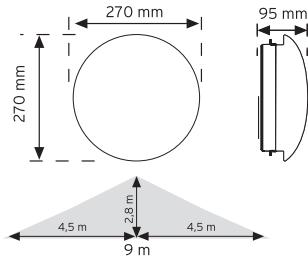


10952 15W



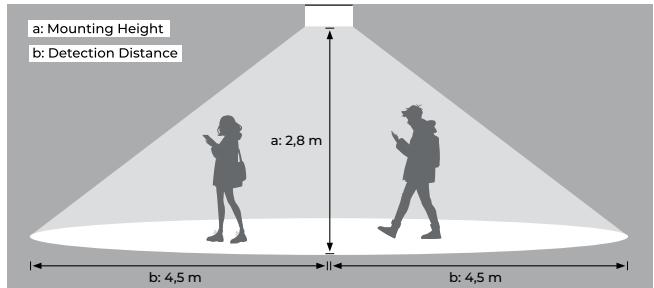
SURFACE-MOUNTED

HF SENSOR



EMOTION®

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Metal casing and opal glass cover
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP 44	19 kg / 9 Pieces



TS EN 60598-2-1

ND10984.Ö 20W



SURFACE-MOUNTED

HF SENSOR

EMERGENCY
LIGHTING



MADE IN
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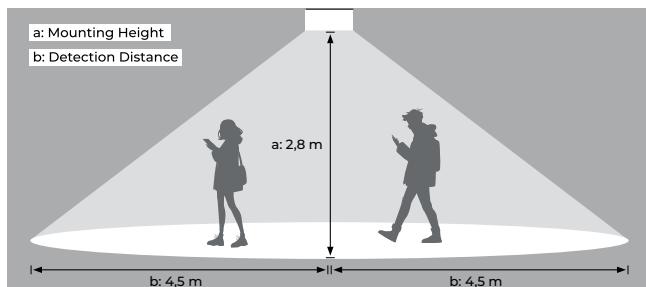
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20W ND10983.Ö

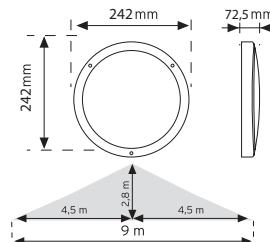
- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Polycarbonate casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 2000lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP40 I Class	14 Pieces



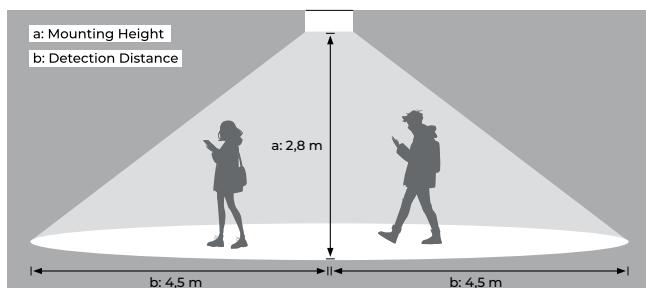
SURFACE-MOUNTED HF SENSOR



SENSOR & SENSOR
LIGHTING

ND 10960

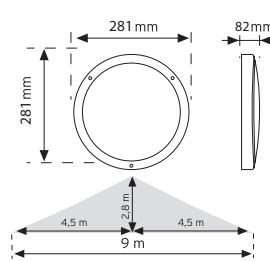
- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Eye-friendly lighting through soft-patterned glass
- Metal casing and glass cover



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2xE27	360°	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



SURFACE-MOUNTED HF SENSOR 2xE27 SOCKET

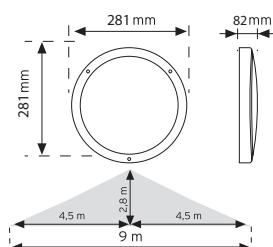


ND10961



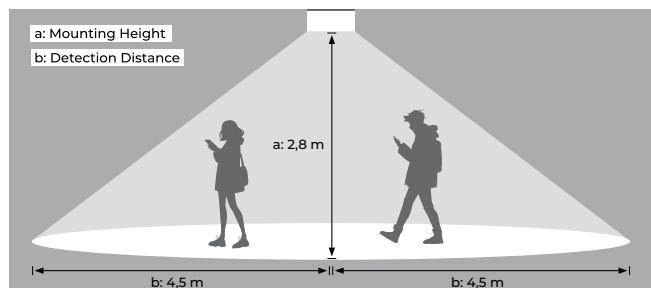
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SURFACE-MOUNTED HF SENSOR 1xE27 SOCKET



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27	360°	Max. 9 m ↕	2.8 m	17 sec	5-10 lux	IP44 ASSEMBLED	1 Class 14 Pieces

- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Eye-friendly lighting through soft-patterned glass
- Metal casing and glass cover



TS EN 60598-2-1



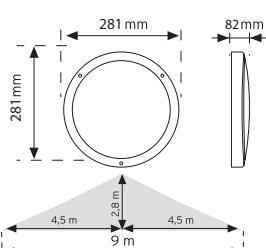
ND10962



EMERGENCY
LIGHTING

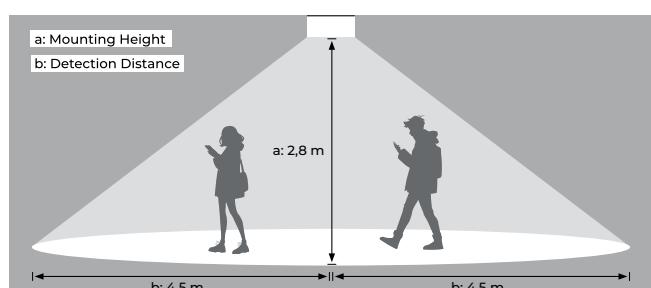
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TÜRKİYE

SURFACE-MOUNTED HF SENSOR 2xE27 SOCKET



Operating Voltage	Battery Type	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1.2V 650mAh Ni-Cd	2xE27	360°	Max. 9 m ↕	2.8 m	17 sec	5-10 lux	IP44 ASSEMBLED	1 Class 14 Pieces

- 360° detection through HF sensor technology
- Adjustable time and lux settings
- Metal casing and glass cover
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1.2V 650mAh / Ni-Cd Battery
- Emergency Lighting: 70lm

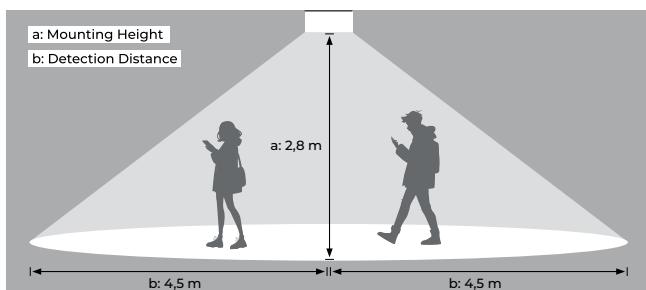


TS EN 60598-2-22

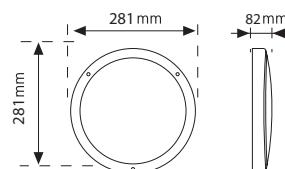


20W ND10963.Ö

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Eye-friendly lighting through soft-patterned glass
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 2000lm



SURFACE-MOUNTED HF SENSOR

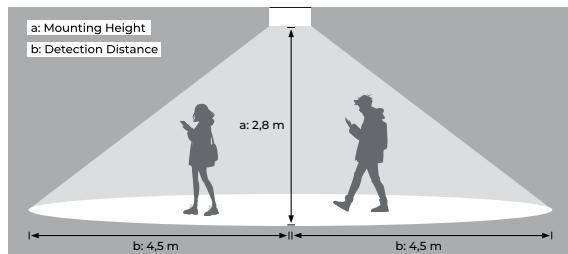


Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces

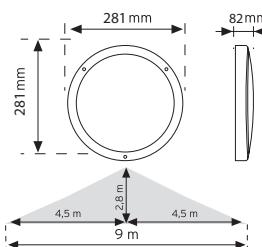


20W ND10964.Ö

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Eye-friendly lighting through soft-patterned glass
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 2000lm
- Emergency Lighting: 70lm



SURFACE-MOUNTED HF SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1,2V 650mAh Ni-Cd	360° Max. 9 m	2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces

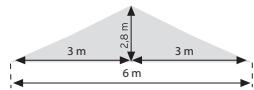
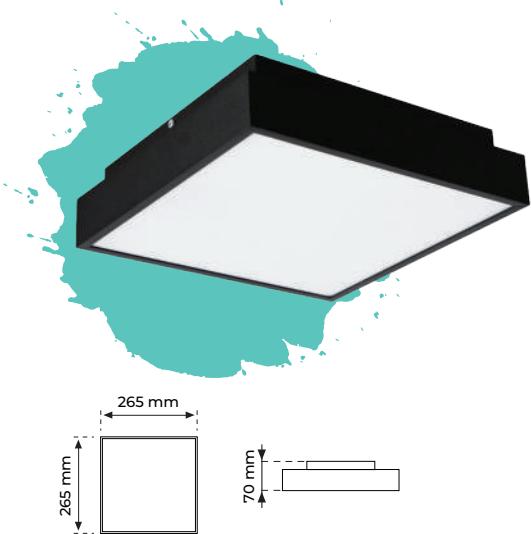


M2525184042 20W



SURFACE-MOUNTED

HF SENSOR



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	Max. 6 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 6 Pieces



TS EN 60598-2-1

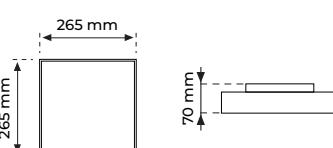


M2525184043 20W



SURFACE-MOUNTED

HF SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2,4V V-1800 mAh Ni-Cd	Max. 6 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 6 Pieces



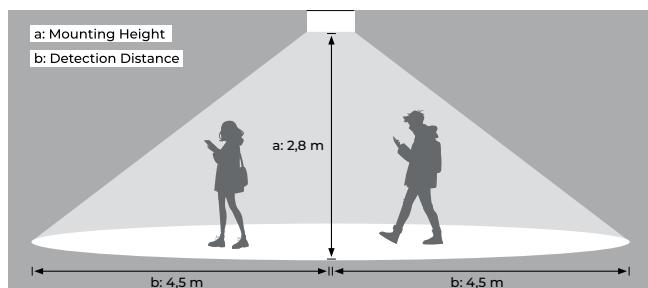
TS EN 60598-2-2

TS EN 60598-2-1



20W M2525203042

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1800lm



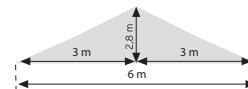
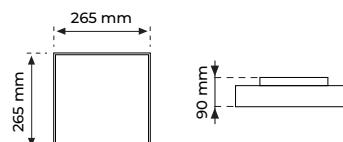
Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 6 m ↔ 2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces



SURFACE-MOUNTED

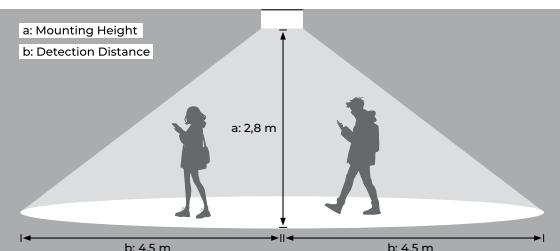


HF SENSOR



20W M2525203043

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 2,4V V-1800 mAh Ni-Cd Battery
- Normal Operation: 1800lm
- Emergency Lighting: 100lm



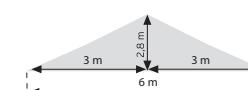
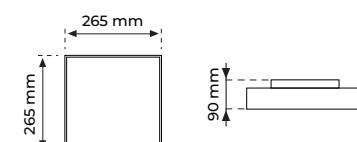
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2,4V V-1800 mAh Ni-Cd	360°	Max. 6 m ↔ 2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces



SURFACE-MOUNTED



HF SENSOR



M0235203002 20W



SURFACE-MOUNTED

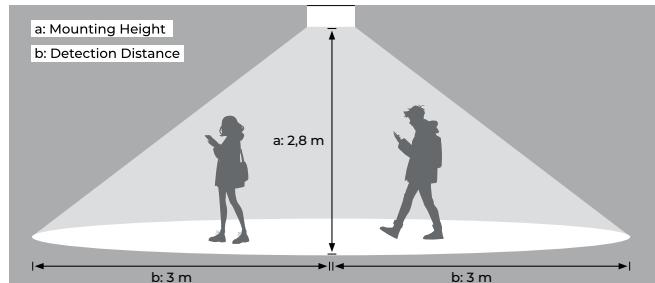
HF SENSOR



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- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1440lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 6 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces



TS EN 60598-2-1

M0235203003 20W



SURFACE-MOUNTED

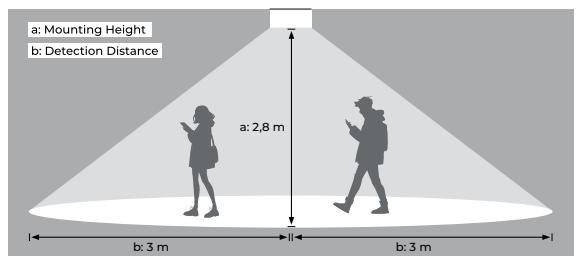
HF SENSOR



MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 2,4V 1800 mAh Ni-Cd Battery
- Normal Operation: 1440lm
- Emergency Lighting: 100lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2,4V 1800 mAh Ni-Cd	360° Max. 6 m	2.8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces

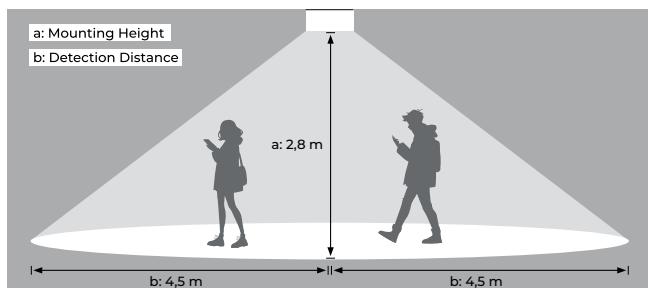


TS EN 60598-2-22

TS EN 60598-2-1

20W M0235204002-10

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 1400 lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 65	9 Pieces



TS EN 60598-2-1



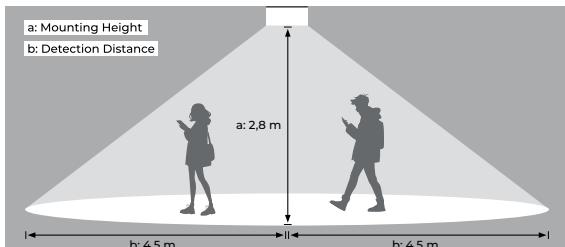
SURFACE-MOUNTED HF SENSOR



SENSOR & SENSOR
LIGHTING

20W M0235204001-10

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and polycarbonate opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1400 lm
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(12V 650mAh Ni-Cd)	360°	2,8 m	17 sec	5-10 lux	-20°C ~ +40°C	IP 65	9 Pieces



TS EN 60598-2-22



SURFACE-MOUNTED HF SENSOR

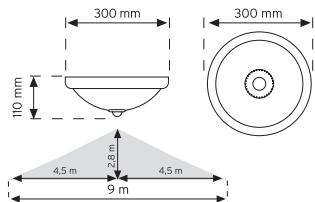


01000 KROM 12W

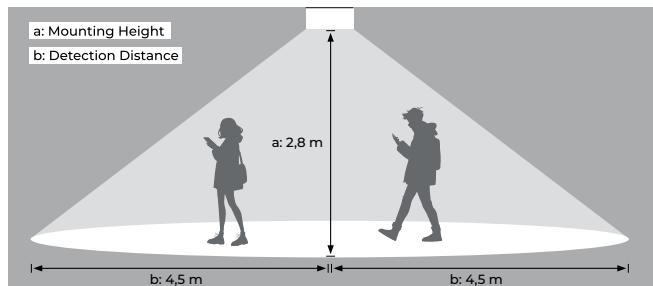


SURFACE-MOUNTED PIR SENSOR

LED
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- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1200lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2,8 m	5 sec - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces

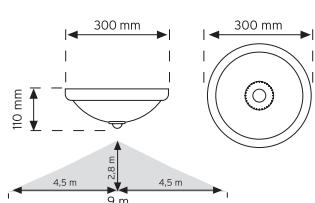


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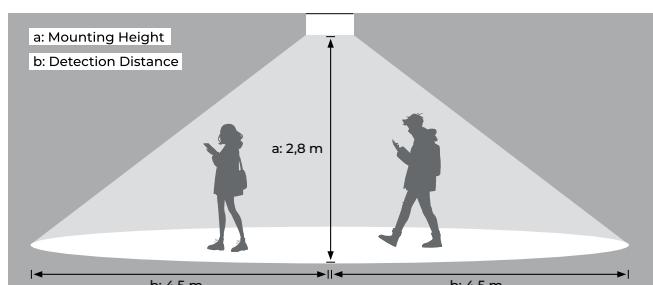


SURFACE-MOUNTED PIR SENSOR

LED
MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1200lm

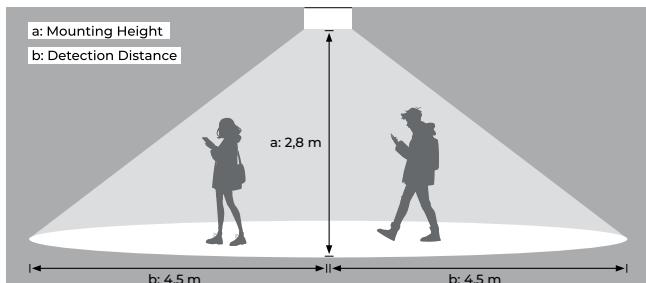


Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2,8 m	5 sec - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



12W ND1000-12-03

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1200lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	360°	Max. 9 m	2.8 m	5 sec - 90 sec	2-2000 lux	-20°C - +40°C	IP44 ASSEMBLED



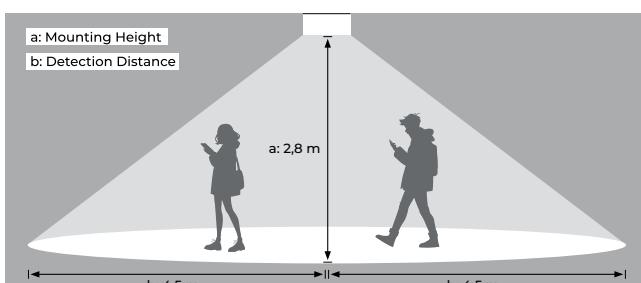
SURFACE-MOUNTED PIR SENSOR



SENSOR & SENSOR
LIGHTING

12W ND1000.Ö

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1200lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	360°	Max. 9 m	2.8 m	5 sec - 90 sec	2-2000 lux	-20°C - +40°C	IP44 ASSEMBLED



SURFACE-MOUNTED PIR SENSOR



01051 KROM 12W

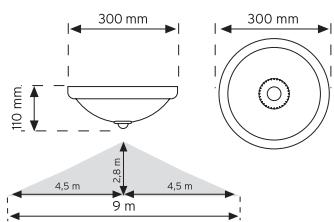


EMERGENCY
LIGHTING



SURFACE-MOUNTED

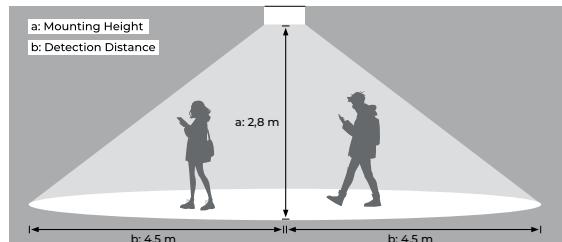
PIR SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1.2V 650mAh Ni-Cd	Max. 9 m	2.8 m	5 sec - 90 sec	2-2000 lux	-20°C - +40°C	IP44 ASSEMBLED	14 Pieces



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1200lm
- Emergency Lighting: 50lm



01051 12W

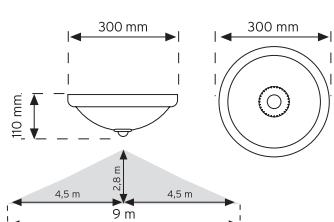


EMERGENCY
LIGHTING



SURFACE-MOUNTED

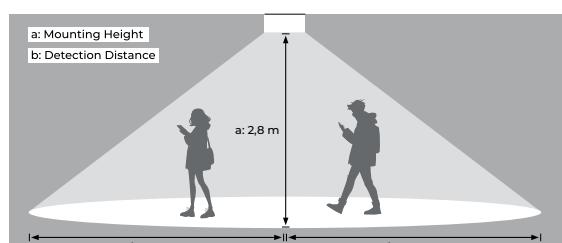
PIR SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1.2V 650mAh Ni-Cd	Max. 9 m	2.8 m	5 sec - 90 sec	2-2000 lux	-20°C - +40°C	IP44 ASSEMBLED	14 Pieces



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1200lm
- Emergency Lighting: 50lm



