

na·De®

PRODUCT CATALOGUE

2022



VIDEO and AUDIO INTERCOM SYSTEMS

FIRE DETECTION and WARNING SYSTEMS

LIGHTING and EMERGENCY GUIDING SYSTEMS

SENSOR and SENSOR LIGHTING SYSTEMS

DMY
ELEKTRİK | OTOMASYON | AYDINLATMA

ALGA **SAVIO** **na·De**
OTOMASYON

na·De®

Na-De Elektronik, which has been operating in the building automation and building communication systems sector for more than 50 years, starting in the 70's, became the DMY Elektrik Otomasyon Aydınlatma A.Ş. continues to lead the sector with the Na-De brand under its roof. Combining modern production techniques with state-of-the-art production machines, Na-De carries out its production in its 8,000 m² factory located in Sancaktepe, Istanbul.

Na-De continued its activities under the name of DMY Elektronik Yatırımlar in 2015, at the same time, DMY Elektronik Yatırımlar incorporated Ancha Lighting in 2016 and ASSAN in 2018.

Afterwards, Na-De became a part of DMY Elektronik Otomasyon Aydınlatma AŞ in 2020.

Na-De has prioritized customer satisfaction, and strengthened its dialogues with its customers by participating in domestic and international fairs. Na-De, acting with the philosophy of total quality, owes its success to satisfied customers - happy employees, its continuous R&D studies, reasonable price level for the market, international quality certified by competent institutions, in short, adopting quality as a way of life.

Na-De is constantly advancing and developing with firm steps towards the future, leaving its competitors behind with unstoppable speed and energy. As a result of the quality policies it has followed and the activities it has carried out in the R&D center established in 2018, it renews itself and its production portfolio with the progress it has made in production techniques and modernization initiatives.

Na-De has gained a very assertive place in its sector with its current line. As a result of long-term studies that will carry out R&D activities in its laboratories equipped with all kinds of modern infrastructure and test devices, it added the first Motion Sensor and Motion Sensor Ceiling and Wall Mounted Lighting Fixtures, 100% Turkish good, to its new design product range and offered it to its customers. Na-De carries out its production with the latest technology machinery and equipment, and offers its products in compliance with national (TSE) and international standards (ISO 9001, CE, TUV GS) to the domestic and foreign market.

Our general mission as DMY Elektrik Otomasyon Aydınlatma; to save our customers from being dependent on companies that produce poor quality products at home and abroad, to have a say in foreign markets, to offer our customers qualified alternatives by producing our products with the latest technology.

To maintain and strengthen our leading position in the domestic market with the cooperation of our customers and employees by keeping up with the developing technology, to become the preferred brand in the globalizing world market, to try to realize the total quality philosophy in the best way at all management and application levels.




















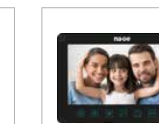











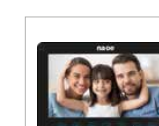

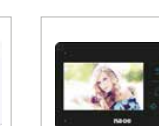










NA-DE Elektronik is a group firm which belongs to DMY Elektronik Yatırımlar.

www.dmyeoa.com.tr
























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INTERCOM SYSTEMS

 ND-IP S14 ND 471 7" LCD TOUCH SCREEN, COLOR DISPLAY, IP INTERCOM	 ND-IP S14 GU 471 INTERCOM SECURITY UNIT	 ND-IP S14 ND DJ4A ECONOMIC PARALLEL HANDSET	 ND-IP S14 ND 610 BUTTON WITH CAMERA	 ND-IP S15 ND 850 5" TOUCH SCREEN, WITH CAMERA, IP INTERCOM PANEL	 ND-IP S15 ND 821 MODULAR IP INTERCOM WITH PANEL	 ND-IP S15 PoE-4 SWITCH
 ND-IP S15 PoE-8 SWITCH	 ND-IP S16 ND 821 VM CAMERA MODULE	 ND-IP S16 ND 821-MD MECHANICAL KEY MODULE	 ND-IP S16 ND 821-ND DOT TYPE DISPLAY AND CARD READER MODULE	 ND-IP S16 ND 821-54 BUTTON MODULE	 ND-IP S16 ND 821 BB BLANK BLOCK	 ND-IP S16 ND 821-BT SINGLE BUTTON COVER
 ND-IP S17 ND-LIFT RELAY CONTROL MODULE (14) CONTACTS	 ND-IP S17 ND-RLC RELAY CONTROL MODULE (14) CONTACTS	 ND-IP S17 ND - 821F/2x1 ND - 821F/3x1 MODULE FRAME FRAME	 ND-IP S17 ND CAM ONVIF CAMERA	 V-8 S22 M2307ADT-8 MULTI SYSTEM 7" TFT-LCD COLOR VIDEO DOORPHONE	 V-8 S22 M2307ADT-8 S MULTI SYSTEM 7" TFT-LCD COLOR VIDEO DOORPHONE BLACK	 V-8 S22 M2804ADT-8 MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE
 V-8 S22 M2804ADT-8 S MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE	 V-8 S22 M2604ADT-8 MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE	 V-8 S23 D28AC DIGITAL DOORBELL CAMERA PANEL	 V-8 S23 D28AC S DIGITAL DOORBELL CAMERA PANEL BLACK	 V-8 S23 D28BC DIGITAL CAMERA PANEL WITH RF-ID CARD	 V-8 S23 D28BC S DIGITAL CAMERA PANEL BLACK RF-ID CARD	 V-8 S23 M1607BCR SECURITY PHONE COMPATIBLE WITH VIDEO DOORPHONE SYSTEMS
 V-8 S24 NV03 SPREADER	 V-8 S24 PW011 POWER SUPPLY	 V-BUS9 S26 M2307ADT MULTI SYSTEM 7" TFT-LCD COLOR VIDEO DOORPHONE	 V-BUS9 S26 M2307ADT S MULTI SYSTEM 7" TFT-LCD VIDEO DOORPHONE BLACK	 V-BUS9 S26 M2804ADT MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE	 V-BUS9 S26 M2804ADT S MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE	 V-BUS9 S26 D28AC DIGITAL DOORBELL CAMERA PANEL
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INTERCOM SYSTEMS

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FIRE DETECTION & WARNING SYSTEMS



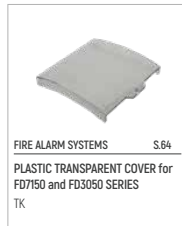
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FIRE DETECTION & WARNING SYSTEMS

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 <p>FIRE ALARM SYSTEMS S.56 ADDRESSABLE FIRE DETECTORS FD7130 OPTICAL SMOKE DETECTOR</p>	 <p>FIRE ALARM SYSTEMS S.56 ADDRESSABLE FIRE DETECTORS FD7160 COMBINED DETECTOR (OPTICAL SMOKE+HEAT)</p>	 <p>FIRE ALARM SYSTEMS S.56 ADDRESSABLE FIRE DETECTORS FD7150 FIRE ALARM BUTTON</p>	 <p>FIRE ALARM SYSTEMS S.56 ADDRESSABLE FIRE DETECTORS FD71CNG ADDRESSABLE GAS DETECTOR</p>	 <p>FIRE ALARM SYSTEMS S.57 ADDRESSABLE INPUT / OUTPUT MODULES - 7000 SERIE FD7203 10/16</p>	 <p>FIRE ALARM SYSTEMS S.57 ADDRESSABLE INPUT / OUTPUT MODULES - 7000 SERIE FD7203 3/6</p>
 <p>FIRE ALARM SYSTEMS S.57 ADDRESSABLE INPUT / OUTPUT MODULES - 7000 SERIE FD7203</p>	 <p>FIRE ALARM SYSTEMS S.58 ADDRESSABLE FIRE DETECTOR ADAPTER- 7000 SERIE FD7201SA</p>	 <p>FIRE ALARM SYSTEMS S.58 CONVENTIONAL SYSTEM ADDRESSING ADAPTOR FD7201S ADAPTOR</p>	 <p>FIRE ALARM SYSTEMS S.58 ADDRESSABLE FIRE DETECTOR ACCESSORIES DB7100 BASE</p>	 <p>FIRE ALARM SYSTEMS S.58 ADDRESSABLE SIREN FD7204 D SIREN</p>	 <p>FIRE ALARM SYSTEMS S.58 ADDRESSABLE PIPE TYPE DEDECTOR YK602A</p>
 <p>FIRE ALARM SYSTEMS S.58 RS LAN INTERFACE MODULE RS-LAN</p>	 <p>FIRE ALARM SYSTEMS S.58 RS 232/485 INTERFACE MODULE</p>	 <p>FIRE ALARM SYSTEMS S.58 MODBUS RTU INTERFACE MODULE</p>	 <p>FIRE ALARM SYSTEMS S.59 CONVENTIONAL FIRE ALARM SYSTEMS - 4000 SERIES FS4000/2 Z ZONE FIRE ALARM PANEL</p>	 <p>FIRE ALARM SYSTEMS S.59 CONVENTIONAL FIRE ALARM SYSTEMS - 4000 SERIES FS4000/4 Z ZONE FIRE ALARM PANEL</p>	 <p>FIRE ALARM SYSTEMS S.59 CONVENTIONAL FIRE ALARM SYSTEMS - 4000 SERIES FS4000/6 Z ZONE FIRE ALARM PANEL</p>
 <p>FIRE ALARM SYSTEMS S.59 CONVENTIONAL FIRE ALARM SYSTEMS - 4000 SERIES FS4000/8 Z ZONE FIRE ALARM PANEL</p>	 <p>FIRE ALARM SYSTEMS S.59 CONVENTIONAL FIRE ALARM SYSTEMS - 4000 SERIES FD4201/2/4/6/8 EXPANSION MODULE</p>	 <p>FIRE ALARM SYSTEMS S.60 CONVENTIONAL FIRE ALARM SYSTEMS - 5100 SERIES FS5100 2 ZONE FIRE ALARM PANEL</p>	 <p>FIRE ALARM SYSTEMS S.60 CONVENTIONAL FIRE ALARM SYSTEMS - 5100 SERIES 5101 EXPANSION MODULE</p>	 <p>FIRE ALARM SYSTEMS S.60 CONVENTIONAL FIRE ALARM SYSTEMS - 5100 SERIES 5102 EXPANSION MODULE</p>	 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS- 5200E SERIES FS5200 8 ZONE FIRE ALARM PANEL</p>
 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS FS5200R REPEATER PANEL</p>	 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS - 5200 SERIES 5201 EXPANSION MODULE + 8 ZONE</p>	 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS - 5200 SERIES 5202 EXPANSION MODULE +8ZONE +1 SIREN OUTPUT</p>	 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS - 5200 SERIES 5203 EXPANSION MODULE + 8 ZONE</p>	 <p>FIRE ALARM SYSTEMS S.61 CONVENTIONAL FIRE ALARM SYSTEMS - 5200 SERIES 5204 EXPANSION MODULE + 16 ZONE</p>	 <p>FIRE ALARM SYSTEMS S.62 CONVENTIONAL FIRE ALARM EQUIPMENTS FD8010 HEAT DEDECTOR</p>








































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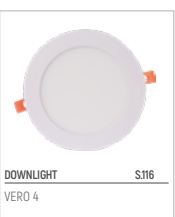
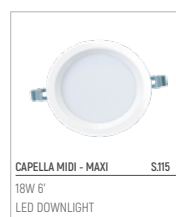
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LED LIGHTING SYSTEMS



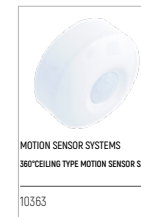
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SENSOR&SENSOR LIGHTING SYSTEMS



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SENSOR&SENSOR LIGHTING SYSTEMS





TBS-8CP Digital Camera Panel

- Connection only with DT-8 without switchboard, without coaxial and without bell return
- Ease of assembly with color to color connection
Talk to the doorman
- Angle adjustable 25° action camera (Basic and Concept Panels)



**NEW
PRODUCT**

IN TOUCH

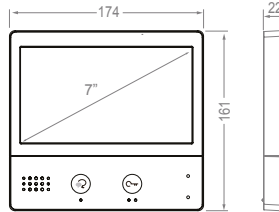


na·De[®]

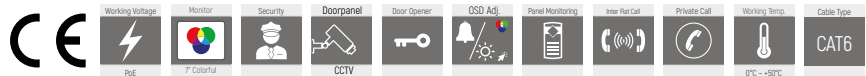
ND 471

IP 7" COLOR VIDEO INTERCOM

NEW PRODUCT



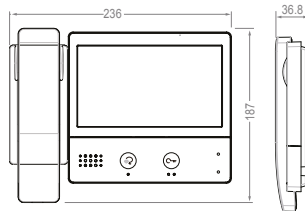
- 7" touch screen with high resolution LCD display
- Ability to set a ringtone according to the caller
- One-touch access to your favorite uses on the main screen
- Adjustable brightness, contrast, color and volume
- Door opener control
- Handsfree talking
- Do not disturb function
- Ability to save caller history with pictures or videos
- Supports up to 32 GB memory card
- Unlimited intercommunication between apartments
- Ability to communicate with security officers
- Option to connect additional monitor
- Redirection to a mobile phone in the event of an unanswered call
- Ability to view cameras in the system



GU 471

SECURITY PHONE

NEW PRODUCT



- 7-inch touch screen
- Redirection to a mobile phone in the event of an unanswered call
- Ability to set a ringtone according to the caller
- One-touch access to your favorite uses on the main screen
- Handset or Handsfree calling
- Ability to save caller history with pictures or videos
- Supports up to 32 GB memory card
- Ability to assign the camera that supports ONVIF software as its own camera
- Receive images from a camera that supports ONVIF software on the network
- Alternative use with wall mount or table top option



ND DJ4A

ECONOMIC PARALLEL HANDSET

NEW PRODUCT



- Answering the call
- Opening the door



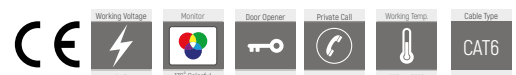
ND 610

SINGLE BELL BUTTON

NEW PRODUCT



- Aluminum surface
- Surface mounting
- 170 ° wide-angle fish-eye camera
- IP 54 external media usage

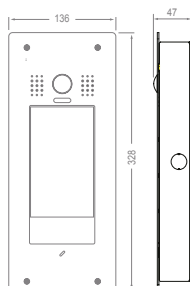


NEW PRODUCT

ND 850

5" TOUCHSCREEN DISPLAY IP VIDEO OUTDOOR STATION

- 5 inch TFT touch screen
- Fingerprint-proof stainless steel surface mounting options
- 170° wide-angle fish eye camera
- Access by RFID card reader or password options
- Easy to search with the contacts feature
- Communication with the security point
- Ability to make updates without entering the apartment menu
- IP65 protection class

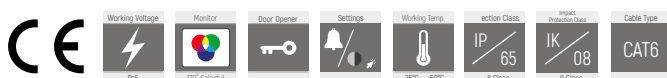
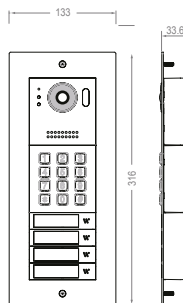


NEW PRODUCT

ND 821

IP VIDEO OUTDOOR STATION

- Custom designs can be made with the modular exterior door unit.
- Surface mount and flush mount mounting options
- 170 ° wide-angle fish-eye camera
- RFID card reader, classic bell button or password door entry options
- Communication with the security point



PoE-4

SWITCH

NEW PRODUCT



- 4 Port



PoE-8

SWITCH

NEW PRODUCT



- 8 Port



ND 821 VM

CAMERA MODULE



NEW PRODUCT

■ Basic Module

ND 821 -MD

MECHANICAL KEY MODULE



NEW PRODUCT

ND 821-NO

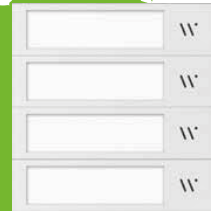
DOT TYPE SCREEN CARD READER MODULE



NEW PRODUCT

ND 821-54

TOUCH SCREEN RING BUTTON



NEW PRODUCT

ND 821 BB

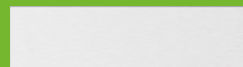
EMPTY BLOCK



NEW PRODUCT

ND 821- BT

BUTTON LID



NEW PRODUCT

ND - LIFT

ELEVATOR CONTROL MODULE (14 Contact)

NEW PRODUCT



ND - RLC

RELAY CONTROL MODULE (14 Contact)

NEW PRODUCT



ND - 821F/2x1

2 PIECES MODULE FRAME

NEW PRODUCT



ND - 821F/3x1

3 PIECES MODULE FRAME

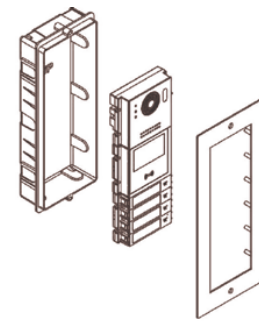
NEW PRODUCT



ND CAM

ONVIF CAMERA

NEW PRODUCT



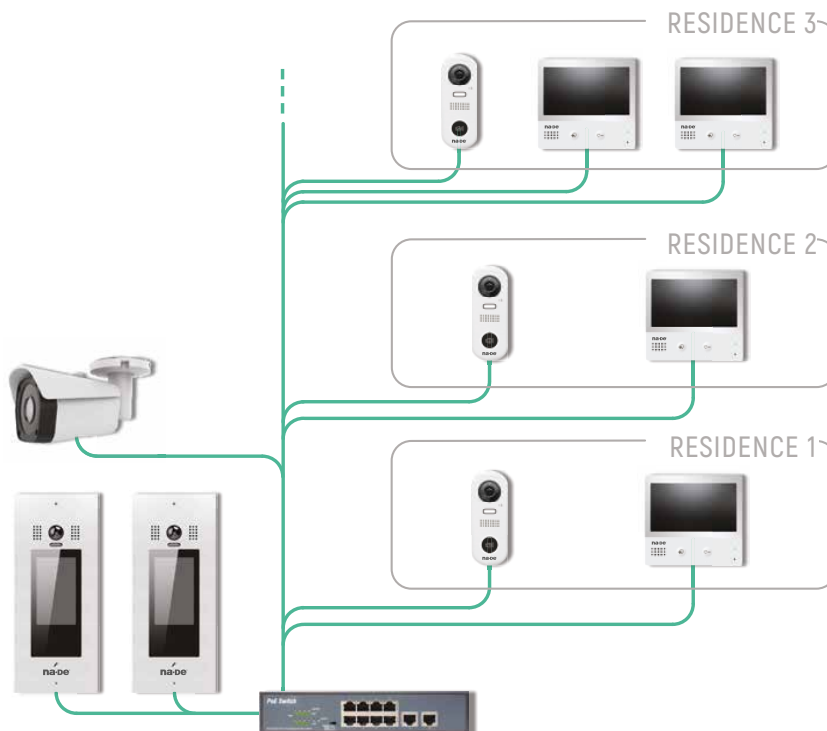
CONNECTION SCHEME FOR AN IP SYSTEM

Villa Connection System



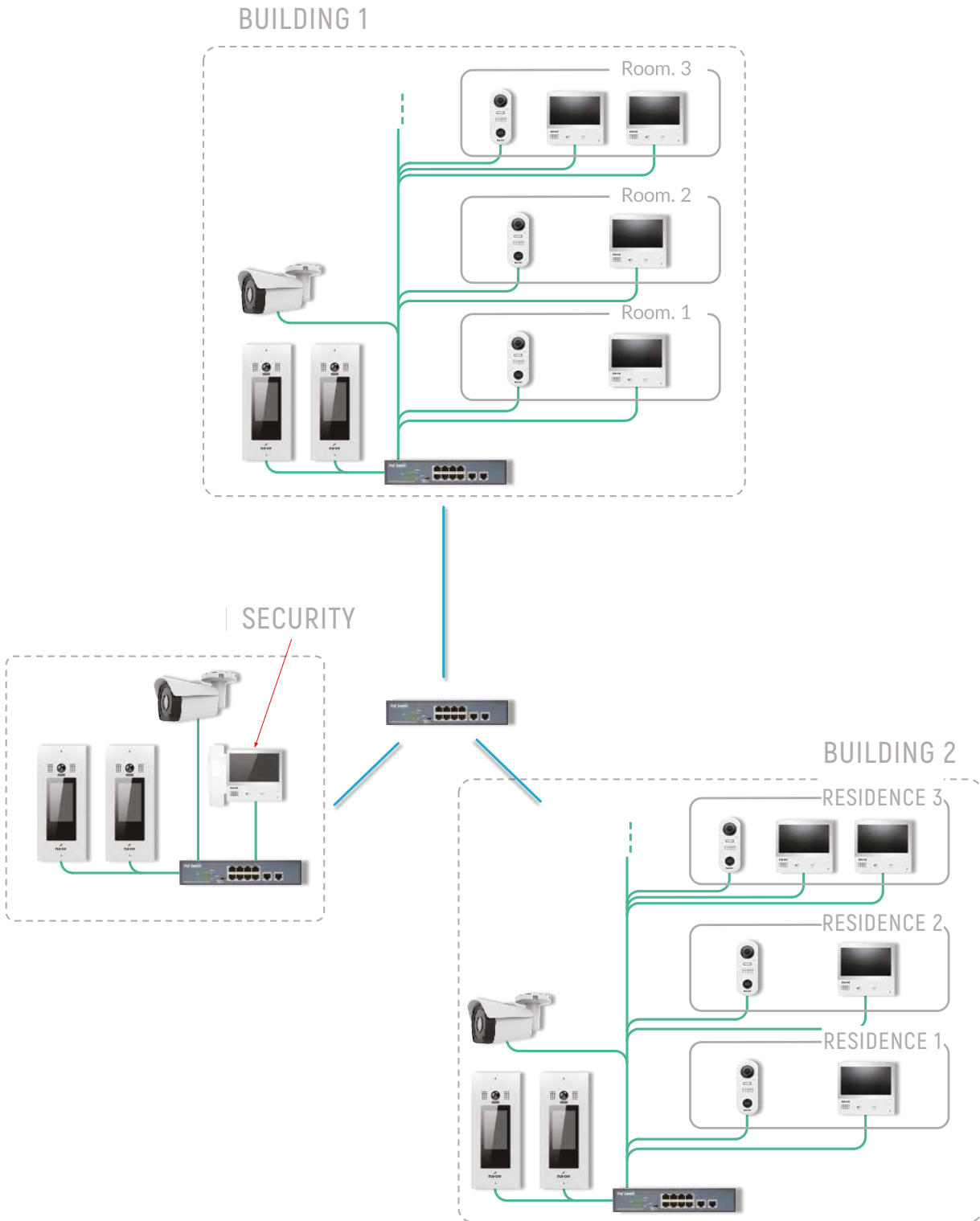
CONNECTION SCHEME FOR AN IP SYSTEM

Single Building Type Connection Principle Diagram

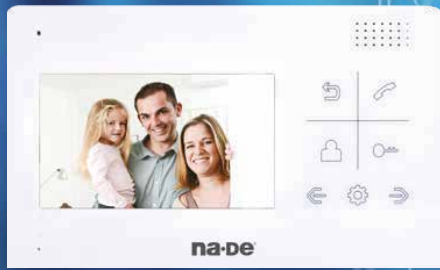
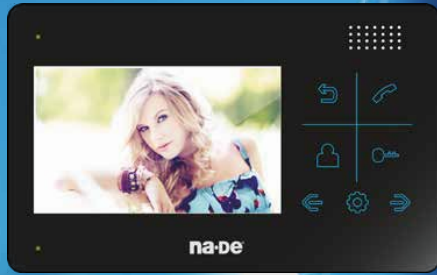


CONNECTION SCHEME FOR AN IP SYSTEM

Schematic for a Multi Building System



na-de®

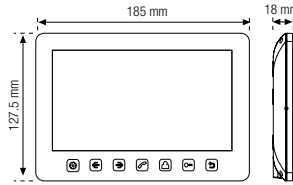




na·De® V-8 VIDEO INTERCOM SYSTEMS

M2307ADT-8 & M2307ADT-8 S

7" COLORFUL VIDEO INTERCOM

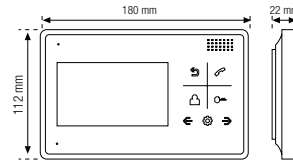
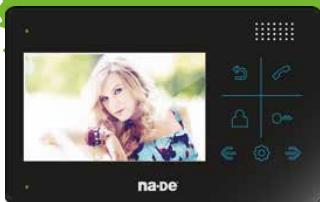
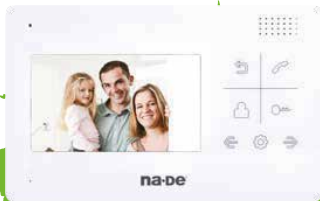


- 7" high resolution LCD display
- Touch sensitive keys with quick detection feature
- Hands-free speaking
- User friendly interface
- Ability to intercommunication between apartments
- Door automation control
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Communication with security officer feature
- Do not disturb function
- Option to connect additional monitor
- 12 polyphonic ringtones option
- Advanced OSD menu
- Optional different language options
- Black and white color options

NEW PRODUCT

M2804ADT-8 & M2804ADT-8 S

4,3" COLORFUL VIDEO INTERCOM

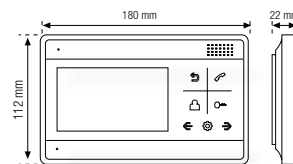


- 4,3" high resolution LCD display
- Touch sensitive keys with quick detection feature
- Hands-free speaking
- User friendly interface
- Ability to intercommunication between apartments
- Door automation control
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Communication with security officers feature
- Do not disturb feature
- Option to connect additional monitor
- 25 polyphonic ringtones option
- Advanced OSD menu
- Optional different language options
- Black and white color options

NEW PRODUCT

M2604ADT-8 4,3"

MULTI SYSTEM 4.3" TFT-LCD COLOR VIDEO DOORPHONE



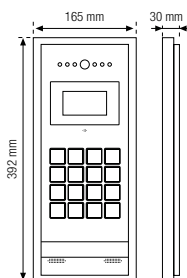
- 4,3" high resolution LCD display
- Touch sensitive keys with quick detection feature
- Hands-free speaking
- User friendly interface
- Ability to intercommunication between apartments
- Door automation control
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Communication with security officers feature
- Do not disturb feature
- Option to connect additional monitor
- 25 polyphonic ringtones option
- Advanced OSD menu
- Optional different language options
- Black and white color options

NEW PRODUCT

D28AC & D28AC S

DOORBELL PANEL with DIGITAL CAMERA

- Easy to use with graphic screen
- Buttons with backlight
- Aluminum alloy diecast panel
- Identifiable name registration and custom password creation for all apartments
- Ability to communicate with security, social facility and concierge
- Ability to communicate with the apartments in other buildings
- Light and dark color option



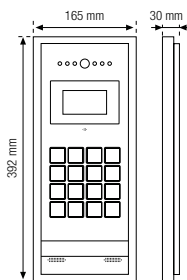
NEW PRODUCT



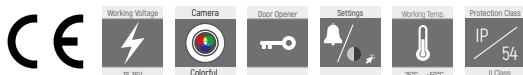
D28BC & D28BC S

DOORBELL PANEL with DIGITAL CAMERA & RF-ID CARD

- Key unlocking via RF-ID cards and screen password
- Easy to use with graphic screen
- Buttons with backlight
- Aluminum alloy diecast panel
- Identifiable name registration and custom password creation for all apartments
- Ability to communicate with security, social facility and doorman
- Ability to communicate with apartments in other buildings



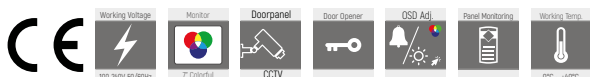
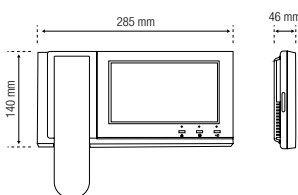
NEW PRODUCT



M1607BCR

SECURITY PHONE

- 7" high resolution LCD display
- User friendly interface
- Ability to interact with monitors within apartment
- Ability to leave automatic messages feature
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Recording audio, photos and videos
- Internal Memory/SD Card Recording Feature
- Playing music and displaying taken photos with advanced multimedia feature
- Ability to list and display the apartment residents
- Calendar and alarm setting feature
- Optional different language options



NV03

DISTRIBUTOR



- 6 line outputs, each of which feeds 50 apartments
- With a total capacity of 200 apartments
- 2 CCTV inputs
- Security phone connection input
- 2 panel inputs



PW011

POWER SUPPLY



- Output power: 90W
- Output voltage: 36V 2A (instantly 2.5A)
- Battery charge output: 27.6V / 0.5A

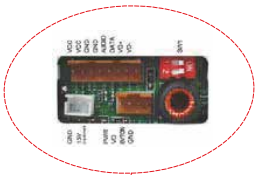


V-8 DESCRIPTION

- **** In V-8 systems, additional installation products should be given according to the explanations below.**
- It is recommended that the wiring infrastructure of the V-8 system be from flat to flat. If the shaft system is to be used, a maximum of 12 circles should be connected to the 1 column line.
- The doorman's phone may differ in preference. (M2307ADT-8 - M2804ADT-8)
- The distance between the security phone M1607BCR and the distributor should be more than 100m.
- The cable to be used in the security phone must be CAT6.
- When the security phone is added, the RJ-45 connection socket should be used.
- As the number of block increases, NH01 horizontal distributor should be used at this rate.
- **PW011 Power Supply Difference**
- The power supply capacity is given in the table below.
- If the capacity is exceeded, the PW011 product should be given additionally.

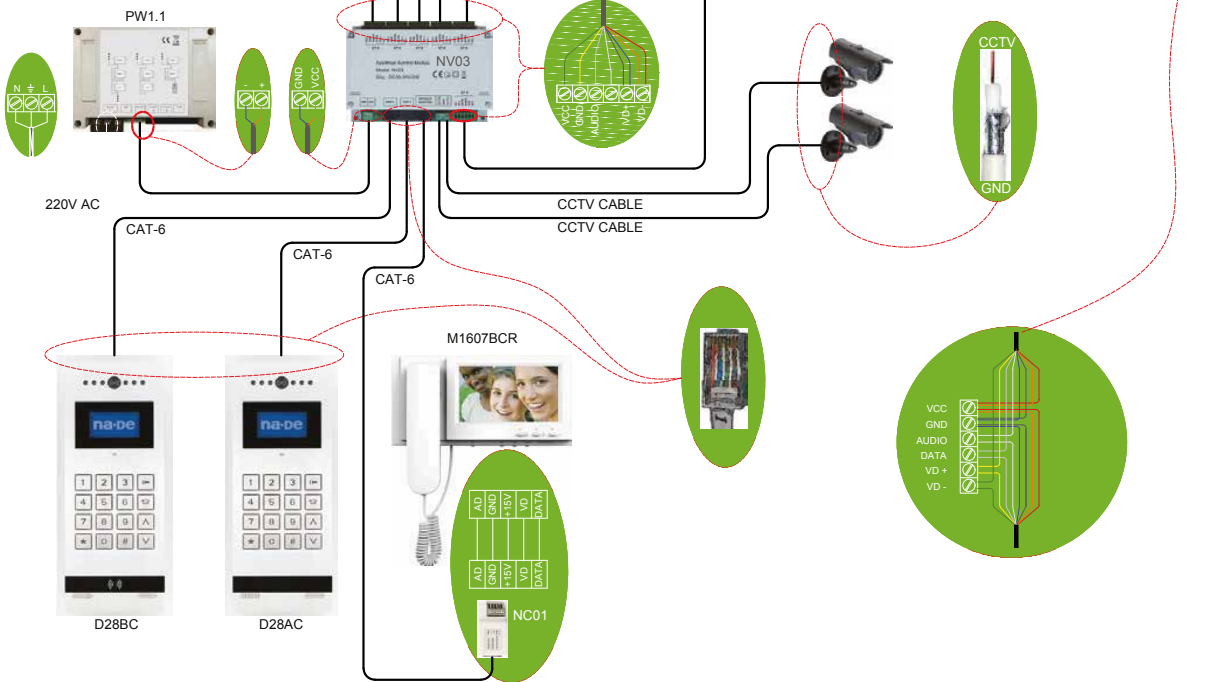
CABLE TYPE	MAX MONITOR
DT8 - CAT6	20 Monitor

V-8 SYSTEM WIRING DIAGRAM



Switches of the last flats must be position "ON".