12W ND1051-12-03

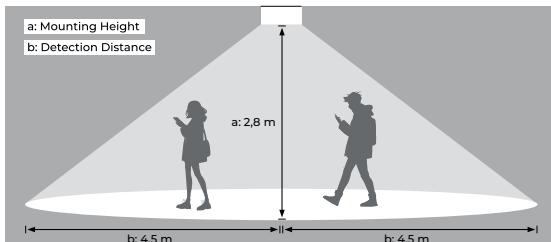
- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1200lm
- Emergency Lighting: 50lm



SURFACE-MOUNTED PIR SENSOR

EMERGENCY LIGHTING

MADE IN TÜRKİYE

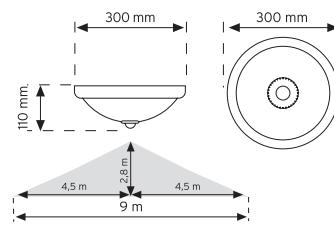


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2,8 m	5 sec - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 14 Pieces



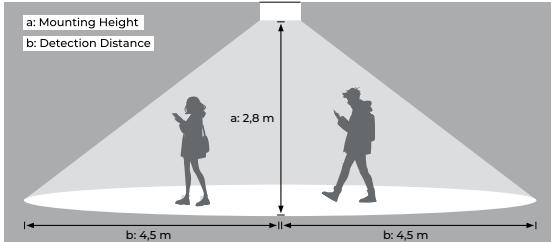
TS EN 60598-2-22

TS EN 60598-2-1



12W ND1051.Ö

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1200lm
- Emergency Lighting: 50lm

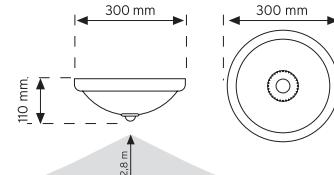


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2,8 m	5 sec - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 14 Pieces



TS EN 60598-2-22

TS EN 60598-2-1



10551 KROM 18W

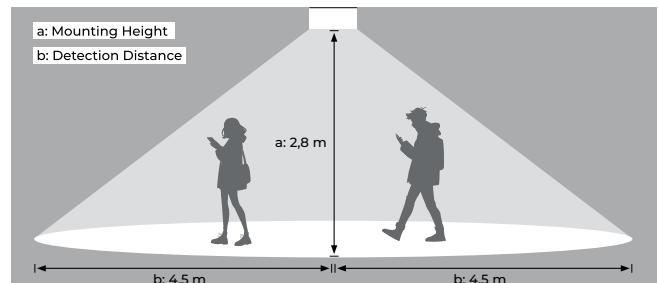


SURFACE-MOUNTED PIR SENSOR

LED MADE IN TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1800lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



TS EN 60598-2-1



10551 18W

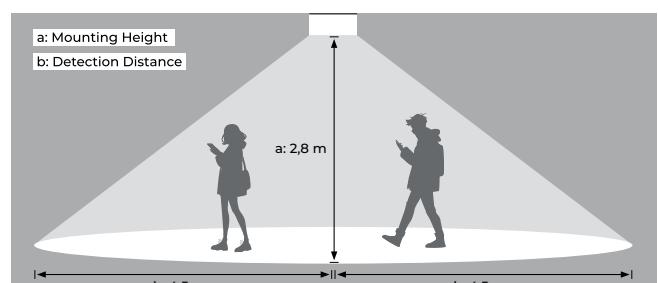


SURFACE-MOUNTED PIR SENSOR

LED MADE IN TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1800lm

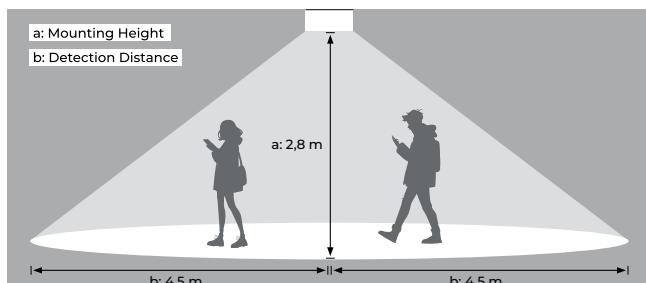


Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



18W ND10551-18-03

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1800lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 9 m	2,8 m	10 sec - 90 sec	2000 lux	IP44 ASSEMBLED	14 Pieces



SURFACE-MOUNTED

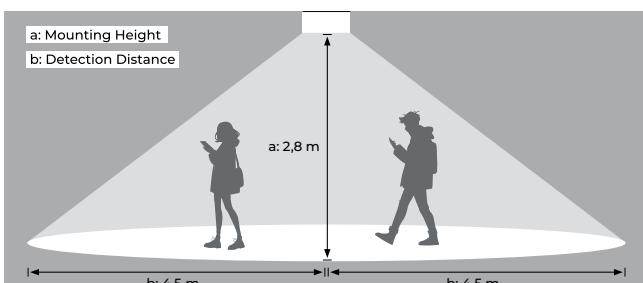


PIR



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Driver with power factor > 0.95
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1800lm

18W ND10551.Ö



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 9 m	2,8 m	10 sec - 90 sec	2000 lux	IP44 ASSEMBLED	14 Pieces



SURFACE-MOUNTED



PIR



10651 KROM 20W

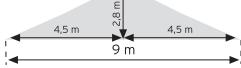
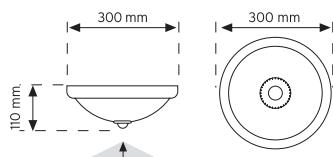


EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

SURFACE-MOUNTED

PIR SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x12V 650mAh Ni-Cd	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



TS EN 60598-2-22
TS EN 60598-2-1



10651 20W

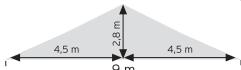
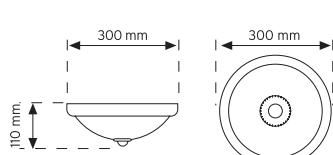


EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

SURFACE-MOUNTED

PIR SENSOR



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x12V 650mAh Ni-Cd	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



TS EN 60598-2-22
TS EN 60598-2-1



20W ND10651-18-03

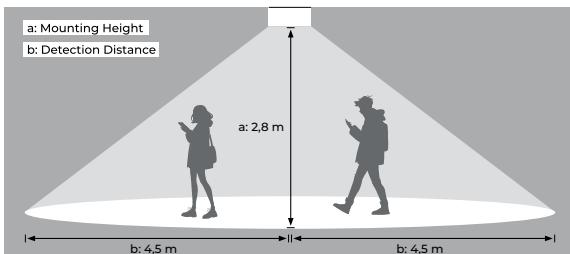
- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 2000lm
- Emergency Lighting: 80lm



SURFACE-MOUNTED PIR SENSOR

EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

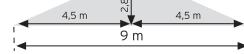
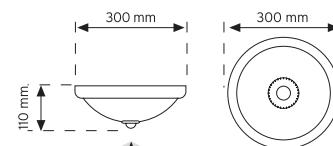


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 14 Pieces



TS EN 60598-2-22

TS EN 60598-2-1



20W ND10651.Ö

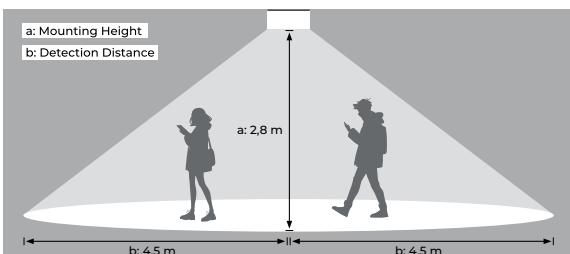
- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Driver with power factor > 0.95
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 2000lm
- Emergency Lighting: 80lm



SURFACE-MOUNTED PIR SENSOR

EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

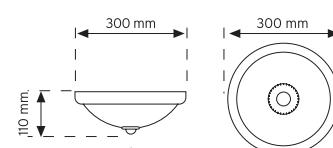


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 14 Pieces



TS EN 60598-2-22

TS EN 60598-2-1



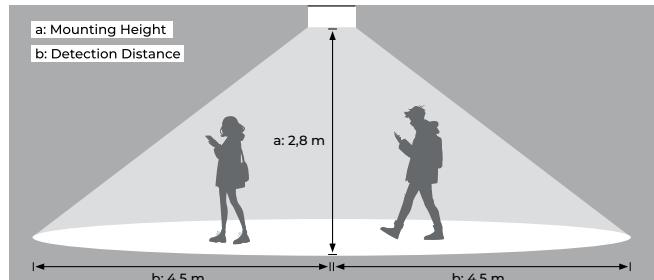
10433 20W



SURFACE-MOUNTED PIR SENSOR



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1700lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 9 m ↔ 2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces



TS EN 60598-2-1



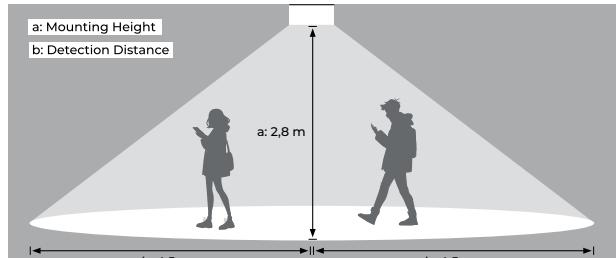
10433.03 KROM 20W



SURFACE-MOUNTED PIR SENSOR



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1700lm
- Emergency Lighting: 60lm

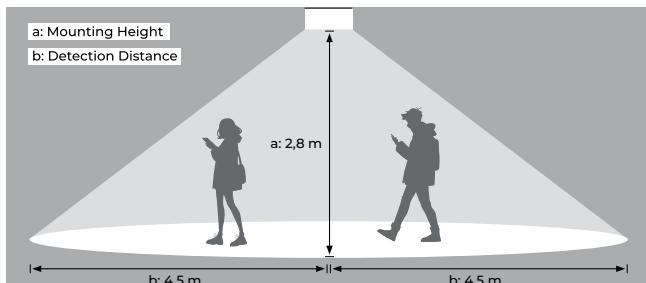


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	Max. 9 m ↔ 2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 10 Pieces



20W 10434

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 1700lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360°	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED



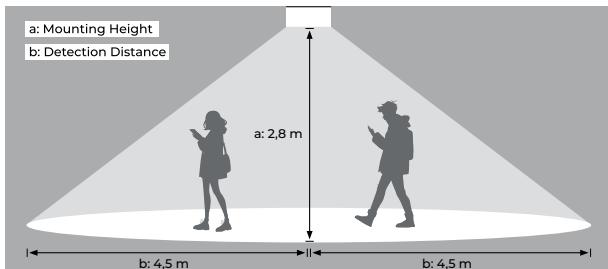
SURFACE-MOUNTED PIR SENSOR MADE IN TÜRKİYE



SENSOR & SENSOR
LIGHTING

20W 10434 KROM

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1700lm
- Emergency Lighting: 60lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(1,2V 650mAh Ni-Cd)	360°	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	IP44 ASSEMBLED	10 Pieces



SURFACE-MOUNTED PIR SENSOR EMERGENCY LIGHTING MADE IN TÜRKİYE



22999 12W

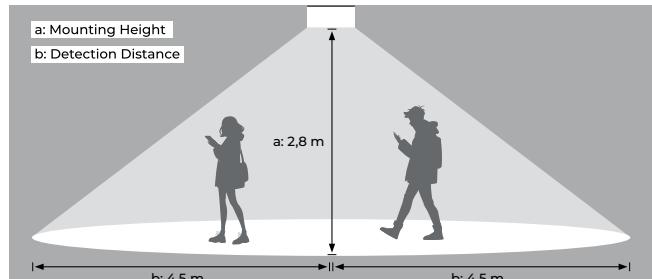


SURFACE-MOUNTED PIR SENSOR

LED
MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Soft, eye-friendly lighting, polycarbonate diffuser
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 1100lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	360° Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 16 Pieces



TS EN 60598-2-1

22999 KROM 12W

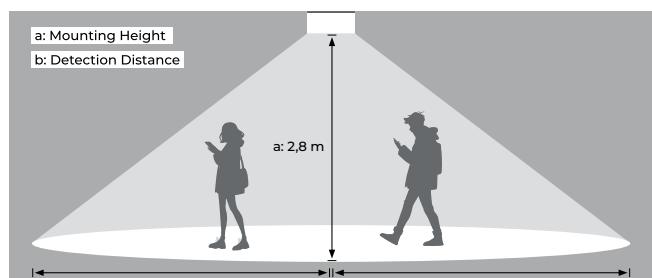


SURFACE-MOUNTED PIR SENSOR

LED
MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Soft, eye-friendly lighting, polycarbonate diffuser
- Adjustable time and lux settings
- Metal casing and polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 1100lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	360° Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1 Class 16 Pieces



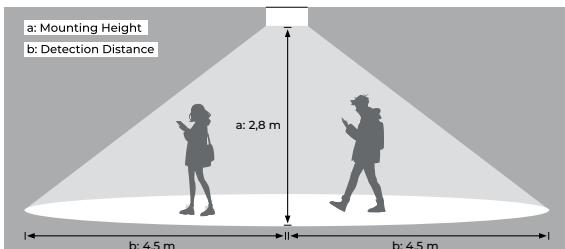
TS EN 60598-2-1

12W 22777

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and polycarbonate cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1100lm
- Emergency Lighting: 80lm



SURFACE-MOUNTED PIR SENSOR

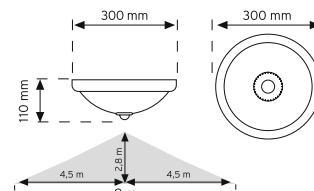


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2,8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	16 Pieces



TS EN 60598-2-22

TS EN 60598-2-1

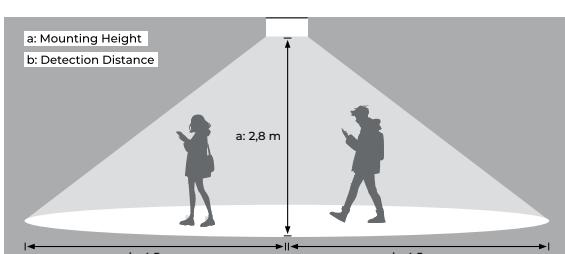


12W 22777 KROM

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and polycarbonate cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: 1100lm
- Emergency Lighting: 80lm



SURFACE-MOUNTED PIR SENSOR

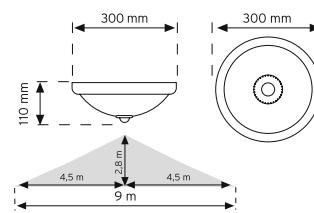


Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x1,2V 650mAh Ni-Cd	360°	2,8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	16 Pieces



TS EN 60598-2-22

TS EN 60598-2-1



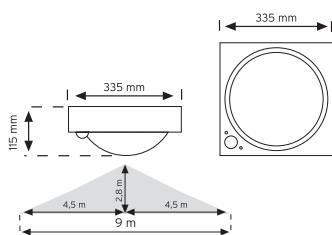
10410 | 6W



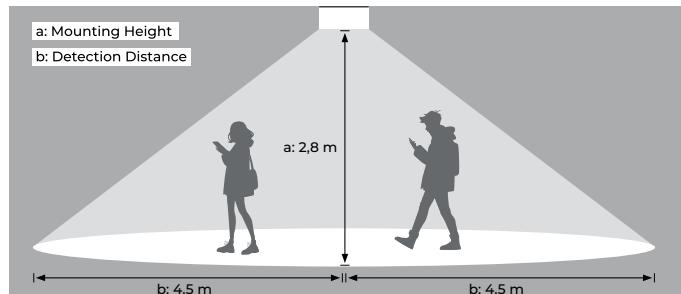
SURFACE-MOUNTED

PIR SENSOR

LED
MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 600lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	8 Pieces



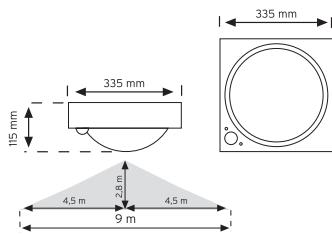
10410 | 6W - GRAY



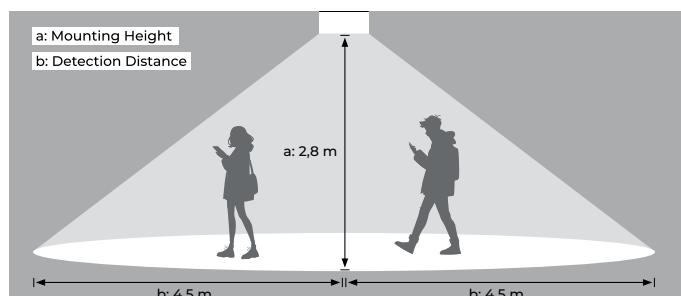
SURFACE-MOUNTED

PIR SENSOR

LED
MADE IN
TÜRKİYE



- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover
- 3000K-4000K-6500K
- Normal Operation: 600lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	360° Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	8 Pieces

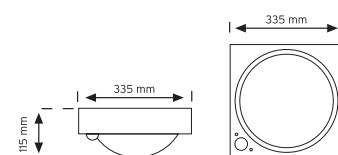


10400

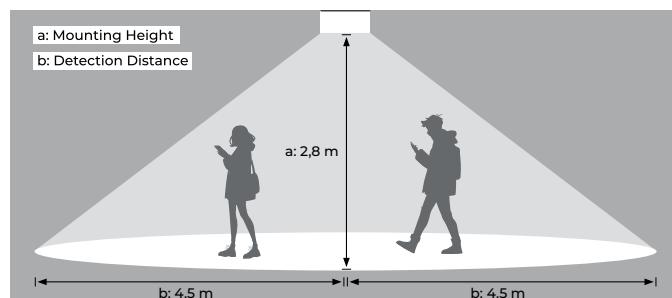
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover
- Normal Operation: -



SURFACE-MOUNTED PIR SENSOR 1xE27 SOCKET



335 mm
115 mm
2.8 m
4.5 m
9 m
4.5 m



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	8 Pieces



TS EN 60598-2-1

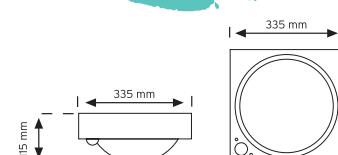
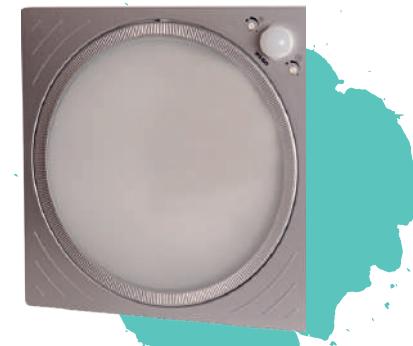
GRAY 10400

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover

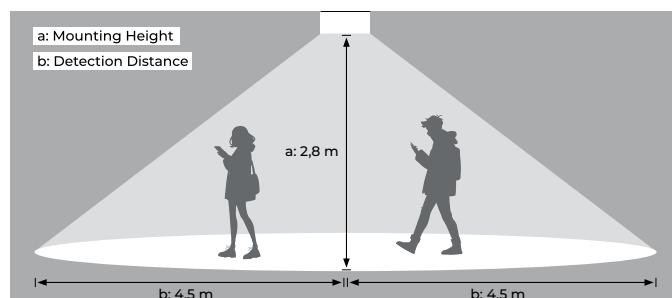
- Normal Operation: -



SURFACE-MOUNTED PIR SENSOR 1xE27 SOCKET



335 mm
115 mm
2.8 m
4.5 m
9 m
4.5 m



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	Max. 9 m	2.8 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	8 Pieces



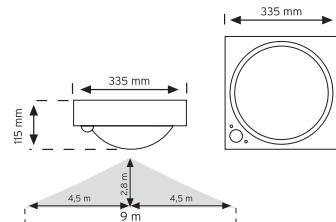
TS EN 60598-2-1

10700



MADE IN
TÜRKİYE

SURFACE-MOUNTED PIR SENSOR 1xE27 SOCKET



Operating Voltage	Lighting Load	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	1xE27 Socket	3x1000mAh Ni-Cd	360°	2.8 m	10 sec - 90 sec	2000 lux	-20°C - +40°C	IP44 ASSEMBLED	8 Pieces

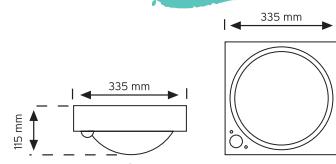
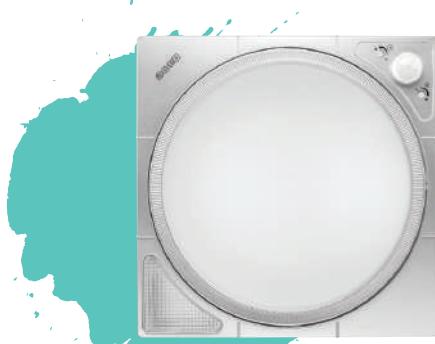