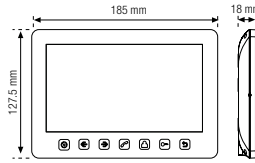
Switches of the last flats must be position "ON".



na·De® V-BUS9 VIDEO INTERCOM SYSTEMS

M2307ADT & M2307ADT S

7" COLOR VIDEO INTERCOM



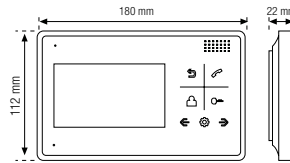
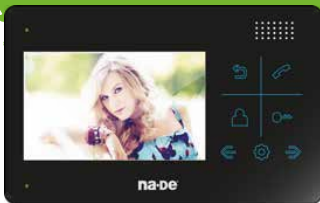
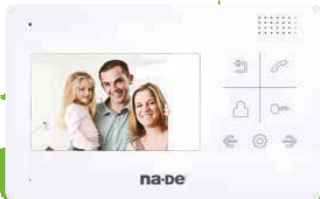
- 7" high resolution LCD display
- Touch keys with quick detection feature
- Handsfree talking
- User friendly interface
- Ability to intercommunication between apartments
- Door opener control
- Ability the view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Communication with security officers feature
- Do not disturb feature
- Option to connect additional monitor
- 12 polyphonic ringtones option
- Advanced OSD menu
- Optional different language options
- Black and white color options

NEW PRODUCT



M2804ADT & M2804ADT S

4,3" COLOR VIDEO INTERCOM



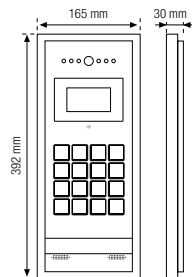
- 4,3" high resolution LCD display
- Touch keys with quick detection feature
- Handsfree talking
- User friendly interface
- Ability to intercommunication between apartments
- Door opener control
- Ability the view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Communication with security officers feature
- Do not disturb function
- Option to connect additional monitor
- 25 polyphonic ringtones option
- Advanced OSD menu
- Optional different language options
- Black and white color options

NEW PRODUCT



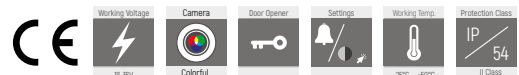
D28AC & D28AC S

DOORBELL PANEL with DIGITAL CAMERA



- Easy to use with graphic display
- Buttons with backlight
- Aluminum alloy diecast panel
- Identifiable name registration and custom password creation for all apartments
- Ability to communicate with security, social facility and concierge
- Ability to communicate with the apartments in other buildings
- Light and dark color option

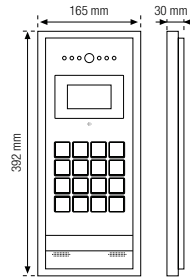
NEW PRODUCT



D28BC & D28BC S

DOORBELL PANEL with DIGITAL CAMERA & RF-ID CARD

- Key unlocking via RF-ID cards and screen password
- Easy to use with graphic screen
- Buttons with backlight
- Aluminum alloy diecast panel
- Identifiable name registration and custom password creation for all apartments
- Ability to communicate with security, social facility and concierge
- Ability to communicate with the apartments in other buildings
- Light and dark color option



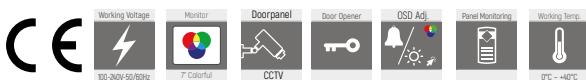
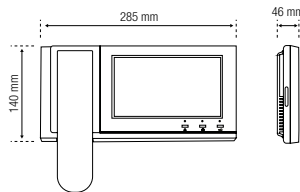
NEW PRODUCT



M1607BCR

SECURITY PHONE

- 7" high resolution LCD display
- User friendly interface
- Ability to intercommunication between apartments
- Automatic message feature
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- DVR function with motion detection feature
- Recording audio, photos and videos
- Internal Memory/SD Card Recording Feature
- Playing music and displaying taken photos with advanced multimedia feature
- Ability to list and display the apartment residents
- Calendar and alarm setting feature
- Optional different language options



NH01

HORIZONTAL DISTRIBUTOR



- Ability to connect cascades in horizontal distributors
- 2 panel inputs

NH02

HORIZONTAL DISTRIBUTOR



- 4 panel inputs



NH03

HORIZONTAL DISTRIBUTOR



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



NV01

VERTICAL DISTRIBUTOR

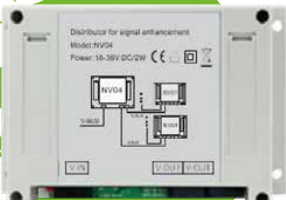


- Supports using of 4 monitors
- Ability to connect cascades in vertical distributors



NV04

SIGNAL BOOSTER



- It is necessary to use 1 after 99 NV01 Vertical Distributors.



NC01

RJ-45 CONNECTION SOCKET



- Allows the connection of the security phone and V-BUS9
- Monitors to the distributor.

RF-ID

RF-ID CARD & RF-ID KEY



- Compatible with RF-ID card systems

PW01.1

POWER SOURCE



- Output power: 90W
- Output voltage: 36V/2A (instantly 2,5A)
- Battery charge output: (27.6V/0.5A)



V-BUS9 DESCRIPTION

• ****In V-BUS9 systems, additional installation products should be given according to the explanations below**

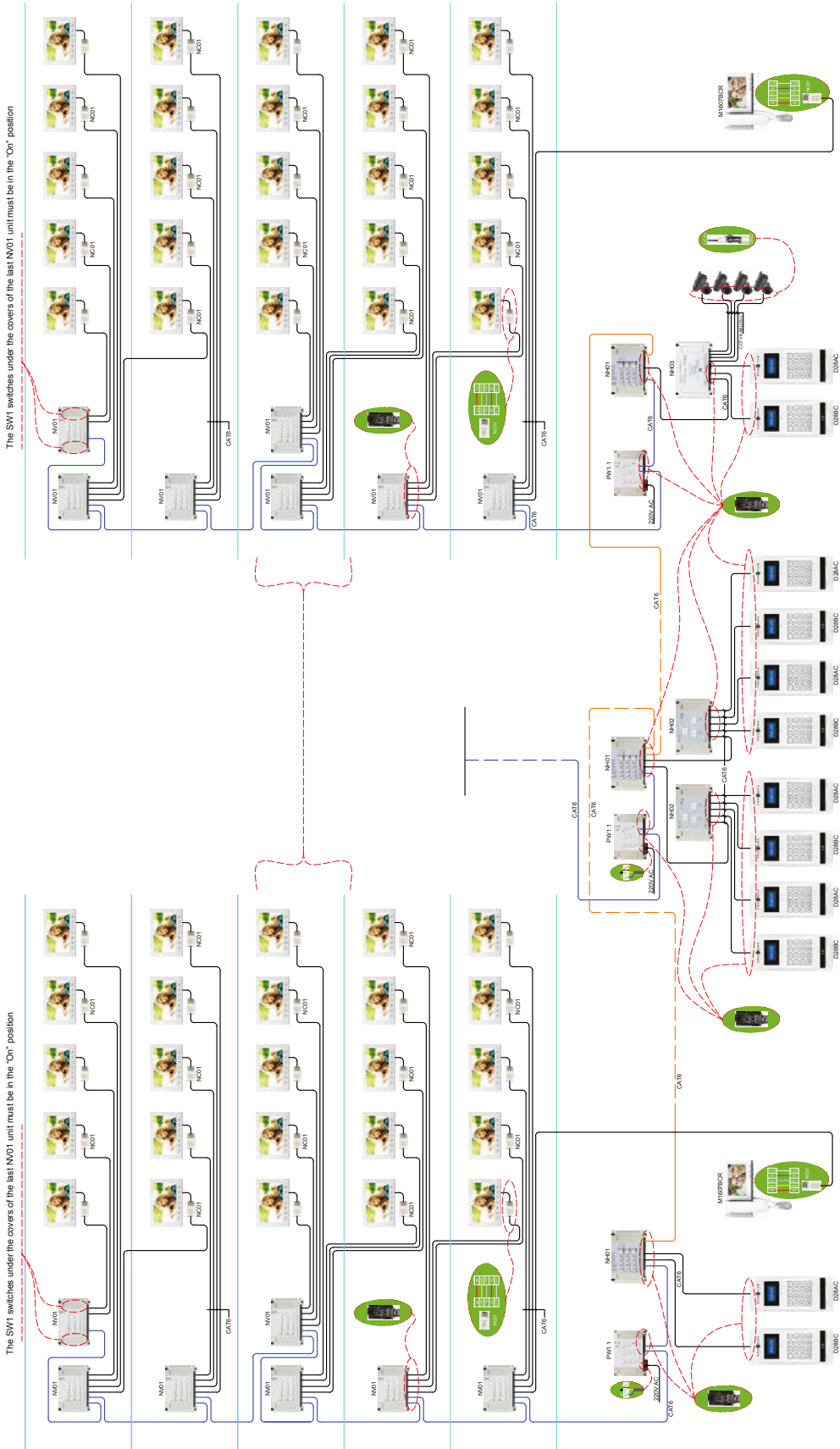
- Wiring of the V-BUS* system must be a shaft system.
- Doorman's phone may differ according to preference.
- The cable to be used in security phone must be CAT6.
- When M1607BCR security phone is added, RJ-45 connection socket, NV01 vertical splitter,
- PW01.1 power supply and NH01 splitter must be used.
- As the number of blocks increases, NH01 horizontal distributor should be used at this rate.

PW01.1 POWER SUPPLY DIFFERENCE

- The power supply capacity is given in the table below.
- In case the capacity is exceeded, the product PW01.1 should be given additionally.

CABLE TYPE	MAX MONITOR
CAT5 - CAT6	25 Monitor

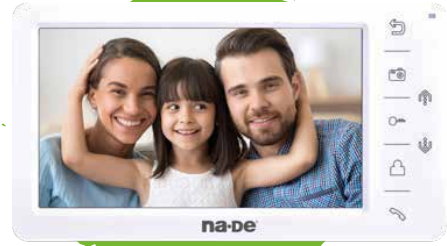
V-BUS 9 SYSTEM WIRING SCHEME



7" WIDE SCREEN VIDEO PHONE VILLA SET

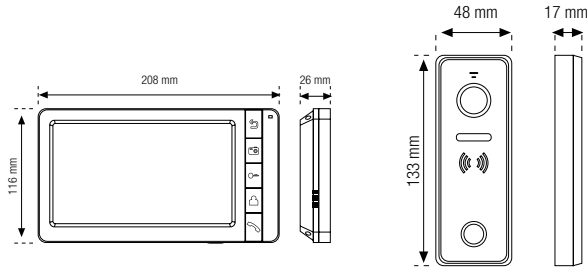
07041EBM (Monitor)

- 7" high resolution LCD display
- Handsfree talking
- User friendly interface
- Intercommunication between monitors
- Door opener control
- Ability to view the external door panel and the desired external CCTV camera
- Adjustable brightness, contrast, color and volume
- Do not disturb function
- Option to connect additional monitor
- Option to connect additional panel



05104EBM (PANEL)

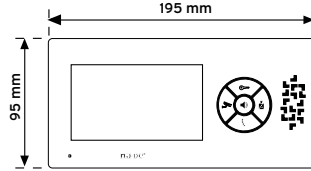
- 7" CMOS color camera (800TVL)
- LED illuminated night vision
- 110° visual angle
- Waterproof
- Surface mounted
- Stainless steel metal parts
- Stainless steel front panel
- Lock control support system



Product Code	Product Features
17041EBM	7" video door phone 1 monitor Villa Set (4 wire)
27041EBM	7" video door phone 2 monitors Villa Set (4 wire)
37041EBM	7" video door phone 3 monitors Villa Set (4 wire)
47041EBM	7" video door phone 4 monitors Villa Set (4 wire)
07041EBM	7" video door phone colorful monitor
05104EBM	Color camera doorbell panel
GK10	Power source

TBS-430

4.3" COLOR VIDEO INTERCOM



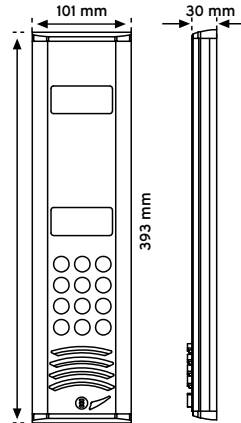
- 4,3" TFT LCD display
- Door opener button
- Ability to view the doorbell panel camera
Communication with the doorman
- Conversation volume adjustment
- Color, brightness and contrast adjustment menu
- Confidential voice and video calling feature
- Automatic shutdown of system when monitor is left on
- Easy installation and cable connection
- Suitable for DT-8 wiring

NEW PRODUCT



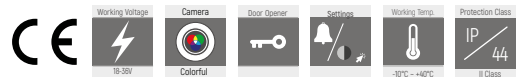
TBS-8CP

DOORBELL PANEL with DIGITAL CAMERA



- Connection with only DT-8, without switchboard, without coaxial and without doorbell return
- Easy of assembly with color to color connection
- Communication with concierge
- Angle adjustable 25° action camera
(In basic and concept panels)

NEW PRODUCT



TBS-VY02

VIDEO BOOSTER



- 1 Input 4 Output

NEW PRODUCT

TBS-VD02

VIDEO DISTRIBUTOR



- 1 Input 4 Output

NEW PRODUCT

TBS-PW5A

POWER SUPPLY ADAPTER



- 24V DC 5A

NEW PRODUCT

TBS-PW3A

POWER SUPPLY ADAPTER



- 24V DC 3A

NEW PRODUCT

UP to 4 APARTMENTS

ECONOMIC SETS



- Sold as a package of up to 4 flats
- With a single button, the bells of 4 flat rings at the same time.
- 4+n cable infrastructure

VILLA SETS with TELEPHONE (4+n)

ÜRÜN KOD	ÜRÜN ÖZELLİKLERİ
90028	Villa set 1 (for 1 flat)
90029	Villa set 2 (for 2 flats)
90030	Villa set 3 (for 3 flats)
90031	Villa set 4 (for 4 flats)

UP TO 20 FLATS

ECONOMIC SETS



- Sold as a package of up to 20 flats
- Single doorbell
- 4+n cable infrastructure

Economical Audio Doorphone Sets (4+n)

Product code	PRODUCT FEATURES
TES 01	Economic set with telephone (for 1 flat)
TES 02	Economic set with telephone (For 2 flats)
TES 03	Economic set with telephone (For 3 flats)
TES 04	Economic set with telephone (For 4 flats)
TES 05	Economic set with telephone (For 5 flats)
TES 06	Economic set with telephone (For 6 flats)
TES 07	Economic set with telephone (For 7 flats)
TES 08	Economic set with telephone (For 8 flats)
TES 09	Economic set with telephone (For 9 flats)
TES 10	Economic set with telephone (For 10 flats)

Product code	PRODUCT FEATURES
TES 11	Economic set with telephone (For 11 flats)
TES 12	Economic set with telephone (For 12 flats)
TES 13	Economic set with telephone (For 13 flats)
TES 14	Economic set with telephone (For 14 flats)
TES 15	Economic set with telephone (For 15 flats)
TES 16	Economic set with telephone (For 16 flats)
TES 17	Economic set with telephone (For 17 flats)
TES 18	Economic set with telephone (For 18 flats)
TES 19	Economic set with telephone (For 19 flats)
TES 20	Economic set with telephone (For 20 flats)

50010

DOOR COMMUNICATION INTERCOM SYSTEM



- Confidential call with the doorbell panel
- Door automatic control



50040

Apartment Type Doorphone Switchboard With Double Bell & Without Doorman



- Door lock control
- Two different ringtone options
- Connection with doorman
- Short circuit protection
- Power supply
- Rail type mounting



12V / 4VA AC DOORBELL TRANSFORMER

01004



Short circuit protector

Product Size	Working Voltage	Output	Short Circuit Protection	Working Temp.
Din 3	230-240V-50/60Hz	12Vac / 4V A	PTC	-20°C - +40°C
Protection Class	Box Dimensions			
IP 20	55 mm x 60 Pieces 300x60x50x60			



15V / 15VA AC DOORBELL TRANSFORMER

01002



Short circuit protector

Product Size	Working Voltage	Output	Short Circuit Protection	Working Temp.
Din 4	230-240V-50/60Hz	15Vac / 15V A	PTC	-20°C - +40°C
Protection Class	Box Dimensions			
IP 20	21 mm x 30 Pieces 300x60x50x60			



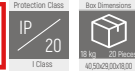
24V / 15VA DOORBELL

01003



Short circuit protector

Product Size	Working Voltage	Output	Short Circuit Protection	Working Temp.
Din 4	230-240V-50/60Hz	15Vac / 15V A	PTC	-20°C - +40°C
Protection Class	Box Dimensions			
IP 20	19 mm x 20 Pieces 450x200x60			



ALUMINIUM DOORBELL BUTTONS

07001



07002



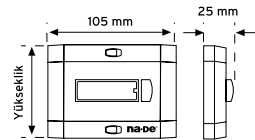
07003



07004



07005



07010



07009



07008



07007



07006

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



APARTMENT TYPE SINGLE BUTTON DIAPHONE DOORBELL PANELS



HP

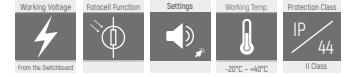


HS

WITH SPEAKER	
PRODUCT CODE	NUMBER of BUTTONS
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 SPEAKERS	
PRODUCT CODE	Button Quantity
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

WITHOUT SPEAKER	
PRODUCT CODE	NUMBER of BUTTONS
HS05-208 mm	5
HS06-234 mm	6
HS07-261 mm	7
HS08-287 mm	8
HS09-313 mm	9
HS010-339 mm	10
HS011-365 mm	11
HS012-391 mm	12
HS013-418 mm	13
HS014-444 mm	14
HS015-470 mm	15
HS016-496 mm	16



APARTMENT TYPE DOUBLE BUTTONS DIAPHONE DOORBELL PANELS



HPÇ

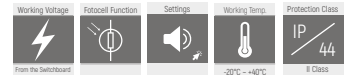


HSÇ

WITH SPEAKER	
Product Code	Button Quantity
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 SPEAKERS	
Product Code	Button Quantity
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

WITHOUT SPEAKER	
Product Code	Button Quantity
HSÇ10-208 mm	10
HSÇ12-234 mm	12
HSÇ14-261 mm	14
HSÇ16-287 mm	16
HSÇ18-313 mm	18
HSÇ20-339 mm	20
HSÇ22-365 mm	22
HSÇ24-391 mm	24
HSÇ26-418 mm	26
HSÇ28-444 mm	28
HSÇ30-470 mm	30
HSÇ32-496 mm	32



DOORBELL PANEL ADDITIONAL ROW CREATION GUIDE FOR DIAPHONE SYSTEMS

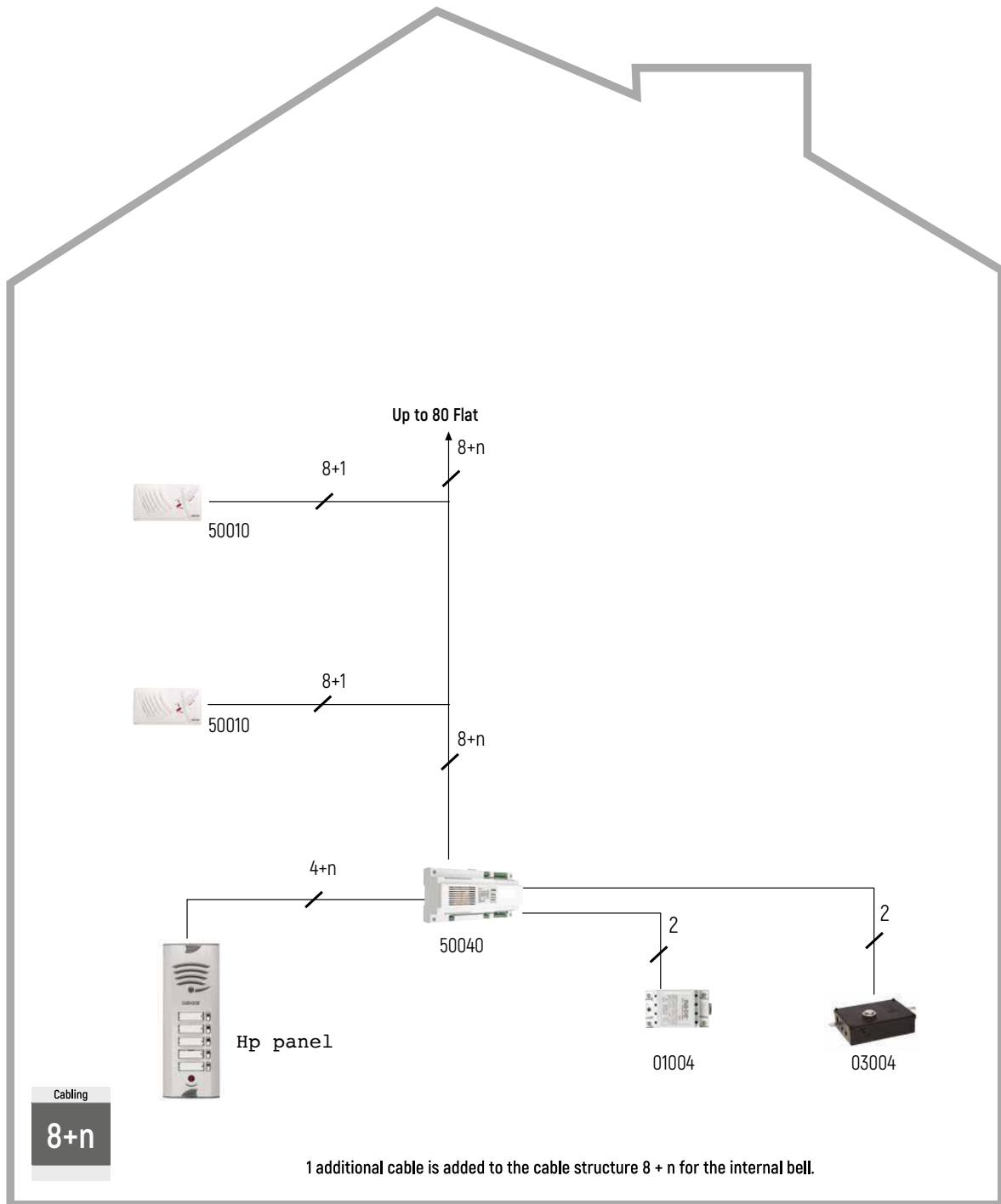
FOR 1 LINE BUTON PANELS

NUMBER OF FLATS	MAIN	EXT. 1	EXT. 2
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 2 LINE BUTTON PANELS

NUMBER OF FLATS	MAIN	EXT. 1	EXT. 2
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	HSC16-313mm	
28	HPÇ10-313mm	HSC18-313mm	
30	HPÇ12-339mm	HSC18-339mm	
32	HPÇ12-339mm	HSC20-339mm	
34	HPÇ14-365mm	HSC20-365mm	
36	HPÇ14-365mm	HSC22-365mm	
38	HPÇ16-391mm	HSC22-391mm	
40	HPÇ16-391mm	HSC24-391mm	
42	HPÇ18-418mm	HSC24-418mm	
44	HPÇ18-418mm	HSC26-418mm	
46	HPÇ20-444mm	HSC26-444mm	
48	HPÇ20-444mm	HSC28-444mm	
50	HPÇ22-470mm	HSC28-470mm	
52	HPÇ22-470mm	HSC30-470mm	
54	HPÇ24-496mm	HSC30-496mm	
56	HPÇ24-496mm	HSC32-496mm	
58	HPÇ14-365mm	HSC22-365mm	HSC22-365mm
60	HPÇ16-391mm	HSC22-391mm	HSC22-391mm
62	HPÇ16-391mm	HSC22-391mm	HSC24-391mm
64	HPÇ16-391mm	HSC24-391mm	HSC24-391mm
66	HPÇ18-418mm	HSC24-418mm	HSC24-418mm
68	HPÇ18-418mm	HSC24-418mm	HSC26-418mm
70	HPÇ18-418mm	HSC26-418mm	HSC26-418mm
72	HPÇ20-444mm	HSC26-444mm	HSC26-444mm
74	HPÇ20-444mm	HSC26-444mm	HSC28-444mm
76	HPÇ20-444mm	HSC28-444mm	HSC28-444mm
78	HPÇ22-470mm	HSC28-470mm	HSC28-470mm
80	HPÇ22-470mm	HSC28-470mm	HSC30-470mm
82	HPÇ22-470mm	HSC30-470mm	HSC30-470mm
84	HPÇ24-496mm	HSC30-496mm	HSC30-496mm
86	HPÇ24-496mm	HSC30-496mm	HSC32-496mm
88	HPÇ24-496mm	HSC32-496mm	HSC32-496mm

APARTMENT TYPE INTERCOM DIAGRAM



IN FIRE



na·De[®]

ADDRESSABLE FIRE DETECTION SYSTEMS

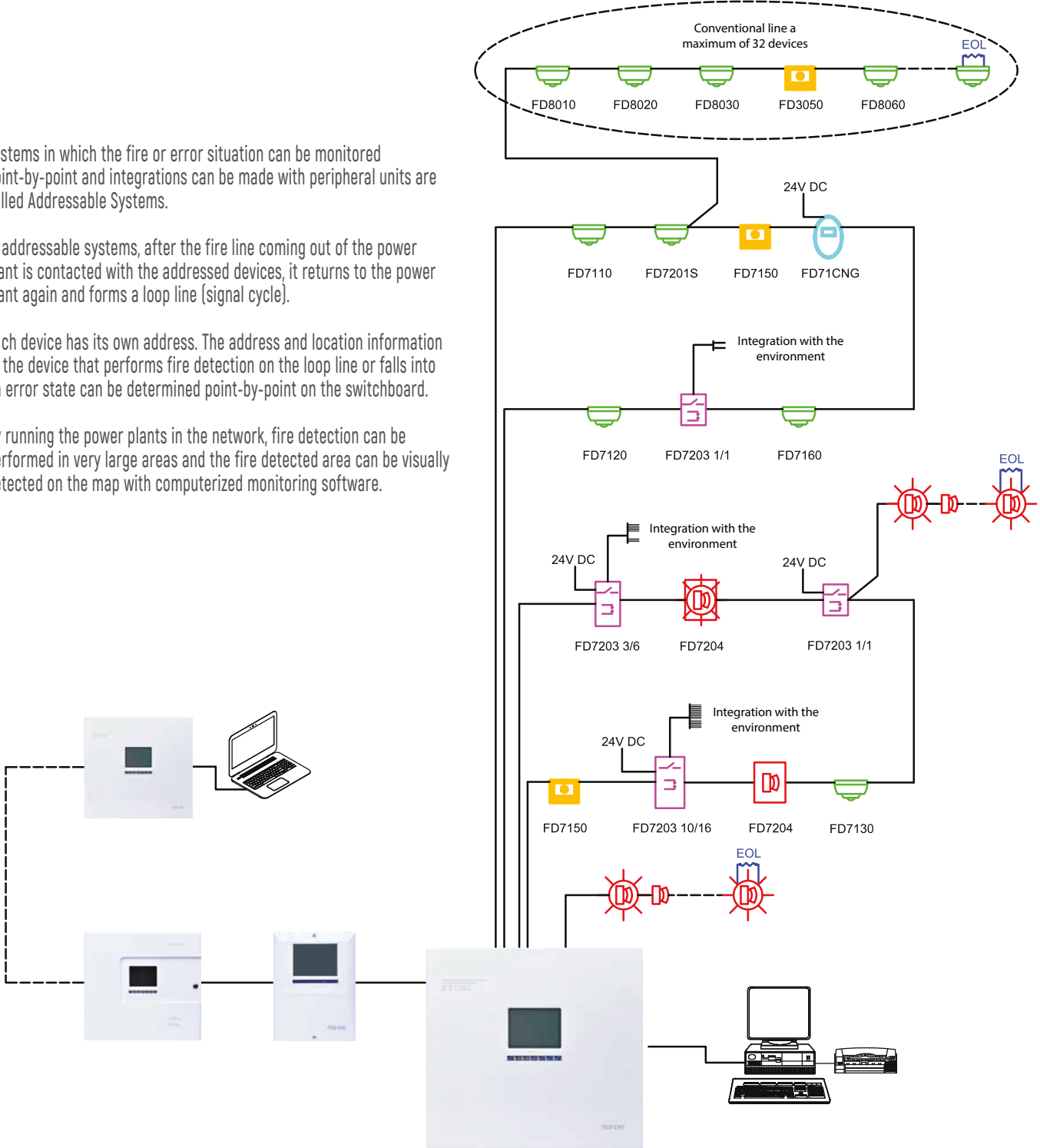
FIRE DETECTION & WARNING SYSTEMS

Systems in which the fire or error situation can be monitored point-by-point and integrations can be made with peripheral units are called Addressable Systems.

In addressable systems, after the fire line coming out of the power plant is contacted with the addressed devices, it returns to the power plant again and forms a loop line (signal cycle).

Each device has its own address. The address and location information of the device that performs fire detection on the loop line or falls into an error state can be determined point-by-point on the switchboard.

By running the power plants in the network, fire detection can be performed in very large areas and the fire detected area can be visually detected on the map with computerized monitoring software.



ADDRESSABLE FIRE ALARM PANELS

IFS7002 FIRE ALARM PANEL

- 1 loop
- 125 address capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 1023 pcs permanent archive memory
- 1 x CAN interface
- 1 x RS232 interface



IFS7002/2 FIRE ALARM PANEL

- 2 loops
- 250 address capacity
- 250 location capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 1023 pcs permanent archive memory
- 2 x CAN interface
- 1 x RS232 interface



IFS7002/4 FIRE ALARM PANEL

- 4 loops
- 500 address capacity
- 500 location capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 2046 pcs permanent archive memory
- 2 x CAN interface
- 1 x RS232 interface



IFS7002/R REPEATER PANEL

- Repeater panel



SERIES IFS7000 GENERAL FEATURES of ADDRESSABLE FIRE DETECTION SYSTEMS

- Simple operation with touchscreen graphic LCD
- Multi-language option
- 125 address capacity per loop
- Automatic addressing via the central
- Compatibility with the standards EN54-2 and EN54-4
- Network operation with IFS 7002 series addressable panels
- Real time clock
- Turkish & English menu
- Input / output modules that can be connected to the connectable central loop
- Day/night working mode
- Test mode for the panel
- Manufacturing by surface mount technology
- Protection against electromagnetic interference

- Continuous checking of fire and breakdown situations (short circuit, line breakage, etc.)
- Automatic detection of device type and parameters in loop
- Detection of devices removed from loop
- Two-way exchange of information between central and loop devices
- Two stage fire condition, separate programmable time for each zone
- Countdown timer where alarm waiting time can be followed on the screen
- Built-in buzzer with distinguishable sound tone for fire situation
- Built-in buzzer with distinguishable sound tone for breakdown situation
- Networking option with FS5200E fire extinguishing central
- Graphical monitoring of the fire detection system via pc with the Na-De INTELLECT

ADDRESSABLE FIRE DETECTORS

FD7110 FIXED TEMPERATURE HEAT DETECTOR

With internal isolator



FD7120 HEAT INCREASING DETECTOR

Constant heat and heat increase fire detector
With internal isolator



FD7130 OPTICAL SMOKE DETECTOR

With internal isolator



FD7160 COMBINED (SMOKE+HEAT) DETECTOR

Ability to make logical operations in heat and smoke detection sections
With internal isolator



• Optical smoke detectors can be used in any area where smoke effect of the fire may be a priority; for example, offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

• A heat detector can be used in very dusty, steamy areas where the heat effect of a fire may be a priority or where there is a possibility that smoke detectors will give an erroneous alarm too often due to environmental conditions. For example; kitchens, garages-parking lots, cold storage rooms, laundries, tea houses, factories, boiler rooms, ironing rooms, etc.

• It is recommended to use a Combined Detector (Smoke and Heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. Ex; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD7150 FIRE ALARM BUTTON

With internal isolator
Resettable



FD71CNG ADDRESSABLE GAS DETECTOR

Used for the detection of Natural Gas (Methane)
Complies with EN5019-4 standards
Status information is indicated by LED and internal siren.
External power supply (18-30V DC) is required.
Trigger occurs when the methane (CNG) gas level in the air reaches 5100 PPM and the ambient LEL (Low Explosion Level) saturation reaches 10%.



ADDRESSABLE INPUT-OUTPUT MODULES

FD7203 10/16

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



FD7203 3/6

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



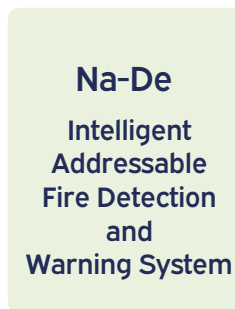
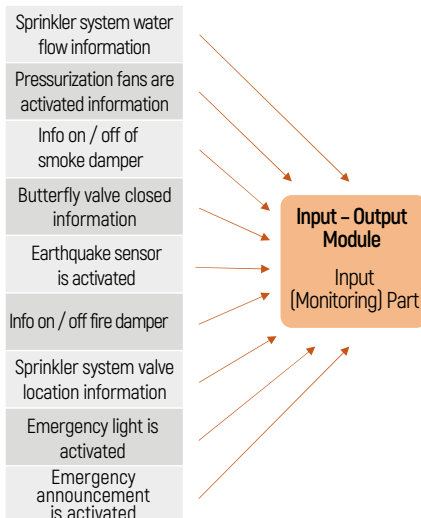
FD7203

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

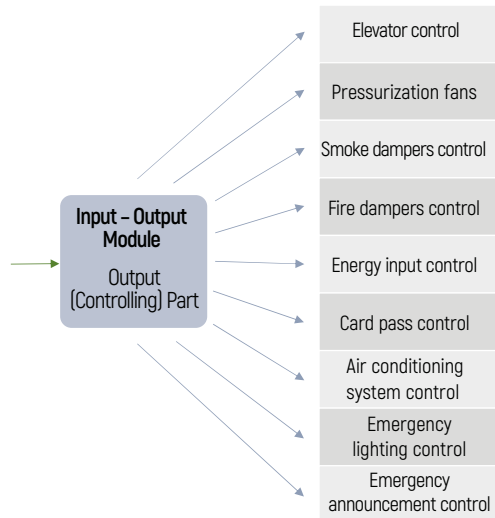


Within the scope of fire automation, elevators, fans, card passes, etc. such points need to be checked. The output part of the input output modules is used for this control operation. In the mechanical part of the building, firefighting equipment such as sprinkler lines, gas extinguishing are integrated into the fire detection system by monitoring the entrance part of the entrance and exit modules.

Examples of the monitoring bodies



Output (control) of input/output models



ADDRESSABLE FIRE ALARM ACCESSORIES SERIES 7000

FD7201SA ADAPTER

Conventional system addressing adapter
External feeding



FD7201S ADAPTER

Conventional system addressing adapter
Used with DB7100A
5 Units can be connected to the loop line



Conventional detectors and buttons, which are placed locally in addressable fire detection systems, can be integrated into the addressable system with addressing modules.

DB7100 BASE

Standard detector base



DB7100 ADDRESSABLE SIREN and WARNING LIGHT

Addressable siren and warning light
Receives its working energy from the loop line
Used in cause and effect scenarios



Addressable sirens, which do not require separate wiring for the siren in fire detection system, can be included in cause-effect scenarios, can receive working energy over the loop line, have a high usage rate in areas such as hotel rooms.

YKB02A

Pipe-type smoke detector
Addressable smoke detector
With remote LED display
Detects the presence of smoke in pipes or ventilation sections



YKB02A

It is used for smoke detection in ventilation ducts. The body part is mounted on the outside of the air ducts. The smoke intake pipe enters the duct, and the air reaches the detector through the pipe. The air received by the air circulation returns to the duct through the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

RS-LAN

RS LAN interface module



RS 232/485

RS 232/485 interface module



MODBUS RTU

BMS Module



SERIES 4000 CONVENTIONAL FIRE ALARM SYSTEMS

Conventional System

In conventional systems, which are simpler in terms of structure and operating logic, detectors and buttons are connected to the zone lines of the conventional fire detection switchboard.

By connecting the termination resistor to the end of each zone line, the power plant is enabled to control the zone line through this resistor. When a short circuit or an open circuit error occurs on the zone line, the power plant cannot monitor the end-of-line resistance and warns the user by giving an error of this.

In case of fire, the alarm resistance of the detector that detects or the fire alarm button that is active is activated and there is a change in the equivalent resistance of the zone line. Changing the resistance causes the current in the zone line to change. A conventional fire detection power central also performs fire detection and warning operations by monitoring this current change. For this reason, the source of fire in conventional systems is determined regionally. 32 pieces fire detection devices can be connected to each zone line.

Regional notification-based fire detection and warning systems are used in places where access to the fire zone is easy at the time of fire, where there are few independent sections (low-rise buildings, open space warehouses, small café - and restaurant - style buildings for entertainment and gathering, etc.) are economic systems that are convenient to use.

FS4000/2 Fire Alarm Central (2 Zone)

FS4000/4 Fire Alarm Central (4 Zone)

FS4000/6 Fire Alarm Central (6 Zone)

FS4000/8 Fire Alarm Central (8 Zone)



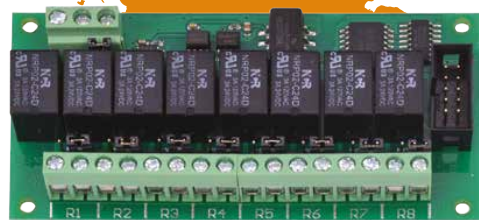
SERIES FS4000 GENERAL FEATURES of CONVENTIONAL FIRE DETECTION CENTRALS

- Compatibility with EN 54-2, EN 54-4 standards
- Easy installation, LED display
- Additional fire relay output option for each zone.
- Ability to assign a delay of 1-7 minutes to outputs
- Test mode and deactivation for each zone
- Compatibility with FS5200R conventional power central
- Networking up to 15 panels with repeater panel

- It can deactivate siren outputs
- Display of siren errors, ground errors, mains errors, battery errors, etc.
- 2 pieces fire relays
- 2 pieces conventional fire outputs
- 1 piece fault relay output

FD4201 2/4/6/8 EXPANSION MODULE

- Conventional relay expansion module
- 2/4/6/8 pieces relay output for fire
- Rs485 interface



CONVENTIONAL FIRE ALARM SYSTEMS SERIES 5100

- LCD screen
- 2 pieces fire lines
- 2 pieces siren outputs
- 2 pieces relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent archive memory
- 84 event recording
- Compatibility with FS5200R conventional repeater central



5101 EXPANSION MODULE

- Expansion module for FS5100 central
- 3 pcs fire lines
- 3 pcs relay outputs for fire



5102 EXPANSION MODULE

- Expansion module for FS5100 central
- 6 pcs fire lines
- 3 pcs relay outputs for fire



SERIES 5200 CONVENTIONAL FIRE ALARM SYSTEMS

FS5200 FIRE ALARM CENTRAL

- LCD screen
- 8 pcs fire lines
- 1 piece siren output
- 2 pcs relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent memory archive
- Ability to include up to 256 events
- Compatibility with FS5200R conventional repeater central



FS5200R CONVENTIONAL REPEATER CENTRAL

- Provides fire suppression procedural control.
- Repeats fire extinguishing procedure.
- Compatible with series FS5000, FS5100, FS4000 centrals.



5201 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines



5202 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines
- 1 piece siren output



5203 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines



5204 EXPANSION MODULE

- Compatible with FS5200 central
- 16 pcs fire lines



CONVENTIONAL FIRE DETECTORS

FD8010 FIXED HEAT DETECTOR



FD8020 HEAT RISE DETECTOR



FD8030 OPTICAL SMOKE DETECTOR



FD8060 COMBINED (Optical Smoke + Heat)



Optical smoke detectors can be used in any area where the fire smoke effect can be a priority. For example; offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

Heat detectors can be used in very dusty and steamy areas where the heat effect of the fire may take priority or where smoke detectors are likely to give false alarms very often due to environmental conditions. For example, kitchens, garages-car parks, cold storages, laundries, tea shops, factories, boiler rooms, ironing rooms, etc.

It is recommended to use a combined detector (smoke and heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. For example; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD8040 FLAME FIRE DETECTOR

Dot type optical flame fire detector



YKB02K

Pipe type smoke detector
Conventional smoke detector
With remote LED display
It detects the presence of smoke
in pipes or ventilation parts.



YKB02K; is used for smoke detection in ventilation ducts. Body part is mounted on the outside of the air ducts. The fume extraction pipe enters the duct and then the air reaches the detector through the pipe. Air taken by the air circulation returns to the duct with the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

FD8040; provides reliable early warning of a fire situation when it detects the infrared emission of the flame. It can be used in places where other types of fire detectors are not used.

CONVENTIONAL FIRE ALARM EQUIPMENTS

DB8000 BASE

Standard detector base



FD8204 INTERNAL SIREN

90dB
15-30V DC operating voltage



FD3050 FIRE ALARM BUTTON

10-30V DC operating voltage
Resettable



SB 112F EXTERNAL SIREN

110db
24V DC



RI31 PARALLEL WARNING LIGHT

5-30V DC operating voltage



RI31S DISTANCE - SOUND INDICATOR (BUZZER)

5-30V DC operating voltage



AKV01 BATTERY

12V / 4,5 Ah
Compatible with conventional and 1 loop addressable centrals

AKV02 BATTERY

12V / 18Ah
Compatible with addressable with 2 and 4 loops

INTELLECT COMPUTER MONITORING SOFTWARE

Displaying interface of fire alarm systems
Compatible with IFS7000 series addressable fire detection systems
Compatible with series FS5100, FS5200 conventional fire alarm systems

TK

Plastic transparent cover for series FD7150 and FD3050

CONVENTIONAL FIRE DETECTORS

BEAM TYPE SMOKE DETECTOR (REFLECTOR INCLUDED)

AW-BK901/8-100MT Reflector Beam Detector

FLOOD DETECTOR

SBD-TOD-0590 / Flood Detector (with contact output)

CARBON MONOXIDE DETECTOR

FXDCO Carbon Monoxide Detector (with rechargeable battery + electric)
FXDCO1 Carbon Monoxide Detector (with battery + electric)

FS5200P POWER SUPPLY

Input Voltage: (187-253) V AC, 50 Hz
Maximum Consumption Capacity: 120VA
Output Voltage: (17-28)V DC
Output Current: (within the main power supply)
- up to 3,5A (permanent)
Output Current (in the absence of mains
power supply and fully charged backup battery)
: 3,5 A (up to 2 h)
Back-up Battery: 2x12V DC / 7 Ah



CONVENTIONAL SIREN WARNING LIGHT

ECSI20
Internal siren single LED indicator 24V DC



AUTOMATIC PHONE CALLING DEVICE

TD200 / Automatic phone calling device



POWER SUPPLY / ADAPTER

10 pcs siren can be connected
25 pcs siren can be connected
35 pcs siren can be connected
50 pcs siren can be connected

NATURAL GAS DETECTOR

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

EARTHQUAKE SENSOR

TAMYY2
TAMYY3

SURFACE-MOUNTED APPARATUS

AC8001 Flanged surface mounted mounting apparatus
AC8002 Without-flanged surface mounting apparatus

CONVENTIONAL FLASHER

ESF24-FLŞ
Internal flasher 24V DC



DB8000R DETECTOR BASE with RELAY

Detector base with relay



SERIES 5200E CONVENTIONAL FIRE ALARM EQUIPMENTS

FS5200E FIRE EXTINGUISHING CENTRAL

3 pieces fire alarm lines
2 pieces fire extinguisher alarm lines
1 pcs non-fire extinguishing control alarm line
RS485 interface



FD5301 REPEATER PANEL

Provides control over firefighting procedures
Repeats firefighting procedures
Compatible with FS5200E central



FD3050Y MANUAL RELEASE BUTTON

Used for manual activation of extinguisher
Compatible with FS5200E central



FD3050G EMERGENCY STOP BUTTON

It is used to hold the extinguishing
Allows to increase the evacuation time
Compatible with FS5200E central



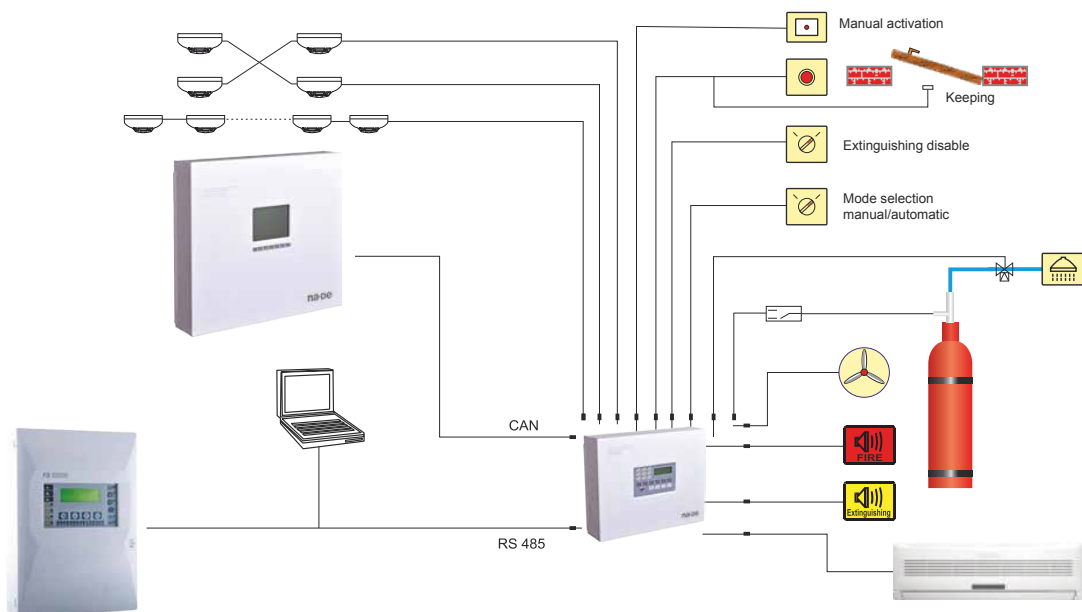
FS3050B ADDITIONAL RELEASE BUTTON

Used for automatic activation of extinguisher
Compatible with FS5200E central



FD5302 MODE SELECTION SWITCH

Used for select the operating mode of FS5200E switch





na·de[®]

Addressable Internal Siren + Warning Light

FIRE DETECTION AND WARNING SYSTEMS



FIRE DETECTION & WARNING SYSTEMS

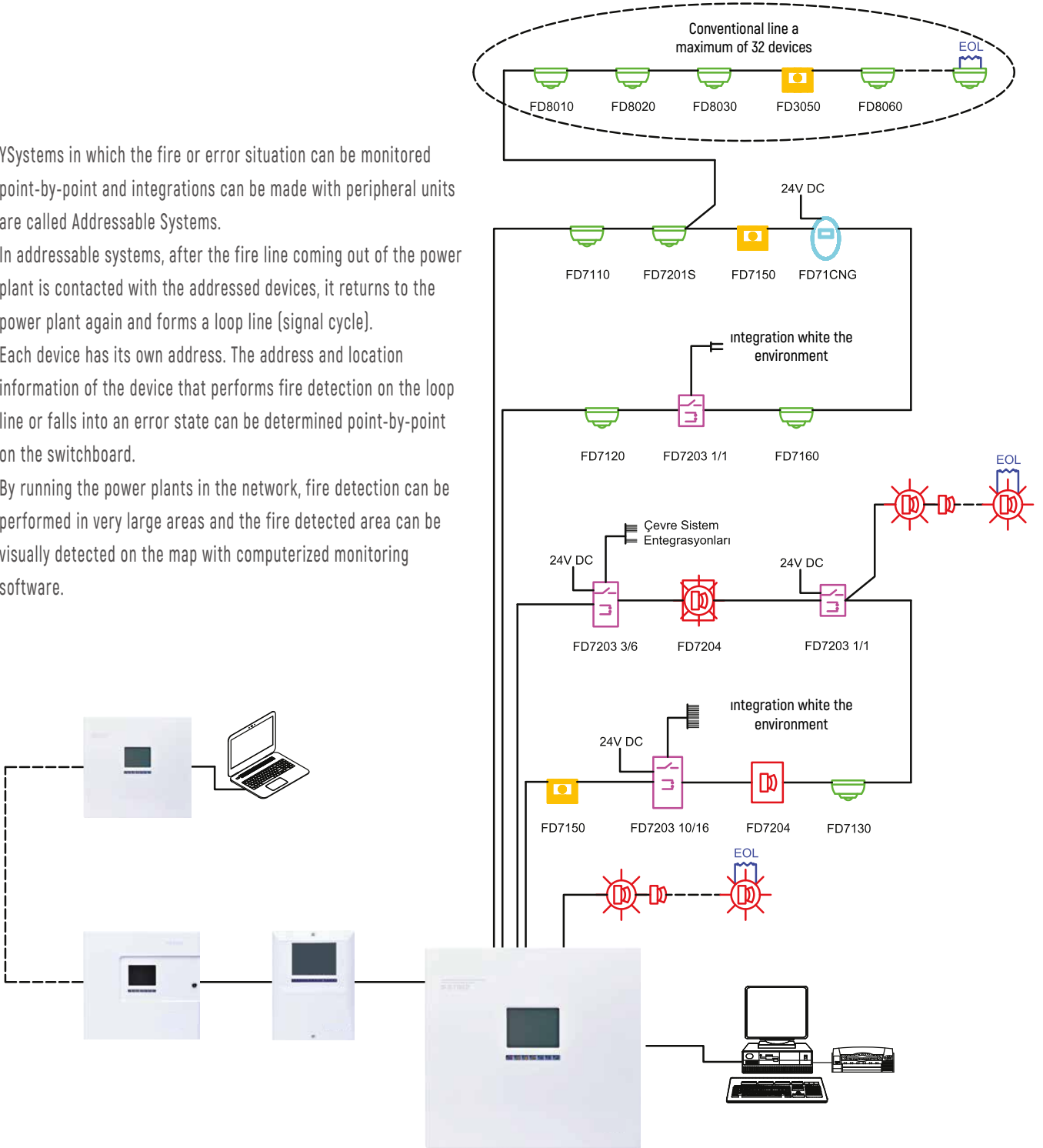
ADRESSABLE FIRE DETECTION SYSTEMS

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Each device has its own address. The address and location information of the device that performs fire detection on the loop line or falls into an error state can be determined point-by-point on the switchboard.

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ADDRESSABLE FIRE ALARM PANELS

IFS7002 FIRE ALARM PANEL

- 1 loop
- 125 address capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 1023 pcs permanent archivememory
- 1 x CAN interface
- 1 x RS232 interface



IFS7002/2 FIRE ALARM PANEL

- 1 loop
- 125 address capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 1023 pcs permanent archivememory
- 1 x CAN interface
- 1 x RS232 interface



IFS7002/4 FIRE ALARM PANEL

- 4 loops
- 500 address capacity
- 500 location capacity
- 1 breakdown contact
- 1 relay outputs for fire condition
- 1 adjustable output contact
- 2046 pcs permanent archive memory
- 2 x CAN interface
- 1 x RS232 interface



IFS7002/R REPEATER PANEL

- Repeater panel



IFS7000 SERIES SERIES GENERAL FEATURES OF ADDRESSABLE FIRE DETECTION SYSTEMS

- Simple operation with touchscreen graphic LCD
- Multi-language option
- 125 address capacity per loop
- Automatic addressing via the central
- Compatibility with the standards EN54-2 and EN54-4
- Network operation with IFS 7002 series addressable panels
- Real time clock
- Turkish & English menu
- Input / output modules that can be connected to the connectable central loop
- Day/night working mode
- Test mode for the central
- Manufacturing by surface mount technology
- Protection against electromagnetic interference

- Continuous checking of fire and breakdown situations (short circuit, line breakage, etc.)
- Automatic detection of device type and parameters in loop
- Detection of devices removed from loop
- Two-way exchange of information between central and loop devices
- Two stage fire condition, separate programmable time for each zone
- Countdown timer where alarm waiting time can be followed on the screen
- Built-in buzzer with distinguishable sound tone for fire situation
- Built-in buzzer with distinguishable sound tone for breakdown situation
- Networking option with FS5200E fire extinguishing central
- Graphical monitoring of the fire detection system via pc with the Na-De INTELLECT

ADDRESSABLE FIRE DETECTORS

FD7110 FIXED TEMPERATURE HEAT DETECTOR

- With internal isolator



FD7120 HEAT INCREASING DETECTOR

- Constant heat and heat increase fire detector
- With internal isolator



FD7130 OPTICAL SMOKE DETECTOR

- With internal isolator



FD7160 COMBINED (SMOKE + HEAT) DETECTOR

- Ability to make logical operations in heat and smoke detection sections
- With internal isolator



· Optical smoke detectors can be used in any area where smoke effect of the fire may be a priority; for example, offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

· A heat detector can be used in very dusty, steamy areas where the heat effect of a fire may be a priority or where there is a possibility that smoke detectors will give an erroneous alarm too often due to environmental conditions. For example; kitchens, garages-parking lots, cold storage rooms, laundries, tea houses, factories, boiler rooms, ironing rooms, etc.

· It is recommended to use a Combined Detector (Smoke and Heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. Ex; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD7150 FIRE ALARM BUTTON

- With internal isolator
- Resettable



FD71CNG ADDRESSABLE GAS DETECTOR

- Used for the detection of Natural Gas (Methane)
- Complies with EN5019-4 standards
- Status information is indicated by LED and internal siren.
- External power supply (18-30V DC) is required.
- Trigger occurs when the methane (CNG) gas level in the air reaches 5100 PPM and the ambient LEL (Low Explosion Level) saturation reaches 10%.



ADDRESSABLE INPUT - OUTPUT MODULES

FD7203 10/16

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



FD7203 3/6

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



FD7203

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

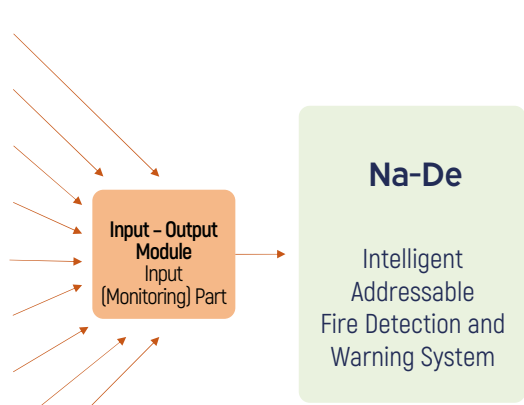


FIRE DETECTION & WARNING SYSTEMS

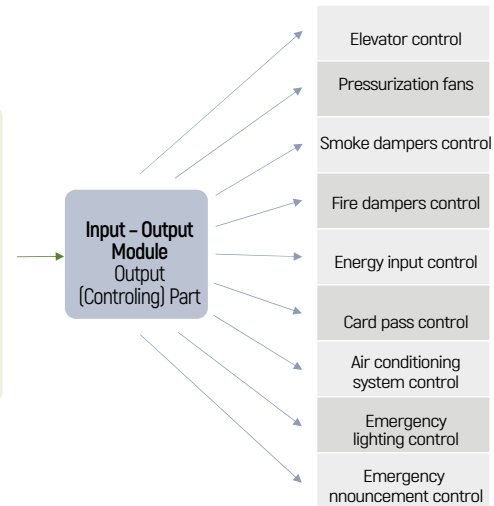
Within the scope of fire automation, elevators, fans, card passes, etc. such points need to be checked. The output part of the input output modules is used for this control operation. In the mechanical part of the building, firefighting equipment such as sprinkler lines, gas extinguishing are integrated into the fire detection system by monitoring the entrance part of the entrance and exit modules.

Examples of the monitoring bodies

- Sprinkler system water flow information
- Pressurization fans are activated information
- Info on / off of smoke damper
- Butterfly valve closed information
- Earthquake sensor is activated
- Info on / off fire damper
- Sprinkler system valve location information
- Emergency light is activated
- Emergency announcement is activated



Output(control) of input/output models



- Elevator control
- Pressurization fans
- Smoke dampers control
- Fire dampers control
- Energy input control
- Card pass control
- Air conditioning system control
- Emergency lighting control
- Emergency announcement control

ADDRESSABLE FIRE ALARM ACCESSORIES SERIES 7000

FD7201SA ADAPTER

- Conventional system addressing adapter
- External feeding



FD7201S ADAPTER

- Conventional system addressing adapter
- Used with DB7100A
- 5 Units can be connected to the loop line



Conventional detectors and buttons, which are placed locally in addressable fire detection systems, can be integrated into the addressable system with addressing modules.

DB7100A BASE

- FD2100A Base



DB7100 BASE

- Standard detector base



DB7100 ADDRESSABLE SIREN and WARNING LIGHT

- Addressable siren and warning light
- Receives its working energy from the loop line
- Used in cause and effect scenarios



Addressable sirens, which do not require separate wiring for the siren in fire detection system, can be included in cause-effect scenarios, can receive working energy over the loop line, have a high usage rate in areas such as hotel rooms.

YKB02A

- Pipe-type smoke detector
- Addressable smoke detector
- With remote LED display
- Detects the presence of smoke in pipes or ventilation sections



YKB02A

It is used for smoke detection in ventilation ducts. The body part is mounted on the outside of the air ducts. The smoke intake pipe enters the duct, and the air reaches the detector through the pipe. The air received by the air circulation returns to the duct through the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

RS-LAN

- RS LAN interface module



RS 232/485

- RS 232/485 interface module



MODBUS RTU

- BMS Module



4000 SERIES CONVENTIONAL FIRE ALARM SYSTEMS

Conventional System

In conventional systems, which are simpler in terms of structure and operating logic, detectors and buttons are connected to the zone lines of the conventional fire detection switchboard.

By connecting the termination resistor to the end of each zone line, the power plant is enabled to control the zone line through this resistor. When a short circuit or an open circuit error occurs on the zone line, the power plant cannot monitor the end-of-line resistance and warns the user by giving an error of this.

In case of fire, the alarm resistance of the detector that detects or the fire alarm button that is active is activated and there is a change in the equivalent resistance of the zone line. Changing the resistance causes the current in the zone line to change. A conventional fire detection power central also performs fire detection and warning operations by monitoring this current change. For this reason, the source of fire in conventional systems is determined regionally. 32 pieces fire detection devices can be connected to each zone line.

Regional notification-based fire detection and warning systems are used in places where access to the fire zone is easy at the time of fire, where there are few independent sections (low-rise buildings, open space warehouses, small café - and restaurant - style buildings for entertainment and gathering, etc.) are economic systems that are convenient to use.

FS4000/2 Fire Alarm Central (2 Zone)

FS4000/4 Fire Alarm Central (4 Zone)

FS4000/6 Fire Alarm Central (6 Zone)

FS4000/8 Fire Alarm Central (8 Zone)



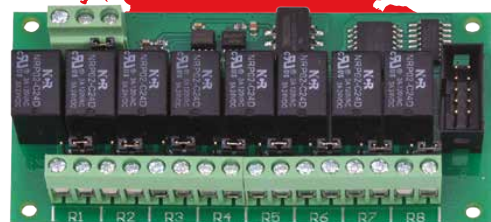
FS4000 SERIES GENERAL FEATURES of CONVENTIONAL FIRE DETECTION CENTRALS

- Compatibility with EN 54-2, EN 54-4 standards
- Easy installation, LED display
- Additional fire relay output option for each zone.
- Ability to assign a delay of 1-7 minutes to outputs
- Test mode and deactivation for each zone
- Compatibility with FS5200R conventional power central
- Networking up to 15 panels with repeater panel
- It can deactivate siren outputs
- Display of siren errors, ground errors, mains errors, battery errors, etc.
- 2 pieces fire relays
- 2 pieces conventional fire outputs
- 1 piece fault relay output

- It can deactivate siren outputs
- Display of siren errors, ground errors, mains errors, battery errors, etc.
- 2 pieces fire relays
- 2 pieces conventional fire outputs
- 1 piece fault relay output

FD4201 2/4/6/8 EXPANSION MODULE

- Conventional relay expansion module
- 2/4/6/8 pieces relay output for fire
- Rs485 interface



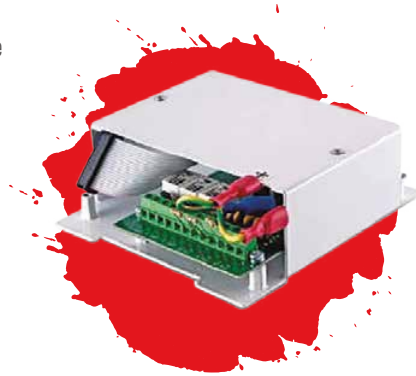
CONVENTIONAL FIRE ALARM SYSTEMS SERIES 5100

- LCD screen
- 2 pieces fire lines
- 2 pieces siren outputs
- 2 pieces relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent archive memory
- 84 event recording
- Compatibility with FS5200R conventional repeater central



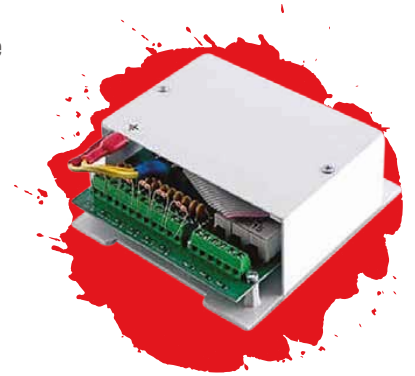
5101 EXPANSION MODULE

- Expansion module for FS5100 central
- 3 pcs fire lines
- 3 pcs relay outputs for fire



5102 EXPANSION MODULE

- Expansion module for FS5100 central
- 6 pcs fire lines
- 3 pcs relay outputs for fire



5200 SERİSİ KONVANSİYONEL YANGIN ALARM SİSTEMLERİ

FS5200 FIRE ALARM CENTRAL

- LCD screen
- 8 pcs fire lines
- 1 piece siren output
- 2 pcs relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent memory archive
- Ability to include up to 256 events
- Compatibility with FS5200R conventional repeater central



FS5200R CONVENTIONAL REPEATER CENTRAL

- Provides fire suppression procedural control.
- Repeats fire extinguishing procedure.
- Compatible with series FS5000, FS5100, FS4000 centrals.



5201 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines



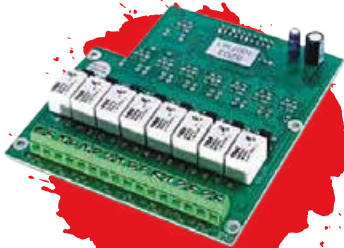
5202 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines
- 1 piece siren output



5203 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines



5204 EXPANSION MODULE

- Compatible with FS5200 central
- 16 pcs fire lines



CONVENTIONAL FIRE DETECTORS

FD8010 FIXED HEAT DETECTOR



FD8020 HEAT RISE DETECTOR



FD8030 OPTICAL SMOKE DETECTOR



FD8060 COMBINED (Optical Smoke + Heat)



Optical smoke detectors can be used in any area where the fire smoke effect can be a priority. For example; offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

Heat detectors can be used in very dusty and steamy areas where the heat effect of the fire may take priority or where smoke detectors are likely to give false alarms very often due to environmental conditions. For example, kitchens, garages-car parks, cold storages, laundries, tea shops, factories, boiler rooms, ironing rooms, etc.

It is recommended to use a combined detector (smoke and heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. For example; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD8040 FIRE DETECTOR

- Dot type optical flame fire detector



YKB02K

- Pipe type smoke detector
- Conventional smoke detector
- With remote LED display
- It detects the presence of smoke in pipes or ventilation parts.



YKB02K; is used for smoke detection in ventilation ducts. Body part is mounted on the outside of the air ducts. The fume extraction pipe enters the duct and then the air reaches the detector through the pipe. Air taken by the air circulation returns to the duct with the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

FD8040; provides reliable early warning of a fire situation when it detects the infrared emission of the flame. It can be used in places where other types of fire detectors are not used.