10700 GRAY

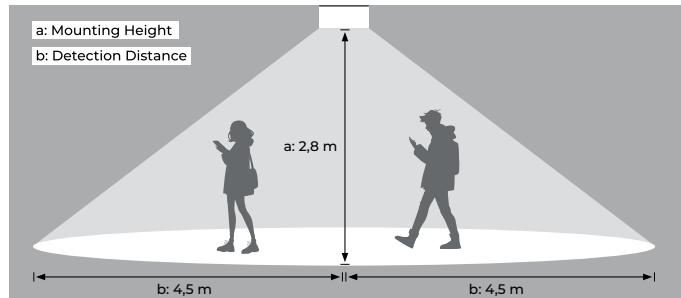


MADE IN
TÜRKİYE

SURFACE-MOUNTED PIR SENSOR 1xE27 SOCKET



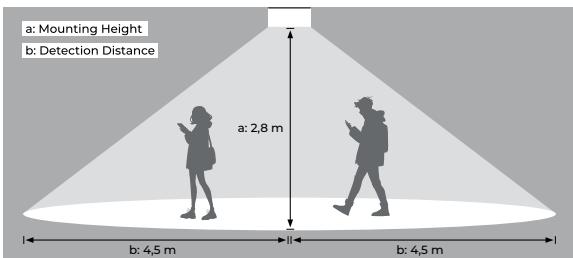
Operating Voltage	Lighting Load	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	1xE27 Socket	3x1000mAh Ni-Cd	360°	2.8 m	10 sec - 90 sec	2000 lux	-20°C - +40°C	IP44 ASSEMBLED	8 Pieces



6W 10710

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 2-hour emergency lighting duration
- 3 x 1000mAH Ni-Mh / Ni-Cd Battery

- Normal Operation: 600lm
- Emergency Lighting: 40lm



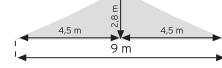
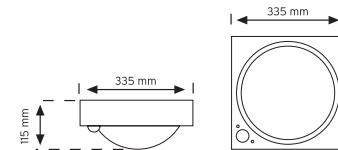
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1000mAH Ni-Cd	360°	Max: 9 m	2,8 m	10 sec - 90 sec	2000 lux	IP44 ASSEMBLED	8 Pieces



SURFACE-MOUNTED PIR SENSOR

EMERGENCY LIGHTING

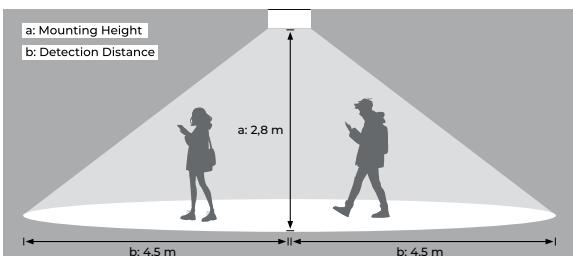
MADE IN TÜRKİYE



GRİ - 6W 10710

- Class A energy consumption thanks to LED lighting
- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Polycarbonate casing and glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 2-hour emergency lighting duration
- 3 x 1000mAH Ni-Mh / Ni-Cd Battery

- Normal Operation: 600lm
- Emergency Lighting: 40lm



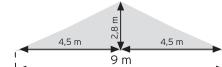
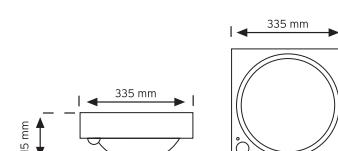
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x1000mAH Ni-Cd	360°	Max: 9 m	2,8 m	10 sec - 90 sec	2000 lux	IP44 ASSEMBLED	8 Pieces



SURFACE-MOUNTED PIR SENSOR

EMERGENCY LIGHTING

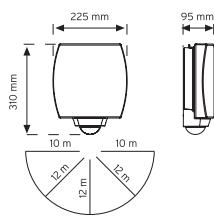
MADE IN TÜRKİYE



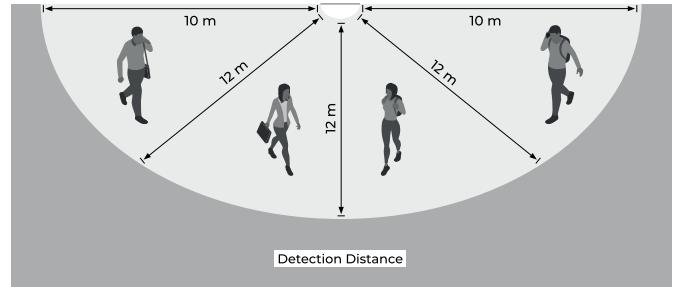
10800



SURFACE-MOUNTED PIR SENSOR 1xE27 SOCKET



- Detection from all directions enabled by a 180° triple-eye sensor
- Eye-friendly lighting through opal glass
- Adjustable time and lux settings
- Opal glass cover
- Normal Operation: -



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	180°	3-12 m	2.2 m	10 sec - 90 sec	2000 lux	IP 43	8 Pieces



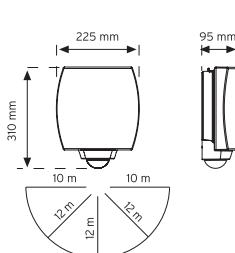
TS EN 60598-2-1



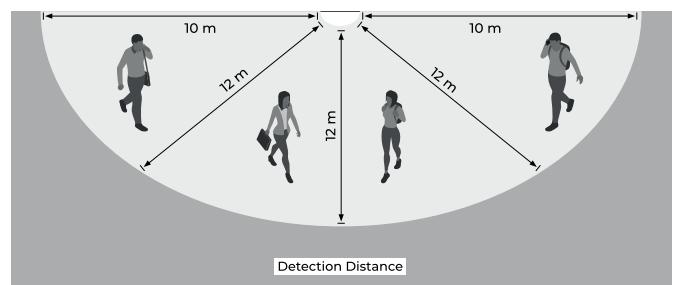
10820 8W



SURFACE-MOUNTED PIR SENSOR



- Class A energy consumption thanks to LED lighting
- Detection from all directions enabled by a 180° triple-eye sensor
- Eye-friendly lighting through soft glass
- Adjustable time and lux settings
- Opal glass cover
- 3000K-4000K-6500K
- Normal Operation: 850lm



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	180°	3-12 m	2.2 m	10 sec - 90 sec	2000 lux	IP 43	8 Pieces

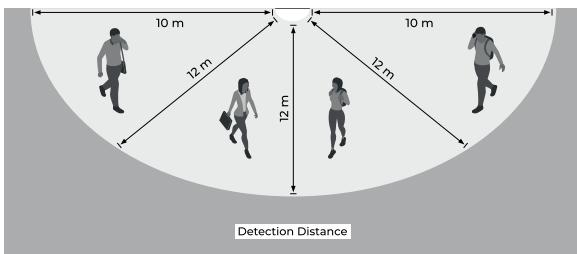


TS EN 60598-2-1



8W 10840

- Class A energy consumption thanks to LED lighting
- Detection from all directions enabled by a 180° triple-eye sensor
- Eye-friendly lighting through opal glass
- Adjustable time and lux settings
- Opal glass cover
- 3000K-4000K-6500K
- LED lighting during power outage
- 2-hour emergency lighting duration
- 3x650 mAh Ni-Mh / Ni-Cd Battery
- Normal Operation: 850lm
- Emergency Lighting: 50lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x650 mAh Ni-Cd	180°	2.2 m	3-12 m	10 sec - 90 sec	2000 lux	IP 43	8 Pieces



SURFACE-MOUNTED



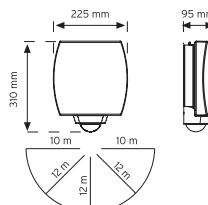
PIR SENSOR



EMERGENCY
LIGHTING



MADE IN
TÜRKİYE



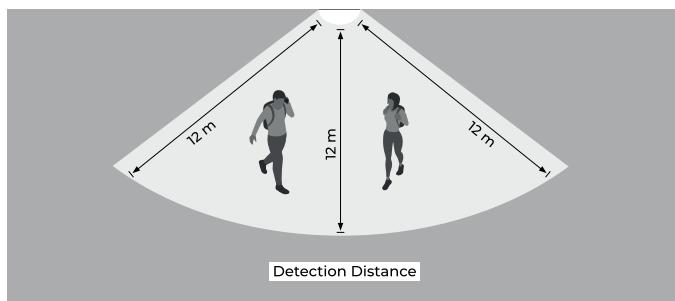
TS EN 60598-2-22

TS EN 60598-2-1



10201

- 110° sensor detection area
- Adjustable time and lux settings
- Polycarbonate diffuser
- Normal Operation: -



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	110°	2.2 m	3-12 m	10 sec - 90 sec	2000 lux	IP 44	21 Pieces



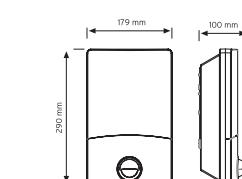
SURFACE-MOUNTED



PIR SENSOR



MADE IN
TÜRKİYE



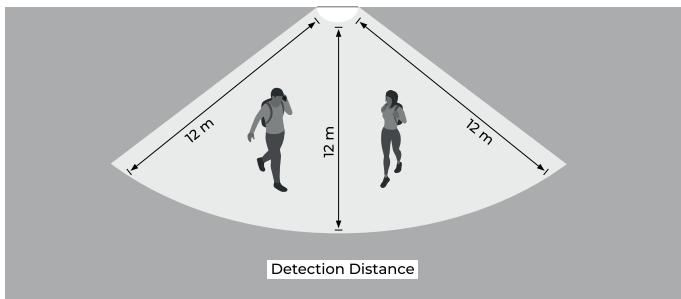
10211 12W



SURFACE-MOUNTED PIR SENSOR



- Class A energy consumption thanks to LED lighting
- 110° sensor detection area
- Adjustable time and lux settings
- Polycarbonate diffuser
- 3000K-4000K-6500K
- Normal Operation: 1200 lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	12 m	2.2 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP 44	21 Pieces



TS EN 60598-2-1



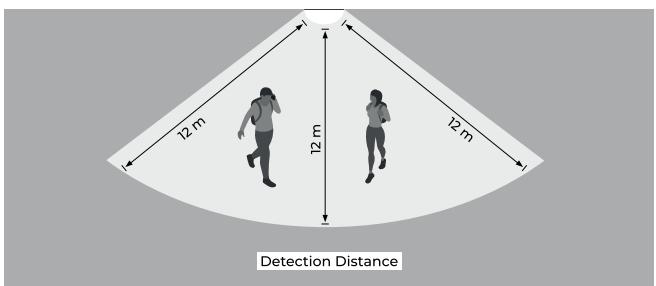
10211.03-3H 12W



SURFACE-MOUNTED PIR SENSOR



- Class A energy consumption thanks to LED lighting
- 110° sensor detection area
- Adjustable time and lux settings
- Polycarbonate diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x650 mAh Ni-Mh / Ni-Cd Battery
- Normal Operation: 1200 lm
- Emergency Lighting: 50lm



Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V - 50/60Hz	3x650mAh Ni-Cd	12 m	2.2 m	10 sec - 90 sec	2000 lux	-20°C ~ +40°C	IP 44	21 Pieces



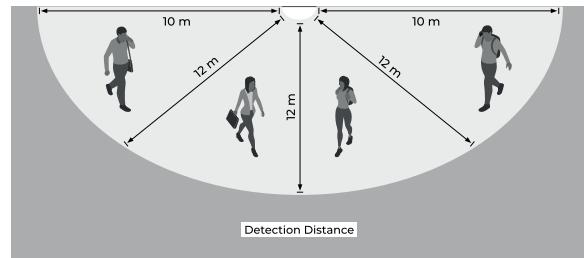
TS EN 60598-2-22

TS EN 60598-2-1



12W 10206-3H

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Polycarbonate body and opal diffuser
- 3000K-4000K-6500K
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3x1,2V 650mAh / Ni-Cd Battery
- Normal Operation: 960lm
- Emergency Lighting: 50lm



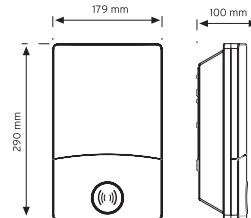
Operating Voltage	Battery Type	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x650mAh Ni-Cd	12 m	2.2 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	21 Pieces



SURFACE-MOUNTED



HF SENSOR

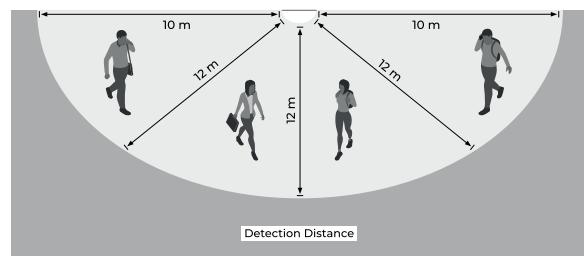


TS EN 60598-2-2
TS EN 60598-2-1

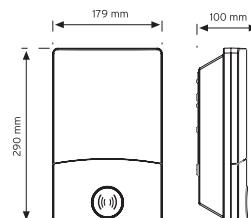


10203

- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Polycarbonate body and opal diffuser
- Normal Operation: -



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1xE27 Socket	12 m	2.2 m	17 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	21 Pieces

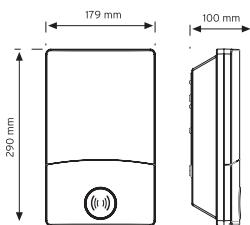


10206 12W

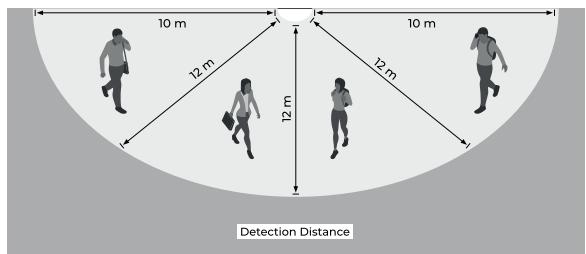


SURFACE-MOUNTED

HF SENSOR



- Class A energy consumption thanks to LED lighting
- 360° detection through HF sensor technology
- Driver with power factor > 0.95
- Polycarbonate body and opal diffuser
- 3000K-4000K-6500K
- Normal Operation: 960lm



Operating Voltage	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	180°	12 m → 2.2 m	10 - 90 sec	5-10 lux	-20°C ~ +40°C	IP44 ASSEMBLED	II Class 21 Pieces



TS EN 60598-2-1



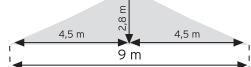
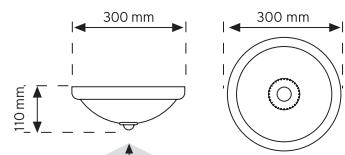
00778



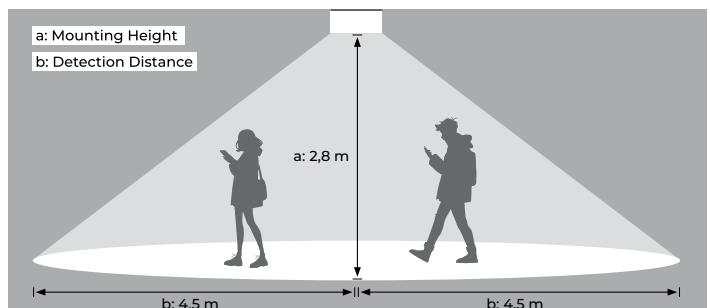
SURFACE-MOUNTED

PIR SENSOR

2xE27 SOCKET



- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- Normal Operation: -



Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	1x10W E27	360°	Max. 8 m → 2.8 m	10 - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	II Class 9 Pieces

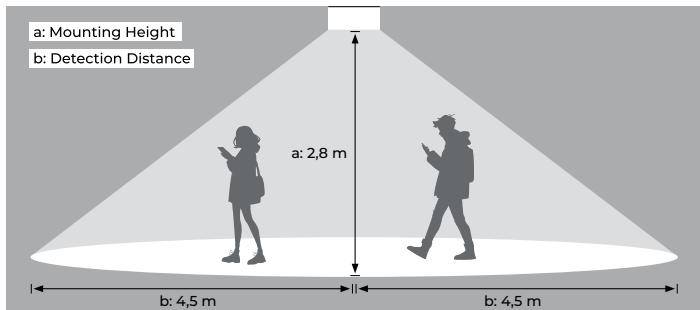


TS EN 60598-2-1



00778 KROM

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Polycarbonate body and glass cover
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: -
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(1,2V 650mAh Ni-Cd)	2xE27	Max. 9 m	2.8 m	10 ~ 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



SURFACE-MOUNTED



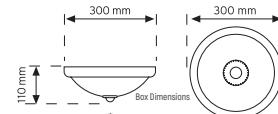
PIR SENSOR



EMERGENCY
LIGHTING



MADE IN
TÜRKİYE

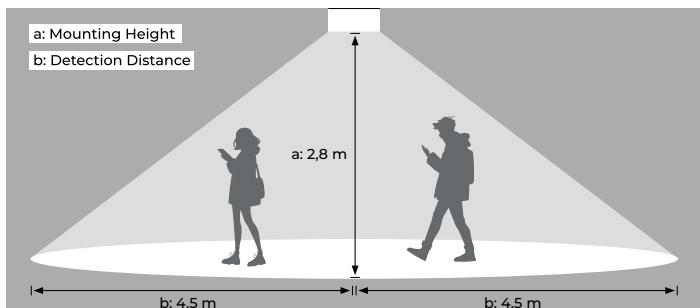


TS EN 60669-2-1
TS EN 60598-2-1



ND778-03-PD

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- LED lighting during power outage
- 3-hour emergency lighting duration
- 3 x 1,2V -650 mAh / Ni-Cd Battery
- Normal Operation: -
- Emergency Lighting: 70lm



Operating Voltage	Battery Type	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	3x(1,2V 650mAh Ni-Cd)	2xE27 Porcelain Socket	Max. 9 m	2.8 m	10 ~ 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



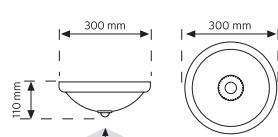
SURFACE-MOUNTED



PIR SENSOR



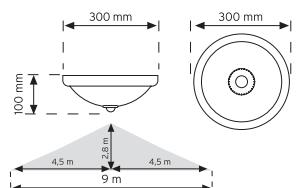
EMERGENCY
LIGHTING



ND999-01



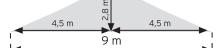
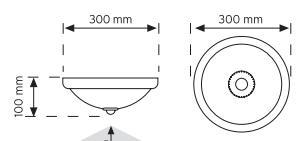
SURFACE-MOUNTED PIR SENSOR 2xE27 SOCKET



ND999-03-PD

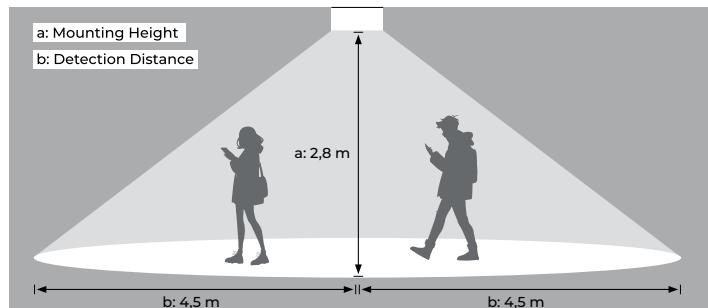


SURFACE-MOUNTED PIR SENSOR 2xE27 PORCELAIN SOCKET



sensorPLUS®

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- Normal Operation: -

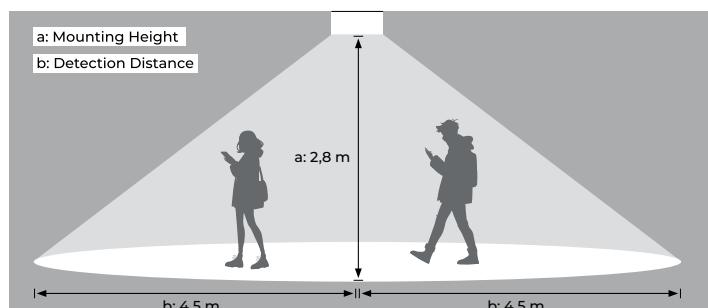


Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2xE27	360°	2.8 m	10 - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	9 Pieces



sensorPLUS®

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- Normal Operation: -



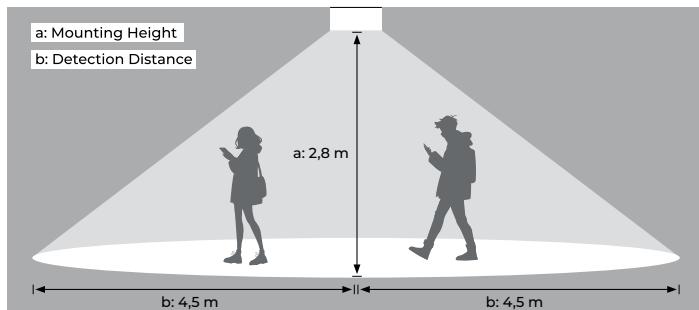
Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2xE27	360°	2.8 m	10 - 90 sec	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	14 Pieces



00999

sensorPLUS®

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- Normal Operation: -



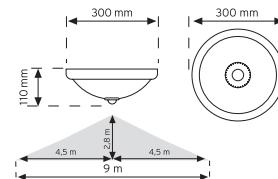
Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2xE27 80W	Max. 9 m	2.8 m	10 sn - 90 sn	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1/4 Pieces



TS EN 60598-2-1

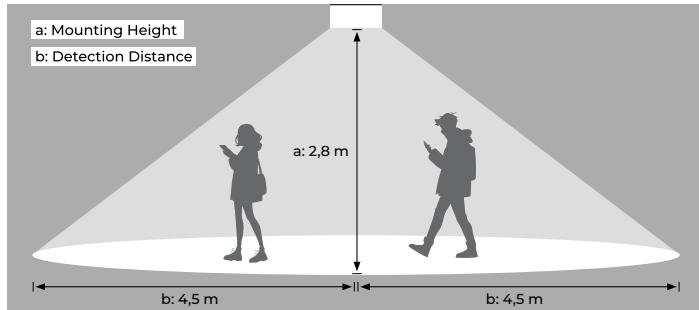


SURFACE-MOUNTED PIR SENSOR 2xE27 PORCELAIN SOCKET



sensorPLUS®

- Detection from every angle through the 360° motion sensor
- Eye-friendly lighting through frosted glass
- Adjustable time and lux settings
- Metal casing and glass cover
- Normal Operation: -



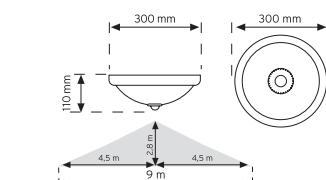
Operating Voltage	Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
220-240V~ 50/60Hz	2xE27 80W	Max. 9 m	2.8 m	10 sn - 90 sn	2-2000 lux	-20°C ~ +40°C	IP44 ASSEMBLED	1/4 Pieces



TS EN 60598-2-1



SURFACE-MOUNTED PIR SENSOR 2xE27 PORCELAIN SOCKET

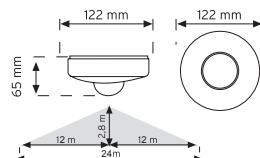


10500-10520

Ceiling Type Presence Sensor



SURFACE-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	6 - 24 m	2.8 m	3 min - 30 min	2-2000 lux	Ø122 mm	-20°C ~ +40°C	IP 54	17 kg 7150x62.00x33.00

e-MOTION®

- Light remains on as long as a person is present in the area
- Detection from all directions enabled by a 360° triple-eye sensor
- Adjustable angle with 180° / 360° options
- Time, lux, and range settings with remote control
- 24-meter detection range
- Operates without being affected by ambient temperature, sensitivity variations, or interference, thanks to advanced digital signal processing (DSP) software and a powerful microprocessor
- Stable year-round operation with temperature compensation
- Light indication

TS EN 60669-2-1
TS EN 60598-2-1

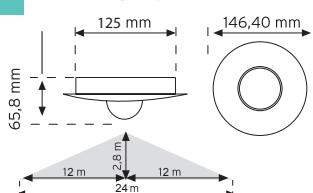


10510-10521

Ceiling Type Presence Sensor



FLUSH-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	6 - 24 m	2.8 m	3 min - 30 min	2-2000 lux	Ø125 mm	-20°C ~ +40°C	IP 54	17 kg 7150x62.00x33.00

e-MOTION®

- Light remains on as long as a person is present in the area
- Detection from all directions enabled by a 360° triple-eye sensor
- Adjustable angle with 180° / 360° options
- Time, lux, and range settings with remote control
- 24-meter detection range
- Operates without being affected by ambient temperature, sensitivity variations, or interference, thanks to advanced digital signal processing (DSP) software and a powerful microprocessor
- Stable year-round operation with temperature compensation
- Light indication

TS EN 60669-2-1
TS EN 60598-2-1

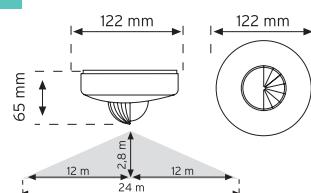


10463

Ceiling Type Motion Sensor



SURFACE-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	6 - 24 m	2.8 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP 54	17 kg 7150x62.00x33.00

e-MOTION®

- Detection from all directions enabled by a 360° triple-eye sensor
- Adjustable angle with 180° / 360° options
- 24-meter detection range
- Easy surface-mounted installation
- Error-free detection enabled by digital control

TS EN 60669-2-1
TS EN 60598-2-1



e-MOTION®

- 360° detection angle
- Easy surface-mounted installation
- Adjustable time, lux and distance settings
- Error-free detection enabled by digital control

Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	3 - 12 m	2.8 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP 54	7150x62.00x33.00

Ceiling Type Motion Sensor

10464



MADE IN
TÜRKİYE

SURFACE-MOUNTED



TS EN 60669-2-1
TS EN 60598-2-1



2
YEAR
WARRANTY



e-MOTION®

- Detection from all directions enabled by a 360° triple-eye sensor
- Adjustable angle with 180° / 360° options
- Easy flush-mounted installation
- Adjustable time, lux and distance settings
- 24-meter detection range
- Error-free detection enabled by digital control

Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	6 - 24 m	2.8 m	10 sec - 5 min	2-2000 lux	Ø130 mm	-20°C ~ +40°C	IP 54	7150x62.00x33.00

Ceiling Type Motion Sensor

10465



MADE IN
TÜRKİYE

FLUSH-MOUNTED



TS EN 60669-2-1
TS EN 60598-2-1



2
YEAR
WARRANTY



e-MOTION®

- 360° detection angle
- Easy surface-mounted installation
- Adjustable time, lux and distance settings
- Error-free detection enabled by digital control

Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	3 - 12 m	2.8 m	10 sec - 5 min	2-2000 lux	Ø125 mm	-20°C ~ +40°C	IP 54	7150x62.00x33.00

Ceiling Type Motion Sensor

10466



MADE IN
TÜRKİYE

FLUSH-MOUNTED



TS EN 60669-2-1
TS EN 60598-2-1



2
YEAR
WARRANTY

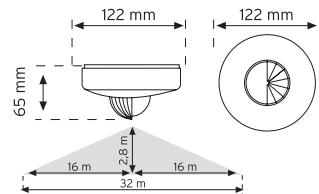


10467

Ceiling Type Motion Sensor



FLUSH-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	360°	6 - 32 m	2.8 m	10 sec - 5 min	2-2000 lux	IP 54	17 Kg 54 Pieces

le-MOTION®

- Dual-lens, corridor type sensor
- Easy surface-mounted installation
- Adjustable time, lux and distance settings
- 32-meter detection range
- Error-free detection enabled by digital control

TS EN 60669-2-1
TS EN 60598-2-1

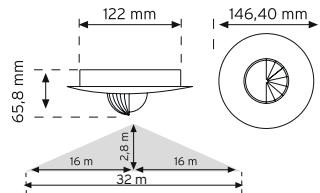


10468

Ceiling Type Motion Sensor



FLUSH-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	360°	6 - 32 m	2.8 m	10 sec - 5 min	2-2000 lux	IP 54	17 Kg 54 Pieces	7150x62,00x33,00

le-MOTION®

- Dual-lens, corridor type sensor
- Easy surface-mounted installation
- Adjustable time, lux and distance settings
- 32-meter detection range
- Error-free detection enabled by digital control

TS EN 60669-2-1
TS EN 60598-2-1

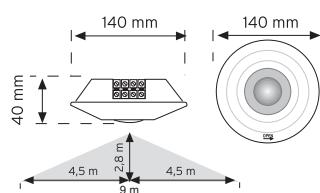


10359

Ceiling Type Motion Sensor



FLUSH-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	1000 W / 400 W	6x58 W	360°	max. 9 m	2.8 m	10 sec - 5 min	2-2000 lux	IP 20	8 Kg 32 Pieces	44,50x30,00x31,00

- 360° detection angle
- Easy surface-mounted installation
- Adjustable time, lux and distance settings

TS EN 60669-2-1
TS EN 60598-2-1



Ceiling Type Motion Sensor

10661

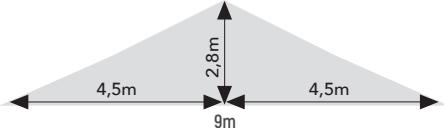
- Detects movement from every angle with single-lens sensor technology
- Both surface and flush-mounted installation
- Adjustable time, lux and distance settings
- 9-meter detection range
- Error-free detection enabled by digital control



MADE IN
TÜRKİYE

FLUSH / SURFACE
MOUNTED

10661



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	2000 W / 800 W	6x58 W	3 - 9 m	360°	2.8 m	10 sec - 5 min	2-2000 lux	0.88 mm	IP 40 / 54	17 Kg 72 Pieces 71.50x62.00x33.00

TS EN 60669-2-1
TS EN 60598-2-1



SENSOR & SENSOR
LIGHTING

Ceiling Type Motion Sensor

10662

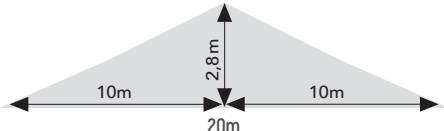
- Dual-lens, corridor type sensor
- 360° detection angle
- Both surface and flush-mounted installation
- 20-meter detection range
- Adjustable time, lux and distance settings



MADE IN
TÜRKİYE

FLUSH / SURFACE
MOUNTED

10662



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	2000 W / 800 W	6x58 W	5 - 20 m	360°	2.8 m	10 sec - 5 min	2-2000 lux	0.88 mm	IP 40 / 54	17 Kg 72 Pieces 71.50x62.00x33.00

TS EN 60669-2-1
TS EN 60598-2-1



10663

Ceiling Type Motion Sensor



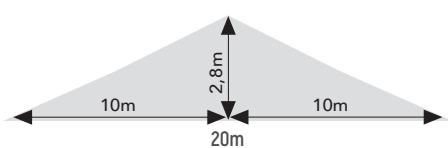
MADE IN
TÜRKİYE

FLUSH / SURFACE
MOUNTED



- Detection from all directions enabled by a 360° triple-eye sensor
- Adjustable time, lux and distance settings
- 20-meter detection range
- Easy surface and flush-mounted installation
- Error-free detection enabled by digital control

10663



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	5 - 20 m	2.8 m	10 sec - 5 min	2-2000 lux	Ø88 mm	-20°C ~ +40°C	IP 40 / 54	17 kg 71,50x62,00x33,00 72 Pieces



TS EN 60669-2-1
TS EN 60598-2-1



10180

Wall Type Motion Sensor

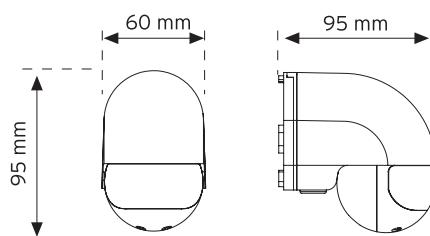


MADE IN
TÜRKİYE

SURFACE-MOUNTED



- Adjustable sensor 120° left-right and 30° up-down
- Adjustable time and lux settings
- 180° detection angle
- Error-free detection enabled by digital control



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	2000 W / 800 W	6x58 W	5 - 20 m	2.2 m	10 sec - 5 min	2-2000 lux	-20°C ~ +40°C	IP 44	7 kg 71,50x62,00x33,00 36 Pieces

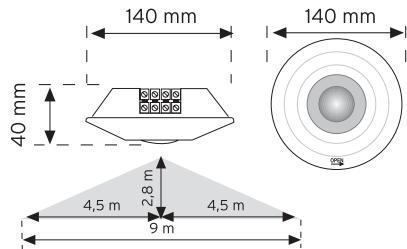


TS EN 60669-2-1
TS EN 60598-2-1



EMOTION®

- 360° detection angle
- Easy surface-mounted installation
- Adjustable time and lux settings
- Error-free detection enabled by digital control



Ceiling Type Motion Sensor

10360



SURFACE-MOUNTED



SENSOR & SENSOR
LIGHTING



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	1000 W / 400 W	6x58 W	360° max. 9 m →	2.8 m	10 sec - 5 min	2-2000 lux	-20°C - +40°C	IP 20 II Class	8 Kg 44,50x30,00x31,00 32 Pieces

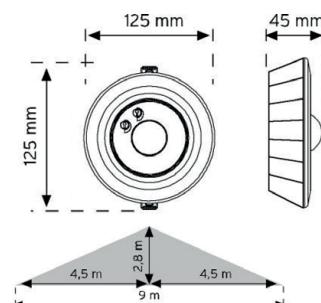
TS EN 60669-2-1
TS EN 60598-2-1



Ceiling Type Motion Sensor

10361

- 360° detection angle
- Easy surface-mounted installation
- Adjustable time and lux settings
- Error-free detection enabled by digital control



SURFACE-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	1000 W / 400 W	6x58 W	360° max. 9 m →	2.8 m	10 sec - 5 min	2-2000 lux	-20°C - +40°C	IP 20 II Class	8 Kg 44,50x30,00x31,00 32 Pieces

TS EN 60669-2-1
TS EN 60598-2-1



10362

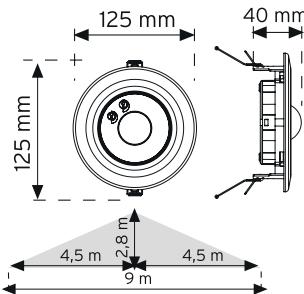
Ceiling Type Motion Sensor



FLUSH-MOUNTED



- 360° detection angle
- Easy surface-mounted installation
- Adjustable time and lux settings
- Error-free detection enabled by digital control



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	1000 W / 400 W	8x58 W	360° max. 9 m	2.8 m	10 sec - 5 min	2-2000 lux	Ø110 mm	-20°C - +40°C	IP 20	8.4 kg 4750x28.00x2750 10 pieces

TS EN 60669-2-1
TS EN 60598-2-1



10365

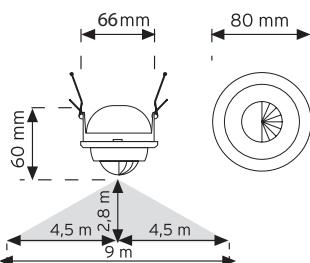
Spot Type Motion Sensor



FLUSH-MOUNTED



- Detection from every angle through the 360° motion sensor
- Adjustable sensor 30° left-right
- Easy flush-mounted installation
- Adjustable time and lux settings
- Adjustable angle from 30° to 360° with angle adjustment accessory
- Error-free detection enabled by digital control



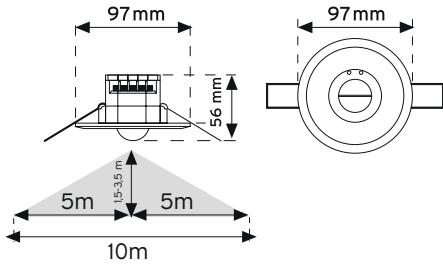
Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutout Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	1000 W / 400 W	8x58 W	360° max. 9 m	2.8 m	10 sec - 6 min	2-2000 lux	Ø72 mm	-20°C - +40°C	IP 54	4.5 kg 4750x28.00x2750 10 pieces

TS EN 60669-2-1
TS EN 60598-2-1



EMOTION®

- 360° detection through HF sensor technology
- Detection through walls, drywall, and glass
- Easy flush-mounted installation
- Adjustable time, lux and distance settings



Ceiling Type HF Sensor

10366



MADE IN
TÜRKİYE



SENSOR & SENSOR
LIGHTING

Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Cutoff Diameter	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	1000 W / 400 W	6x58 W	2-10 m ↔	1.5 m - 3.5 m	10 sec - 30 min	10-500 lux	φ80 mm	-20°C ~ +40°C	IP 20 II Class	17 Kg 65 Pieces 71,50x62,00x33,00



TS EN 60669-2-1
TS EN 60598-2-1

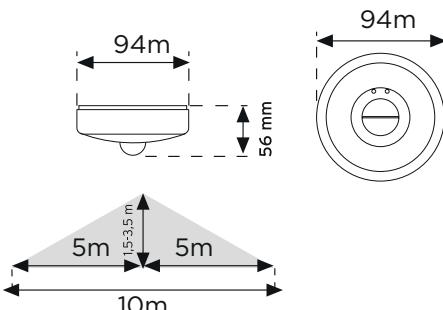


Ceiling Type HF Sensor

10367

EMOTION®

- 360° detection through HF sensor technology
- Detection through walls, drywall, and glass
- Easy flush-mounted installation
- Adjustable time, lux and distance settings



MADE IN
TÜRKİYE



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V~ 50/60Hz	1200 W / 800 W	6x58 W	1-10 m ↔	1.5 m - 3.5 m	10 sec - 30 min	2-2000 lux	-20°C ~ +40°C	IP 20 II Class	11 Kg 112 Pieces 71,50x62,00x33,00



TS EN 60669-2-1
TS EN 60598-2-1



10100 Switch Type Motion Sensor



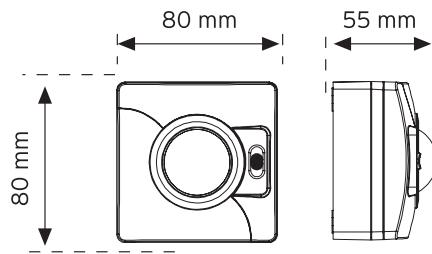
SURFACE-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	1000 W / 400 W	6x58 W	9 - 8 m	360°	2.8 m / 1-2 m	10 sec - 5 min	2-2000 lux	IP 20	1 kg / 48 Pieces 34,50x27,50x27,00



- AUTO and ON/OFF mode options with 3-position switch
- Easy surface-mounted installation
- Suitable for ceiling and wall mounting
- Adjustable time and lux settings
- 360° detection angle on ceiling, 180° on wall
- Error-free detection enabled by digital control



TS EN 60669-2-1

TS EN 60598-2-1



10100 GRAY Switch Type Motion Sensor



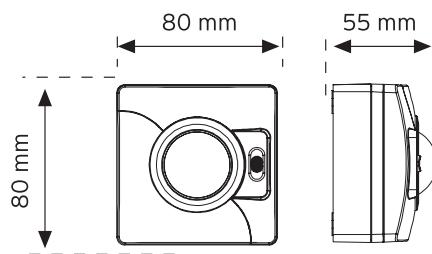
SURFACE-MOUNTED



Operating Voltage	Lighting Load	LED Lighting Load	Detection Range	Detection Height	Time Adjustment	Daylight Adjustment	Operating Temp.	Protection Class	Box Dimensions
230-240V - 50/60Hz	1000 W / 400 W	6x58 W	9 - 8 m	360°	2.8 m / 1-2 m	10 sec - 5 min	2-2000 lux	IP 20	1 kg / 48 Pieces 34,50x27,50x27,00



- AUTO and ON/OFF mode options with 3-position switch
- Easy surface-mounted installation
- Suitable for ceiling and wall mounting
- Adjustable time and lux settings
- 360° detection angle on ceiling, 180° on wall
- Error-free detection enabled by digital control



TS EN 60669-2-1

TS EN 60598-2-1



VIDEO & AUDIO INTERCOM SYSTEMS

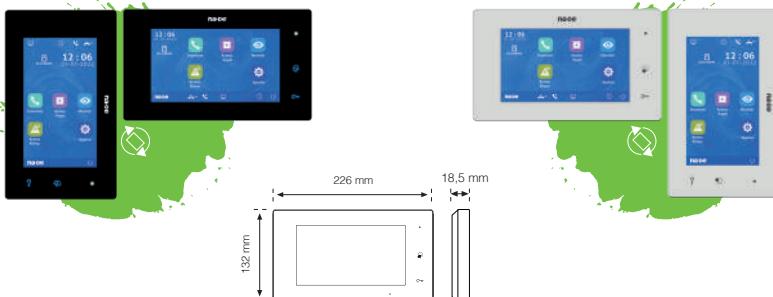


VIDEO & AUDIO
INTERCOM SYSTEMS

na·De®

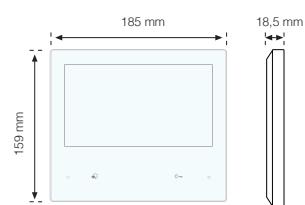
ND 470 - ND 470 S

7" Color Video Intercom with Glass Front Panel Rotatable Screen



ND 482 SE S.

7" Color Video Intercom - Economical Serie



ND 471 - ND 471S

IP 7" Color Video Intercom



ND 471S product supports wireless connectivity via Wi-Fi.