CONVENTIONAL FIRE ALARM EQUIPMENTS

DB8000 BASE

- Standard detector base



FD8204 INTERNAL SIREN

- 90dB
- 15-30V DC operating voltage



FD3050 FIRE ALARM BUTTON

- 10-30V DC operating voltage
- Resettable



SB 112F EXTERNAL SIREN

- 110db
- 24V DC



RI31 PARALLEL WARNING LIGHT

- 5-30V DC operating voltage



RI31S DISTANCE - SOUND INDICATOR (BUZZER)

- 5-30V DC operating voltage



AKV01 BATTERY

- 12V / 4,5 Ah
- Compatible with conventional and 1 loop addressable centrals

AKV02 BATTERY

- 12V / 18Ah
- Compatible with addressable with 2 and 4 loops

INTELLECT COMPUTER MONITORING SOFTWARE

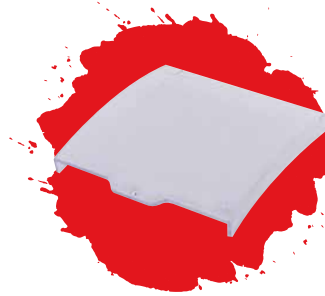
INTELLECT COMPUTER MONITORING SOFTWARE

- Displaying interface of fire alarm systems
- Compatible with IFS7000 series addressable fire detection systems
- Compatible with series FS5100, FS5200 conventional fire alarm systems



TK

- Plastic transparent cover for series FD7150 and FD3050



FS5200P POWER SUPPLY

- Input Voltage: (187-253) V AC, 50 Hz
- Maximum Consumption Capacity: 120VA
- Output Voltage: (17-28)V DC
- Output Current: (within the main power supply)
- up to 3,5A (permanent)
- Output Current (in the absence of mains power supply and fully charged backup battery): 3,5 A (up to 2 h)
- Backup Battery: 2x12V DC / 7 Ah



SURFACE-MOUNTED APPARATUS

- AC8002 Without-flanged surface mounting apparatus



AC8002

- AC8002 Surface Mounting Apparatus for Humid Environment



DB8000R DETECTOR BASE with RELAY

- Detector base with relay



5200E SERIES CONVENTIONAL FIRE ALARM EQUIPMENTS

FS5200E FIRE EXTINGUISHING CENTRAL

- 3 pieces fire alarm lines
- 2 pieces fire extinguisher alarm lines
- 1 pcs non-fire extinguishing control alarm line
- RS485 interface



FD5301 REPEATER PANEL

- Provides control over firefighting procedures
- Repeats firefighting procedures
- Compatible with FS5200E central



FD3050Y MANUAL RELEASE BUTTON

- Used for manual activation of extinguisher
- Compatible with FS5200E central



FD3050G EMERGENCY STOP BUTTON

- It is used to hold the extinguishing
- Allows to increase the evacuation time
- Compatible with FS5200E central



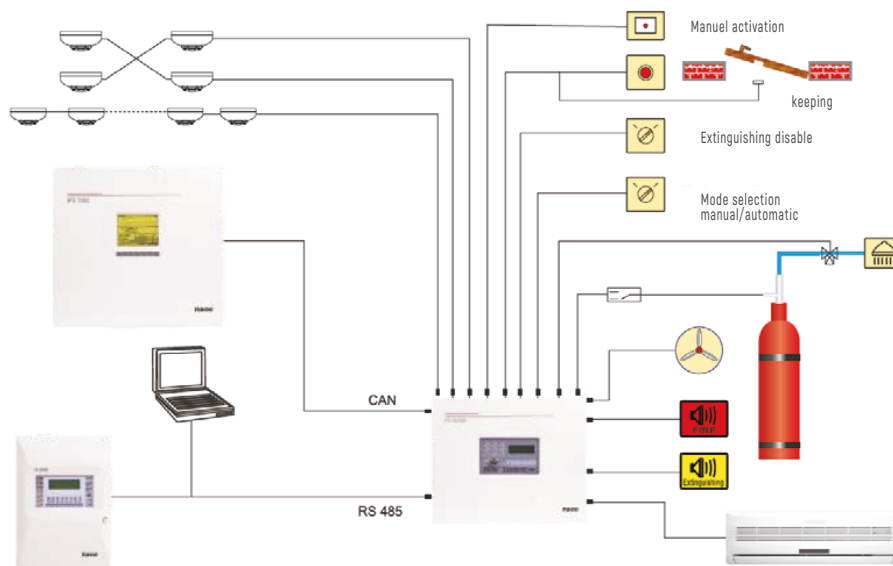
FS3050B ADDITIONAL RELEASE BUTTON

- Used for automatic activation of extinguisher
- Compatible with FS5200E central



FD5302 MODE SELECTION SWITCH

- Used for select the operating mode of FS5200E switch



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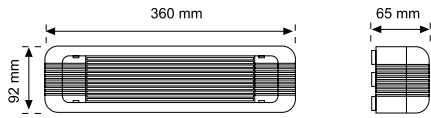
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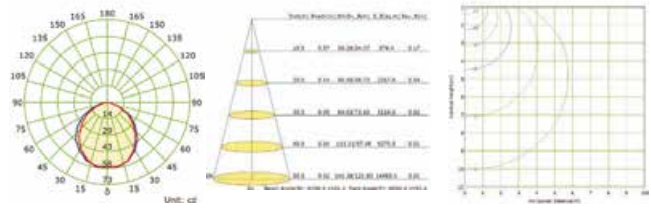
EMERGENCY LIGHTING and EMERGENCY GUIDANCE

15036-36 (Surface Mount) / 16036-36 (Flush Mount)
 15036-36 (Surface Mount) / 16036-36 (Flush Mount)

Emergency Lighting Armature · Emergency Lighting with Emergency Guiding Sticker***



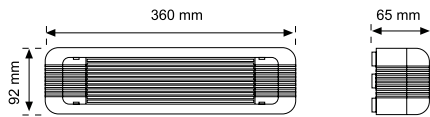
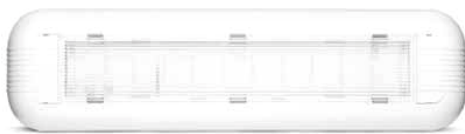
Luminous Intensity Distribution Curve Illuminance at a Distance Vertical IsoLux Plot



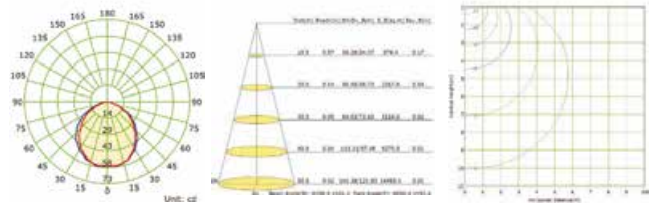
Working Voltage ⚡ 230-240V~ 50/60Hz	Operating Mode NM NM(Non-Maintained)	Lighting Intensity (Lumen) LM 130 LM	Working in Emergency 🚶 3 Hours	Battery Type 🔋 362V 200mAh AA-NiMH	Working Temperature 🌡️ -20°C ~ +40°C	Protection Class IP 20
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15136-36 (Surface Mount) / 16136-36 (Flush Mount)
 15136-48 (Surface Mount) / 16136-48 (Flush Mount)

Emergency Lighting Armature · Emergency Lighting



Luminous Intensity Distribution Curve Illuminance at a Distance Vertical IsoLux Plot



Working Voltage ⚡ 230-240V~ 50/60Hz	Operating Mode NM NM(Non-Maintained)	Lighting Intensity (Lumen) LM 130 LM	Working in Emergency 🚶 3 Hours	Battery Type 🔋 362V 200mAh AA-NiMH	Working Temperature 🌡️ -20°C ~ +40°C	Protection Class IP 20
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EMERGENCY LIGHTING & EMERGENCY GUIDANCE

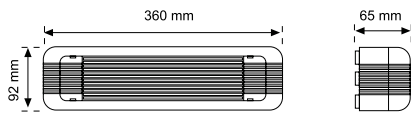
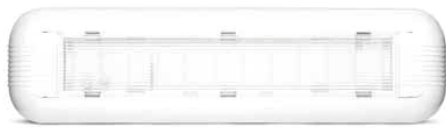
*** Emergency Guiding Stickers



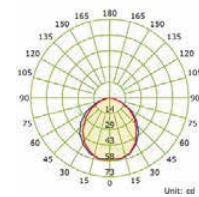
EMERGENCY LIGHTING and EMERGENCY GUIDANCE

15136-36 (Surface Mount) / 16136-36 (Flush Mount)
 15136-48 (Surface Mount) / 16136-48 (Flush Mount)

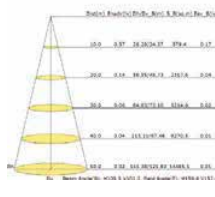
Emergency Lighting Armature · (Non-Maintained · Surface Mounting)



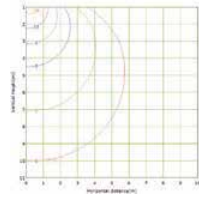
Luminous Intensity Distribution Curve



Illuminance at a Distance



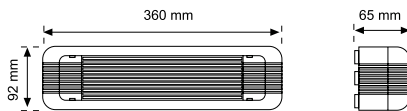
Vertical IsoLux Plot



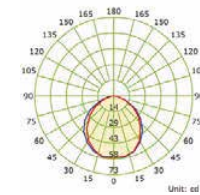
Working Voltage	Operating Mode	Lighting Intensity (Lumen)	Working in Emergency	Battery Type	Working Temperature	Protection Class
230-240V~50/60Hz	NM (Non-Maintained)	130 LM	3 Hours	3x2V 200mAh AA-NiMH	-20°C ~ +40°C	II CLASS

15136-36 (Surface Mount) / 16136-36 (Flush Mount)
 15136-48 (Surface Mount) / 16136-48 (Flush Mount)

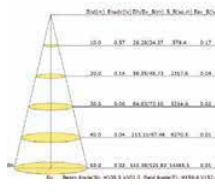
Emergency Lighting Armature · Maintained with Emergency Guiding Sticker***



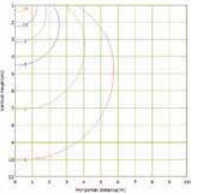
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Operating Mode	Lighting Intensity (Lumen)	Working in Emergency	Battery Type	Working Temperature	Protection Class
230-240V~50/60Hz	M (Maintained)	130 LM	3 Hours	3x2V 200mAh AA-NiMH	-20°C ~ +40°C	II CLASS

*** Emergency Guiding Stickers



EMERGENCY LIGHTING and EMERGENCY GUIDANCE

17110-265mm / 17110-265 G

LED Emergency Sign Lighting Armatures
Suspension with Double Sided Chain***

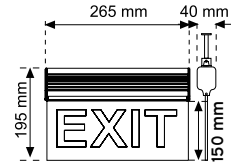


- 48 hours charging
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time

Working Voltage	Operating Mode	Working in Emergency	Battery Type	Working Temperature	Protection Class
85-230V~ 50/60Hz	Maintained	3 Hours	Li2V1000mAhAA NiMH	-20°C ~ +40°C	II CLASS



- 48 hours charging
- Engraving processing options
- Minimum 3 hours emergency lighting time



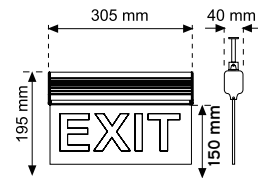
17110-305mm

LED Emergency Guidance Fixture
Suspended, Double Sided***



- 48 hours charging
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time

Working Voltage	Operating Mode	Working in Emergency	Battery Type	Working Temperature	Protection Class
85-230V~ 50/60Hz	Maintained	3 Hours	Li2V1000mAhAA NiMH	-20°C ~ +40°C	II CLASS



17130-265mm / 305mm

LED Emergency Sign Lighting Armatures
Suspension with Double Sided Chain***

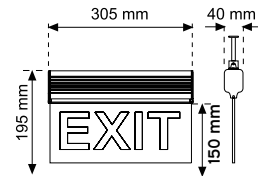
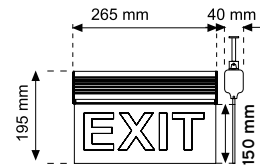


NEW PRODUCT

ALUMINIUM BODY

- 12-48 hours charging time options
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time

Working Voltage	Operating Mode	Working in Emergency	Battery Type	Working Temperature	Protection Class
85-230V~ 50/60Hz	Maintained	3 Hours	Li2V1000mAhAA NiMH	-20°C ~ +40°C	II CLASS



*** Emergency Guiding Stickers



EMERGENCY LIGHTING and EMERGENCY GUIDANCE

17120-265mm/ 17120-G

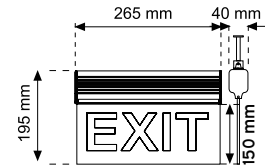
LED Emergency Sign Lighting Armatures
Hanging Apparatus with Double Sided Chain***



- 48 hours charging
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time



- 48 hours charging
- Engraving processing options
- Minimum 3 hours emergency lighting time



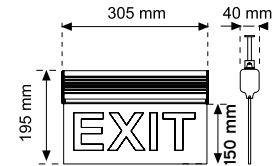
85-230V~50/60Hz	M Maintained	3 Hours	162V 1000 mAh AA/Ni-MH	-20°C ~ +40°C	IP 20 II CLASS

17120-305mm

LED Emergency Sign Lighting Armatures
Hanging Apparatus with Double Sided Chain***



- 48 hours charging
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time



85-230V~50/60Hz	M Maintained	3 Hours	162V 1000 mAh AA/Ni-MH	-20°C ~ +40°C	IP 20 II CLASS

17140-265mm / 305mm

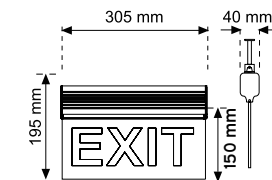
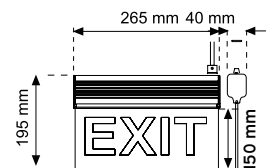
LED Emergency Sign Lighting Armatures
Hanging Apparatus with Double Sided Chain***



NEW PRODUCT

ALUMINIUM BODY

- 12-48 hours charging
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time



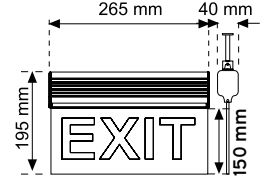
85-230V~50/60Hz	M Maintained	3 Hours	162V 1000 mAh AA/Ni-MH	-20°C ~ +40°C	IP 20 II CLASS

*** Emergency Guiding Stickers



18110-265mm / 18130-265mm

Slim LED Emergency Sign Lighting Armatures
Chain Assembling



- 48 hours charging time
- Engraving options
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time

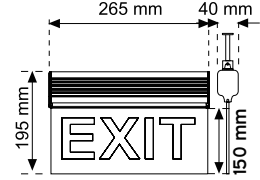
- 48 hours charging time
- Engraving options
- Aluminum body
- Minimum 3 hours emergency lighting time



Working Voltage	Operating Mode	Working in Emergency	Battery Type	Operating Temperature	Protection Class
85-230V~50/60Hz	Kesintisiz Yanar	3 Saat	142V 2000mAh AA NiMH	-20°C ~ +40°C	II Calass

18120-265mm / 18140-265mm

Slim LED Emergency Sign Lighting Armatures
Mounting Apparatus



- 48 hours charging time
- Engraving options
- Screen printing and label printing options
- Minimum 3 hours emergency lighting time

- 48 hours charging time
- Engraving options
- Aluminum body
- Minimum 3 hours emergency lighting time



Working Voltage	Operating Mode	Working in Emergency	Battery Type	Operating Temperature	Protection Class
85-230V~50/60Hz	Kesintisiz Yanar	3 Saat	142V 2000mAh AA NiMH	-20°C ~ +40°C	II Calass

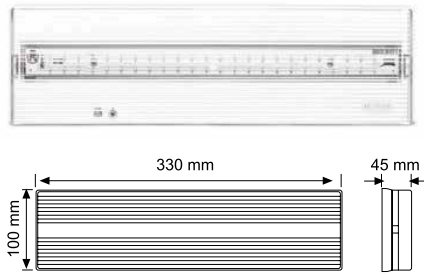
EMERGENCY LIGHTING & EMERGENCY GUIDANCE

***Emergency Guiding Stickers

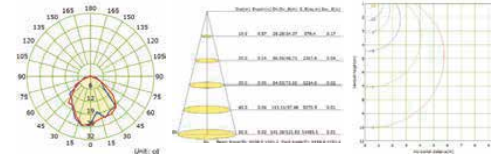




20024-48 Emergency Lighting Armature · Non-Maintained

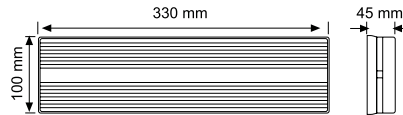


Luminous Intensity Distribution Curve Illuminance at a Distance Vertical IsoLux Plot



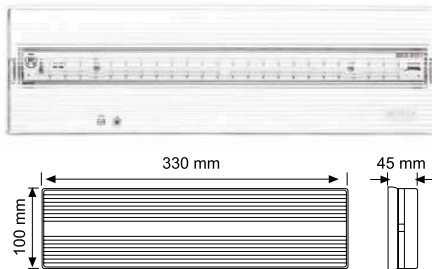
Working Voltage	Operating Mode
230-240V~ 50/60Hz	NM
Lighting Intensity (Lumen)	Working in Emergency
130 LM	3 Hours
Battery Type	Working Temperature
3x12V 2000 MAH AA NiMH	-20°C ~ +40°C
Protection Class	
IP 20	II CLASS

20024-48 Emergency Lighting Armature · Non-Maintained with Emergency Guarding Sticker ***

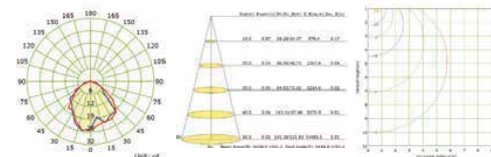


Working Voltage	Operating Mode
230-240V~ 50/60Hz	NM
Lighting Intensity (Lumen)	Working in Emergency
130 LM	3 Hours
Battery Type	Working Temperature
3x12V 2000 MAH AA NiMH	-20°C ~ +40°C
Protection Class	
IP 20	II CLASS

20124-48 Emergency Lighting Armature · Maintained

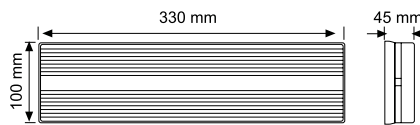


Luminous Intensity Distribution Curve Illuminance at a Distance Vertical IsoLux Plot



Working Voltage	Operating Mode
230-240V~ 50/60Hz	NM
Lighting Intensity (Lumen)	Working in Emergency
130 LM	3 Hours
Battery Type	Working Temperature
3x12V 2000 MAH AA NiMH	-20°C ~ +40°C
Protection Class	
IP 20	II CLASS

20124-48 Emergency Lighting Armature · Non-Maintained with Emergency Guarding Sticker ***



Working Voltage	Operating Mode
230-240V~ 50/60Hz	NM
Lighting Intensity (Lumen)	Working in Emergency
130 LM	3 Hours
Battery Type	Working Temperature
3x12V 2000 MAH AA NiMH	-20°C ~ +40°C
Protection Class	
IP 20	II CLASS

*** Emergency Guiding Stickers



17000



Cutting measure is 275mm
265 mm flush-mount apparatus (plastic)
LED emergency guidance fixtures flush-mounted apparatus

17001



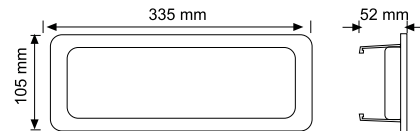
Cutting measure is 292mm
265 mm flush-mount apparatus (metal)
LED emergency guidance fixtures flush-mounted apparatus

17002



Cutting measure is 346mm
265 mm flush-mount apparatus (metal)
LED emergency guidance fixtures flush-mounted apparatus

19141



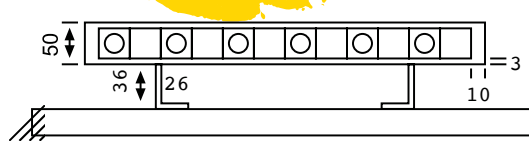
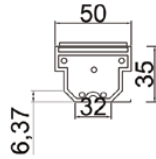
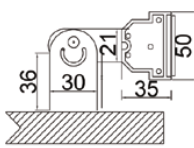
LED emergency guidance fixtures flush-mounted apparatus
Plastic flush-mount apparatus for 20024 or 20124

*** Emergency Guiding Sticker^S



(WALL WASHER) M22 SERIES

LINEPOWER CLASSIC
320 / 620 / 920 / 1220



(LENGTH)
320
620
920
1220

EVALINE CLASSIC 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
- DMX, Dali, 1-10V and Remote-Control Options
- Custom Design Option for Project
- Homogeneous Lighting in All LED Options
- Surface Mount and Recessed Mount Options



WALLWASH(Outdoor)



ARCHITECTURAL LIGHTING

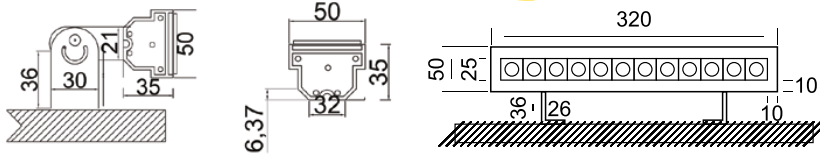


DATA SHEET	LINEPOWER 320 CLASSIC	LINEPOWER 620 CLASSIC	LINEPOWER 920 CLASSIC	LINEPOWER 1220 CLASSIC
LED Configuration	6	12	18	24
POWER CONSUMPTION	7 W	14 W	21 W	28 W
LUMINOUS FLUX				
COOL WHITE	710 lm	1420 lm	2129 lm	2839 lm
NATURAL WHITE	710 lm	1420 lm	2129 lm	2839 lm
WARM WHITE	546 lm	1092 lm	1638 lm	2184 lm
RGB	246 lm	492 lm	738 lm	984 lm
RED	278 lm	557 lm	835 lm	1114 lm
GREEN	399 lm	797 lm	1196 lm	1594 lm
BLUE	218 lm	437 lm	655 lm	874 lm
AMBER	278 lm	557 lm	835 lm	1114 lm
WEIGHT	750 g	1500 g	2200 g	3000 g
DIMENSIONS	320x50x35 mm	620x50x35 mm	920x50x35 mm	1220x50x35 mm
INPUT VOLTAGE	180-265 V AC			
COLOR RANGE	2700K - 7000K, RGB, RED, GREEN, BLUE, AMBER			
BEAM ANGLE	10°, 15°, 25°, 10°x60°			
OPERATING TEMPERATURE	- 20° / +50° C			
SOURCE LIFE (hours)	50 000 hours @70 lm			
HOUSING	Anodized Aluminum			
IP (INGRESS PROTECTION)	IP66			
DIMMING	Dimmable (optional)			



LINEPOWER PLUS 320 / 620 / 920 / 1220

(WALL WASHER) M22 SERİSİ



x	(LENGTH)
	320
	620
	920
	1220

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

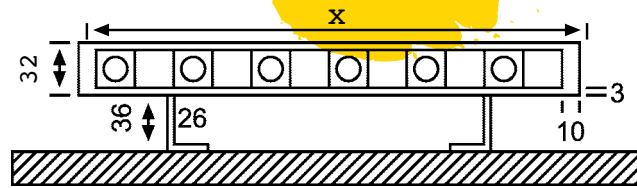
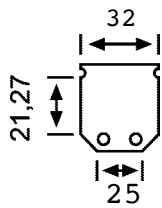
- Different Length Options
- Different Body Color Options
- Different Fitting Options
- Different Light Color Options
- No UV, Mercury and Lead free
- DMX, Dali, 1-10V and Remote-Control Options
- Custom Design Option for Project
- Homogeneous Lighting in All LED Options
- Surface Mount and Recessed Mount Options



	LINEPOWER 320 PLUS	LINEPOWER 620 PLUS	LINEPOWER 920 PLUS	LINEPOWER 1220 PLUS
DATA SHEET				
LED Configuration	12	24	36	48
POWER CONSUMPTION	14 W	28 W	42 W	56 W
LUMINOUS FLUX				
Cool White	1420 lm	2839 lm	4259 lm	5678 lm
Natural White	1420 lm	2839 lm	4259 lm	5678 lm
Warm White	1092 lm	2184 lm	3276 lm	4368 lm
RGB	492 lm	984 lm	1476 lm	1968 lm
Red	557 lm	1114 lm	1671 lm	2228 lm
Green	797 lm	1594 lm	2391 lm	3189 lm
Blue	437 lm	874 lm	1310 lm	1747 lm
Amber	557 lm	1114 lm	1671 lm	2228 lm
WEIGHT	800 g	1500 g	2200 g	3000 g
DIMENSIONS	320x50x35 mm	620x50x35 mm	920x50x35 mm	1220x50x35 mm
INPUT VOLTAGE	180-265 V AC			
COLOR RANGE	2700K - 7000K, RGB, RED, GREEN, BLUE, AMBER			
BEAM ANGLE	10°, 15°, 25°, 10°x60°			
OPERATING TEMPERATURE	- 20° / +50° C			
SOURCE LIFE (hours)	50 000 hours @70 lm			
HOUSING	Anodized Aluminum			
IP (INGRESS PROTECTION)	IP66			
DIMMING	Dimmable (optional)			

(WALL WASHER) M21 SERIES

EVALINE CLASSIC
320 / 620 / 920 / 1220



x	(LENGTH)
	320
	620
	920
	1220

EVALINE CLASSIC 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
- DMX, Dali, 1-10V and Remote-Control Options
- Custom Design Option for Project
- Homogeneous Lighting in All LED Options
- Surface Mount and Recessed Mount Options



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

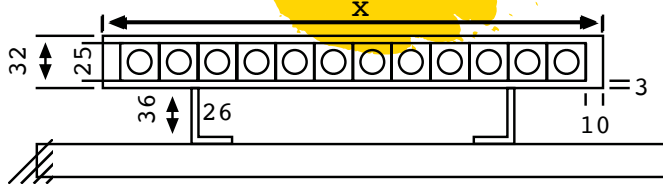
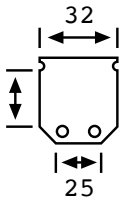


DATA SHEET	EVALINE 320 CLASSIC	EVALINE 620 CLASSIC	EVALINE 920 CLASSIC	EVALINE 1220 CLASSIC
LED Configuration	6	12	18	24
POWER CONSUMPTION	7 W	14 W	21 W	28 W
LUMINOUS FLUX				
COOL WHITE	710 lm	1420 lm	2129 lm	2839 lm
NATURAL WHITE	710 lm	1420 lm	2129 lm	2839 lm
WARM WHITE	546 lm	1092 lm	1638 lm	2184 lm
RGB	246 lm	492 lm	738 lm	984 lm
RED	278 lm	557 lm	835 lm	1114 lm
GREEN	399 lm	797 lm	1196 lm	1594 lm
BLUE	218 lm	437 lm	655 lm	874 lm
AMBER	278 lm	557 lm	835 lm	1114 lm
WEIGHT	750 g	1500 g	2200 g	3000 g
DIMENSIONS	320x32x29 mm	620x32x29 mm	920x32x29 mm	1220x32x29 mm
INPUT VOLTAGE	180 - 265 V AC			
COLOR RANGE	2700K - 7000K, RGB, RED, GREEN, BLUE, AMBER			
BEAM ANGLE	30°x60°, 60°x90°, 60°x135°			
OPERATING TEMPERATURE	- 20° / +50° C			
SOURCE LIFE (hours)	50 000 hours @70 lm			
HOUSING	Anodized Aluminum			
IP (INGRESS PROTECTION)	IP20			
DIMMING	Dimmable (optional)			



EVALINE PLUS 320 / 620 / 920 / 1220

(WALL WASHER) M21 SERIES



X	(LENGTH)
	320
	620
	920
	1220

EVALINE PLUS 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
- DMX, Dali, 1-10V and Remote Control Options
- Custom Design Option for Project



WALLWASH(Outdoor)



ARCHITECTURAL LIGHTING



	EVALINE 320 PLUS	EVALINE 620 PLUS	EVALINE 920 PLUS	EVALINE 1220 PLUS
DATA SHEET				
LED Configuration	12	24	36	48
POWER CONSUMPTION	14 W	28 W	42 W	56 W
LUMINOUS FLUX				
COOL WHITE	1420 lm	2839 lm	4259 lm	5678 lm
NATURAL WHITE	1420 lm	2839 lm	4259 lm	5678 lm
WARM WHITE	1092 lm	2184 lm	3276 lm	4368 lm
RGB	492 lm	984 lm	1476 lm	1968 lm
RED	557 lm	1114 lm	1671 lm	2228 lm
GREEN	797 lm	1594 lm	2391 lm	3189 lm
BLUE	437 lm	874 lm	1310 lm	1747 lm
AMBER	557 lm	1114 lm	1671 lm	2228 lm
WEIGHT	700 g	1350 g	1900 g	2600 g
DIMENSIONS	320x32x26 mm	620x32x26 mm	920x32x26 mm	1220x32x26 mm
INPUT VOLTAGE	180-265 V AC			
COLOR RANGE	2700K - 7000K, RGB, RED, GREEN, BLUE, AMBER			
BEAM ANGLE	30°x60°, 60°x90°, 60°x135°			
OPERATING TEMPERATURE	- 20° / +50° C			
SOURCE LIFE (hours)	50 000 hours @70 lm			
HOUSING	Anodized Aluminum			
IP (INGRESS PROTECTION)	IP20			
DIMMING	Dimmable (optional)			



- MICRA GEN2 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



ARCHITECTURAL LIGHTING



FLOOD LIGHTING



INDUSTRIAL LIGHTING



	MICRA GEN2 60	MICRA GEN2 80	MICRA GEN2 100
DATA SHEET	60	80	100
POWER CONSUMPTION	60 W	80 W	100 W
INPUT VOLTAGE	220 - 240 V AC		
POWER FACTOR	>0.9		
COLOR RANGE	2700 K-7000 K		
BEAM ANGLE	30°, 60°, 90° AND ASYMETRIC OPTIONAL		
OPERATING TEMPERATURE	- 10° / +40° C		
SOURCE LIFE (hours)	50 000 hours @70 lm		
HOUSING	Powder Coating		
IP (INGRESS PROTECTION)	IP65		



MICRA GEN3

FLOOD LIGHT IP65 M14 SERIES

NEW
PRODUCT



- 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



ARCHITECTURAL LIGHTING



FLOOD LIGHTING



INDUSTRIAL LIGHTING



	MICRA GEN3 100	MICRA GEN3 150
DATA SHEET		
POWER CONSUMPTION	100W	150W
INPUT VOLTAGE	220 - 240 V AC	
POWER FACTOR	>0.9	
COLOR RANGE	2700 K-7000 K	
BEAM ANGLE (WITH LENS)	30°, 60°, 90° AND ASYMETRIC OPTIONAL	
OPERATING TEMPERATURE	- 10° / +40° C	
SOURCE LIFE (hours)	50 000 hours @70 lm	
HOUSING	Powder Coating	
IP (INGRESS PROTECTION)	IP65	
LUMINOUS FLUX	10000 lm	15000 lm
DIMENSIONS	L: 315 W: 288 H: 200	

NEW PRODUCT



EMERGENCY LIGHTING & EMERGENCY GUIDANCE



Different Light Color Options
No UV, Mercury and Lead free
Custom Design Option for Project



ARCHITECTURAL LIGHTING



FLOOD LIGHTING



INDUSTRIAL LIGHTING

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

GRASSIAS FLOODLIGHT	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 @70 lm				
HOUSING	Powder Coating				
IP (INGRESS PROTECTION)	IP66				
LUMINOUS FLUX	2700 lm	4500 lm	9000 lm	13500 lm	18000 lm
DIMENSIONS	150x120x20	212x148x30	267x178x40	317x220x40	343x250x45



GRASSIAS

FLOOD LIGHT

IP66 SERIES



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

HIGH BAY

M25 SERIES



- * 550 mm
- * 1050 mm
- * 1550 mm

- HIGH BAY is linear light fixture that is designed with different light color and size options.