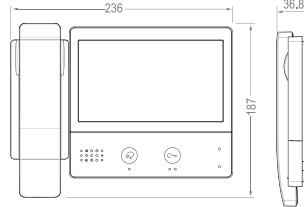
ND 471S & ND471

- 7" Touchscreen High-Resolution LCD Display
- One-touch access to favorite functions from the main screen
- Adjustable brightness, contrast, color, and volume
- Door lock control
- Hands-free communication
- "Do Not Disturb" feature
- Ability to save call history with pictures or videos
- Supports up to 32 GB memory card
- Unlimited intercom communication between units
- Communication with security personnel
- Option to connect additional monitors
- Call forwarding to smartphone application
- Supports IP cameras (ONVIF compatible)
- Alarm input (Max. 4 security zones, customizable)
- Elevator control function
- Multi-language support (customizable)
- Dimensions: 174mm x 161mm x 22mm

GU 471

SECURITY GUARD UNIT

- 7" touchscreen display
- Call forwarding to a smartphone if unanswered
- Ability to assign unique ringtones for each caller
- Quick access to favorite functions on the home screen with one-touch operation
- Handset or hands-free communication
- Ability to save call history with pictures or videos
- Assign an ONVIF-compatible camera as your own camera
- Receive video feed from an ONVIF-compatible camera while on the network
- Alternative usage options with wall mount or desktop placement



ND DJ4A

PARALLEL HANDSET

- Call answering
- Door unlocking



ND 610

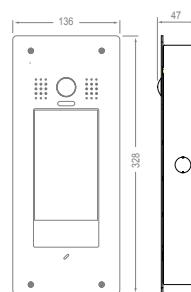
VILLA DOORBELL PANEL

- Aluminum surface
- Surface-mounted
- Fish-eye 170° wide-angle camera
- IP54 rating outdoor use



ND 850

5" Doorbell Panel with Touchscreen



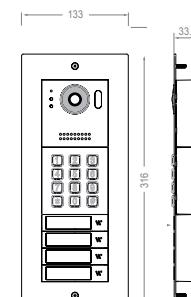
- 5" TFT touchscreen display
- Fingerprint-resistant stainless steel surface
- Surface-mounted and flush-mounted installation options
- 170° wide-angle fisheye camera
- RF-ID card reader or password entry options
- Easy dialing with the directory feature
- Communication with security points
- Menu for updating without entering the apartment
- IP65 protection rating



Operating Voltage	CAMERA	Electrical Lock	Adjustments	Operating Temp.	Ingress Protection	Impact Protection	Cable Type
PoE	Colorful	Key	Bell	-25°C ~ +50°C	IP 65	IK 08	CAT6

ND 821

Modular Doorbell Panel



- Customizable designs with modular outdoor unit
- Surface-mounted and flush-mounted installation options
- 170° wide-angle fisheye camera
- RF-ID card reader, classic apartment button, or password entry options
- Communication with security points



Operating Voltage	CAMERA	Electrical Lock	Adjustments	Operating Temp.	Ingress Protection	Impact Protection	Cable Type
PoE	170° Fish-eye	Key	Bell	-25°C ~ +50°C	IP 65	IK 08	CAT6

X5 TECH CM0420

SWITCH



- Cascade connection capability on horizontal distributors
- 4 panel inputs
- 4*10/100MPOE + 2*100 Mbps Uplink



X5 TECH CM0820

SWITCH



- 8 panel inputs
- 8*10/100MPOE + 2*100 Mbps Uplink

VIDEO & AUDIO
INTERCOM SYSTEMS

X5 TECH CM0820G

SWITCH



- 8*10/100MPOE + 2*1000 Mbps Uplink
- 120 Watt total power
- Plug-and-play



ND 821 VM

CAMERA MODULE



ND 821 -MD

MECHANICAL BUTTON MODULE



ND 821-NO

DOT-TYPE SCREEN & CARD READER MODULE



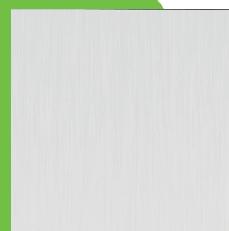
ND 821-54

4- BUTTON MODULE



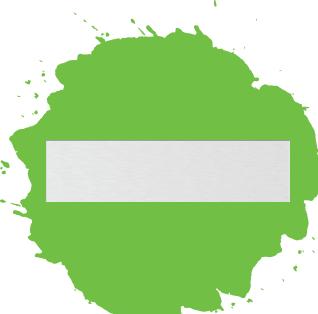
ND 821 BB

EMPTY BLOCK



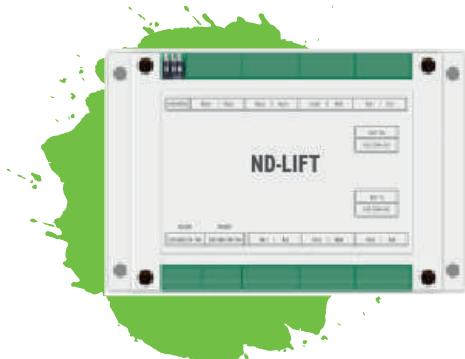
ND 821- BT

SINGLE BUTTON COVER



ND - LIFT

LIFT CONTROL MODULE [14 Relays]



ND - RLC

RELAY CONTROL MODULE



ND - 821F/2x1

2- MODULE FRAME



ND - 821F/3x1

3- MODULE FRAME



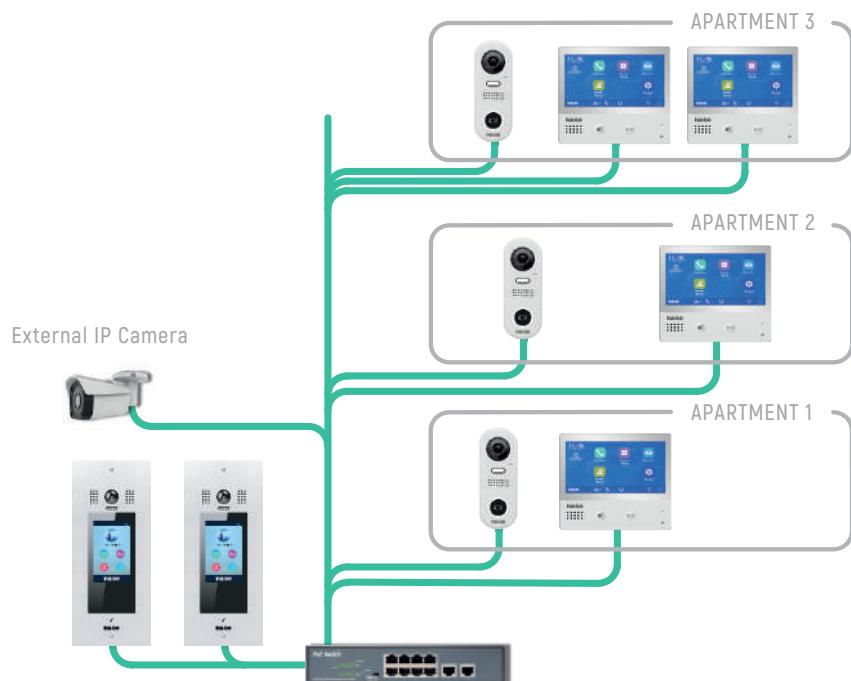
IP SYSTEM CONNECTION DIAGRAM

VILLA-TYPE CONNECTION PRINCIPLE DIAGRAM



IP SYSTEM CONNECTION DIAGRAM

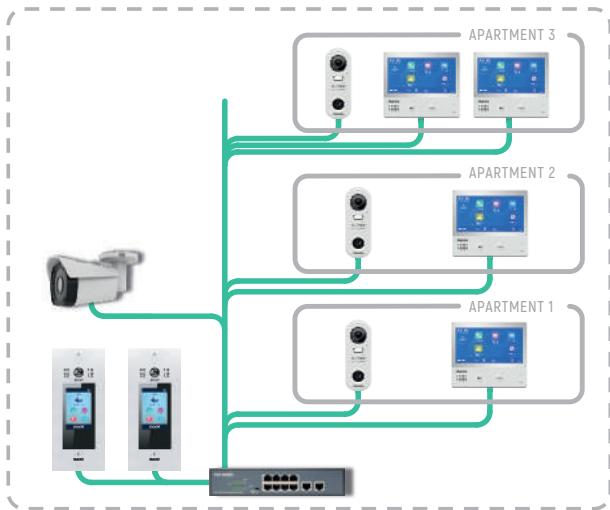
SINGLE BUILD TYPE CONNECTION PRINCIPLE DIAGRAM



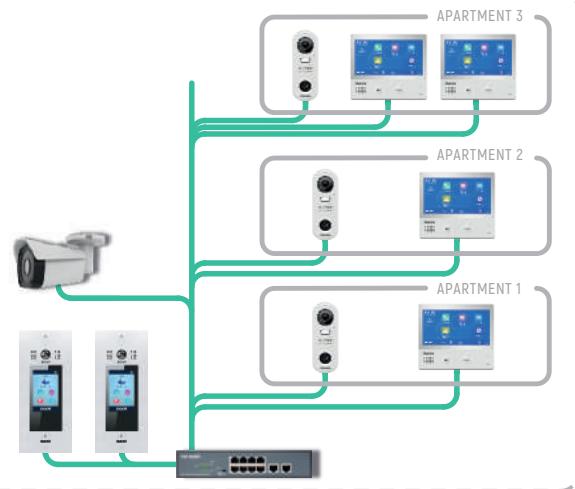
IP SYSTEM CONNECTION DIAGRAM

MULTIPLE BUILDING TYPE CONNECTION PRINCIPLE DIAGRAM

BUILDING 1



BUILDING 2



SECURITY



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VIDEO & AUDIO
INTERCOM SYSTEMS

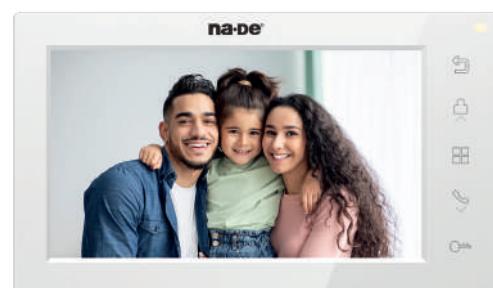
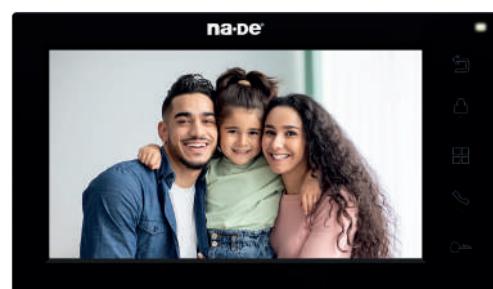
VIDEO & AUDIO
INTERCOM SYSTEMS



V-8

INTERCOM
SYSTEMS

na·De®



VIDEO & AUDIO
INTERCOM SYSTEMS

M3807ADT-8. & M3807ADT-8 S.

7" COLOR VIDEO INTERCOM

NEW



- Black - White color options
- User-friendly and easy to use
- Touch-sensitive buttons
- Ability to communicate with the security center
- Intercom communication between apartments
- Support for 1 slave monitor for duplex apartments
- Real-time CCTV camera monitoring
- Adjustable brightness, contrast, volume, screen mode, and color
- "Do Not Disturb" function
- Door lock release function

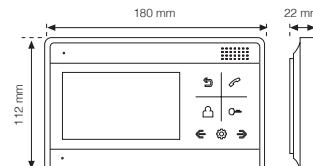
CE



M2604ADT-8 E. & M2604ADT-8 SE.

4,3" COLOR VIDEO INTERCOM

NEW



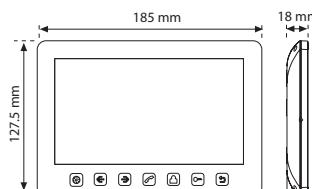
- Black and White color options
- User-friendly and easy to operate
- Touch-sensitive buttons
- Ability to communicate with the security center
- Intercom communication between apartments
- Support for 1 slave monitor for duplex apartments
- Real-time CCTV camera monitoring
- Adjustable brightness, contrast, volume, screen mode, and color
- "Do Not Disturb" function
- Door lock release function

CE



M2307ADT-8 & M2307ADT-8 S

7" COLOR VIDEO INTERCOM

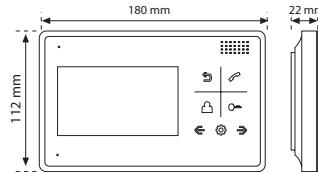


- 7" high-resolution LCD display
- Touch buttons with fast detection feature
- Hands-free communication
- User-friendly interface
- Ability to communicate between apartments
- Door lock control
- View external door and any desired CCTV camera
- Adjustable brightness, contrast, color, and sound
- Ability to communicate with security
- Do-not-disturb feature
- 12 polyphonic ringtone options
- Advanced OSD menu
- Optional different language selections
- Available in white and black color options

CE



- 4.3" High-Resolution LCD Display
- Touch-sensitive buttons with quick response
- Hands-free communication
- User-friendly interface
- Intercom communication between apartments
- Door lock control
- Live view of outdoor panel and optional CCTV camera
- Adjustable brightness, contrast, color, and volume
- Ability to communicate with security personnel
- "Do Not Disturb" function
- 25 polyphonic ringtone options
- Advanced OSD (On-Screen Display) menu
- Optional multi-language support
- Available in black and white color options



M2804ADT-8 & M2804ADT-8 S

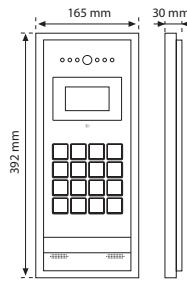
4,3" COLOR VIDEO INTERCOM



D28AC & D28AC S

DOORBELL PANEL with DIGITAL CAMERA

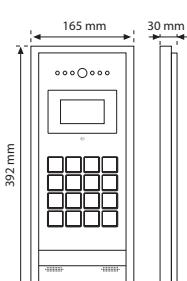
- Easy-to-use graphic display
- Backlit buttons
- Aluminum alloy die-cast panel
- Name registration and custom password creation for all apartments
- Communication with security, social facilities, and door
- Communication with apartments in other buildings
- Available in light and dark color options



D28BC & D28BC S

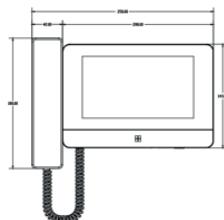
DOORBELL PANEL with DIGITAL CAMERA & RF-ID CARD

- Screen with card reader feature for password and card-based access
- Easy-to-use graphic display
- Backlit buttons
- Aluminum alloy die-cast panel
- Name registration and custom password creation for all apartments
- Communication with security, social facilities, and door
- Communication with apartments in other buildings
- Available in light and dark color options

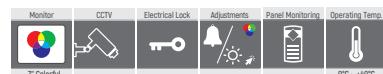


M1607BCR

SECURITY PHONE



- Lock control
- Silent mode
- Adjustable color, brightness, contrast, and volume
- Different ringtones can be set for different times
- User can set an MP3 file as the ringtone
- Real-time monitoring of door station or CCTV cameras
- Supports photo capture, audio, and video recording
- Automatic photo capture or video recording when called by door station
- DVR function
- Dimensions: 250x180x27 mm (with handset), 208x142x22.5 mm (hands-free)



NV08

DISTRIBUTOR

NEW



- 3 line outputs, each supporting up to 50 apartments (under suitable conditions)
- Total capacity of up to 100 apartments (under suitable conditions)
- 1 panel input



NV03

DISTRIBUTOR



- 6 line outputs, each supporting up to 50 apartments (under suitable conditions)
- Total capacity of up to 200 apartments (under suitable conditions)
- 2 CCTV inputs
- Security phone connection input
- 2 panel inputs



TBS-PW5A

POWER SUPPLY

■ Output power: 24V 5A



V-8 System Description

** Additional installation products in the V-8 system should be provided according to the following descriptions.

The cabling infrastructure of the V-8 system is recommended to be from apartment to apartment. If a shaft system is to be used, a maximum of 12 apartments should be connected to a single column line.

The doorman's phone may vary depending on preference.

The distance between the M1607BCR security phone and the distributor should be no more than 100 meters.

The cable to be used for the security phone must be CAT6.

When a security phone is added, an RJ-45 connection socket must be used.

As the number of blocks increases, NH01 horizontal distributors should be used accordingly.

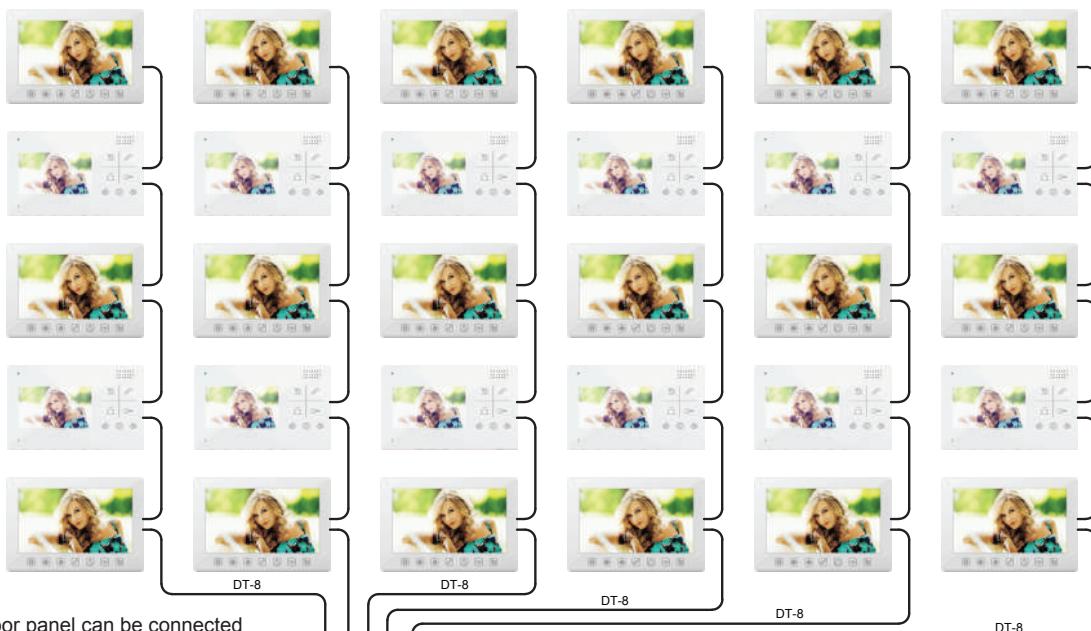
The power supply capacity is provided in the table below.

When the capacity is exceeded, an additional TBS-PW5A product should be included.

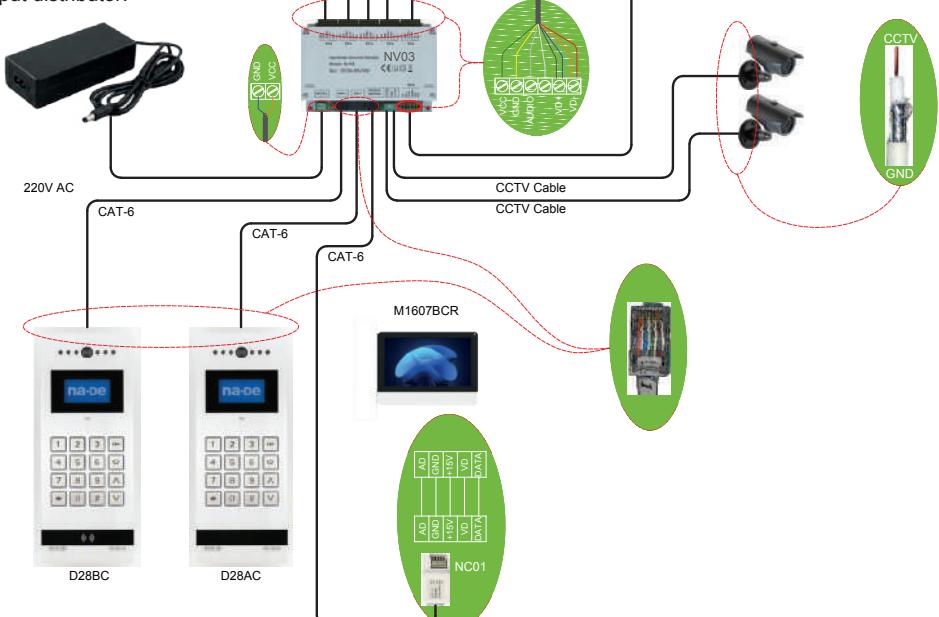
CABLE TYPE	MAX MONITOR
DT8 - CAT6	20 Monitor

V-8 SYSTEM CONNECTION DIAGRAM

Switches of the last units should be set to the 'ON' position.



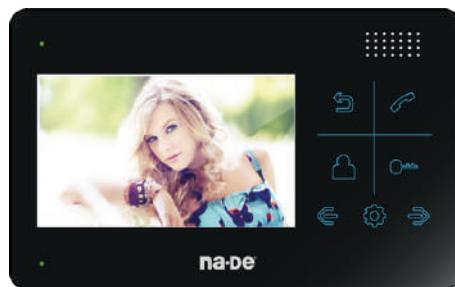
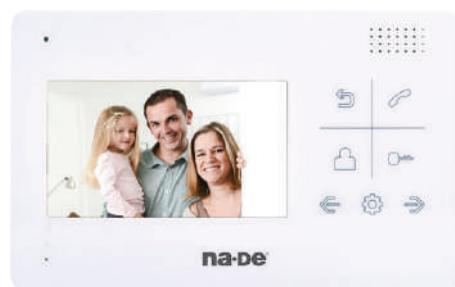
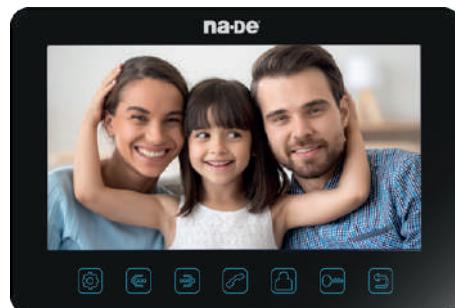
One external door panel can be connected to the NV08 output distributor.



V-BUS9

INTERCOM
SYSTEMS

na·De®

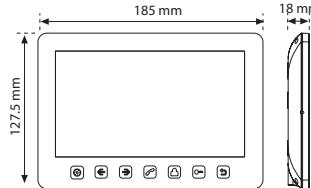
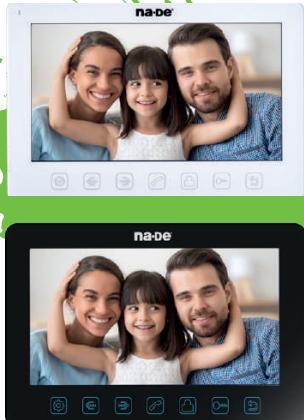


VIDEO & AUDIO
INTERCOM SYSTEMS

na·De® V-BUS9 INTERCOM SYSTEMS

M2307ADT & M2307ADT S

7" COLOR VIDEO INTERCOM

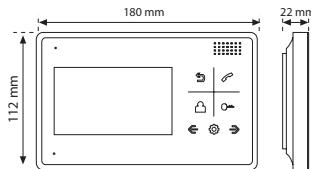
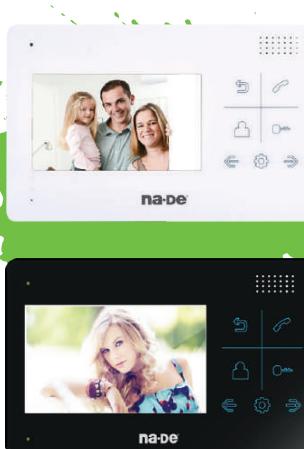


- 7" high-resolution LCD screen
- Touch buttons with fast detection feature
- Handsfree communication
- User-friendly interface
- Ability to communicate between apartments
- Door lock control
- View external door and any desired CCTV camera
- Adjustable brightness, contrast, color, and sound
- Ability to communicate with security
- Do-not-disturb feature
- Option to connect an additional monitor
- 12 polyphonic ringtone options
- Advanced OSD menu
- Optional different language selections
- Available in white and black color options



M2804ADT & M2804ADT S

4,3" COLOR VIDEO INTERCOM

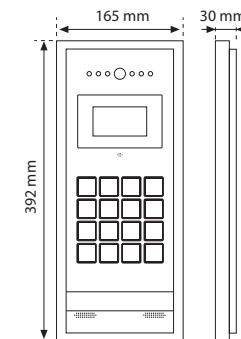


- 4.3" high-resolution LCD screen
- Touch buttons with fast detection feature
- Handsfree communication
- User-friendly interface
- Ability to communicate between apartments
- Door lock control
- View external door and any desired CCTV camera
- Adjustable brightness, contrast, color, and sound
- Ability to communicate with security
- Do-not-disturb feature
- Option to connect an additional monitor
- 25 polyphonic ringtone options
- Advanced OSD menu
- Optional different language selections
- Available in white and black color options



D28AC & D28AC S

DOORBELL PANEL with DIGITAL CAMERA



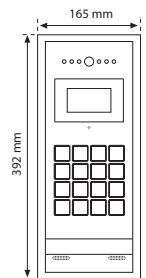
- Easy operation with graphic display
- Backlit buttons
- Aluminum alloy cast panel
- Name registration and creation of custom passwords for all apartments
- Communication with security, social facilities, and the concierge
- Ability to communicate with apartments in other buildings
- Available in light and dark color options



D28BC & D28BC S

DOORBELL PANEL with DIGITAL CAMERA & RF-ID CARD

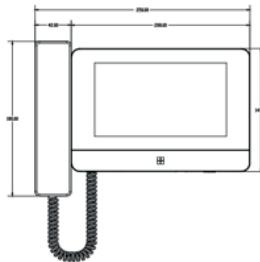
- Screen with password and card access via card reader feature
- Easy operation with graphic display
- Backlit buttons
- Aluminum alloy cast panel
- Name registration and creation of custom passwords for all apartments
- Communication with security, social facilities, and the concierge
- Ability to communicate with apartments in other buildings
- Available in light and dark color options



M1607BCR

SECURITY UNIT

- Lock control
- Silent mode
- Adjustable color, brightness, contrast, and sound
- Different ringtones can be set for different times
- User's MP3 file can be set as a ringtone
- Real-time monitoring of door station or CCTV cameras
- Support for capturing images and recording audio and video
- Automatic photo capture or recording when called by the door station
- DVR function
- Dimensions: 250*180*27mm (with handset), 208*142*22.5mm (without handset)
- Color: Black



NH01

HORIZONTAL DISTRIBUTOR



- Cascade connection in horizontal distributors
- 2 panel inputs



NH02

HORIZONTAL DISTRIBUTOR



- 4 Panel inputs



NH03

HORIZONTAL DISTRIBUTOR



- 4 CCTV support
- 2 panel support (8 panels with NH02)
- Ability to convert and distribute network signals



NV01

VERTICAL DISTRIBUTOR



- Supports the use of 4 monitors
- Can be cascaded with vertical distributors



RF-ID

RF-ID CARD & RF-ID KEY



- Compatible with RF-ID card systems.

NC01

RJ45 CONNECTION SOCKET



- It enables the connection of security phone and V-BUS9 monitors to distributor.

PW01.1

POWER SUPPLY



- Output Power: 90W
- Output Voltage: 36V/2A (Peak 2.5A)
- Battery Charging Output: 27.6V/0.5A



V-BUS9 DESCRIPTION

****The wiring of the V-BUS9 system should be shaft-based.**

- The concierge phone may vary depending on preference [M2307ADT - M280ADT].
- The cable used for the security phone should be CAT6.
- When the M1607BCR security phone is added, an RJ-45 connection socket, NV01 vertical distributor, PW01.1 power supply, and NH01 distributor should be used.
- As the number of blocks increases, NH01 horizontal distributors should be added accordingly.

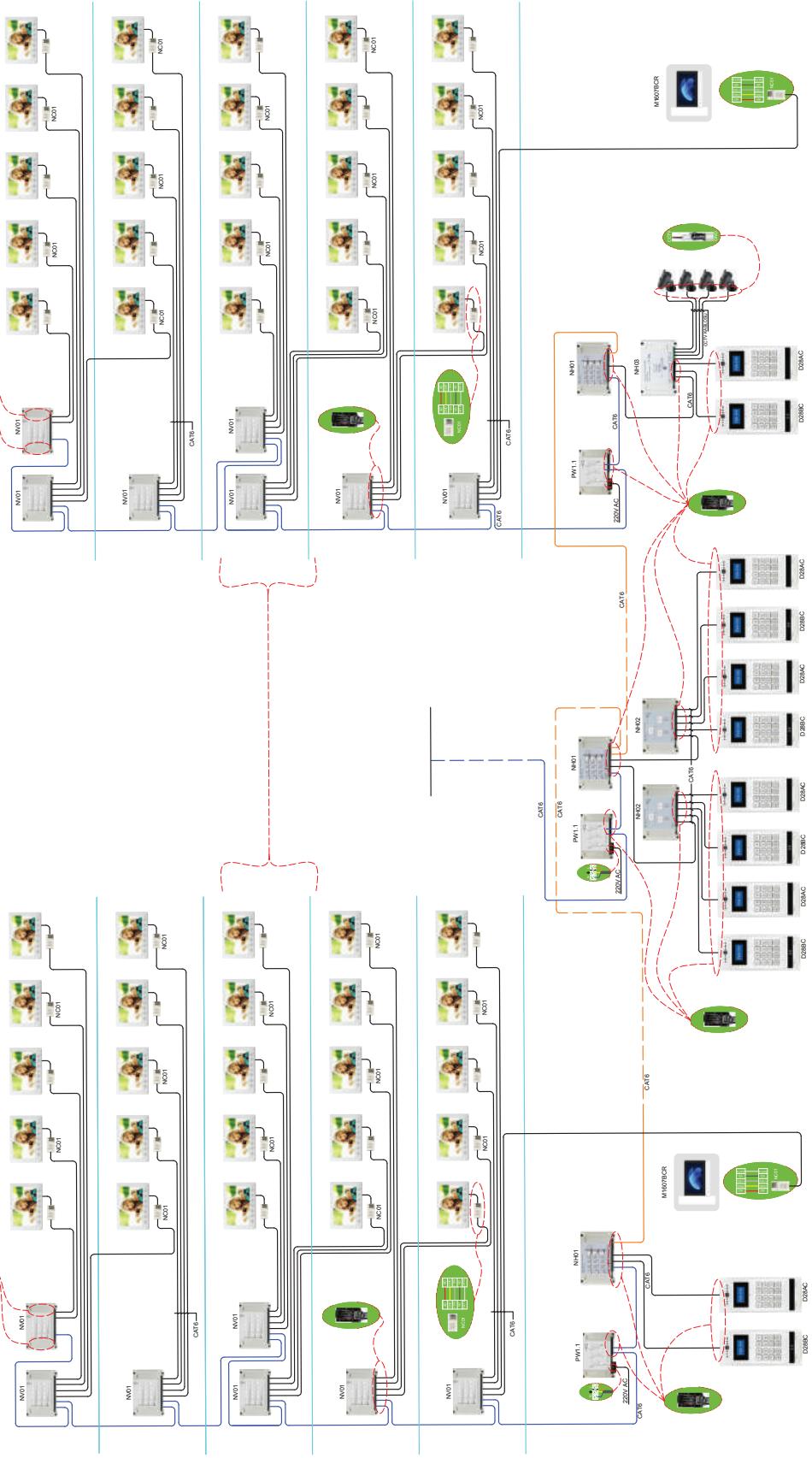
PW01.1 Power Supply Difference

- The power supply capacity is provided in the table below.
- If the capacity is exceeded, the PW01.1 product should be added additionally.

CABLE TYPE	MAX MONITOR
CAT5 - CAT6	20 Monitor

V-BUS 9 SYSTEM CONNECTION DIAGRAM

The SW1 switches under the covers of the last NV01 unit must be in the 'ON' position.



The SW1 switches under the covers of the last NV01 unit must be in the 'ON' position.

VILLA SET

INTERCOM
SYSTEMS

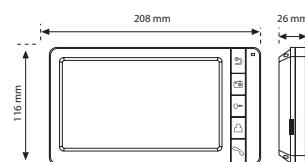
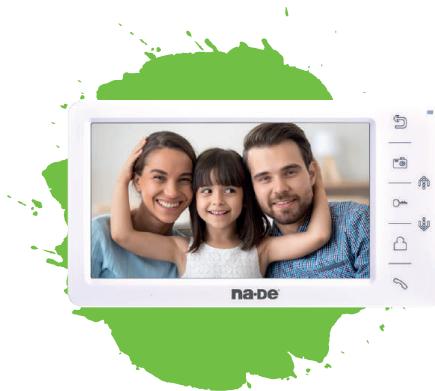
na•De®



VIDEO & AUDIO
INTERCOM SYSTEMS

0704EBM

7" HIGH RESOLUTION LCD SCREEN



VILLA SET

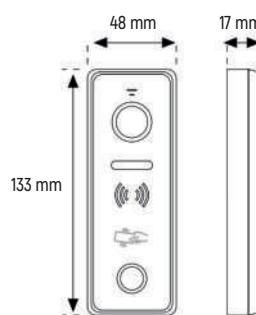
Used together with the TPAPV35-15 power supply.

0704EBM

- 7" high-resolution LCD screen
- Handsfree speaking feature
- User-friendly interface
- Ability to communicate between monitors
- Door automation control
- Ability to view the outdoor door and selected CCTV cameras
- Adjustable brightness, contrast, color, and sound options
- Do not disturb feature
- Option to connect an additional monitor
- Option to connect an additional panel

05104EBM-K B.

Color Doorbell Panel with Camera RF-ID



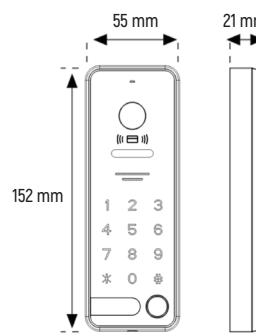
05104EBM-K B. (PANEL)

- 1080P (720P/CVBS Mode Switchable)
- LED-Illuminated Night Vision
- 110° Viewing Angle
- Suitable for Outdoor Use
- Surface-Mount Installation
- Stainless Steel Metal Components
- Front Panel Made of Stainless Steel
- Lock Control Support System
- Card Access Lock Opening Feature



05104EBM-KS B. & 05104EBM-KS S.

Color Doorbell Panel with Camera RF-ID



05104EBM-KS S. & 05104EBM-KS B.

- 1080P (720P/CVBS Mode Switchable)
- LED-Illuminated Night Vision
- 110° Viewing Angle
- Suitable for Outdoor Use
- Surface-Mount Installation
- Stainless Steel Metal Components
- Front Panel Made of Stainless Steel
- Lock Control Support System
- Card Access Lock Opening Feature
- Password Lock Opening Feature



N V I S

INTERCOM
SYSTEMS

na·DE[®]



VIDEO & AUDIO
INTERCOM SYSTEMS

NVIS – AUDIO INTERCOM



N2901ADT in-apartment telephone

- Economical phone unit for unwanted apartments with video
- Up to 127 apartments can be activated
- Active ringer feature even if the handset is left off-hook
- Door automation feature
- Ringer volume adjustment
- Digital addressing compatible dip switch structure
- Secret conversation feature
- Easy installation and cable connection
- 4+2 wired connection



N2902ADT in-apartment telephone

COMMUNICATION with DOORMAN

- Economical phone unit for unwanted apartments with video
- Up to 127 apartments can be activated
- Active ringer feature even if the handset is left off-hook
- Door automation feature
- Ringer volume adjustment
- Digital addressing compatible dip switch structure
- Secret conversation feature
- Easy installation and cable connection
- 4+2 wired connection



D29AC NVIS

AUDIO DOORBELL PANEL



- Easy to use with a 2x16 character screen
- Maximum 127 apartments can be activated
- No central system, coaxial cables, or doorbell return; only DT-8 or Cat-6 with 4+2 cable connection
- Password-protected door opening
- Backlit buttons according to light intensity
- Optional 5 different language options
- Aluminum alloy die-cast panel
- Communication with the doorman



D29BC NVIS

AUDIO DOORBELL PANEL

- Easy to use with a 2x16 character screen
- Maximum 127 apartments can be activated
- No central system, coaxial cables, or doorbell return; only DT-8 or Cat-6 with 4+2 cable connection
- Door opening via password or RF-ID card
- Backlit buttons according to light intensity
- Optional 5 different language options
- Aluminum alloy die-cast panel
- Communication with the doorman

UP TO 4 APARTMENTS

ECONOMICAL SETS



TELEPHONE VILLA SETS (4+n)

CODE	PRODUCT FEATURES
90028	Villa set 1 (for 1 apartments)
90029	Villa set 2 (for 2 apartments)
90030	Villa set 3 (for 3 apartments)
90031	Villa set 4 (for 4 apartments)

- Sold in packages of up to 4 apartments
- With a single button, the doorbell rings simultaneously for 4 apartments
- 4+n cable infrastructure



UP TO 4 APARTMENTS

ECONOMICAL SETS



- Sold in packages of up to 4 apartments
- With a single button, the doorbell rings simultaneously for 4 apartments
- 4+n cable infrastructure

TELEPHONE VILLA SETS (4+n)

CODE	PRODUCT FEATURES
NDTES 01	4+n Non-Private Phone 1-Unit ECO Set
NDTES 02	4+n Non-Private Phone 2-Unit ECO Set
NDTES 03	4+n Non-Private Phone 3-Unit ECO Set
NDTES 04	4+n Non-Private Phone 4-Unit ECO Set



UP TO 20 APARTMENTS
ECONOMICAL SETS



PHONE ECONOMIC SETS (4+n)

CODE	PRODUCT FEATURES
TES 01	Phone economical set (for 1 apartment)
TES 02	Phone economical set (for 2 apartment)
TES 03	Phone economical set (for 3 apartment)
TES 04	Phone economical set (for 4 apartment)
TES 05	Phone economical set (for 5 apartment)
TES 06	Phone economical set (for 6 apartment)
TES 07	Phone economical set (for 7 apartment)
TES 08	Phone economical set (for 8 apartment)
TES 09	Phone economical set (for 9 apartment)
TES 10	Phone economical set (for 10 apartment)

CODE	PRODUCT FEATURES
TES 11	Phone economical set (for 11 apartment)
TES 12	Phone economical set (for 12 apartment)
TES 13	Phone economical set (for 13 apartment)
TES 14	Phone economical set (for 14 apartment)
TES 15	Phone economical set (for 15 apartment)
TES 16	Phone economical set (for 16 apartment)
TES 17	Phone economical set (for 17 apartment)
TES 18	Phone economical set (for 18 apartment)
TES 19	Phone economical set (for 19 apartment)
TES 20	Phone economical set (for 20 apartment)



50040

APARTMENT-TYPE INTERCOM STATION



- Door lock control
- Two different doorbell sound options
- Communication with doorman
- Short circuit protection
- Built-in power supply
- DIN rail mounting



50010

DOOR INTERCOM SYSTEMS

- Private conversation with the door panel
- Door lock control



12V / 4VA AC DOORBELL TRANSFORMERS



01004

Short Circuit Protection



Operating Voltage: 230-260V 50/60Hz
Product Dimension: Din 3
Output: V/A
Short Circuit Prot: PTC

MADE IN
TÜRKİYE

Operating Temp.: -20°C ~ +40°C
Ingress Protection: IP 20
Box Dimension: 30 x 26.5 x 16.60

15V / 15VA DOORBELL TRANSFORMERS



01002

Short Circuit Protection



TS EN 61558-2-8
Operating Voltage: 230-260V 50/60Hz
Product Dimension: Din 4
Output: V/A
Short Circuit Prot: PTC

MADE IN
TÜRKİYE

Operating Temp.: -20°C ~ +40°C
Ingress Protection: IP 20
Box Dimension: 30 x 26.5 x 16.60

24V / 15VA DOORBELL TRANSFORMER

01003

Short Circuit Protection



TS EN 61558-2-8
Operating Voltage: 230-260V 50/60Hz
Product Dimension: Din 4
Output: V/A
Short Circuit Prot: PTC

MADE IN
TÜRKİYE

Operating Temp.: -20°C ~ +40°C
Ingress Protection: IP 20
Box Dimension: 18 kg 20 pcs

ALUMINUM DOORBELL BUTTONS

07001



07002



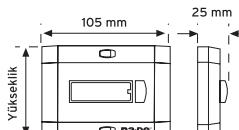
07003



07004



07005



HEIGHT TABLE

07001	80 mm
07002	105 mm
07003	135 mm
07004	155 mm
07005	185 mm
07006	210 mm
07007	240 mm
07008	265 mm
07009	295 mm
07010	320 mm

07010

07009

07008

07007

07006



Operating Temp.: -20°C ~ +40°C
Ingress Protection: IP 20
Box Dimension: II Class



APARTMENT TYPE SINGLE BUTTON INTERCOM DOOR PANELS



WITH SPEAKER	
PRODUCT CODE	BUTTON PCS
HP01-208 mm	1
HP02-234 mm	2
HP03-261 mm	3
HP04-287 mm	4
HP05-313 mm	5
HP06-339 mm	6
HP07-365 mm	7
HP08-391 mm	8
HP09-418 mm	9
HP010-444 mm	10
HP011-470 mm	11
HP012-496 mm	12

WITHOUT SPEAKER	
PRODUCT CODE	BUTTON PCS
HS04-208 mm	4
HS05-234 mm	5
HS06-261 mm	6
HS07-287 mm	7
HS08-313 mm	8
HS09-339 mm	9
HS010-365 mm	10
HS011-391 mm	11
HS012-418 mm	12
HS013-444 mm	13
HS014-470 mm	14
HS015-496 mm	15



APARTMENT-TYPE DOUBLE BUTTON INTERCOM BELL PANELS



WITH SPEAKER	
PRODUCT CODE	BUTTON PCS
HPÇ02-208 mm	2
HPÇ04-234 mm	4
HPÇ06-261 mm	6
HPÇ08-287 mm	8
HPÇ10-313 mm	10
HPÇ12-339 mm	12
HPÇ14-365 mm	14
HPÇ16-391 mm	16
HPÇ18-418 mm	18
HPÇ20-444 mm	20
HPÇ22-470 mm	22
HPÇ24-496 mm	22

WITHOUT SPEAKER	
PRODUCT CODE	BUTTON PCS
HSÇ08-208 mm	8
HSÇ10-234 mm	10
HSÇ12-261 mm	12
HSÇ14-287 mm	14
HSÇ16-313 mm	16
HSÇ18-339 mm	18
HSÇ20-365 mm	20
HSÇ22-391 mm	22
HSÇ24-418 mm	24
HSÇ26-444 mm	26
HSÇ28-470 mm	28
HSÇ30-496 mm	30