- Different Size Options
- Different Light Color Options
- High Efficiency
- Custom Design Options



INDUSTRIAL LIGHTING



RETAIL SHOPS LIGHTING



DECORATIVE LIGHTING
(indoor - outdoor)



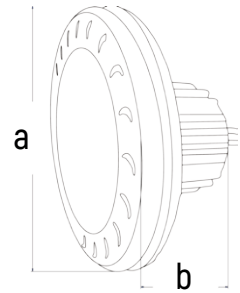
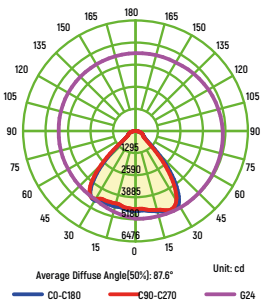
	HIGH BAY 55	HIGH BAY 105	HIGH BAY 155
DATA SHEET			
LED Configuration	216	432	648
POWER CONSUMPTION	60 W	120 W	150 W
LUMINOUS FLUX	7032 lm	14064 lm	17580 lm
WEIGHT	3.00 Kg	5.00 Kg	8.00 Kg
DIMENSIONS	550x150x50 mm	1050x150x50 mm	1550x150x50 mm
LED EFFICIENCY	115 lm/W	115 lm/W	115 lm/W
INPUT VOLTAGE		180-265 V AC	
COLOR RANGE		2700K - 7000K	
BEAM ANGLE		90x120° Asymmetric	
OPERATING TEMPERATURE		-20° / +50° C	
SOURCE LIFE (hours)		50 000 hours	
HOUSING		Aluminum	
IP (INGRESS PROTECTION)		IP65	

HIGH CEILING ARMATURE

PENDANT
LUMINAIRE



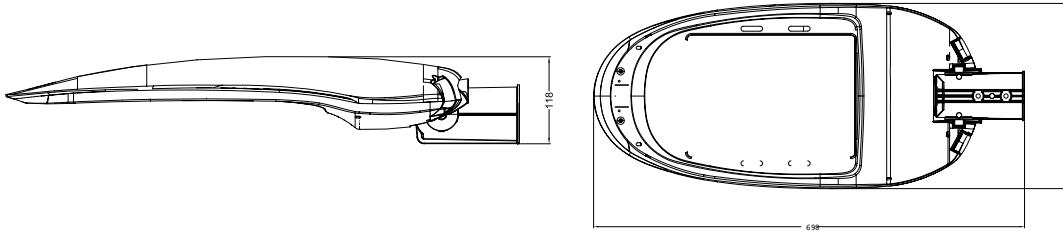
Light intensity distribution curve



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

HIGH CEILING ARMATURE SERIES	Power	Luminous Flux	Colour Temp.	Luminous Effic.	Dimensions	Pcs/Pack
	(W)	(lm)	(K)	(lm/W)	(mm) a b	
	100	11000	3000	110	320*121	2
	100	11000	4000	110	320*121	2
	100	11000	6500	110	320*121	2
	150	20250	3000	135	320*121	2
	150	20250	4000	135	320*121	2
	150	20250	6500	135	320*121	2
	200	27000	3000	135	360*121	2
	200	27000	4000	135	360*121	2
	200	27000	6500	135	360*121	2

STREET LIGHTING M13 SERIES LS021-LS022 STREETLIGHT



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



STREET LIGHTING (outdoor)

- Different Power Options
- Different Body Color Options
- Different Lamppost Options
- Different Light Color Options
- Dimming (OPT)
- Custom design option for project

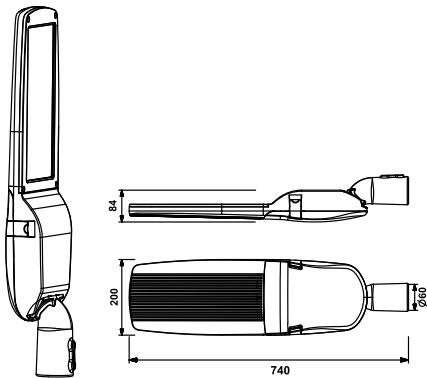
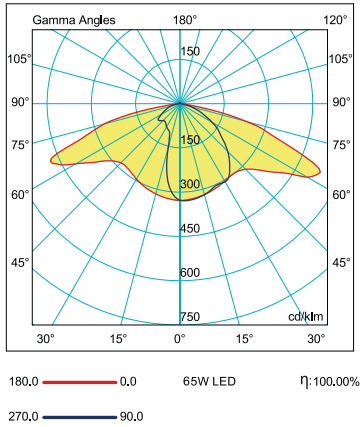


DATA SHEET	LS021 STREET	LS022 STREET
LED Configuration	48	24
POWER CONSUMPTION	100-120-140 W	60-80 W
LUMINOUS FLUX		
COOL WHITE	16000 lm	9000 lm
NATURAL WHITE	16000 lm	9000 lm
WARM WHITE	15500 lm	8500 lm
WEIGHT	9.8 Kg	6.3 Kg
DIMENSIONS	365x858x133 mm	300x698x118 mm
DIAMETER		40-60 mm
POLE HEIGHT		6-15 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 @70 lm
HOUSING		Aluminum Powder Coating
IP (INGRESS PROTECTION)		IP66
DIMMING		Non-dimmable

ROAD and STREET LIGHTING



Light intensity distribution curve

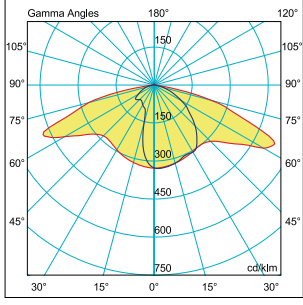


STREET ARMATURE SERIES	Power	Luminous Flux	Colour Temp.	Luminous Effic.
ND-BK-100W-ST-ECO	100	11000	(3000,4000,6500)	110
ND-BK-120W-ST-ECC	120	13200	(3000,4000,6500)	110
ND-BK-150W-ST-ECC	150	16500	(3000,4000,6500)	110
ND-BK-60W-ST-PRO	60	7500	(3000,4000,6500)	125
ND-BK-80W-ST-PRO	80	10000	(3000,4000,6500)	125
ND-BK-100W-ST-PRO	100	12500	(3000,4000,6500)	125
ND-BK-120W-ST-PRO	120	15000	(3000,4000,6500)	125
ND-BK-140W-ST-PRO	140	17500	(3000,4000,6500)	125
ND-BK-60W-ST-PRP	60	8400	(3000,4000,6500)	140
ND-BK-80W-ST-PRP	80	11200	(3000,4000,6500)	140
ND-BK-100W-ST-PRP	100	14000	(3000,4000,6500)	140
ND-BK-120W-ST-PRP	120	16800	(3000,4000,6500)	140
ND-BK-150W-ST-PRP	150	21000	(3000,4000,6500)	140

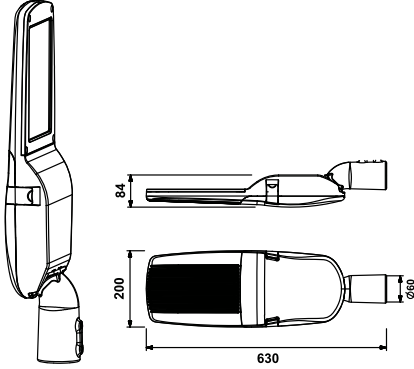
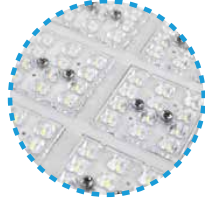
EMERGENCY LIGHTING & EMERGENCY GUIDANCE

ROAD and STREET LIGHTING

Işık Şiddeti Dağılım Eğrisi



180,0 — 0,0 65W LED η :100,00%
270,0 — 90,0



STREET ARMATURE SERIES	Power	Luminous Flux	Colour Temp.	Luminous Effic.
ND-KK-40W-ST-ECO	40	4400	(3000,4000,6500)	110
ND-KK-50W-ST-ECO	50	5500	(3000,4000,6500)	110
ND-KK-60W-ST-ECO	60	6600	(3000,4000,6500)	110
ND-KK-80W-ST-ECO	80	8800	(3000,4000,6500)	110
ND-KK-40W-ST-PRO	40	5000	(3000,4000,6500)	125
ND-KK-50W-ST-PRO	50	6250	(3000,4000,6500)	125
ND-KK-60W-ST-PRO	60	7500	(3000,4000,6500)	125
ND-KK-80W-ST-PRO	80	10000	(3000,4000,6500)	125
ND-KK-40W-ST-PRP	40	5600	(3000,4000,6500)	140
ND-KK-60W-ST-PRP	60	8400	(3000,4000,6500)	140
ND-KK-80W-ST-PRP	80	11200	(3000,4000,6500)	140
ND-KK-100W-ST-PRP	100	14000	(3000,4000,6500)	140



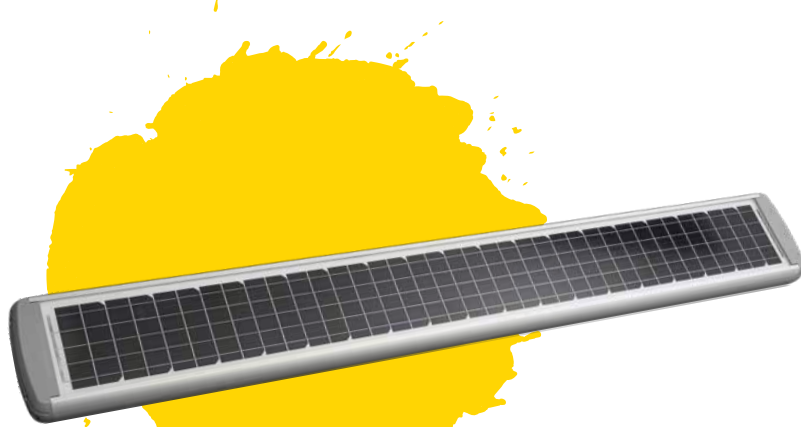
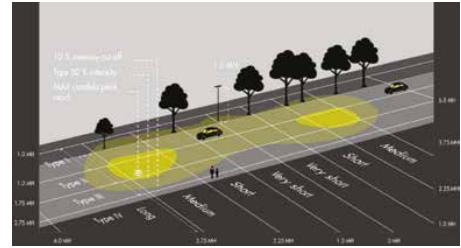
EMERGENCY LIGHTING & EMERGENCY GUIDANCE

SAVLIGHT SOLAR LIGHTING

na·de

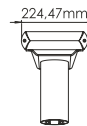
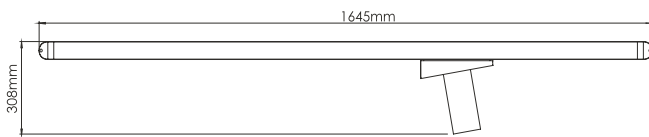
SAVLIGHT SOLAR LIGHTING

NEW
PRODUCT



FIELD of APPLICATIONS

- Parks
- Bicycle Paths
- Playgrounds
- Walking Trails
- Emergency Assembly Points
- Parking Lots
- Transport Routes, Bus Stops
- Factory Areas
- Mine
- University Campuses
- Plazas



ADVANTAGES

- Lightweight
- Minimum Wind Load
- Zero Carbon Emissions
- Easy Montage, No Excavation/Wiring Required
- Replaceable Battery and Panel Capacity
- UV Protection and IP67 Polycarbonate (PC)/PMMA Lens
- IP65 Protection Class
- Remote Control
- RF Gateway and Wireless Control (Optional)

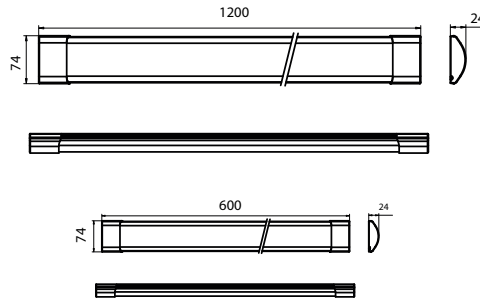
LED LIGHT WITH SOCKET

CE EMC LVD

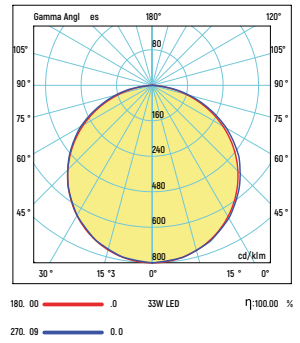
SYSTEM COMPONENTS	FEATURES	MODELS									
		SavLight-40	SavLight-50	SavLight-60	SavLight-80	SavLight-90	SavLight-100	SavLight-120	SavLight-150		
LIGHT SOURCE	Maximum Light Lumen	3900	5600	6700	8000	9000	10600	11500	15500		
	Colour Temperature	4000K High Efficiency LED (on request 3000K-6500K)									
	LED Model	Power LED, 5050, SEOUL / CREE / SAMSUNG LM80									
	LED Efficiency	160 lumen/watt (Maximum 223 lumen/watt)									
	Lens Efficiency	94%									
	Average Light Level	10-15 lux									
	Recommended Most 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		
Field Lighting Classification	IESNA Type 2, Type 3 and Type 4										
SOLAR PANEL	Solar Panel Power	51W	51W	64W	115W	115W	128W	128W	128W		
	Solar Panel Type	Half-cut, Monoperc, 5-bus bar									
	Solar Panel Efficiency	22%									
	Solar Panel Life	25 years									
BATTERY	Battery Type	LiFePO4									
	Battery Capacity	230Wh	307Wh	384Wh	460Wh	537Wh	614Wh	614Wh	614Wh		
	Battery Life	3000 Cycle at 25° and 90% DoD, 8-10 years									
MPPT	Armature Control	MPTT control; Smart / Timed / Motion Detector (Optional grid-connected hybrid)									
	Charging Time	5-6 hours									
	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% 4 hours	100% 4 hours	100% 4 hours	100% 4 hours	100% 4 hours	100% 4 hours	100% 4 hours	100% 4 hours		
		50% 8 hours	50% 8 hours	50% 8 hours	50% 8 hours	50% 8 hours	50% 8 hours	50% 8 hours	50% 8 hours		
MAIN VAULT	Body and Battery Box	Aluminum Anodized Covering									
	Dimensions	1645 mm			2020 mm						

LINEER LED LIGHT

Aluminium Body IP 40



Light intensity distribution curve

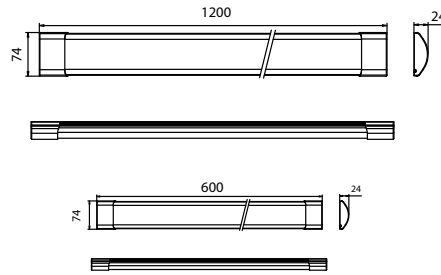


LED LIGHT WITH SOCKET	Power (W)	Luminous Flux (lm)	Colour Temp. (K)	Luminous Effic. (lm/W)	Dimensions (mm) a b c	Pcs/Pack
	18	1458	3000	80	600*74*24	60
	18	1458	4000	80	600*74*24	60
	18	1458	6500	80	600*74*24	60
	36	2916	3000	80	1200*74*24	30
	36	2916	4000	80	1200*74*24	30
	36	2916	6500	80	1200*74*24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

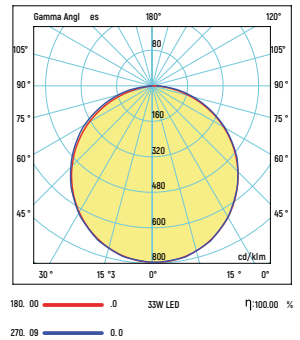
WITH SOCKET

LINEER LED LIGHT

Aluminium Body IP 40



Light intensity distribution curve



LED LIGHT WITH SOCKET	Power (W)	Luminous Flux (lm)	Colour Temp. (K)	Luminous Effic. (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

LED WATERPROOF ARMATURE

DND WATERPROOF ARMATURE

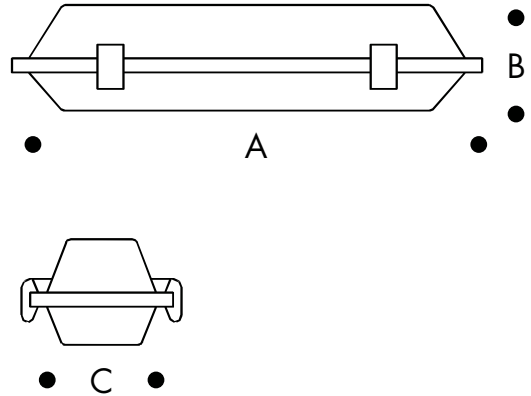
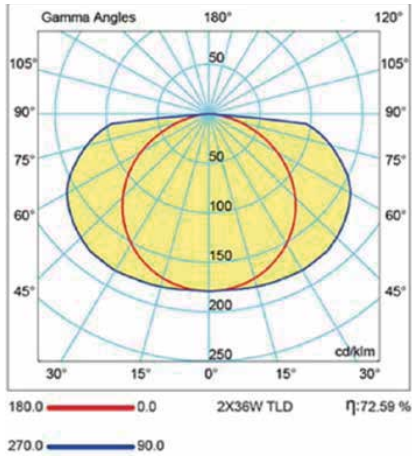
NEW
PRODUCT



SURFACE
MOUNT



Luminous Intensity Distribution Curve



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

CODE NO	Voltage (V)	Power (W)	Luminous Flux	Colour Temp.	Protection Class (IP)	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour
109.02.3413	220	40	3600	3000K	65	YES	1200	124	100	WHITE
109.02.3414	220	40	3600	4000K	65	YES	1200	124	100	WHITE
109.02.3416	220	40	3600	6500K	65	YES	1200	124	100	WHITE



NEW
PRODUCT

IND WATERPROOF ARMATURE

LED WATERPROOF ARMATURE

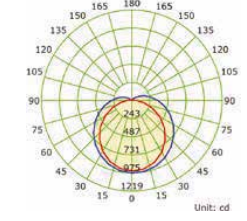
PMMA LGP



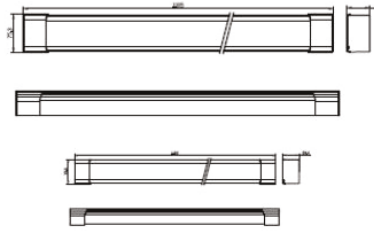
SURFACE
MOUNT



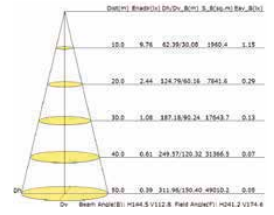
Luminous Intensity Distribution Curve



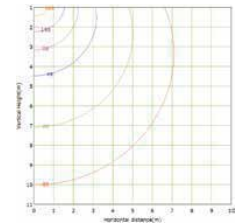
Teknik Çizim Technical Drawing



Illuminance at a Distance



Vertical IsoLux Plot



CODE NO	Voltage (V)	Power (W)	Luminous Flux	Colour Temp.	Protection Class (IP)	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour
M291201304000	220	40	3600	3000K	65	YES	1200	80	75	GREY
M291201404000	220	40	3600	4000K	65	YES	1200	80	75	GREY
1M291201654000	220	40	3600	6500K	65	YES	1200	80	75	GREY



NEW
PRODUCT

IND WATERPROOF ARMATURES with EMERGENCY KIT

LED WATERPROOF ARMATURE with EMERGENCY KIT

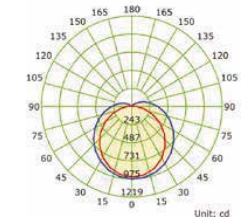
PMMA LGP



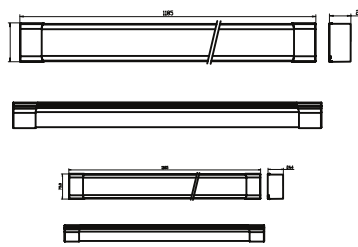
SURFACE
MOUNT



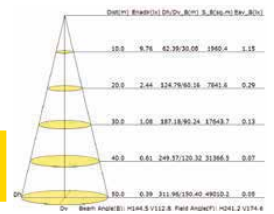
Luminous Intensity Distribution Curve



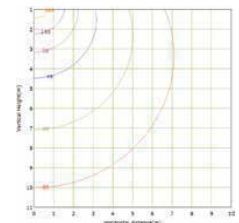
Technical Drawing



Illuminance at a Distance



Vertical IsoLux Plot



CODE NO	Voltage (V)	Power (W)	Luminous Flux	Colour Temp.	Protection Class (IP)	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour	Kasa Rengi
M291201304001	220	40	3600	3H	3000K	65	YES	1200	80	75	GREY
M291201404001	220	40	3600	3H	4000K	65	YES	1200	80	75	GREY
M291201654001	220	40	3600	3H	6500K	65	YES	1200	80	75	GREY



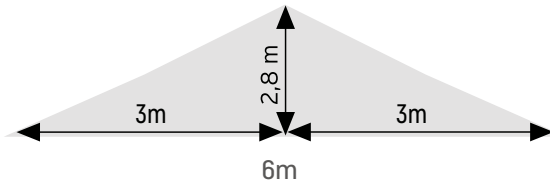
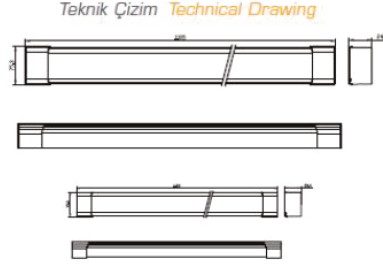
EMERGENCY LIGHTING & EMERGENCY GUIDANCE

LED WATERPROOF ARMATURE

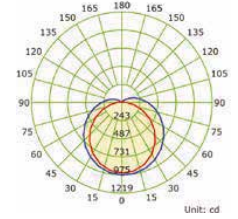
IND LED WATERPROOF ARMATURE with RADAR

YENİ ÜRÜN

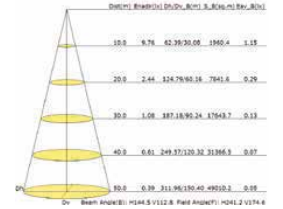
PMMA LGP



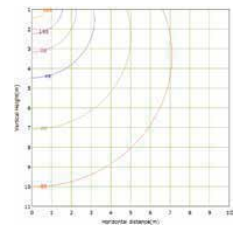
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

CODE NO	Voltage (V)	Power	Luminous Flux	Emergency Time	Colour Temperature	IP	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour
M291201304030	220	40	3600		3000K	65	VAR	1200	80	75	GRİ
M291201304031	220	40	3600	3H	3000K	65	VAR	1200	80	75	GRİ
M291201404030	220	40	3600		4000K	65	VAR	1200	80	75	GRİ
M291201404031	220	40	3600	3H	4000K	65	VAR	1200	80	75	GRİ
M291201654030	220	40	3600		6500K	65	VAR	1200	80	75	GRİ
M291201654031	220	40	3600	3H	6500K	65	VAR	1200	80	75	GRİ



The products in this group have IP66 feature.
ENEC certified driver is used.

LED WATERPROOF ARMATURE

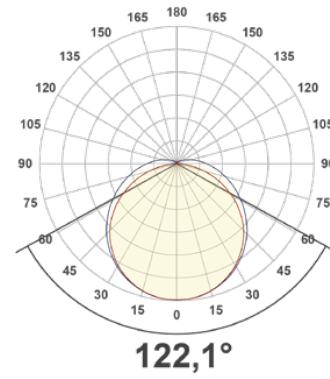


■ PMMA LGP

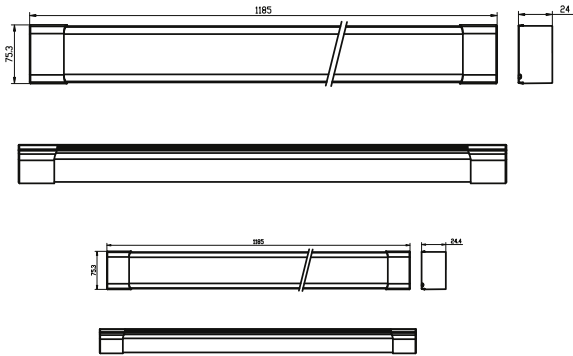
SURFACE MOUNT



Luminous Intensity Distribution Curve



Technical Drawing



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

ETANGE SERIES	Power (W)	Luminous Flux (lm)	Colour Temp. (K)	Luminous Effic. (lm/W)	Dimensions (mm) a b c	Pcs/Pack
	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

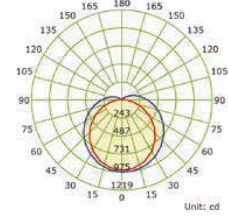
INDUSTRIAL ARMATURES

SITULA WATERPROOF ARMATURE

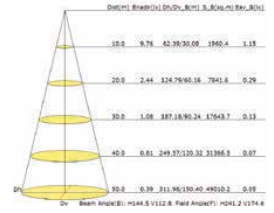
PMMA LGP



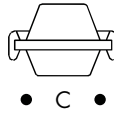
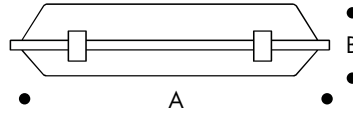
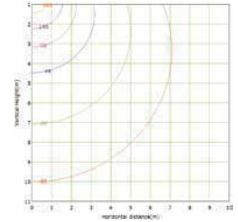
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



CODE NO	Voltage(V)	Power(W)	Luminous Flux	Colour Temp.	Protection Class (IP)	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour
(Lm)	Colour Temp.	Protection Class (IP)	Power Unit	A (mm)	B (mm)	C (mm)	Body Colour	90	90	GREY
109.01.3413	220	40	3800	3000K	65	YES	1274	90	90	GREY
109.01.3414	220	40	3800	4000K	65	YES	1274	90	90	GREY
109.01.3416	220	40	3800	6500K	65	YES	1274	90	90	GREY



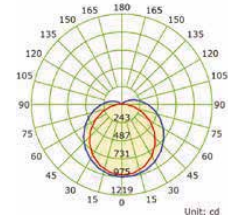
INDUSTRIAL ARMATURES

SITULA WATERPROOF ARMATURE with HF SENSOR

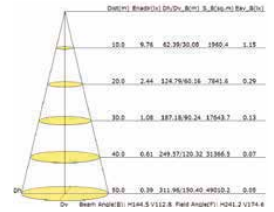
PMMA LGP



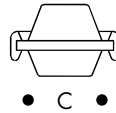
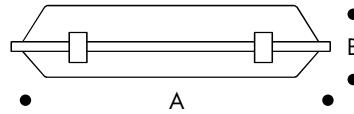
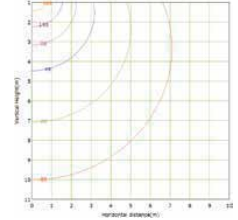
Luminous Intensity Distribution Curve



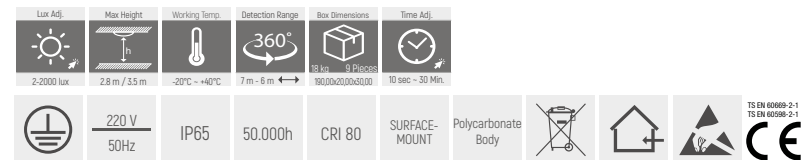
Illuminance at a Distance



Vertical IsoLux Plot



CODE NO	Voltage (V)	Power (W)	Luminous Flux (Lm)	Colour Temp.	Protection Class (IP)	LED Effic. (Lm/W)	A (mm)	B (mm)	C (mm)	Body Colour
109.01.3413-R	220	40	4000	3000K	65	100	1274	90	90	GREY
109.01.3414-R	220	40	4000	4000K	65	100	1274	90	90	GREY
109.01.3416-R	220	40	4000	6500K	65	100	1274	90	90	GREY



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

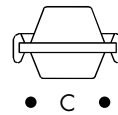
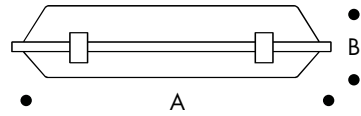
SITULA WATERPROOF ARMATURE with EMERGENCY LIGHT

INDUSTRIAL ARMATURES



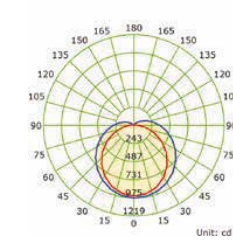
SURFACE MOUNT

PMMA LGP

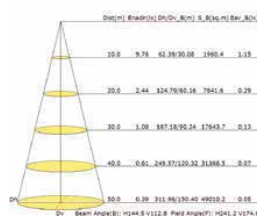


EMERGENCY LIGHTING & EMERGENCY GUIDANCE

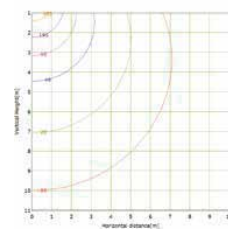
Luminous Intensity Distribution Curve



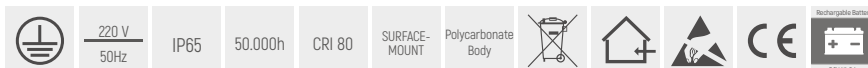
Illuminance at a Distance



Vertical IsoLux Plot



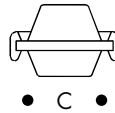
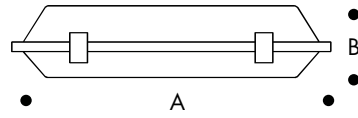
CODE NO	Voltage (V)	Power (W)	Luminous Flux	Emergency Kit	Colour Temp.	IP	LED Effic. (Lm/W)	A (mm)	B (mm)	C (mm)	Body Color
109.01.3413-1H	220	40W	4000	1H	3000K	65	100	1274	90	90	GREY
109.01.3414-1H	220	40W	4000	1H	4000K	65	100	1274	90	90	GREY
109.01.3416-1H	220	40W	4000	1H	6500K	65	100	1274	90	90	GREY
109.01.3413-3H	220	40W	4000	3H	3000K	65	100	1274	90	90	GREY
109.01.3414-3H	220	40W	4000	3H	4000K	65	100	1274	90	90	GREY
109.01.3416-3H	220V	40W	3800	3H	6500K	65	YES	1274	90	90	GREY



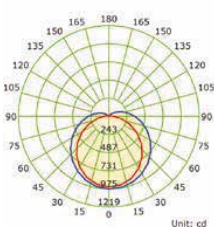
INDUSTRIAL ARMATURES

■ PMMA LGP

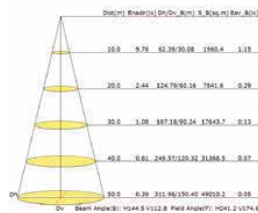
SITULA WATERPROOF ARMATURE with HF SENSOR & EMERGENCY LIGHT



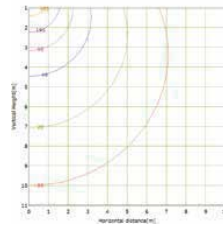
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



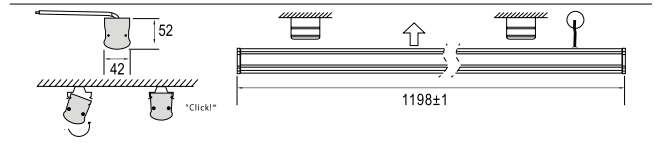
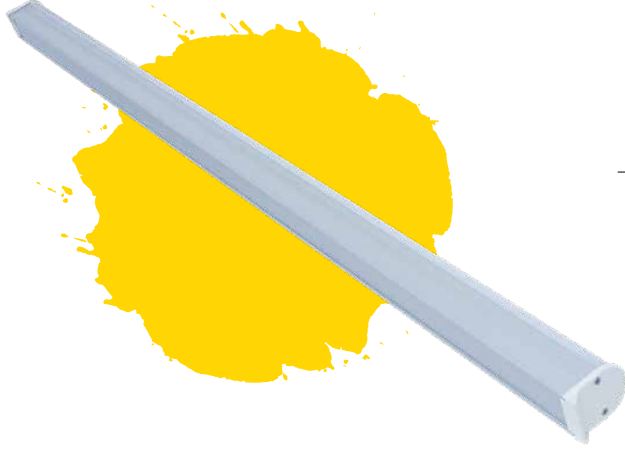
EMERGENCY LIGHTING & EMERGENCY GUIDANCE

CODE NO	Voltage (V)	Power (W)	Luminous Flux	Emergency Kit	Colour Temp.	IP	LED Effic. (Lm/W)	A (mm)	B (mm)	C (mm)	Body Color
109.01.3413-1H-R	220	40W	4000	1 HOUR	3000K	65	100	1274	90	90	GRİ
109.01.3414-1H-R	220	40W	4000	1 HOUR	4000K	65	100	1274	90	90	GRİ
109.01.3416-1H-R	220	40W	4000	1 HOUR	6500K	65	100	1274	90	90	GRİ
109.01.3413-3H-R	220	40W	4000	3 HOUR	3000K	65	100	1274	90	90	GRİ
109.01.3414-3H-R	220	40W	4000	3 HOUR	4000K	65	100	1274	90	90	GRİ
109.01.3416-3H-R	220V	40W	4000	3 HOUR	6500K	65	100	1274	90	90	GRİ

Lux Adj. 2-2000 lux	Max Height 2.8 m / 3.5 m	Working Temp. -20°C ~ +40°C	Detection Range 360° 7 m - 6 m	Box Dimensions 180x100x100/100x300	Time Adj. 10 sec. ~ 30 Min.	Rechargeable Battery 3.8V Ni-Cd	220 V 50Hz	IP65	50.000h	CRI 80	SURFACE-MOUNT	Polycarbonate Body	TS EN 60969-2-1 TS EN 60998-2-1
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WATERPROOF ARMATURE M28 SERIES

MEISSA-F6



- Meissa F6 is led linear fixture that is designed for interior lighting

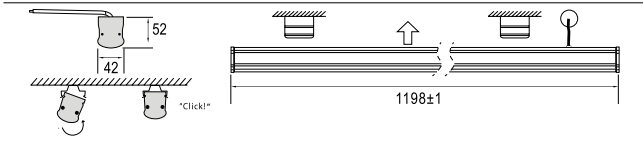
Low Power Consumption
High Efficiency
High Brightness
No UV, Mercury and Lead free
Different mounting options
Homogeneous Lighting in All LED Options



	NYXX MEISSA F6-20i	NYXX MEISSA F6-20i	NYXX MEISSA F6-40i
DATA SHEET			
LED CONFIGURATION	58	116	116
POWER CONSUMPTION	20 W	20 W	40 W
LUMINOUS FLUX NATURAL WHITE	2000 lm	2000 lm	4000 lm
WEIGHT	640 g	1350 g	1350 Kg
DIMENSIONS	600x45x55mm	1200x45x55 mm	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	
HOUSING		Aluminum	
CRI / CRI		>80	
IP [INGRESS PROTECTION]		IP20 - IP66	
DIMMING		Dimmable (optional)	

MEISSA-F7

WATERPROOF ARMATURE M28 SERIES



- Meissa F6 is led linear fixture that is designed for interior lighting



HOME & OFFICE LIGHTING



RETAIL SHOPS LIGHTING



DECORATIVE LIGHTING
(indoor - outdoor)

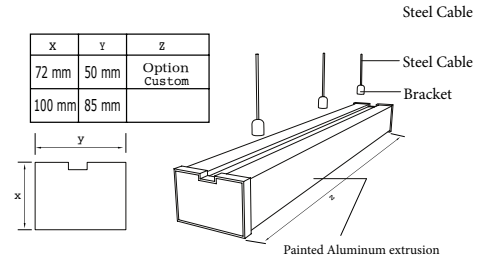
- Low Power Consumption
- High Efficiency
- High Brightness
- No UV, Mercury and Lead free
- Different mounting options
- Homogeneous Lighting in All LED Options



DATA SHEET	NYXX MEISSA F6-20i	NYXX MEISSA F6-20i	NYXX MEISSA F6-40i
LED CONFIGURATION	58	116	116
POWER CONSUMPTION	20 W	20 W	40 W
LUMINOUS FLUX NATURAL WHITE	2000 lm	2000 lm	4000 lm
WEIGHT	640 g	1350 g	1350 Kg
DIMENSIONS	600x45x55mm	1200x45x55 mm	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	
HOUSING		Aluminum	
CRI / CRI		>80	
IP (INGRESS PROTECTION)		IP20 - IP66	
DIMMING		Dimmable (optional)	

PENDANT FIXTURES

LIARA LINEER



- 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 Power Colors
- High Efficiency
- No UV, Mercury and Lead free
- Homogeneous Lighting in All Led Options
- Surface-Mounted and Pendant Mounting Options
- Case Color Options
- Homogeneous Lighting in All LED Options



DATA SHEET

	LIARA LINEER
LED CONFIGURATION	128 LED/m
POWER CONSUMPTION	35W/m
LUMINOUS FLUX	2100 lm/m
LED EFFICIENCY	60 Lm/W
WEIGHT	4 Kg
DIMENSIONS	72x50xmm
INPUT VOLTAGE	180-265 V AC
COLOR RANGE	2700K - 7000K
BEAM ANGLE	120°
OPERATING TEMPERATURE	-10° / +50° C
SOURCE LIFE	50 000 hours
HOUSING	Eloksallı Aluminum
IP (INGRESS PROTECTION)	IP20
CRI	>80
DIMMING	Dimmable (optional)

***This is a project product. Please contact for price and delivery date.

SLIM DOWNLIGHT CAPELLA

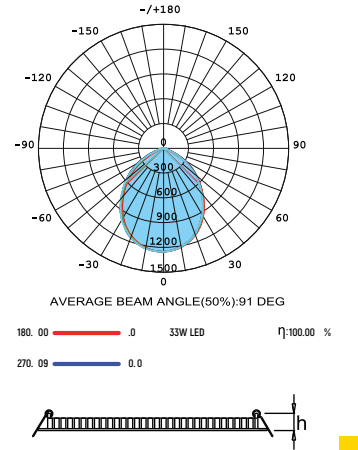
OFFICE ARMATURE



SURFACE
MOUNT



Light intensity distribution curve



SLIM DOWNLIGHT SERIES	Power (W)	Power Factor	Colour Temp.(K)	Colour Ren.(CRI)	Luminous Flux(lm)	Luminous Flux(lm)	□ (mm)	Protection	Pcs/Pack
	3	0,6	3000	>80	153	80	72	20	100
	3	0,6	4000	>80	153	80	72	20	100
	3	0,6	6500	>80	153	80	72	20	100
	6	0,6	3000	>80	372	80	105	20	80
	6	0,6	4000	>80	372	80	105	20	80
	6	0,6	6500	>80	372	80	105	20	80
	9	0,6	3000	>80	648	80	131	20	60
	9	0,6	4000	>80	648	80	131	20	60
	9	0,6	6500	>80	648	80	131	20	60
	12	0,6	3000	>80	828	80	154	20	40
	12	0,6	4000	>80	828	80	154	20	40
	12	0,6	6500	>80	828	80	154	20	40
	15	0,6	3000	>80	1170	80	182	20	40
	15	0,6	4000	>80	1170	80	182	20	40
	15	0,6	6500	>80	1170	80	182	20	40
	18	0,6	3000	>80	1530	80	202	20	40
	18	0,6	4000	>80	1530	80	202	20	40
	18	0,6	6500	>80	1350	80	202	20	40

BACKLIGHT MONTAJ APARATI

- 330X30 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



BACK LIGHT LED ASTERION

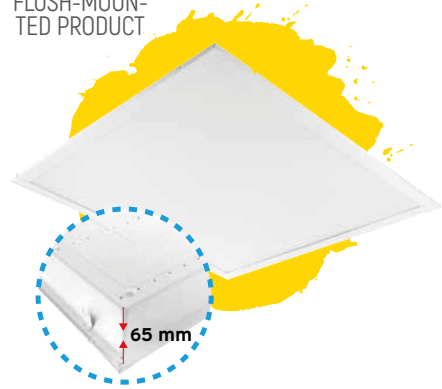
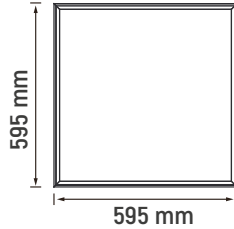
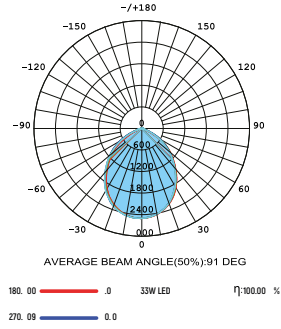
COMPATIBLE WITH INSTITUTIONAL SPECIFICATIONS MOUNT

OFFICE ARMATURE



FLUSH-MOUNTED PRODUCT

Luminous Intensity Distribution Curve



CE CB EMC LM-80

BACKLIGHT SERIES	Power (W)	Luminous Flux (lm)	Colour Temp. (K)	Luminous Effic. (lm/W)	Dimensions (mm) a b c	Ⓛ	Pcs/Pack
	18	1730	3000	110	295x295x35	275x275	5
	18	1730	4000	110	295x295x35	275x275	5
	18	1730	6500	110	295x295x35	275x275	5
	36	3456	3000	110	595x595x35	588x588	5
	36	3456	4000	110	595x595x35	588x588	5
	36	3456	6500	110	595x595x35	588x588	5

For 54W in 1195X595X35 mm size, please contact your sales consultant.

Surface-mounted apparatus is also provided.

NEW PRODUCT

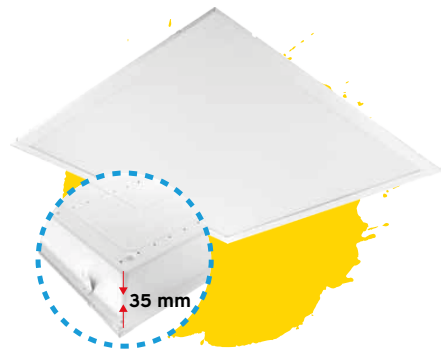
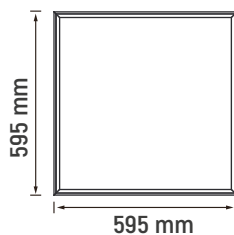
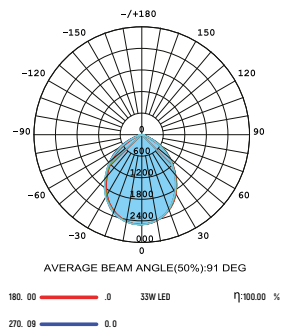
BACK LIGHT LED ASTERION

OFFICE ARMATURE



SURFACE MOUNT

Luminous Intensity Distribution Curve



CE CB EMC LM-80

BACKLIGHT SERIES	Power (W)	Luminous Flux (lm)	Colour Temp. (K)	Luminous Effic. (lm/W)	Dimensions (mm) a b c	Ⓛ	Pcs/Pack
T3030183000-CL	18	1730	3000	96	295x295x35	275x275	5
T3030184000-CL	18	1730	4000	96	295x295x35	275x275	5
T3030186500-CL	18	1730	6500	96	295x295x35	275x275	5
T3060243000-CL	24	2305	3000	96	595x295x35	575x275	5
T3060244000-CL	24	2305	4000	96	595x295x35	575x275	5
T3060246500-CL	24	2305	6500	96	595x295x35	575x275	5
T6060363000-CL	36	3456	3000	96	595x595x35	588x588	5
T6060364000-CL	36	3456	4000	96	595x595x35	588x588	5
T6060366500-CL	36	3456	6500	96	595x595x35	588x588	5

Flush-mounted apparatus is also provided.

EMERGENCY LIGHTING & EMERGENCY GUIDANCE

LIGHTING ARMATURE



TA 10220

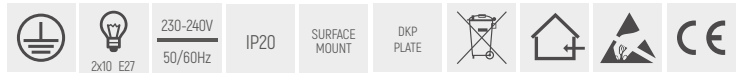
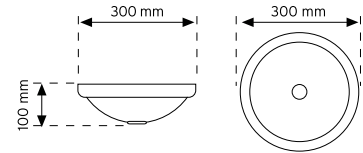
- A=300 mm
- B=100 mm



SURFACE MOUNT



TA 10220



LIGHTING ARMATURE



TA 10220CHROME

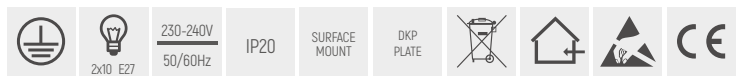
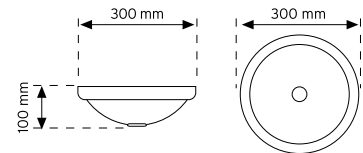
- A=300 mm
- B=100 mm



SURFACE MOUNT



TA 10220



LIGHTING ARMATURE



TA 10430

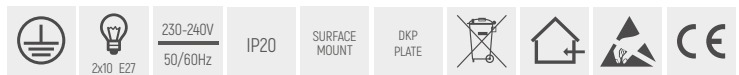
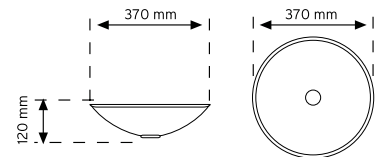
- A=370 mm
- B=120 mm



SURFACE MOUNT



TA 10430

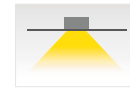


LIGHTING ARMATURE



TA 10430 CHROME

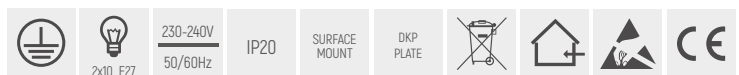
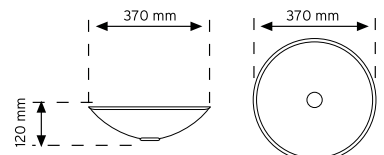
- A=370 mm
- B=120 mm

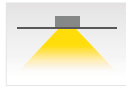


SURFACE MOUNT



TA 10430



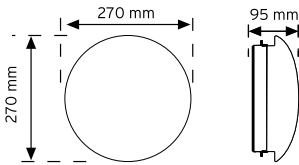


SURFACE MOUNT

10955

LIGHTING ARMATURE

10955



- A=270 mm
- B=95 mm
- Opal Glass



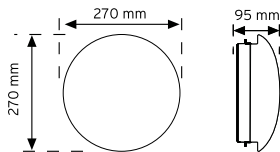
SURFACE MOUNT



10956

12W LIGHTING ARMATURE

10956

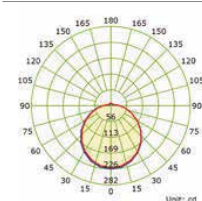


- A=270 mm B=95 mm
- Opal Glass
- Normal Lighting 600 lm

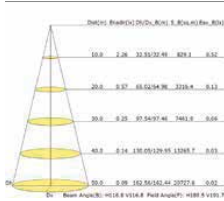


EMERGENCY LIGHTING & EMERGENCY GUIDANCE

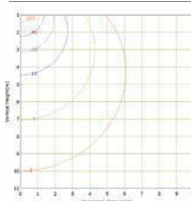
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



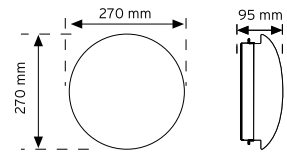
LIGHTING ARMATURE

10957



- A=270 mm
- B=95 mm
- Normal Light 600 lm
- Emergency Light 50 lm

10957



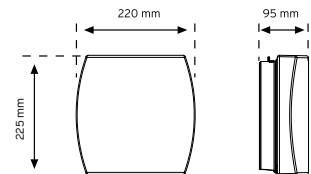
WALL MOUNTED LIGHTING ARMATURE

10805



- A=225 mm B=220 mm
- Protection Class

10805

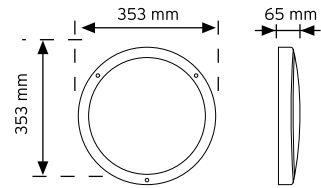


- Energy consumption of class A thanks to LED lighting
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1300 lm

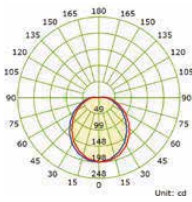
15W 10972



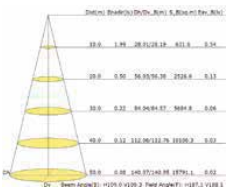
SURFACE MOUNT



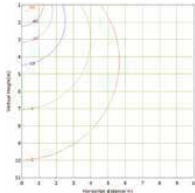
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage: 230-240V-50/60Hz
 Working Temp.: -20°C ~ +40°C
 Protection Class: IP 54
 II Class

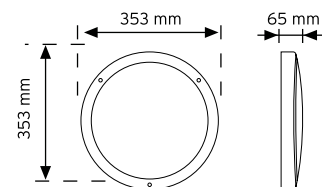


- Energy consumption of class A thanks to LED lighting
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 3,6x1000mAh Ni-Mh AA+ Battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Lighting 1300 lm
- Emergency Lighting 70 lm

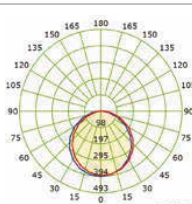
15W 10973



SURFACE MOUNT



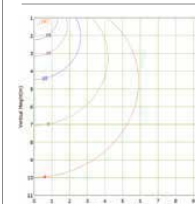
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

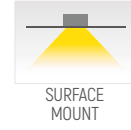


Working Voltage: 230-240V-50/60Hz
 Rechargeable Battery: 3.6V Ni-Mh Şarjlı Pili
 Working Temp.: -20°C ~ +40°C
 Protection Class: IP 54
 II Class

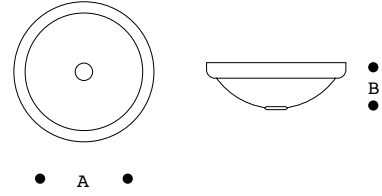


LIGHTING ARMATURE

ND1024 -12-03 12W



- A=300 mm
- B=100 mm



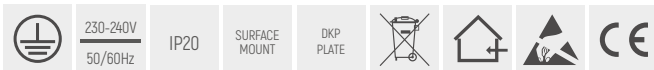
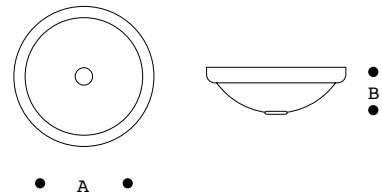
LIGHTING ARMATURE

ND1024.Ö

12W



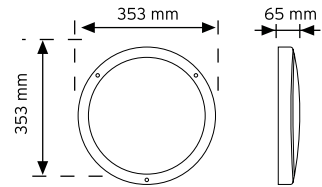
- A=300 mm
- B=100 mm



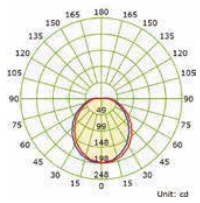
ND10972

LIGHTING ARMATURE

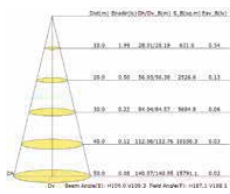
- Energy consumption of class A thanks to LED lighting
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1300 lm



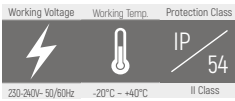
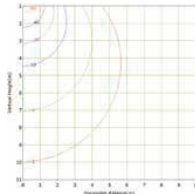
Luminous Intensity Distribution Curve



Illuminance at a Distance



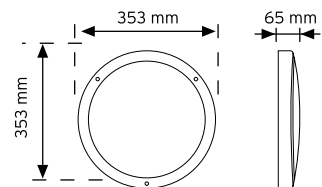
Vertical IsoLux Plot



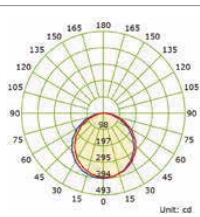
ND10972.Ö

LIGHTING ARMATURE

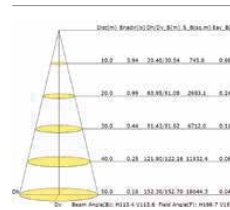
- Energy consumption of class A thanks to LED lighting
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 3,6x1000mAh Ni-Mh AA+ Battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Lighting 1300 lm
- Emergency Lighting 70 lm



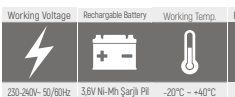
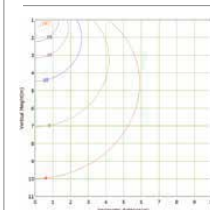
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

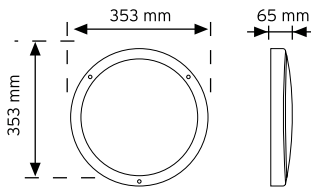


LIGHTING ARMATURE

ND10973

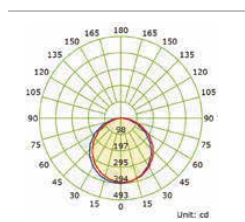


SURFACE MOUNT

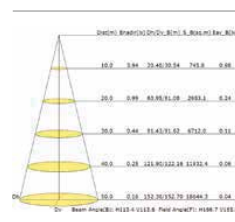


- Energy consumption of class A thanks to LED lighting
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 3,6x1000xmAh Ni-Mh AA+ Battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Lighting 1300 lm
- Emergency Lighting 70 lm

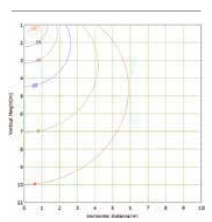
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



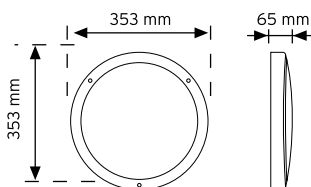
Working Voltage 230-240V- 50/60Hz	Rechargeable Battery 3,6V Ni-Mh Şarjli Pil	Working Temp. -20°C - +40°C	Protection Class IP 54 II Class				TS EN 60669-2-1 TS EN 60598-2-1 CE
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LIGHTING ARMATURE

ND10973.Ö

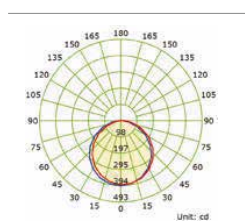


SURFACE MOUNT

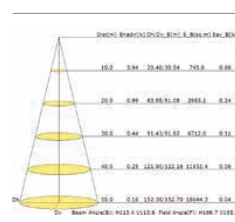


- Energy consumption of class A thanks to LED lighting
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 3,6x1000xmAh Ni-Mh AA+ Battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Lighting 1300 lm
- Emergency Lighting 70 lm

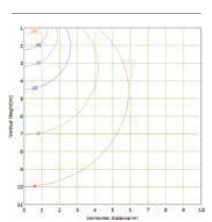
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage 230-240V- 50/60Hz	Rechargeable Battery 3,6V Ni-Mh Şarjli Pil	Working Temp. -20°C - +40°C	Protection Class IP 54 II Class				TS EN 60669-2-1 TS EN 60598-2-1 CE
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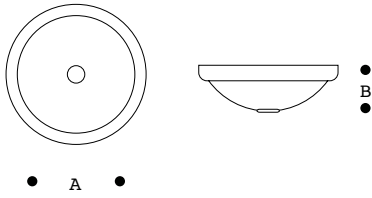
NDTA10220-PD-03

LIGHTING ARMATURE

NDTA10220-TPD-03



- A=300 mm
- B=100 mm

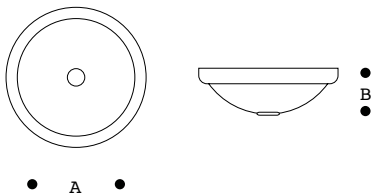


NDTA10220-K-PD-03

LIGHTING ARMATURE



- A=300 mm
- B=100 mm



OFFICE ARMATURE ROUND LED PANEL

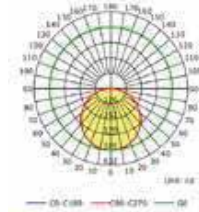


- Aluminum body
- PC/PMMA diffuser option
- IP40 protection class
- A=227 mm

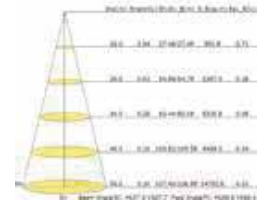


CODE NO	Model No	Power	Colour	Dimensions	Cutting Size	IP	Power Unit	Luminous Flux
ND-10-CY	10W	10W	3000-6500K	Φ93*H25	Φ70	40	VAR	800
ND-18-CY	18W	18W	3000-6500K	Φ123*H25	Φ100	40	VAR	1600
ND-24-CY	24W	24W	3000-6500K	Φ175*H25	Φ150	40	VAR	2280
ND-36-CY	36W	36W	3000-6500K	Φ228*H25	Φ200	40	VAR	3200

Luminous Intensity Distribution Curve



Illuminance at a Distance



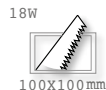
Vertical IsoLux Plot



OFFICE ARMATURE ROUND LED PANEL



- Aluminum body
- PC/PMMA diffuser option
- IP40 protection class
- A=227 mm

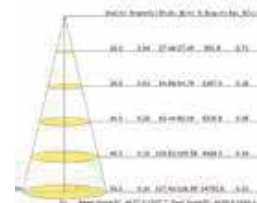


CODE NO	Model No	Power	Colour	Dimensions	Cutting Size	IP	Power Unit	Luminous Flux
ND-10-CK	10W	10W	3000-6500K	L93*W93*H25	L70*W70	40	VAR	890
ND-18-CK	18W	18W	3000-6500K	L123*W123*H25	L100*W100	40	VAR	1890
ND-24-CK	24W	24W	3000-6500K	L175*W175*H25	L150*W150	40	VAR	2400
ND-36-CK	36W	36W	3000-6500K	L228*W228*H25	L200*W200	40	VAR	3700

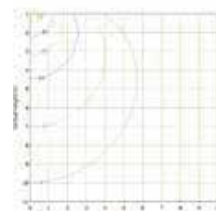
Luminous Intensity Distribution Curve



Illuminance at a Distance



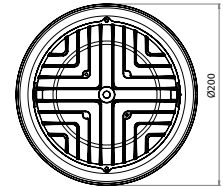
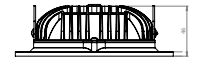
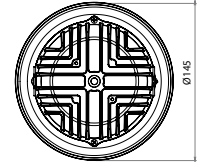
Vertical IsoLux Plot



NEW
PRODUCT



SURFACE
MOUNTED

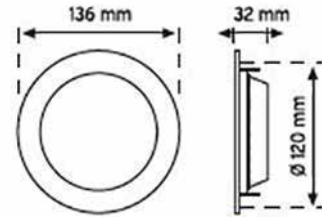


	CAPELLA 4"	CAPELLA 6"
DATA SHEET		
POWER CONSUMPTION	12 W	18 W
LUMINOUS FLUX	1050 lm	1650 lm
WEIGHT	460 g	828 g
DIMENSIONS	ø145 mm	ø200 mm
HOLE	ø125 mm	ø175 mm
INPUT VOLTAGE	180 - 265 V AC	
COLOR RANGE	2700 K-4000 K-6500 K	
BEAM ANGLE	90°	
OPERATING TEMPERATURE	- 20° / +50° C	
SOURCE LIFE	50 000 hours	
HOUSING	Aluminum	
IP (INGRESS PROTECTION)	IP40	
CRI	>85	

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

- Different Body Color Options
- Different Light Color Options
- No UV, Mercury and Lead free
- Different Case and Mounting Options
- Homogeneous Lighting in All LED Options

DOWNLIGHT VERO 4



VERO is recessed DOWNLIGHT LED fixture that provides high quality lighting with high energy efficiency

Different Body Color Options
 Different Light Color Options
 No UV, Mercury and Lead free
 Homogeneous Lighting in All LED Options



HOME & OFFICE LIGHTING



RETAIL SHOPS LIGHTING



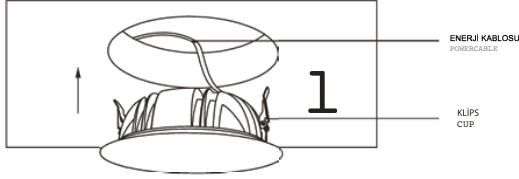
DECORATIVE LIGHTING (indoor - outdoor)



DATA SHEET	VERO 4
LED CONFIGURATION	30
POWER CONSUMPTION	11 W
LUMINOUS FLUX	806 lm
WEIGHT	350 g
DIMENSIONS	130x32 mm
HOLE	ø110 mm
INPUT VOLTAGE	180 - 265 V AC
COLOR RANGE	3000-4000 K
BEAM ANGLE	90°
OPERATING TEMPERATURE	- 20° / +50° C
SOURCE LIFE	50 000 hours
HOUSING	Aluminum
IP (INGRESS PROTECTION)	IP40
CRI	>80

MIASA 6"/ 8"

DOWNLIGHT



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

- Different Body Color Options
- Different Light Color Options
- No UV, Mercury and Lead free
- Different Case and Mounting Options
- Homogeneous Lighting in All LED Options



HOME & OFFICE
LIGHTING



RETAIL SHOPS LIGHTING



DECORATIVE LIGHTING
(indoor - outdoor)



	MIASA 6"	MIASA 8"
DATA SHEET		
LED CONFIGURATION	30	42
POWER CONSUMPTION	17 W	22 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	
HOUSING	Aluminum	
IP (INGRESS PROTECTION)	IP40	
CRI	>85	



EMERGENCY LIGHTING & EMERGENCY GUIDANCE

IN SENSE

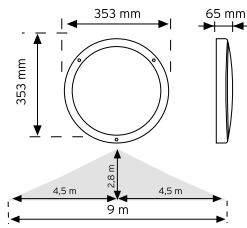


na·De[®]

10970 15W

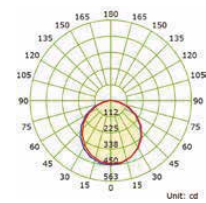


FLUSH MOUNT

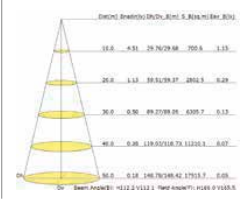


- Energy consumption of class A thanks to LED lighting
- Through HF sensor technology it detects every direction within ability of lens angle
- Adjustable time and lux feature
- Detection from behind glass and walls
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1400 lm

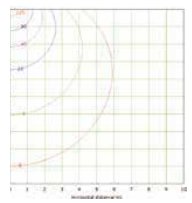
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

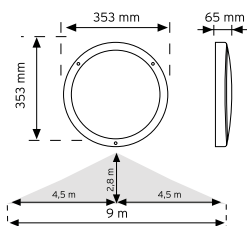


Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 54	19 kg 9 Pieces 91(00,68,50x33,50)	CE

10971 15W



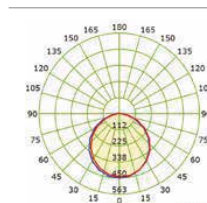
FLUSH MOUNT



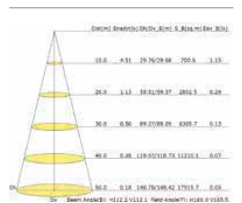
CEILING TYPE LED SENSORLIGHT EMERGENCY LIGHTING - HF MOTION SENSOR - 15 W

- Energy consumption of class A thanks to LED lighting
- Through HF sensor technology it detects every direction within ability of lens angle
- Adjustable time and lux feature
- Detection from behind glass and wall
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 1400 lm
- Emergency Light 70 lm

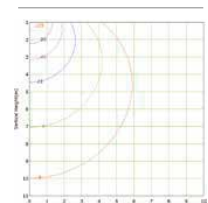
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3xV Ni-Mh	3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 54	19 kg 9 Pieces 91(00,68,50x33,50)	CE

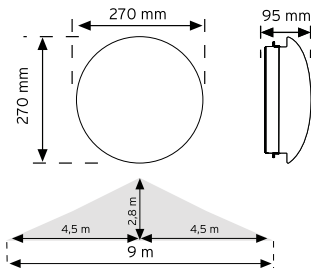
e-MOTION®

- Through HF sensor technology it detects every direction within ability of lens angle
- Eye-friendly lighting thanks to opal glass
- Detection from behind glass and wall
- Adjustable time and lux feature
- Easy installation on surface mount

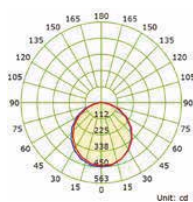
10950



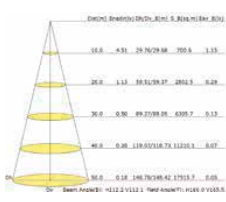
FLUSH MOUNT



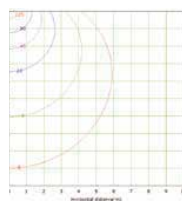
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	360° 3 m - 9 m	2.8 m	10 sec - 30 Min	2-2000 lux	-20°C - +40°C	IP 20	19 kg 9 Pieces	CE

CEILING TYPE LED SENSORLIGHT WITH HF MOTION
SENSOR AND EMERGENCY LIGHTING - 12 W

e-MOTION®

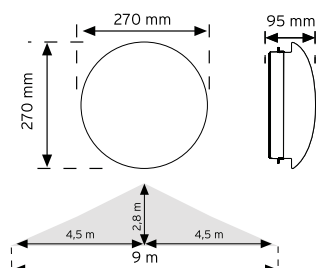
- Energy consumption of class A thanks to LED lighting
- Through HF sensor technology it detects every direction within ability of lens angle
- Eye-friendly lighting thanks to opal glass
- Detection from behind glass and wall
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Pil
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 800 lm
- Emergency Light 70 lm

12W

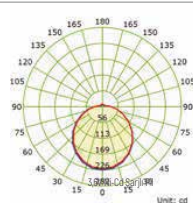
10951



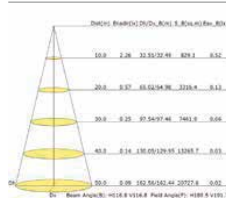
FLUSH MOUNT



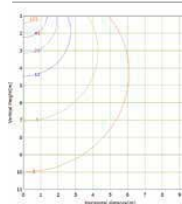
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

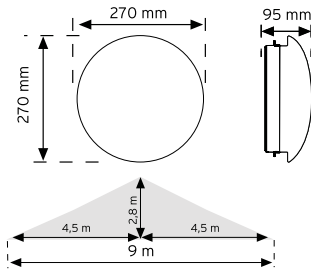


Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min	2-2000 lux	3.6V Ni-Mh	-20°C - +40°C	IP 20	17.5 kg 9 Pieces	CE

10952 12W

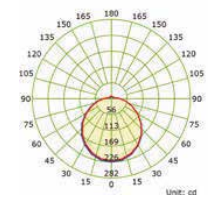


FLUSH MOUNT

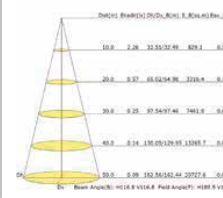


- Energy consumption of class A thanks to LED lighting
- Through HF sensor technology it detects every direction within ability of lens angle
- Eye-friendly lighting thanks to opal glass
- Detection from behind glass and wall
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 800 lm

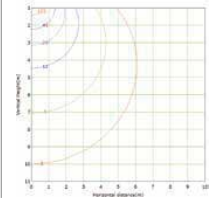
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



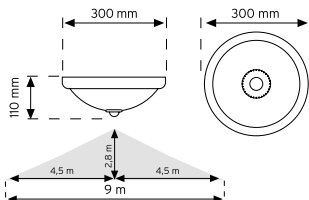
Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 20	175 kg 9 Pieces	CE

01000 12W



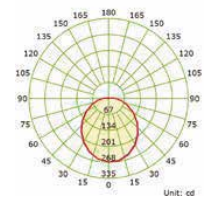
FLUSH MOUNT

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 12 W

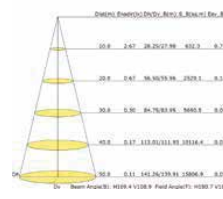


- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Smooth lighting through sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 980 lm

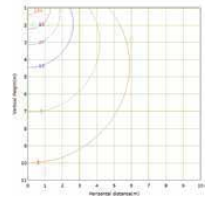
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 20	175 kg 14 Pieces	CE

SENSOR and SENSOR LIGHTING SYSTEMS
 CEILING TYPE LED SENSORLIGHT WITH 360°
 MOTION SENSOR - EMERGENCY LIGHTING - 12 W

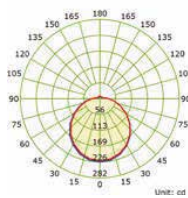
na·De®

12W 01051

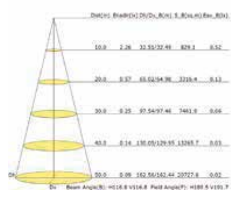
- Energy consumption of class A thanks to LED lighting
- Through 360°motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration

- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 980 lm
- Emergency Light 30 lm

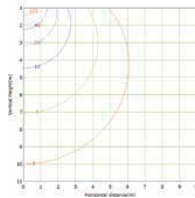
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



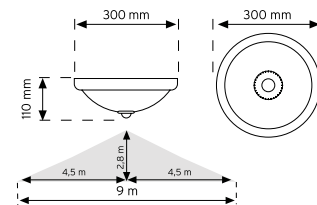
Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min	2-2000 lux	-20°C - +40°C	IP 20 I Class	75x62x20x20mm	CE



FLUSH
MOUNT



EMERGENCY
LIGHTING



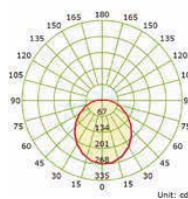
CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND
 EMERGENCY LIGHTING - 18 W

18W 10651

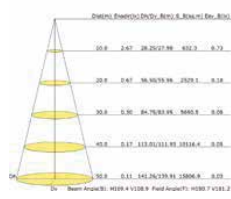
- Energy consumption of class A thanks to LED lighting
- Through 360°motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3X1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration

- 3000K ■ 4000K ■ 6500K
- Normal Light 1600 lm
- Emergency Light 60 lm

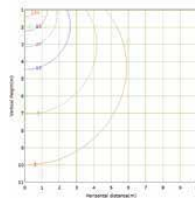
Luminous Intensity Distribution Curve



Illuminance at a Distance



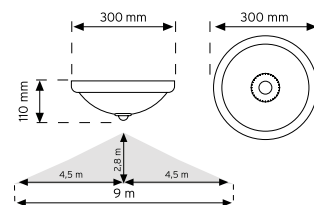
Vertical IsoLux Plot



FLUSH
MOUNT



EMERGENCY
LIGHTING

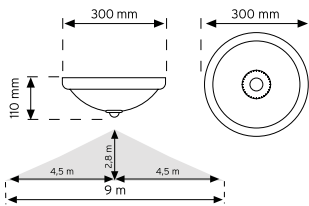


10551 18W

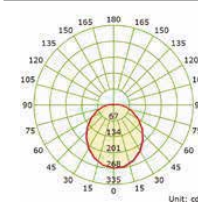


SURFACE MOUNT

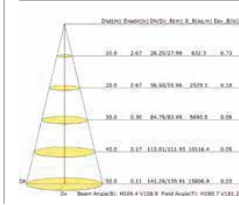
- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1600 lm



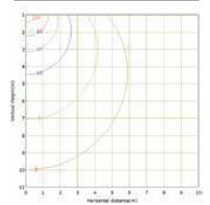
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



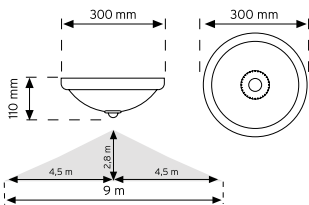
Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 14 Pieces 715x62x100x3100	CE

10551 CHROME 18W CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 18 W

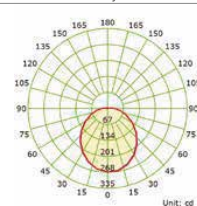


SURFACE MOUNT

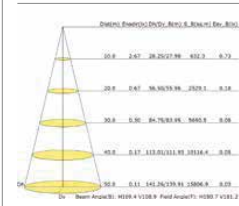
- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1600 lm



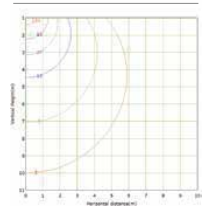
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 14 Pieces 715x62x100x3100	CE

SENSOR and SENSOR LIGHTING SYSTEMS
CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND
EMERGENCY LIGHTING - 18 W

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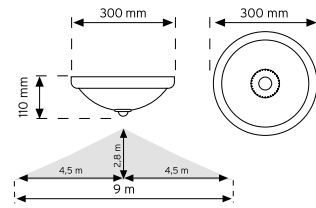
12W 10651.Ö

- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Error-free detection thanks to digital control
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
 - 2 hours emergency lighting duration
- 3000K ■ 4000K ■ 6500K
■ Normal Light 1600 lm
■ Emergency Light 60 lm

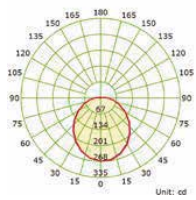
■ PRODUCT WITH ENEC CERTIFIED DRIVER



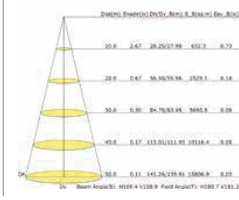
SURFACE MOUNT



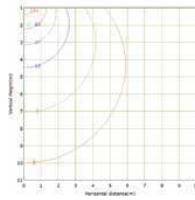
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3.6V Ni-Mh	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	18 kg 12 Pieces 7150x6210x3310	

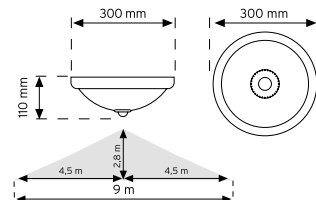
CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND
EMERGENCY LIGHTING - 18 W - CHROME

CHROME 18W 10651

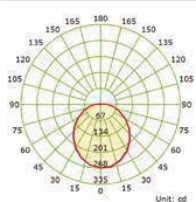
- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Error-free detection thanks to digital control
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
 - 2 hours emergency lighting duration
- 3000K ■ 4000K ■ 6500K
■ Normal Light 1600 lm
■ Emergency Light 60 lm



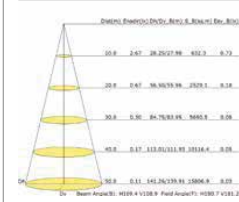
SURFACE MOUNT



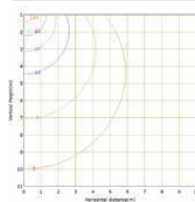
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3.6V Ni-Mh Şarjli Pil	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	18 kg 12 Pieces 7150x6210x3310	

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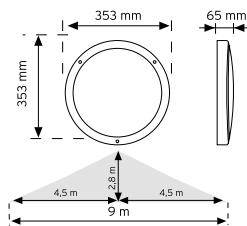
125

SENSOR&SENSOR LIGHTING SYSTEMS

ND10970 15W

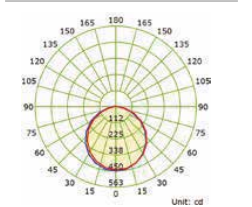


FLUSH MOUNT

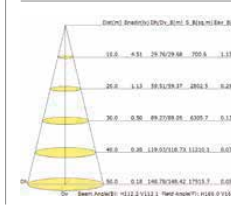


- A class energy consumption with LED lighting
- All-round detection with HF sensor technology
- Adjustable time and lux feature
- Detection from behind glass and walls
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1400 lm

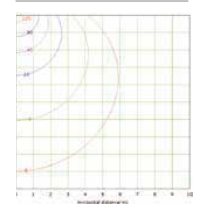
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

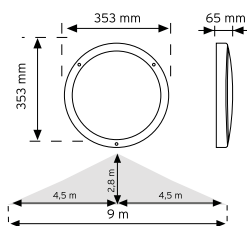


Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 54 II Class	19 kg 9 Pieces 910x655x335	CE

ND10970.Ö 15W



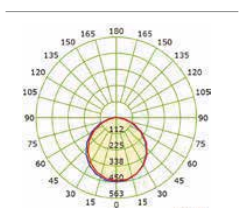
FLUSH MOUNT



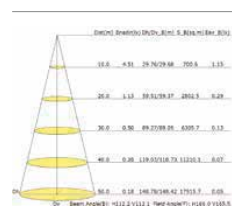
CEILING TYPE LED SENSORLIGHT EMERGENCY LIGHTING - HF MOTION SENSOR - 15 W

- A class energy consumption with LED lighting
- All-round detection with HF sensor technology
- Adjustable time and lux feature
- Detection from behind glass and wall
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh battery
- 2 hours emergency lighting time
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 1400 lm
- Emergency Light 70 lm

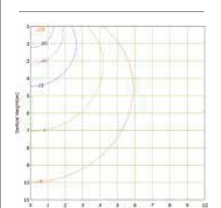
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



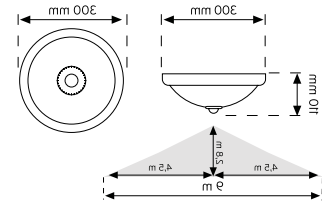
Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3.6V Ni-Mh	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 54 II Class	19 kg 9 Pieces 910x655x335	CE

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 12 W

12W ND1000-12-03

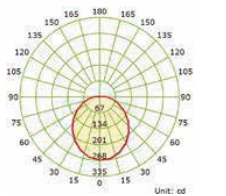


FLUSH MOUNT

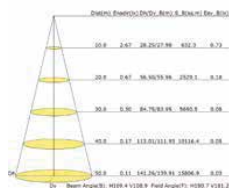


- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 980 lm

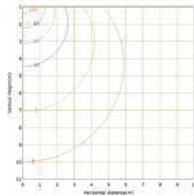
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



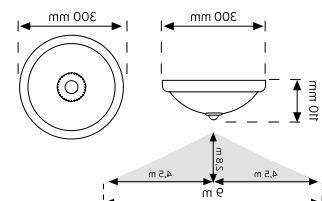
Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 1/4 Pieces 7150x6200x3300	CE

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 12 W

12W ND1000.0

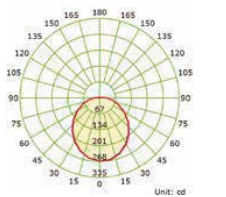


FLUSH MOUNT

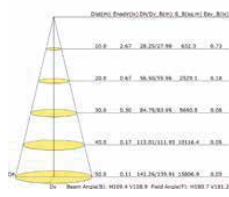


- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 980 lm

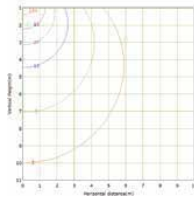
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° 3 m - 9 m	2.8 m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 1/4 Pieces 7150x6200x3300	CE

ND1051-12-03 12W



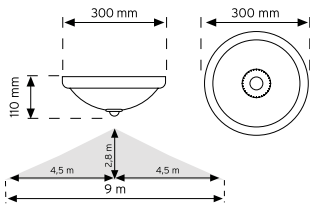
SURFACE MOUNT

- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Error-free detection with digital control
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- LED lighting in case of power failure
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting

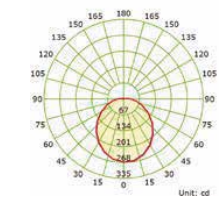
3000K ■ 4000K ■ 6500K

Lighting:1600 lm

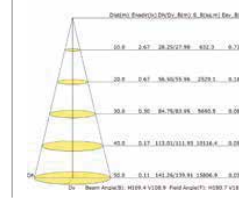
Emergency Lighting:60 lm



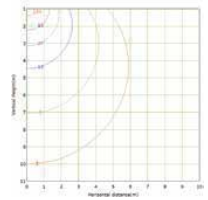
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 14 Pieces 715x620x330mm	CE

ND1051.Ö 12W



SURFACE MOUNT

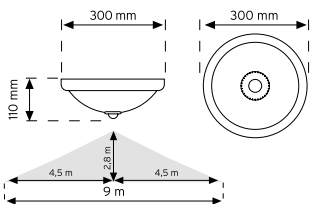
- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Error-free detection with digital control
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- LED lighting in case of power failure
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting

3000K ■ 4000K ■ 6500K

Lighting:1600 lm

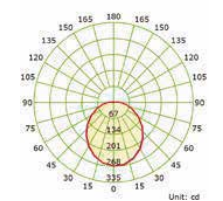
Emergency Lighting:60 lm

PRODUCT WITH ENEC CERTIFIED DRIVER

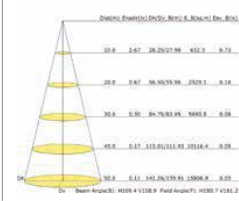


CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 18 W

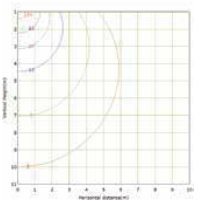
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 14 Pieces 715x620x330mm	CE

SENSOR and SENSOR LIGHTING SYSTEMS
 CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND
 EMERGENCY LIGHTING - 18 W

na·De®

18W ND10651-18-03

- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Error-free detection with digital control
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- LED lighting in case of power failure
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting

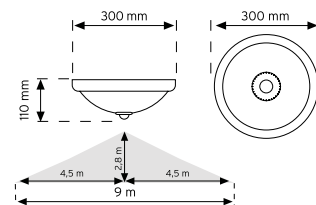
3000K ■ 4000K ■ 6500K

Lighting:1600 lm

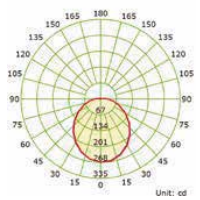
Emergency Lighting:60 lm



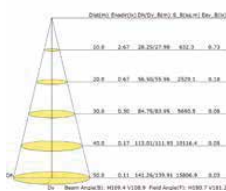
SURFACE MOUNT



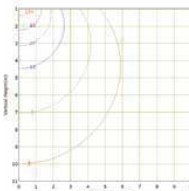
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60899-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3.6V Ni-Mh	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	18 kg 12 Pieces 7150x6210x33,00	CE

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND
 EMERGENCY LIGHTING - 18 W - CHROME

CHROME 18W ND10651-Ö

- A class energy consumption with LED lighting
- All-round detection with 360° motion sensor
- Eye-friendly lighting with the sanded glass
- Error-free detection with digital control
- Adjustable time and lux feature
- Easy installation on surface-mount
- More energy savings with LED lighting
- LED lighting in case of power failure
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting

3000K ■ 4000K ■ 6500K

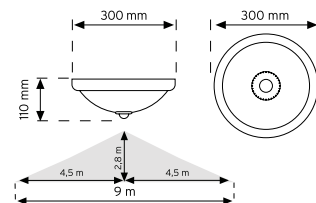
Lighting:1600 lm

Emergency Lighting:60 lm

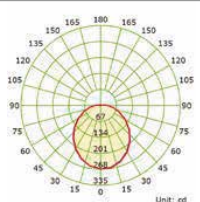
PRODUCT WITH ENEC CERTIFIED DRIVER



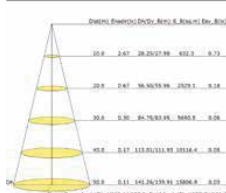
SURFACE MOUNT



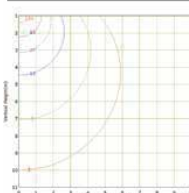
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60899-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3.6V Ni-Mh Şarjli Pil	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	18 kg 12 Pieces 7150x6210x33,00	CE

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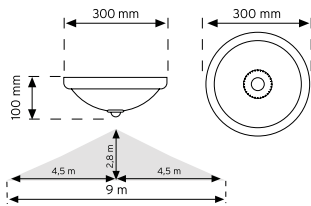
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10434 20W

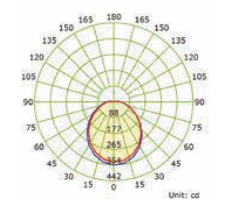


SURFACE MOUNT

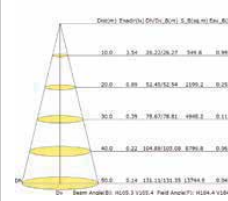


- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 1700 lm
- Emergency Light 60 lm

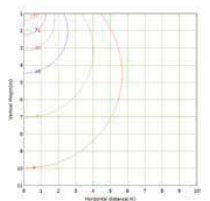
Luminous Intensity Distribution Curve



Illuminance at a Distance



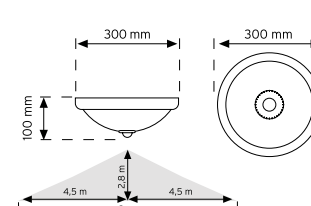
Vertical IsoLux Plot



Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3,6V Ni-Mh	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	23 kg 8 Pieces 62,00x60,00x4,00	CE

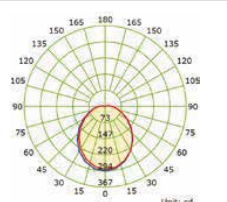
10434 20W - CHROME

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND EMERGENCY LIGHTING - 18 W - CHROME

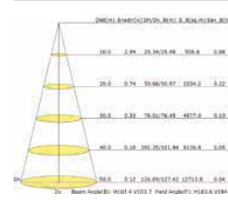


- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 1700 lm
- Emergency Light 60 lm

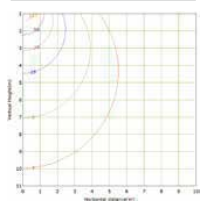
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



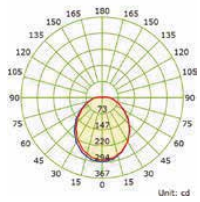
Working Voltage	Rechargeable Battery	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	3,6V Ni-Mh	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	23 kg 8 Pieces 62,00x60,00x4,00	CE

20W 10433

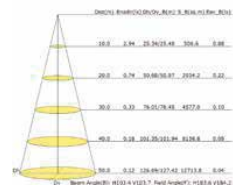
- Energy consumption of class A thanks to LED lighting
- Through 360°motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1700 lm



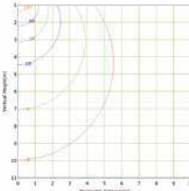
Luminous Intensity Distribution Curve



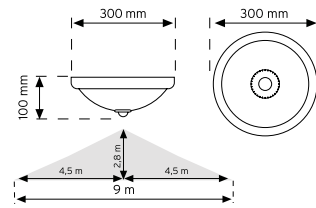
Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	230 mm x 90 mm x 100 mm	CE



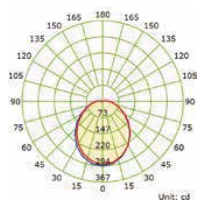
CEILING TYPE LED SENSORLIGHT WITH 360°
 MOTION SENSOR CHROME - 18 W

CHROME - 20W 10433

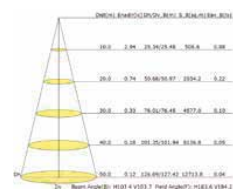
- Energy consumption of class A thanks to LED lighting
- Through 360°motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 1700 lm



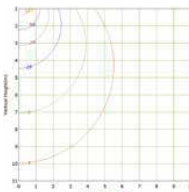
Luminous Intensity Distribution Curve



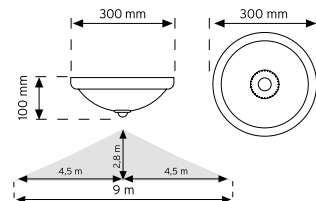
Illuminance at a Distance



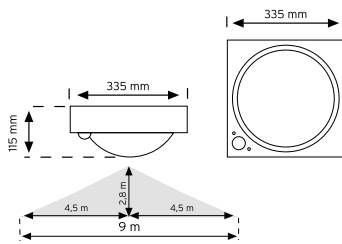
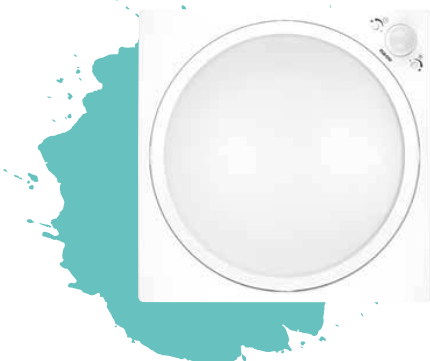
Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	230 mm x 90 mm x 100 mm	CE

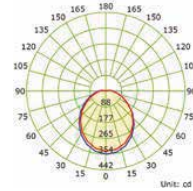


10410 6W

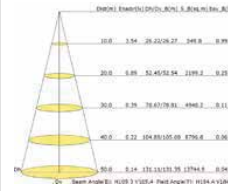


- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 600 lm

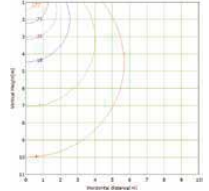
Luminous Intensity Distribution Curve



Illuminance at a Distance



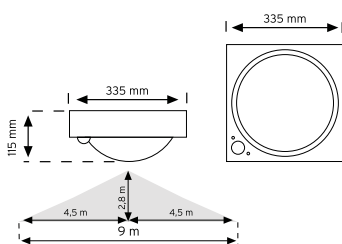
Vertical IsoLux Plot



Working Voltage 220-240V-50/60Hz	Detection Range 360° Max. 9 m	Max Height 2.8 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Working Temp. -20°C - +40°C	Protection Class IP 20 I Class	Box Dimensions 20 kg 8 Pieces 70,0x46,5x41,00	TS EN 60669-2-1 TS EN 60598-2-1 CE
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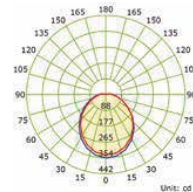
10410 6W - GREY

CEILING TYPE LED SENSORLIGHT
WITH 360° MOTION SENSOR - 6 W - GREY

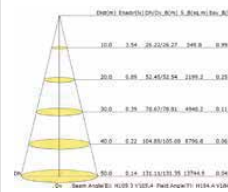


- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 600 lm

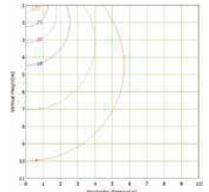
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage 220-240V-50/60Hz	Detection Range 360° Max. 9 m	Max Height 2.8 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Working Temp. -20°C - +40°C	Protection Class IP 20 I Class	Box Dimensions 20 kg 8 Pieces 70,0x46,5x41,00	TS EN 60669-2-1 TS EN 60598-2-1 CE
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SENSOR and SENSOR LIGHTING SYSTEMS
CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR

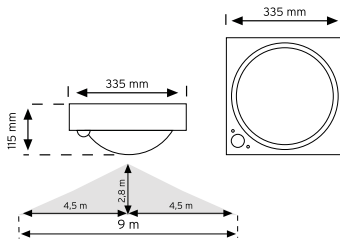
na·De®

10400

- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount



SURFACE MOUNT



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	20 kg 8 Pieces 70,00x46,50x41,00	CE

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - GREY

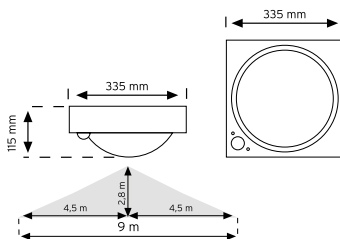
GREY

10400

- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount



SURFACE MOUNT



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	20 kg 8 Pieces 70,00x46,50x41,00	CE

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10700

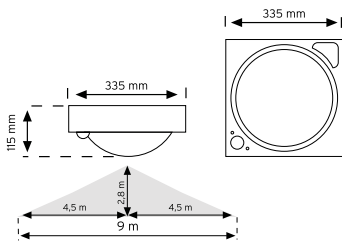
EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

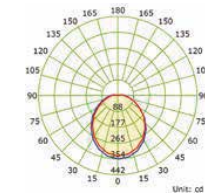


SURFACE
MOUNT

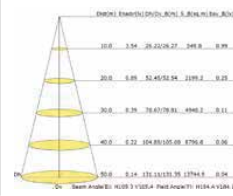
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
2 hours emergency lighting duration
- Emergency Light 70 lm



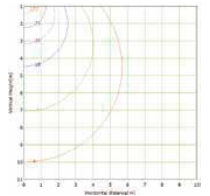
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Lighting Load	Emergency Light	Protection Class	Box Dimensions	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	
230-240V-50/60Hz	1x10W E27	12x2000 mcd 120°	IP 54	21 kg 8 Pieces	360°	2,8 m	10 sec - 5 Min.	2-2000 lux	3,6V Ni-Mh	-20°C - +40°C	TS EN 60669-2-1 TS EN 60598-2-1 CE

10700

GREY

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND EMERGENCY LIGHTING - GREY

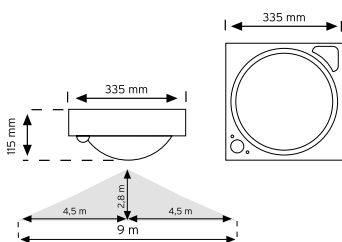
EMERGENCY
LIGHTING

MADE IN
TÜRKİYE

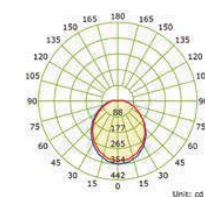


SURFACE
MOUNT

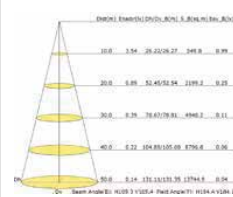
- Through 360° motion sensor, it detects every angle
- Eye-friendly lighting thanks to the sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration
Emergency Light 70 lm



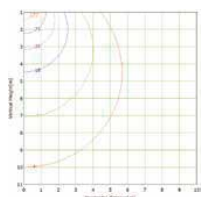
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



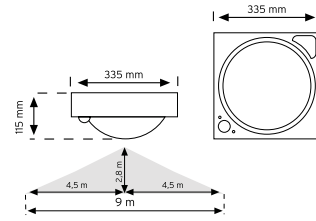
Working Voltage	Lighting Load	Emergency Light	Protection Class	Box Dimensions	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	
230-240V-50/60Hz	1x10W E27	12x2000 mcd 120°	IP 20	21 kg 8 Pieces	360°	2,8 m	10 sec - 5 Min.	2-2000 lux	3,6V Ni-Mh Şarjli Pili	-20°C - +40°C	TS EN 60669-2-1 TS EN 60598-2-1 CE

SENSOR and SENSOR LIGHTING SYSTEMS
 CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR
 AND EMERGENCY LIGHTING - 6 W

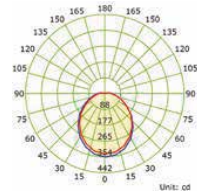
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6W 10710

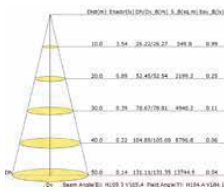
- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
 - 2 hours emergency lighting duration
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 600 lm
 - Emergency Light 70 lm



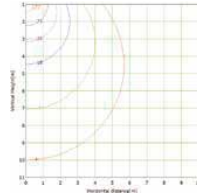
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

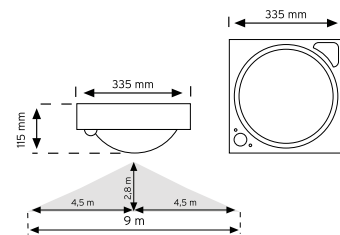
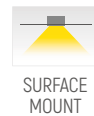


Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Rechargeable Battery	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C ~ +40°C	3.6V Ni-Mh	IP 20	22 kg 8 Pieces 700x465x410	CE

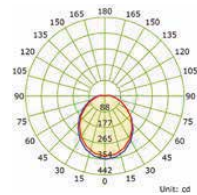
CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR
 AND EMERGENCY LIGHTING - GREY - 6 W

GREY - 6W 10710

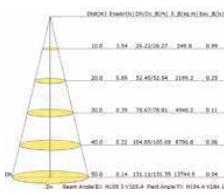
- Energy consumption of class A thanks to LED lighting
 - Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Metallic grey body
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - More energy saving with LED lighting feature
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
 - 2 hours emergency lighting duration
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- Normal Light 600 lm
 - Emergency Light 70 lm



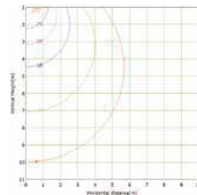
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Rechargeable Battery	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C ~ +40°C	3.6V Ni-Mh Şarj Pil	IP 20	22 kg 8 Pieces 700x465x410	CE

10700

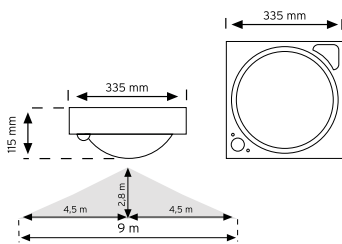
EMERGENCY LIGHTING

MADE IN TÜRKİYE

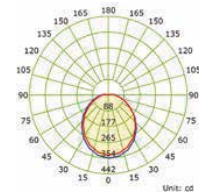


SURFACE MOUNT

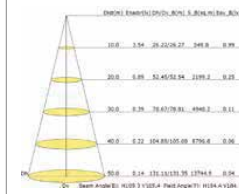
- Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
 - 2 hours emergency lighting duration
- Emergency Light 70 lm



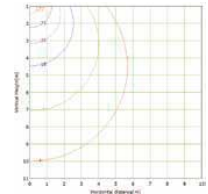
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Lighting Load	Emergency Light	Protection Class	Box Dimensions	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	1x10W E27	12x2000 mod 120"	IP 54 II Class	21 kg 8 Pieces 70,00x46,50x41,00	360° Max. 9 m	2,8 m	10 sec - 5 Min.	2-2000 lux	3,6V Ni-Mh	-20°C - +40°C	CE

10700

GREY

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR AND EMERGENCY LIGHTING - GREY

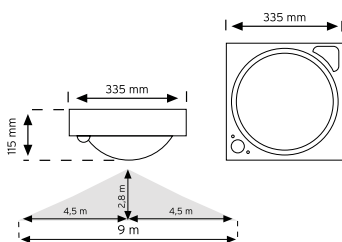
EMERGENCY LIGHTING

MADE IN TÜRKİYE

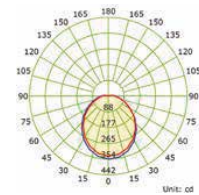


SURFACE MOUNT

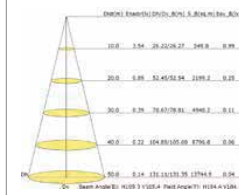
- Through 360° motion sensor, it detects every angle
 - Eye-friendly lighting thanks to the sanded glass
 - Adjustable time and lux feature
 - Easy installation on surface mount
 - LED lighting during a power outage
 - 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting duration
Emergency Light 70 lm



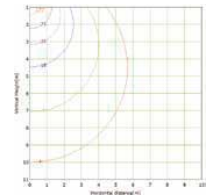
Luminous Intensity Distribution Curve



Illuminance at a Distance



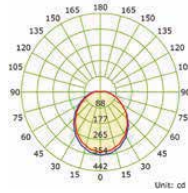
Vertical IsoLux Plot



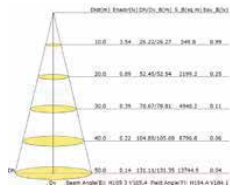
Working Voltage	Lighting Load	Emergency Light	Protection Class	Box Dimensions	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	1x10W E27	12x2000 mod 120"	IP 20 I Class	21 kg 8 Pieces 70,00x46,50x41,00	360° Max. 9 m	2,8 m	10 sec - 5 Min.	2-2000 lux	3,6V Ni-Mh Şarjli Pili	-20°C - +40°C	CE

- Adjustable time and lux feature
- Easy installation on surface mount
- E27 lampholder
- Polycarbonate diffuser

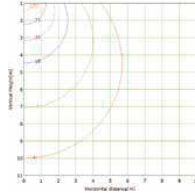
Luminous Intensity Distribution Curve



Illuminance at a Distance



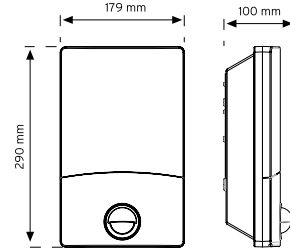
Vertical IsoLux Plot



10W 10201



SURFACE MOUNT



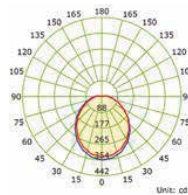
Working Voltage	Lighting Load	Max. Height	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	12 m →	2.2 m	10 sec - 55 Min.	2-2000 lux	-20°C - +40°C	IP 54	CE

110° WALL TYPE SENSORLIGHT - 10 W

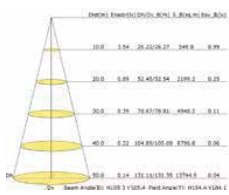
10W 10211

- Energy consumption of class A thanks to LED lighting
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- Polycarbonate diffuser
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 950 lm

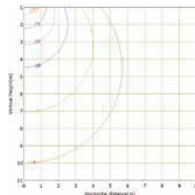
Luminous Intensity Distribution Curve



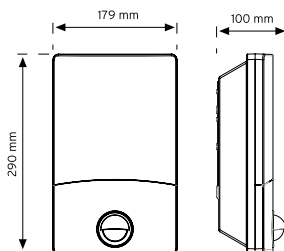
Illuminance at a Distance



Vertical IsoLux Plot



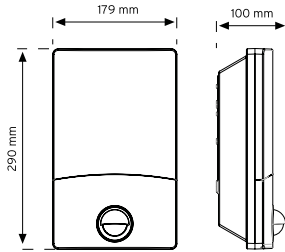
SURFACE MOUNT



Working Voltage	Lighting Load	Max. Height	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	12 m →	2.2 m	10 sec - 55 Min.	2-2000 lux	-20°C - +40°C	IP 54	CE

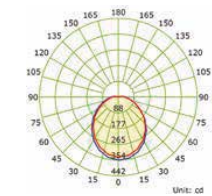
10211-3H

10W

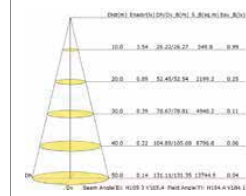


- Energy consumption of class A thanks to LED lighting
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- Polycarbonate diffuser
- 3x1000mAh Ni-Mh Battery
- 3 hours emergency lighting duration
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 950 lm

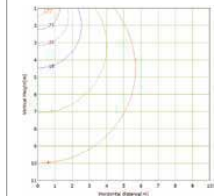
Luminous Intensity Distribution Curve



Illuminance at a Distance



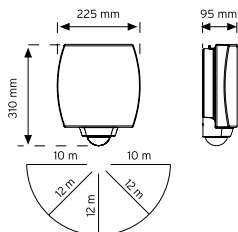
Vertical IsoLux Plot



Working Voltage	Max Height	Max Height	Time Adj.	Lux Adj.	Working Temp.	Rechargeable Battery	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	12 m	2.2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	3.6V Ni-Mh	IP 54 II Class	CE

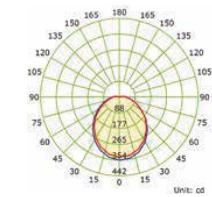
10800

180° WALL TYPE SENSORLIGHT

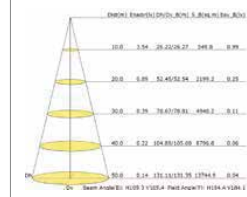


- Ability to detect every angle through TRIO motion sensor technology
- Eye-friendly lighting thanks to opal glass
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount

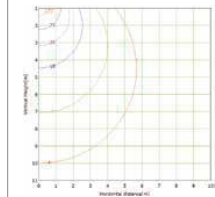
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Lighting Load	Detection Range	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1 x 10 W E27	3 - 12 m	2.2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 43 II Class	16.5 kg 8 Pieces 78.00x15.00x31.00	CE

e-MOTION®

8W

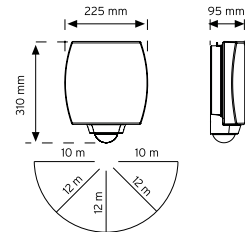
10820

- Energy consumption of class A thanks to LED lighting
- Ability to detect every angle through TRIO motion sensor technology
- Eye-friendly lighting thanks to opal glass
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 2800-3100K ■ 4000-4500K ■ 6000-6500K

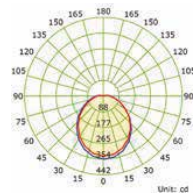
■ 850 lm



SURFACE MOUNT



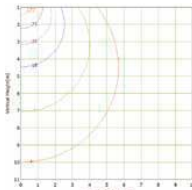
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	180°	2.2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 43	15 kg 8 Pieces	CE
								78,00x51,50x100

WALL TYPE LED SENSORLIGHT WITH 180° MOTION SENSOR AND EMERGENCY LIGHTING 8W

10840

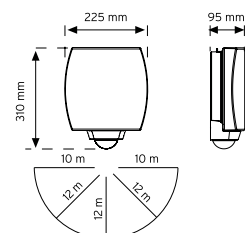
- Energy consumption of class A thanks to LED lighting
- Ability to detect every angle through TRIO motion sensor technology
- Eye-friendly lighting thanks to opal glass
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 2 hours emergency lighting time

- Normal Light 850 lm
- Emergency Light 50 lm

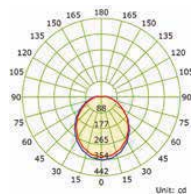
e-MOTION®



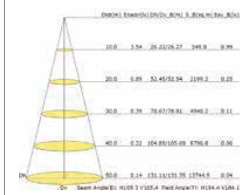
SURFACE MOUNT



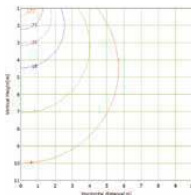
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

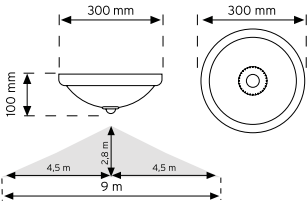


Working Voltage	Detection Range	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Rechargeable Battery	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	180°	2.2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	3.6V Ni-Mh Şarjli Pil	IP 43	15 kg 8 Pieces	CE
								78,00x51,50x100	



sensorPLUS®

- All-round detection with 360° motion sensor
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	360° Max 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 14 Pieces 70,0x62,0x34,0	CE

00999



SURFACE MOUNT



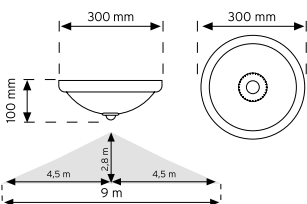
CEILING TYPE SENSORLIGHT CHROME

CHROME

00999

sensorPLUS®

- All-round detection with 360° motion sensorEye-friendly
- soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	360° Max 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 14 Pieces 70,0x62,0x34,0	CE



SURFACE MOUNT

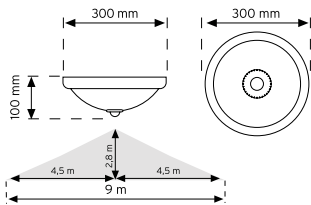


00778



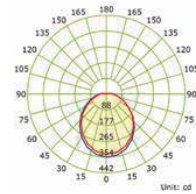
SURFACE MOUNT

NEW PRODUCT

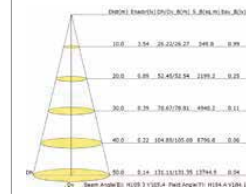


- Through 360° motion sensor, it detects every angle
- Smooth lighting through sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- 3x1000mAh Ni-Mh Battery
- 3 hours emergency lighting duration
- Emergency light 100 lm

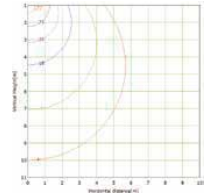
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	3.6V Ni-Mh	-20°C - +40°C	IP 20	17 kg 14 Pieces 715x621x203x3100	

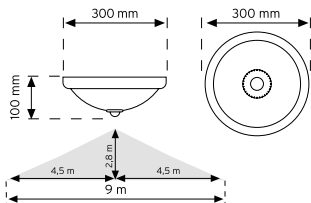
00778

CHROME 360° MOTION SENSOR CEILING ARMATURE CHROME



SURFACE MOUNT

NEW PRODUCT



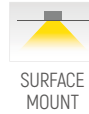
- Through 360° motion sensor, it detects every angle
- Smooth lighting through sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount
- 3x1000mAh Ni-Mh Battery
- 3 hours emergency lighting duration
- Emergency light 100 lm

Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	3.6V Ni-Mh	-20°C - +40°C	IP 20	17 kg 14 Pieces 715x621x203x3100	

12W 22999

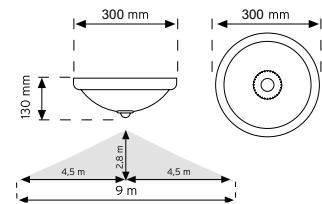
- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Soft and eye-friendly lighting with polycarbonate diffuser
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- 1100 lm

NEW
PRODUCT

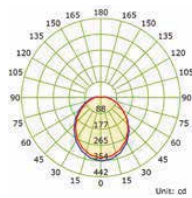


EMERGENCY LIGHTING

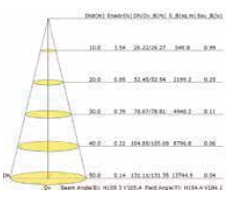
MADE IN TÜRKİYE



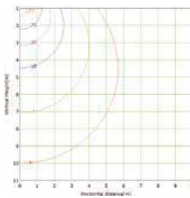
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Rechargeable Battery	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V~50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	3.6V Ni-Mh	-20°C - +40°C	IP 20	CE

CEILING TYPE LED SENSORLIGHT WITH 360° MOTION SENSOR - 12 W CHROME

12W - CHROME

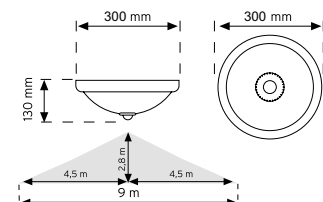
22999

NEW
PRODUCT

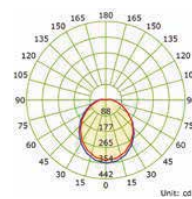


EMERGENCY LIGHTING

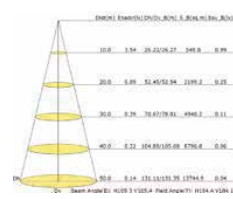
MADE IN TÜRKİYE



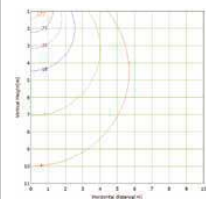
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

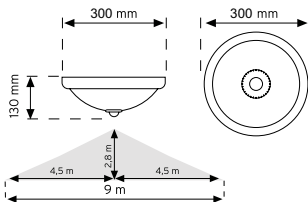


Working Voltage	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V~50/60Hz	360° Max. 9 m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	CE

22777 12W



SURFACE MOUNT

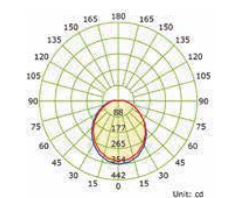


NEW PRODUCT

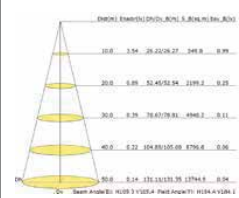
- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Soft and eye-friendly lighting with polycarbonate diffuser
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery

- Normal Light 1100 lm
- Emergency Light 100 lm

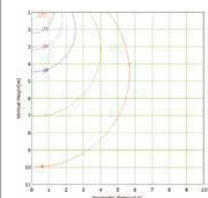
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot



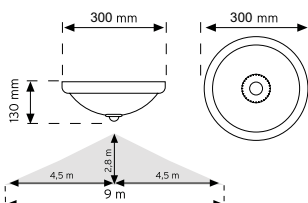
Working Voltage 230-240V~50/60Hz	Detection Range 360° Max. 9 m	Max Height 2.8 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Rechargeable Battery 3,6V Ni-Mh	Working Temp. -20°C - +40°C	Protection Class IP 20 I Class	TS EN 60669-2-1 TS EN 60598-2-1 CE
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22777 12W - CHROME

CEILING TYPE LED SENSORLIGHT WITH EMERGENCY KIT - 12 W CHROME



SURFACE MOUNT

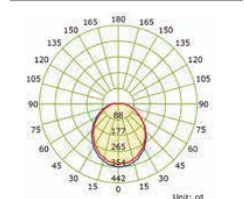


NEW PRODUCT

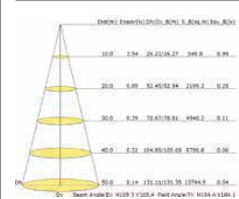
- Energy consumption of class A thanks to LED lighting
- Through 360° motion sensor, it detects every angle
- Soft and eye-friendly lighting with polycarbonate diffuser
- Error-free detection thanks to digital control
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- LED lighting during a power outage
- 3x1000mAh Ni-Mh Battery
- 7 hours emergency lighting time

- Normal Light 1100 lm
- Emergency Light 100 lm

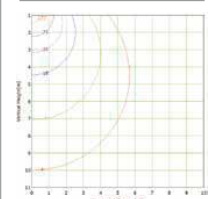
Luminous Intensity Distribution Curve



Illuminance at a Distance



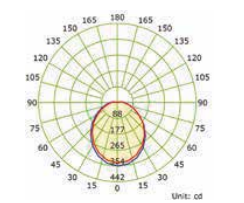
Vertical IsoLux Plot



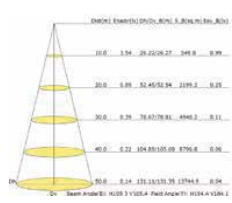
Working Voltage 230-240V~50/60Hz	Detection Range 360° Max. 9 m	Max Height 2.8 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Rechargeable Battery 3,6V Ni-Mh	Working Temp. -20°C - +40°C	Protection Class IP 20 I Class
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- Adjustable time and lux feature
- Easy installation on surface mount
- E27 lampholder
- Polycarbonate diffuser

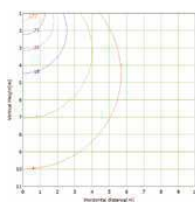
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

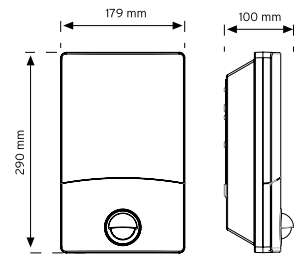


Working Voltage	Lighting Load	Max. Height	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	1x10W E27	12 m →	2.2 m	10 sec - 55 Min.	2-2000 lux	-20°C - +40°C	IP 54	CE

ND10201

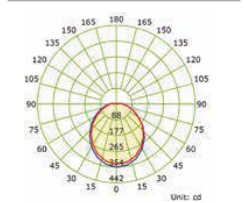


SURFACE MOUNT

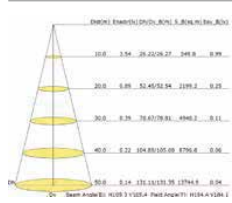


- Energy consumption of class A thanks to LED lighting
- Adjustable time and lux feature
- Easy installation on surface mount
- More energy saving with LED lighting feature
- Polycarbonate diffuser
- 2800-3100K ■ 4000-4500K ■ 6000-6500K
- 950 lm

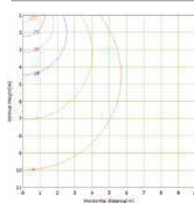
Luminous Intensity Distribution Curve



Illuminance at a Distance



Vertical IsoLux Plot

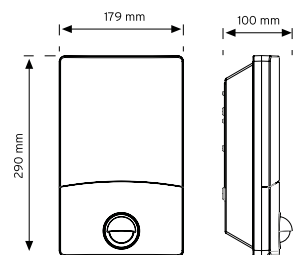


Working Voltage	Max. Height	Max. Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
⚡	110°	h	⌚	☀️	🌡️	IP 54	CE

ND10211



SURFACE MOUNT



ND999-00

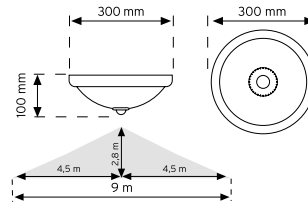
sensorPLUS®



SURFACE
MOUNT



- All-round detection with 360° motion sensor
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount



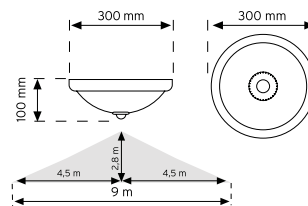
									TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 1/4 Pieces 70,00x62,00x34,00	

ND999-01

sensorPLUS®



- Eye-friendly soft lighting
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount

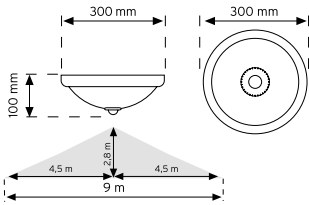
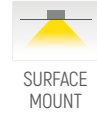


									TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	17 kg 1/4 Pieces 70,00x62,00x34,00	

sensorPLUS®

ND999-02

- Eye-friendly soft lighting
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount



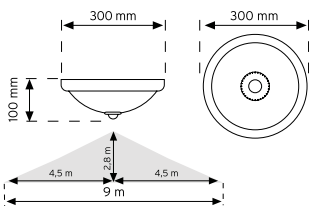
Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 14 Pieces	CE

CEILING TYPE SENSORLIGHT CHROME

sensorPLUS®

ND999-06

- Eye-friendly soft lighting
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount

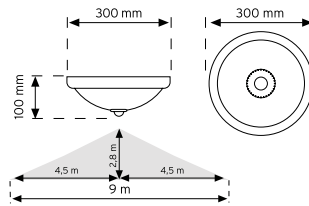


Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V- 50/60Hz	2 x 10 W E27	Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	17 kg 14 Pieces	CE

ND999-03-PD



- Eye-friendly soft lighting
- Eye-friendly soft lighting
- Adjustable time and lux feature
- Easy installation on surface mount

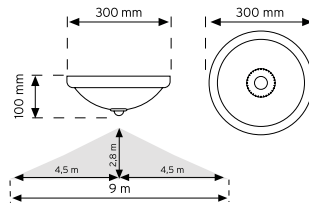


Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2x10 W E27	360° Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	70,00x42,00x4,00 1/4 Pieces	CE

ND778-03-PD

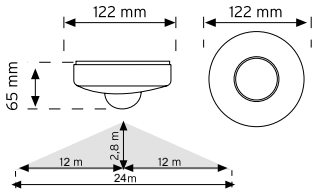


- Eye-friendly soft lighting
- Soft & sanded glass
- Adjustable time and lux feature
- Easy installation on surface mount



Working Voltage	Lighting Load	Detection Range	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2x10 W E27	360° Max. 9 m ↔	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	70,00x42,00x4,00 1/4 Pieces	CE

- As long as there is a human presence, keeps the lamp on
- Ability to detect every angle through TRIO motion sensor technology
- Ability to adjust between 180°/360° by angle apparatus
- Easy installation on surface mount
- Time, lux and distance settings with remote control
- 24m. detection distance
- Improved digital signal processing software and powerful microprocessor with ambient temperature, sensitivity and interference-free operation technology
- Stable operation for 4 seasons with temperature compensation
- Light warning upon detection



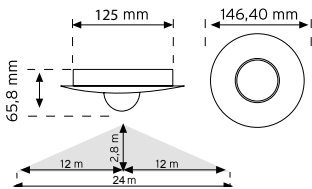
Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2000W / 800W	6x8W	360° 6-24m	2.8 m	3 sec - 30 Min.	2-2000 lux	Ø122 mm	-20°C - +40°C	IP 20	CE

OCCUPANCY SENSOR/
PRESENCE SENSOR 10500

e-MOTION®



- As long as there is a human presence, keeps the lamp on
- Ability to detect every angle through TRIO motion sensor technology
- Ability to adjust between 180°/360° by angle apparatus
- Easy to flush mount
- Time, lux and distance settings with remote control
- 24m. detection distance
- Improved digital signal processing software and powerful microprocessor with ambient temperature, sensitivity and interference-free operation technology
- Stable operation for 4 seasons with temperature compensation
- Light warning upon detection



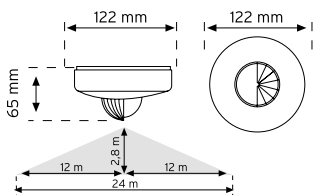
Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2000W / 800W	6x8W	360° 6-24m	2.8 m	3 sec - 30 Min.	2-2000 lux	Ø122 mm	-20°C - +40°C	IP 20	CE

OCCUPANCY SENSOR/
PRESENCE SENSOR 10510

e-MOTION®



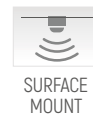
- Ability to detect every angle through TRIO motion sensor technology
- Ability to adjust between 180°/360° by angle apparatus
- Easy installation on surface mount
- Adjustable time, lux and distance settings
- Error-free detection thanks to digital control
- 24m. detection distance



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1 TS EN 60598-2-1
230-240V-50/60Hz	2000W / 800W	6x8W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	CE

OCCUPANCY SENSOR/
PRESENCE SENSOR 10463

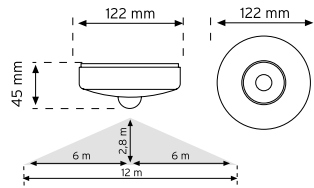
e-MOTION®



10464



e-MOTION®



- 360° detection area
- Easy installation on surface mount
- Adjustable time, lux and distance settings
- Error-free detection thanks to digital control



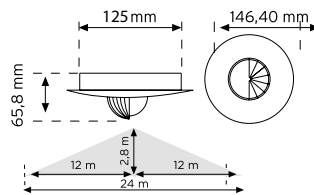
Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1
230-240V-50/60Hz	2000W / 800W	6x58W	360° 6-12m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 I Class	CE

10465



e-MOTION®

360° MOTION SENSOR



- Ability to detect every angle through TRIO motion sensor technology
- Ability to adjust between 180°/360° by angle apparatus
- Easy to flush mount
- Adjustable time, lux and distance settings
- Error-free detection thanks to digital control
- 24m. detection distance



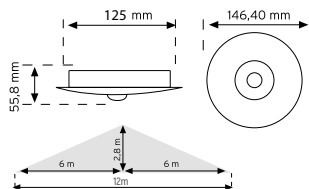
Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	TS EN 60669-2-1
230-240V-50/60Hz	2000W / 800W	6x58W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20 II Class	CE

10466



e-MOTION®

360° MOTION SENSOR



- 360° detection area
- Easy to flush mount
- Adjustable time, lux and distance settings
- Error-free detection thanks to digital control

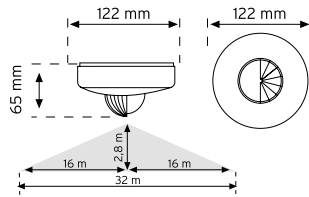


Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	TS EN 60669-2-1
230-240V-50/60Hz	2000W / 800W	6x58W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20 II Class	CE

- 2 Eyed sensor tech / Hallway type
- Easy to flush-mounting
- Adjustable time, lux and distance settings
- Error-free detection with digital control
- 32m. detection distance

e-MOTION®

10467



SURFACE MOUNT



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	TS EN 60669-2-1
230-240V-50/60Hz	2000W / 800W	6x50W	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	CE

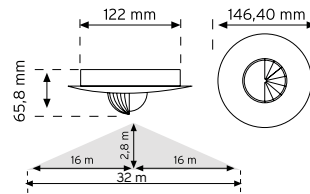
360° CEILING TYPE MOTION SENSOR (HALLWAY SENSOR)

e-MOTION®

10468

- DUO motion sensor technology and hallway type
- Easy to flush mount
- Adjustable time, lux and distance settings
- Error-free detection thanks to digital control
- 32m. detection distance

10468



FLUSH-MOUNT

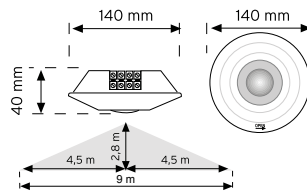


Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class
230-240V-50/60Hz	2000W / 800W	6x50W	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20

360° MOTION SENSOR - FLUSH MOUNT

10359

- 360° detection area
- Easy installation on surface mount
- Adjustable time and lux feature



FLUSH-MOUNT



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1
230-240V-50/60Hz	2000W / 400W	6x50W	360°	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	8 kg 32 Pieces 44,50x30,00x31,00	CE

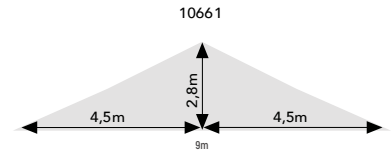
10661



Flush-mounted/
Surface Mounted



- Detection from all directions with 3-eye sensor technology
- 180°/360° options with angle adjustment
- Easy installation on surface-mount
- Adjustable time, lux and distance feature
- Error-free detection with digital control
- 24m. distance dedection



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class
230-240V - 50/60Hz	2000W / 800W	6x58W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20 II Class

TS EN 60669-2-1
CE

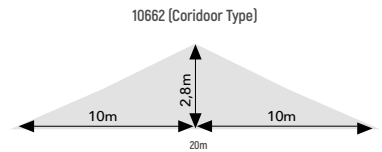
10662



Flush-moun-
ted/Surface



- Detection from all directions with 3-eye sensor technology
- 180°/360° options with angle adjustment
- Easy installation on surface-mount
- Adjustable time, lux and distance feature
- Error-free detection with digital control
- 24m. distance dedection



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class
230-240V - 50/60Hz	2000W / 800W	6x58W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20 II Class

TS EN 60669-2-1
CE

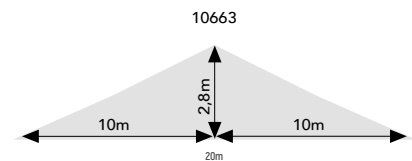
10663



Flush-moun-
ted/Surface



- Detection from all directions with 3-eye sensor technology
- 180°/360° options with angle adjustment
- Easy installation on surface-mount
- Adjustable time, lux and distance feature
- Error-free detection with digital control
- 24m. distance dedection



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class
230-240V - 50/60Hz	2000W / 800W	6x58W	360° 6-24m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20 II Class

TS EN 60669-2-1
CE

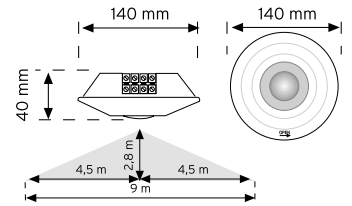


10360

e-MOTION®



- 360° detection area
- Easy installation on surface mount
- Adjustable time and lux feature



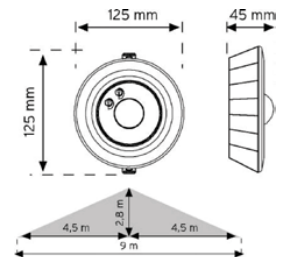
										TS EN 60669-2-1
230-240V - 50/60Hz	1000W / 400W	6x58W	360° Max. 9m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	8 kg / 32 Pieces 44,50x30,00x31,00	

10361

360° MOTION SENSOR



- 360° detection area
- Easy installation on surface mount
- Adjustable time and lux feature
- Error-free detection thanks to digital control



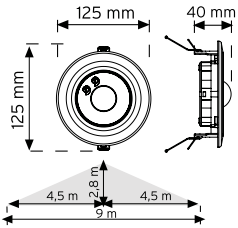
										TS EN 60669-2-1
230-240V - 50/60Hz	1000W / 400W	6x58W	360° Max. 9m	2.8 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20	8 kg / 32 Pieces 44,50x30,00x31,00	

e-MOTION®

10362



- 360° detection area
- Easy to flush mount
- Adjustable time and lux feature
- Error-free detection thanks to digital control



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1
230-240V-50/60Hz	1000W / 400W	6x58W	Max. 9m	2.8 m	10 sec - 5 Min.	2-2000 lux	Ø125 mm	-20°C - +40°C	IP 20	8 kg 32 Pieces 4750x28,00x1250	

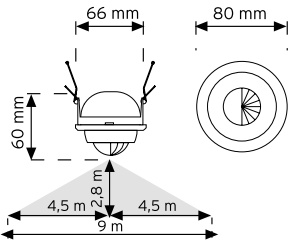
SPOT TYPE 360° MOTION SENSOR

e-MOTION®

10365



- Through 360° motion sensor, it detects every angle
- 30° right-left rotatable motion sensor
- Easy to flush mount
- Adjustable time and lux feature
- Error-free detection thanks to digital control
- Ability to adjust 30°-360° with the angle adjustment apparatus



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.	Protection Class	Box Dimensions	TS EN 60669-2-1
230-240V-50/60Hz	1000W / 400W	6x58W	Max. 9m	2.8 m	10 sec - 6 Min.	2-2000 lux	Ø66 mm	-20°C - +40°C	IP 54	6.5 kg 40 Pieces 4750x38,00x18,00	

10366

360° HF MOTION SENSOR – FLUSH MOUNTED

e-MOTION®

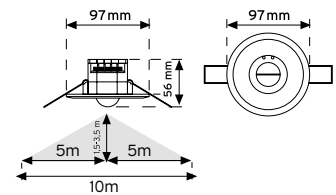


FLUSH MOUNT



- Through HF sensor technology it detects every direction within ability of lens angle
- Ability to detect behind wall, sheetrock and glass
- Easy to flush mount
- Adjustable time, lux and distance settings

10366



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Cut Out	Working Temp.
230V-50/60Hz	2000W / 800W	6x58W	360° 2-10m	15 m - 3.5 m	10 sec - 30 Min.	10-500 lux	Ø97 mm	-20°C - +40°C

TS EN 60669-2-1



10367

360° HF MOTION SENSOR – SURFACE MOUNTED

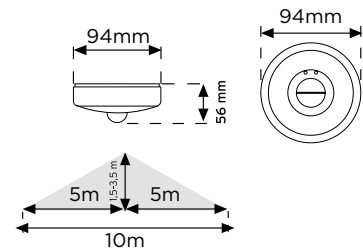
e-MOTION®



SURFACE MOUNT



- Through HF sensor technology it detects every direction within ability of lens angle
- Ability to detect behind wall, sheetrock and glass
- Easy installation on surface mount
- Adjustable time, lux and distance settings



Working Voltage	Lighting Load	Lighting LED Load	Detection Area	Max Height	Time Adj.	Lux Adj.	Working Temp.	Protection Class
230-240V-50/60Hz	1200 W / 600 W	6x58W	360° 1-10 m (cap) →	15-35m	10 sec - 30 Min.	2-2000 lux	-20°C - +40°C	IP 20 II Class

TS EN 60669-2-1



CEILING TYPE HF (RADAR) MOTION SENSOR

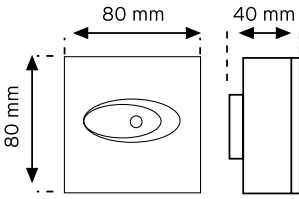
10901



SURFACE-
MOUNT



- Through HF sensor technology it detects every direction within ability of lens angle
- Ability to detect behind wall, sheetrock and glass
- Easy installation on surface mount
- Adjustable time, lux and distance settings



Working Voltage 230-240V-50/60Hz	Lighting Load 1000W / 400W	Lighting LED Load 6x58W	Detection Area 360° 6-14m	Max Height 2.8 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Working Temp. -20°C - 40°C	Box Dimensions 8 kg 50 Pieces 34,50x27,50x2700	Protection Class IP 20 II Class	TS EN 60669-2-1
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WALL TYPE HF (RADAR) MOTION SENSOR

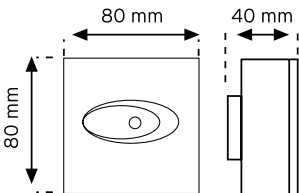
10912



WALL
MOUNT



- Through HF sensor technology it detects every direction within ability of lens angle
- Ability to detect behind wall, sheetrock and glass
- Easy installation on surface mount
- Adjustable time, lux and distance settings



Working Voltage 230-240V-50/60Hz	Lighting Load 1000W / 400W	Lighting LED Load 6x58W	Detection Range 180° 6-25 m	Max Height 2.2 m	Time Adj. 10 sec - 5 Min.	Lux Adj. 2-2000 lux	Working Temp. -20°C - 40°C	Protection Class IP 20 II Class	Box Dimensions 8 kg 50 