INTERCOM SYSTEMS BELL PANEL ADDITIONAL ROW CREATION GUIDE

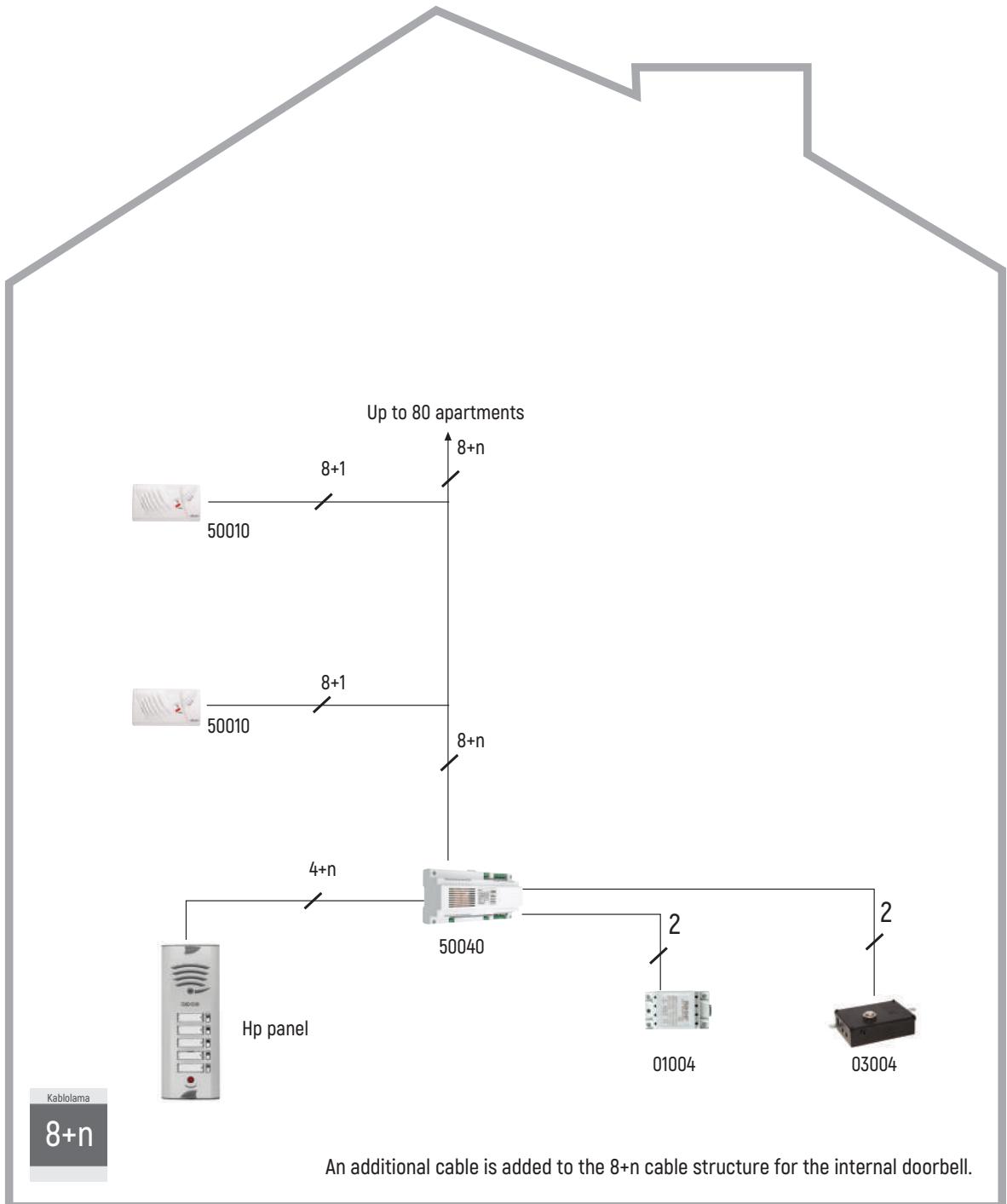
FOR SINGLE-BUTTON PANELS

NO OF APARTMENTS	1 st PANEL	2 nd PANEL	3 rd PANEL
1	HP01-208mm		
2	HP02-234mm		
3	HP03-261mm		
4	HP04-287mm		
5	HP05-313mm		
6	HP06-339mm		
7	HP07-365mm		
8	HP08-391mm		
9	HP09-418mm		
10	HP10-444mm		
11	HP11-470mm		
12	HP12-496mm		
13	HP05-313mm	HS08-313mm	
14	HP05-313mm	HS09-313mm	
15	HP06-339mm	HS09-339mm	
16	HP06-339mm	HS10-339mm	
17	HP07-365mm	HS10-365mm	
18	HP07-365mm	HS11-365mm	
19	HP08-391mm	HS11-391mm	
20	HP08-391mm	HS12-391mm	
21	HP09-418mm	HS12-418mm	
22	HP09-418mm	HS13-418mm	
23	HP10-444mm	HS13-444mm	
24	HP10-444mm	HS14-444mm	
25	HP11-470mm	HS14-470mm	
26	HP11-470mm	HS15-470mm	
27	HP12-496mm	HS15-496mm	
28	HP12-496mm	HS16-496mm	
29	HP07-365mm	HS11-365mm	HS11-365mm
30	HP08-391mm	HS11-391mm	HS11-391mm
31	HP08-391mm	HS11-391mm	HS12-391mm
32	HP08-391mm	HS12-391mm	HS12-391mm
33	HP09-418mm	HS12-418mm	HS12-418mm
34	HP09-418mm	HS12-418mm	HS13-418mm
35	HP09-418mm	HS13-418mm	HS13-418mm
36	HP10-444mm	HS13-444mm	HS13-444mm
37	HP10-444mm	HS13-444mm	HS14-444mm
38	HP10-444mm	HS14-444mm	HS14-444mm
39	HP11-470mm	HS14-470mm	HS14-470mm
40	HP11-470mm	HS14-470mm	HS15-470mm
41	HP11-470mm	HS15-470mm	HS15-470mm
42	HP12-496mm	HS15-496mm	HS15-496mm
43	HP12-496mm	HS15-496mm	HS16-496mm
44	HP12-496mm	HS16-496mm	HS16-496mm

FOR DOUBLE-BUTTON PANELS

DAİRE SAYISI	1 st PANEL	2 nd PANEL	3 rd PANEL
2	HPÇ02-208mm		
4	HPÇ04-234mm		
6	HPÇ06-261mm		
8	HPÇ08-287mm		
10	HPÇ10-313mm		
12	HPÇ12-339mm		
14	HPÇ14-365mm		
16	HPÇ16-391mm		
18	HPÇ18-418mm		
20	HPÇ20-444mm		
22	HPÇ22-470mm		
24	HPÇ24-496mm		
26	HPÇ10-313mm	HSÇ16-313mm	
28	HPÇ10-313mm	HSÇ18-313mm	
30	HPÇ12-339mm	HSÇ18-339mm	
32	HPÇ12-339mm	HSÇ20-339mm	
34	HPÇ14-365mm	HSÇ20-365mm	
36	HPÇ14-365mm	HSÇ22-365mm	
38	HPÇ16-391mm	HSÇ22-391mm	
40	HPÇ16-391mm	HSÇ24-391mm	
42	HPÇ18-418mm	HSÇ24-418mm	
44	HPÇ20-444mm	HSÇ26-444mm	
46	HPÇ20-444mm	HSÇ28-444mm	
48	HPÇ20-444mm	HSÇ28-444mm	
50	HPÇ22-470mm	HSÇ28-470mm	
52	HPÇ22-470mm	HSÇ30-470mm	
54	HPÇ24-496mm	HSÇ30-496mm	
56	HPÇ24-496mm	HSÇ32-496mm	
58	HPÇ14-365mm	HSÇ22-365mm	HSÇ22-365mm
60	HPÇ16-391mm	HSÇ22-391mm	HSÇ22-391mm
62	HPÇ16-391mm	HSÇ22-391mm	HSÇ24-391mm
64	HPÇ16-391mm	HSÇ24-391mm	HSÇ24-391mm
66	HPÇ18-418mm	HSÇ24-418mm	HSÇ24-418mm
68	HPÇ18-418mm	HSÇ24-418mm	HSÇ26-418mm
70	HPÇ18-418mm	HSÇ26-418mm	HSÇ26-418mm
72	HPÇ20-444mm	HSÇ26-444mm	HSÇ26-444mm
74	HPÇ20-444mm	HSÇ26-444mm	HSÇ28-444mm
76	HPÇ20-444mm	HSÇ28-444mm	HSÇ28-444mm
78	HPÇ22-470mm	HSÇ28-470mm	HSÇ28-470mm
80	HPÇ22-470mm	HSÇ28-470mm	HSÇ30-470mm
82	HPÇ22-470mm	HSÇ30-470mm	HSÇ30-470mm
84	HPÇ24-496mm	HSÇ30-496mm	HSÇ30-496mm
86	HPÇ24-496mm	HSÇ30-496mm	HSÇ32-496mm
88	HPÇ24-496mm	HSÇ32-496mm	HSÇ32-496mm

BLOCK DIAGRAM OF APARTMENT-TYPE INTERCOM SYSTEM



FIRE DETECTION & WARNING SYSTEMS



FIRE DETECTION &
WARNING SYSTEMS

na·De[®]

ADDRESSABLE FIRE ALARM PANELS

7000M SERIES

7000M+_NADE 2x32 FIRE ALARM PANEL

- 2 loops
- $2 \times 210 = 420$ address capacity
- Expandable up to 10 loops
- 1023 zone capacity
- 99999 event archive
- 64 zone LED indicator
- Stainless metal case
- Fully modular structure
- Expandable internal siren outputs
- Expandable internal contact output
- Expandable user-powered outputs
- CAN 2.0b connection support
- RS485 connection support
- BMS connection support
- Ethernet LAN connection support



NEW

New Case

7000M-R_NADE REPEATER PANEL

- Repeater panel



NEW

New Case

7000MSTANDART_NADE FIRE ALARM PANEL

- Expandable up to 2-4 loops
- 210 address capacity per loop
- 1023 zone capacity
- 99999 event log capacity
- Stainless steel enclosure
- Fully modular structure
- Expandable internal sounder outputs
- Expandable internal relay outputs
- Expandable energy outputs for the user
- CAN 2.0b connection support
- RS485 connection support
- BMS connection support
- Ethernet LAN connection support



NEW

7000M-P_NADE 32 ZONE FIRE ALARM PRINTER PANEL

- 2 Loops
- $2 \times 210 = 420$ address capacity
- Expandable up to 10 loops
- Built-in thermal printer
- 1023 zone capacity
- 99999 event archive
- 32 zone LED Indicator
- Stainless metal case
- Fully modular structure
- Expandable internal siren outputs
- Expandable internal contact output
- Expandable user-powered outputs
- CAN 2.0b connection support
- RS485 connection support
- BMS connection support
- Ethernet LAN connection support



NEW

7000M-L_NADE 2x32 ZONE DISPLAY PANEL

- Repeater zone LED panel



NEW

7000M LC_NADE LOOP CARD 2 LOOP 420 ADDRESS

- 2 Loop line capacity
- $2 \times 210 = 420$ address capacity
- DIN rail mounting ease
- Up to 5 units (10 loops) can be installed on the panel



7000M BIO_NADE 7000M BIO MODULE

- DIN rail mounting ease
- CAN 2.0b connection support
- RS485 connection support
- BMS connection support
- Ethernet LAN connection support



7000M BC_NADE 7000M BASIC MODULE

- DIN rail mounting convenience
- Mandatory module for 7000M panels
- Mounted next to the PSU as the first module
- RS485 connection support
- BMS connection support
- Ethernet LAN connection support



7000M SERIES ADDRESSABLE FIRE DETECTORS

FD7120M_NADE RATE OF RISE HEAT DETECTOR

- Fixed temperature and rate-of-rise heat detector
- With built-in isolator



FD7160M_NADE COMBINED DETECTOR

- Logical processing capability in heat and smoke detection sections
- With built-in isolator



FD7130M_NADE OPTICAL SMOKE DETECTOR

- Optical smoke detector
- With built-in isolator



FD7150M_NADE MANUAL CALL POINT

- With built-in isolator
- Resettable



7000M SERIES GENERAL FEATURES OF ADDRESSABLE FIRE ALARM PANELS

- 210 address capacity per loop
- Expandable up to 10 loops
- Total panel address capacity of 2100
- Fully modular structure
- Optional thermal printer
- Sequential automatic addressing via the panel
- Zone LED indicators
- Compliance with EN 54-2 and EN 54-4 standards
- Network compatibility with 7000M series addressable panels
- Real-time clock
- Turkish and English menu
- Input/output modules that can be connected to the panel loop

- Day/Night mode
- Panel test mode
- Manufactured with surface mounting technology
- Protection against electromagnetic interference
- Continuous monitoring for fire and fault conditions (short circuits, line breaks, etc.)
- Automatic detection of device type and parameters in the loop
- Detection of devices removed from the loop
- Bidirectional communication between the panel and devices on the loop
- Two-stage fire condition, with individually programmable delay for each zone
- Countdown timer on the display to track alarm waiting time
- Distinguishable tone for internal buzzer in fire condition
- Distinguishable tone for internal buzzer in fault condition

ADDRESSABLE FIRE DETECTORS

7000M SERIES

7205M_NADE DETECTOR BASE

- Does not receive address from the system
- Can be included in cause-and-effect scenarios when used with the 7000M Series
- Can be activated with the detector it is connected to when used with the 7002 Series
- Receives operating power from the loop



FD7203M_NADE INPUT & OUTPUT MODULE

- Can be used as a siren module with external power
- Receives 1 address from the loop line
- 1 Input
- 1 Output
- With built-in isolator



FD71CNG NATURAL GAS DETECTOR

- Used for natural gas (methane) detection
- Complies with EN50194-4 standards
- Status information is displayed with LED and internal siren
- Requires external power supply (18-30 V DC)
- Triggering occurs when methane (CNG) gas level in the air reaches 5100 PPM and the environment's LE saturation reaches 10%



FD7206M_NADE SIREN & WARNING LIGHT

- Addressable siren and warning light
- Receives operating power from the loop line
- Can be included in cause-and-effect scenarios



FD7201M_NADE SYSTEM ADDRESSING ADAPTER

- Used to integrate into a conventional addressable system
- Powered by the loop line
- Receives 1 address from the loop line
- Information about field usage must be obtained
- 1 output
- With built-in isolator



DB7100 DETECTOR BASE

- Standard detector base



7000-1MC SERIES

HYBRID (ADDRESSABLE & CONVENTIONAL) INPUT OUTPUT MODULES

7000-1MC_NADE HYBRID FIRE DETECTION PANEL

- Addressable / Conventional
- Hybrid fire detection panel
- Max 150 addressable devices
- Max 40 conventional zone lines



7001-MC-BIO_NADE BIO MODULE

- DIN rail mounting ease
- 2 relay outputs
- 2 siren outputs
- 2 monitoring inputs
- 1 x 24V DC output



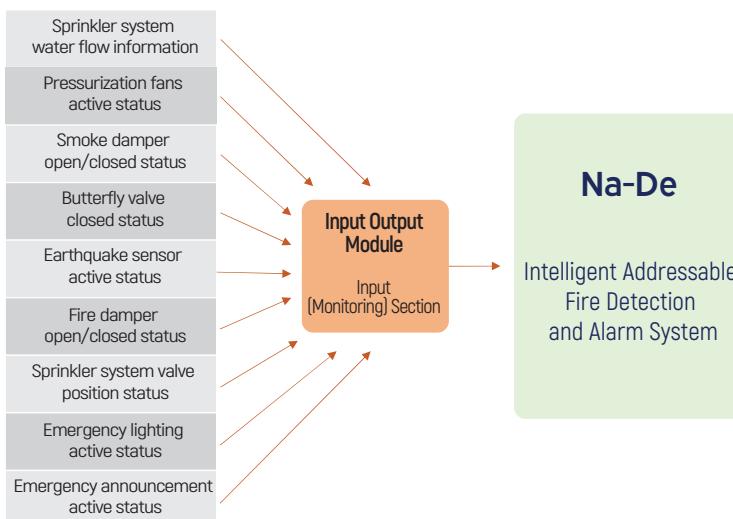
7001-MC-8CL_NADE ZONE CARD

- 8 conventional line output zone module



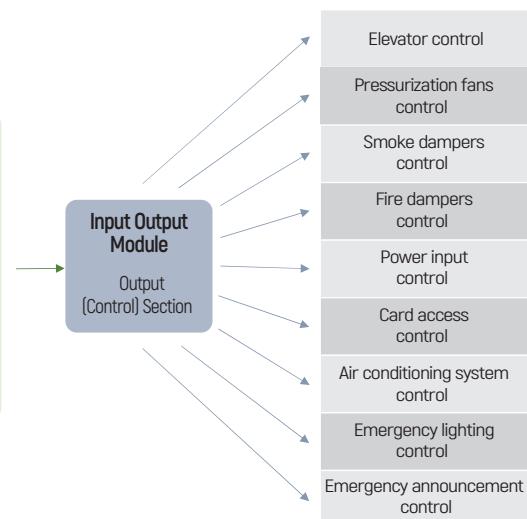
Examples of Monitoring Points

In the building's mechanical systems, fire-fighting equipment such as sprinkler lines and gas-based extinguishing systems are monitored through the input sections of entrance/exit modules and integrated into the fire detection system.



Examples of Control Points

Within fire automation, it is necessary to control points such as elevators, fans, card access systems, etc. The output sections of the input/output modules are used for this control process.



ADDRESSABLE FIRE ALARM PANELS

IFS7002 SERIES

IFS7002 INTERACTIVE FIRE CONTROL PANEL

- 1 loop
- 125 address capacity
- 1 fault output contact
- 1 fire output contact
- 1 adjustable output contact
- 1023 permanent archive memory slots
- 1 x CAN interface
- 1 x RS232 interface



IFS7002 INTERACTIVE FIRE CONTROL PANEL

- 2 loop
- 250 address capacity
- 1 fault output contact
- 1 fire output contact
- 1 adjustable output contact
- 1023 permanent archive memory slots
- 2 x CAN interfaces
- 1 x RS232 interface



IFS7002 INTERACTIVE FIRE CONTROL PANEL

- 4 loops
- 500 address capacity
- 500 zone capacity
- 1 fault output contact
- 1 fire output contact
- 1 adjustable output contact
- 2046 permanent archive memory slots
- 2 x CAN interfaces
- 1 x RS232 interface



GENERAL FEATURES OF ADDRESSABLE FIRE DETECTION PANELS IFS7000 SERIES

- Ease of use with a touch graphic LCD screen
- Multiple language options
- 125 address capacity per cycle
- Automatic addressing via the panel
- Compliance with EN 54-2 and EN 54-4 standards
- Network compatibility with IFS 7002 series addressable panels
- Real-time clock
- Turkish and English menu options
- Input/output modules connectable to the panel cycle
- Day/Night operating mode
- Panel test mode
- Manufactured with surface-mount technology
- Protection against electromagnetic interference

- Continuous monitoring for fire and fault conditions (e.g., short circuit, line break)
- Automatic detection of device type and parameters in the cycle
- Detection of devices removed from the cycle
- Two-way information exchange between the panel and devices on the cycle
- Two-stage fire condition with programmable time settings for each zone
- Countdown timer on screen to monitor alarm waiting time
- Distinctive internal buzzer tones for fire and fault conditions
- Network compatibility with the FS5200E fire extinguishing panel
- Graphical monitoring of the fire detection system via PC with "Na-De INTELLECT"

7000 SERIES ADDRESSABLE FIRE DETECTORS

FD7110 FIXED TEMPERATURE HEAT DETECTOR

- With built-in isolator



FD7120 RATE-OF-RISE HEAT DETECTOR

- Fixed temperature and rate-of-rise heat fire detector
- With built-in isolator



FD7130 OPTICAL SMOKE DETECTOR

- With built-in isolator



FD7160 COMBINED DETECTOR (OPTICAL SMOKE+HEAT)

- Logical processing capability in heat and smoke detection sections
- With built-in isolator



- Optical smoke detectors can be used in areas where the smoke effect of a fire is likely to be the priority, such as: offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.
- Heat detectors can be used in areas where the heat effect of a fire is more significant or in environments where smoke detectors are likely to cause frequent false alarms due to dust or steam, such as: kitchens, garages/parking lots, cold storage, laundries, factories, boiler rooms, ironing rooms, etc.
- Combined detectors (smoke and heat) are recommended in areas where the sequence of smoke and temperature effects during a fire may vary, such as: industrial facilities, areas containing wood, paper, textile-based materials, fuels, electrical rooms, data centers, workshops, electrical shafts, fabric cutting areas, film archives, mechanical rooms, etc.

FD7150 MANUAL CALL POINT

- With built-in isolator
- Resettable



FD71CNG NATURAL GAS DETECTOR

- Used for natural gas (methane) detection
- Status information is displayed with an LED and built-in siren
- Complies with EN50194-4 standards
- External power supply (18-30 V DC) is required
- Methane (CNG) gas level in the air triggers the detector when it reaches 5100 PPM and the environment's LE (Lower Explosion Limit) saturation reaches 10%



ADDRESSABLE INPUT OUTPUT MODULES 7000 SERIES

FD7203 10/16 INPUT & OUTPUT DEVICE

- 10 inputs
- 16 outputs
- Receives 1 address from the loop line
- External power supply



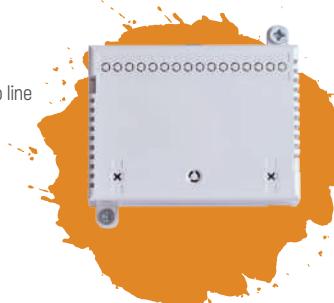
FD7203 3/6 INPUT & OUTPUT DEVICE

- 3 inputs
- 6 outputs
- Receives 1 address from the loop line
- External power supply



FD7203 INPUT & OUTPUT DEVICE

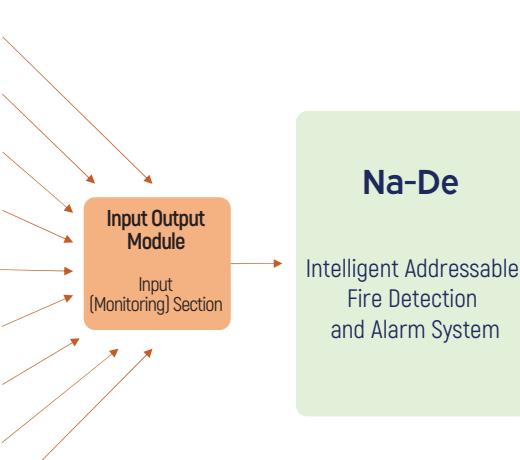
- 1 input
- 1 output
- Receives 1 address from the loop line
- Can be used as a siren module with external power supply



Examples of Monitoring Points

In the building's mechanical systems, fire-fighting equipment such as sprinkler lines and gas-based extinguishing systems are monitored through the input sections of entrance/exit modules and integrated into the fire detection system.

Sprinkler system water flow information
Pressurization fans active status
Smoke damper open/closed status
Butterfly valve closed status
Earthquake sensor active status
Fire damper open/closed status
Sprinkler system valve position status
Emergency lighting active status
Emergency announcement active status



Examples of Control Points

Within fire automation, it is necessary to control points such as elevators, fans, card access systems, etc. The output sections of the input/output modules are used for this control process.

Elevator control
Pressurization fans control
Smoke dampers control
Fire dampers control
Power input control
Card access control
Air conditioning system control
Emergency lighting control
Emergency announcement control

7000 SERIES ADDRESSABLE FIRE ALARM ACCESSORIES

FD7201SA_NADE ADAPTER WITH AUXILIARY SUPPLY & TWO ISOLATORS INCLUDED

- Conventional system addressing adapter
- External power supply



FD7201S ADAPTER WITH BUILT-IN FIRE DETECTOR

- Conventional system addressing adapter
- Used with DB 7100A
- Can connect 5 units to the loop line



In addressable fire detection systems, conventionally installed detectors and buttons, placed regionally, can be integrated into the addressable system through addressing modules.

DB7100 DETECTOR BASE

- Standard detector base



FD7204M SIREN & WARNING LIGHT

- Addressable siren and warning Light
- Receives operating power from the loop line
- Used in cause-and-effect scenarios



In fire detection systems, addressable sirens, which do not require separate wiring for the siren, can be included in cause-and-effect scenarios, and receive their operating power from the cycle line, are widely used in areas such as hotel rooms.

YKB02A

- Duck-type smoke detector
- Addressable smoke detector
- Remote LED indicator
- Detects smoke presence in pipes or ventilation sections



7205M

- Does not receive an address from the system.
- Can be included in cause-and-effect scenarios when used with the 7000M Series.
- Can be activated along with the connected detector when used with the 7002 Series.
- Draws operating power from the loop.



NEW

RS-LAN

- RS LAN Interface Module



RS 232/485

- RS 232/485 Interface Module



MODBUS RTU

- BMS Module



CONVENTIONAL FIRE ALARM SYSTEMS

FS4000 SERIES

Conventional System

In conventional systems, which are structurally and functionally simpler, detectors and call points are connected to the zone lines of the conventional fire alarm control panel. At the end of each zone line, an end-of-line resistor is installed to enable the control panel to monitor the zone line through this resistor. If a short circuit or open circuit fault occurs on the zone line, the control panel cannot detect the end-of-line resistor and alerts the user by signaling an error.

In case of a fire, the alarm resistor of the activated fire detector or fire alarm call point comes into play, causing a change in the equivalent resistance of the zone line. This change in resistance alters the current in the zone line. The conventional fire alarm control panel monitors this current change to detect and respond to the fire alarm.

Therefore, in conventional systems, the source of the fire is identified regionally. Up to 32 fire detection devices can be connected to each zone line.

Zone-based fire detection and alarm systems are economical solutions, suitable for places where access to the fire source is straightforward, and independent sections are few (e.g., low-rise buildings, open storage areas, small cafés and restaurants designed for entertainment and gatherings).

FS4000/2 CONVENTIONAL FIRE CONTROL ALARM PANEL (2 Zone)

FS4000/4 CONVENTIONAL FIRE CONTROL ALARM PANEL (4 Zone)

FS4000/8 CONVENTIONAL FIRE CONTROL ALARM PANEL (8 Zone)



GENERAL FEATURES OF CONVENTIONAL FIRE ALARM SYSTEMS

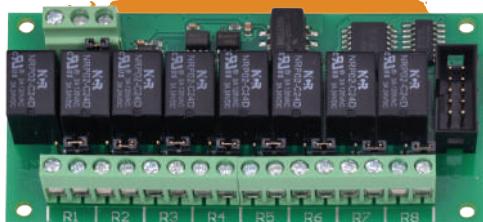
FS4000 SERIES

- Compliance with EN 54-2 and EN 54-4 standards
- Easy installation with LED display
- Optional additional fire relay output for each zone
- Assignable delay of 1 to 7 minutes to outputs
- Test mode and disablement option for each zone
- Compatibility with the FS5200R Conventional Repeater Panel
- Network capability for up to 15 panels with the repeater panel

- Ability to disable fire outputs
- Indication of siren fault, ground fault, mains fault, battery fault, etc.
- 2 fire relays
- 2 conventional siren outputs
- 1 fault relay output

FD4201 2/4/6/8 EXPANSION MODULE

- Conventional relay expansion module
- Relay outputs for 2/4/6/8 fire zones
- RS485 interface



FS5100 SERIES CONVENTIONAL FIRE ALARM SYSTEMS**FS5100 FIRE CONTROL PANEL**

- LCD display
- 2 fire zone inputs
- 2 siren outputs
- 2 fire relay outputs
- 1 fault relay output
- Expandable zone capacity with expansion modules
- Permanent archive memory
- 84 event log storage
- Compatibility with FS5200R Conventional Repeater Panel

**5101 EXTENSION MODULE**

- Control panel expansion module
- 3 fire zone inputs
- 3 fire relay outputs

**5102 EXTENSION MODULE**

- Expansion module for FS5100 Control Panel
- 6 fire zone inputs
- 3 fire relay outputs



CONVENTIONAL FIRE ALARM SYSTEMS

5100 SERIES

FS5200 FIRE CONTROL PANEL

- LCD display
- 8 fire zone inputs
- 1 siren output
- 2 fire relay outputs
- 1 fault relay output
- Expandable zone capacity with expansion modules
- Permanent archive memory
- Capability to include up to 256 events
- Compatibility with FS5200R Conventional Repeater Panel



FS5200R CONVENTIONAL REPEATER PANEL

- Fire extinguishing procedure control
- Repeats the fire extinguishing procedure
- Compatible with FS5000, FS5100, and FS4000 series panels



5201 EXTENSION MODULE

- Compatible with FS5200 Panel
- 8 Fire Zones



5202 EXTENSION MODULE

- Compatible with FS5200 panel
- 8 fire zones
- 1 siren output



5203 EXTENSION MODULE

- Compatible with FS5200 panel
- 8 fire zones



5204 EXTENSION MODULE

- Compatible with FS5200 panel
- 16 fire zones



CONVENTIONAL FIRE DETECTORS

FD8010 FIXED TEMPERATURE HEAT DETECTOR



FD8020 RATE OF RISE HEAT DETECTOR



FD8030 OPTICAL SMOKE FIRE DETECTOR



FD8060 COMBINED DETECTOR (OPTICAL SMOKE + HEAT)



· Optical smoke detectors can be used in areas where smoke may be the primary effect of a fire. For example: offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

· Heat detectors can be used in areas where heat may be the primary effect of a fire or where smoke detectors are likely to give frequent false alarms due to environmental conditions, such as very dusty or steamy areas. For example: kitchens, garages-parking lots, cold storage, laundries, tea rooms, factories, boiler rooms, ironing rooms, etc.

· In areas where both smoke and temperature effects may change in priority during a fire, the use of combined detectors (smoke and heat) is recommended. For example: industrial facilities, areas with materials such as wood, paper, textiles, or flammable substances like fuel, panel rooms, data processing centers, workshops, electrical shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD8040 OPTICAL FLAME FIRE DETECTOR

- Optical flame
- Fire detector



YKB02K DUCT SMOKE DETECTOR

- Pipe-Type smoke detector
- Conventional smoke detector
- With remote LED indicator
- Detects smoke presence in pipes or ventilation ducts



YKB02K: Used for smoke detection in ventilation ducts. The body of the unit is mounted on the outside of the air ducts. The smoke intake pipe enters the duct, and the air travels through the pipe to reach the detector. The air circulates and returns to the duct through the exhaust pipe. If smoke is present in the circulating air, an alarm is triggered.

FD8040: Detects the infrared radiation of flames, providing reliable early warning of fire situations. It can be used in areas where other types of fire detectors are not used.

CONVENTIONAL FIRE ALARM SYSTEMS

DB8000 STANDARD DETECTOR BASE

- Standard detector base



FD8204 INTERNAL SIREN

- 90dB
- 15-30V DC working voltage



FD3050 MANUAL CALL POINT

- 10-30VDC working voltage
- Resettable



SB 112F EXTERNAL SIREN

- 110db
- 24V DC



RI31 LED REMOTE INDICATOR & RI31S SOUND REMOTE INDICATOR

- 5-30VDC working voltage



7205 DETECTOR BASE WITH INTERNAL SIREN

- It becomes active with the detector it is connected to
- It receives its operating power from the zone line

NEW



CONVENTIONAL FIRE ALARM EQUIPMENTS

AKV01 BATTERY

- 12V / 4,5 Ah
- Compatible with conventional and 7002 series 1 loop addressable panels



AKV02 BATTERY

- 12V / 18Ah
- Compatible with 7002 series 2 and 4 loop addressable panels



INTELLECT SOFTWARE CD-8 LICENCE

- Fire alarm systems visualization interface
- Compatible with IFS7000 series addressable fire alarm systems
- Compatible with FS5100, FS5200 series conventional fire alarm systems



AW-BK901 REFLECTIVE BEAM TYPE DETECTOR

- AW-BK901 / 8-100MT beam detector



AKV03 BATTERY

- 12V / 26Ah
- Compatible with 7000M series addressable panels



TK TRANSPARENT PLASTIC COVER

- Plastic transparent cover for FD7150, FD7150M, and FD3050 series



POWER SUPPLY

- CYS-4024 24V/1.5A, up to 10 sirens can be connected
- CYS-9024 24V/3A, up to 25 sirens can be connected
- CYS-12024 24V/5A, up to 35 sirens can be connected
- CYS-18024 24V/7.5A, up to 50 sirens can be connected



CONVENTIONAL FIRE ALARM EQUIPMENTS

ECSI20 INTERNAL SIREN & WARNING LIGHT

- ECSI20
- Internal siren with single LED indicator
- 24 VDC



ESF24-FLŞ LED FLANGE

- ESF24-FLŞ
- Internal flashlight 24VDC



TD200 AUTOMATIC PHONE CALL MODULE

- TD200
- Automatic phone call module



DB8000R_NADE DETECTOR BASE

- Relay-contained detector base



FS5200P POWER SUPPLY

- Input Voltage: (187-253) V AC, 50Hz
- Maximum Consumption Capacity: 120VA
- Output Voltage: (17-28) V DC
- Output Current (within the main power supply): Up to 3.5A (continuous)
- Output Current (in case of main power supply failure and fully charged backup battery): Up to 3.5A / 2h
- Backup Battery: 2x12V DC / 7Ah



NYS1 NATURAL GAS DETECTOR

- NYS Natural gas detector 220V
- NYS1 Natural gas detector 12-24V



AC8001 SURFACE-MOUNTING BASE ACCESSORY

- AC8001 Flangeless surface-mounted installation bracket



AC8002 WET SURFACE-MOUNTING BASE ACCESSORY

- AC8002 Humid environment surface-mounted installation bracket



AC8001 SURFACE-MOUNTING BASE ACCESSORY

- AC8001 Flanged surface-mounted installation bracket
- AC8002 Flangless surface-mounted installation bracket

CARBONMONOXIDE DETECTOR

- FXDCO Carbonmonoxide detector (chargeable battery + electrical)
- FXDCO1 Carbonmonoxide detector (battery + electrical)

EARTHQUAKE SENSOR

- TAMYY2
- TAMYY3
- NOFIRE

FLOOD DETECTOR

- SBD-TOD-0590
- Water flood detector (contact output)

5200E SERIES CONVENTIONAL FIRE ALARM EQUIPMENTS

FS5200E FIRE EXTINGUISHING PANEL

- 3 Fire alarm lines
- 2 Fire suppression alarm lines
- 1 Alarm line without fire extinguishing control
- RS485 Interface



FD3050Y MANUAL RELEASE BUTTON

- Used for manual activation of extinguishing
- Compatible with FS5200E panel



FD3050B EMERGENCY STOP BUTTON

- Used for automatic activation of extinguishing
- Compatible with FS5200E panel



FD5301 FIRE EXTINGUISHING REPEATER PANEL

- Provides fire extinguishing procedure control
- Repeats fire extinguishing procedure
- Compatible with FS5200E panel



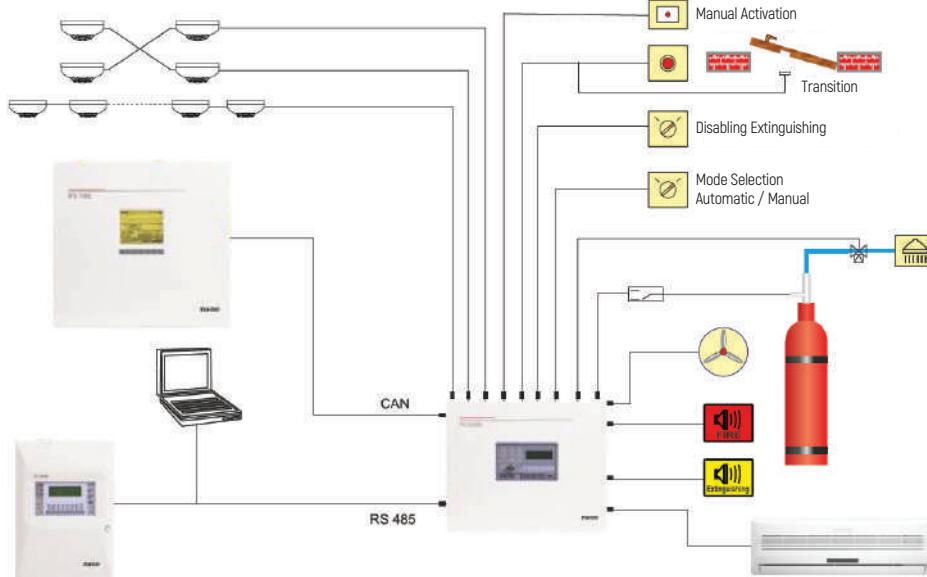
FD53050G EXTENSION RELEASE

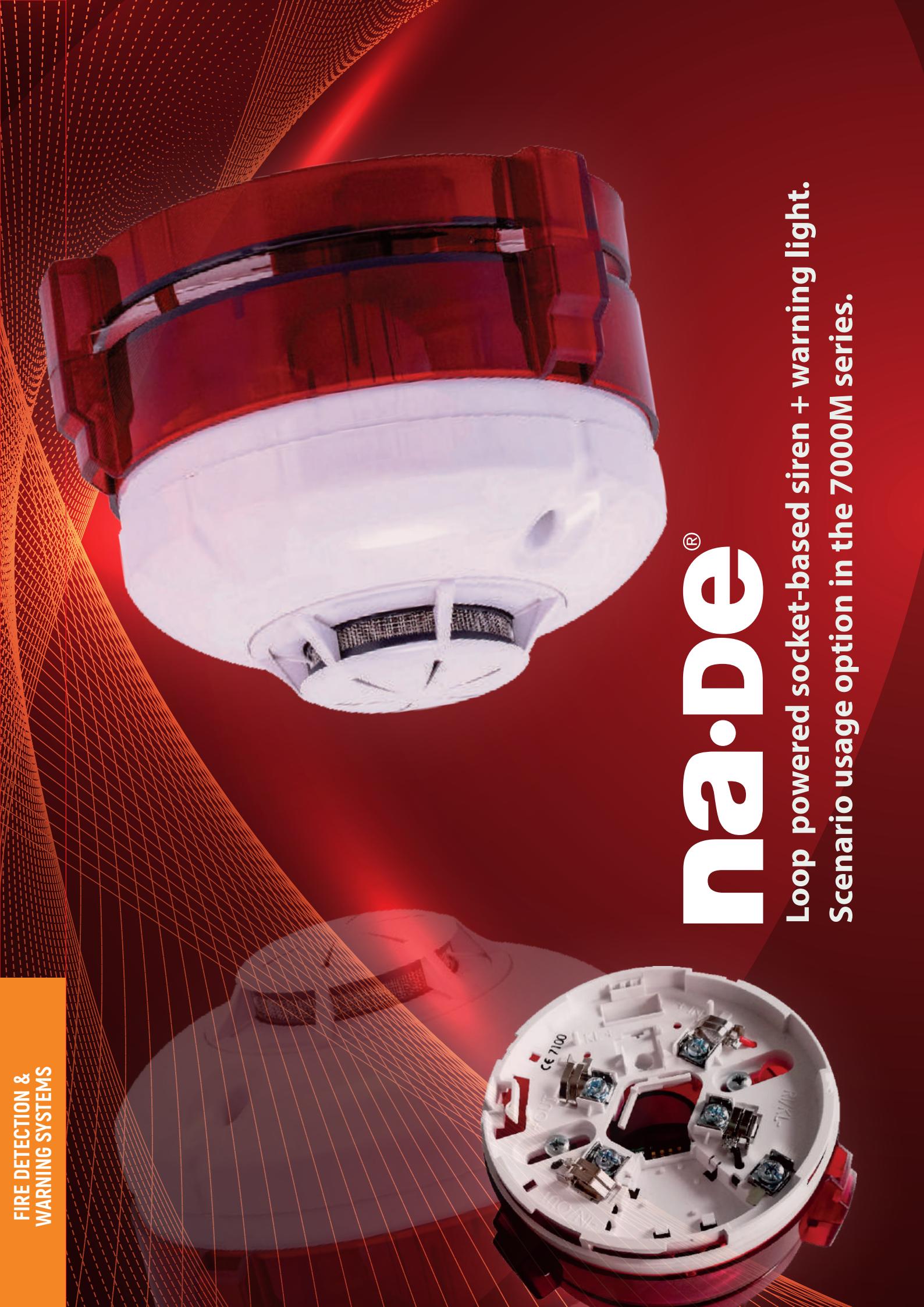
- Used to hold extinguishing
- Allows extension of evacuation time
- Compatible with FS5200E panel



FD5302 MODE SELECTOR KEY

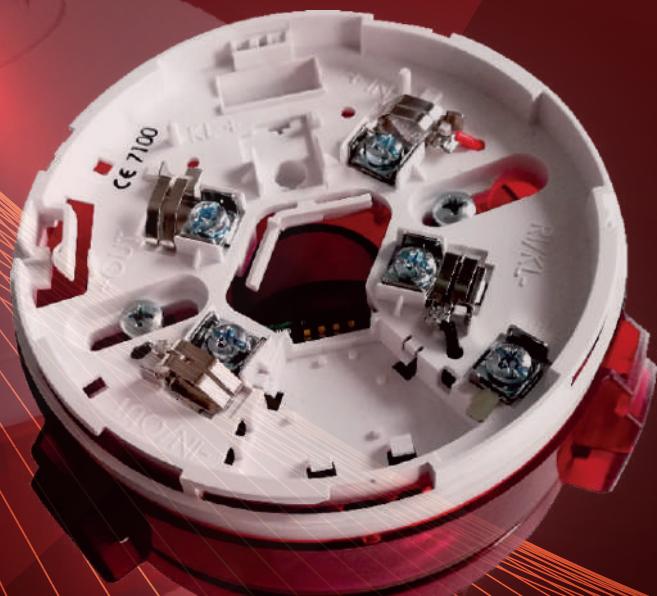
- Used for selecting the operating mode of the FS5200E panel





na. De[®]

Loop powered socket-based siren + warning light.
Scenario usage option in the 7000M series.





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SMART SOLUTIONS
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ANKARA BRANCH : 0312 395 03 69

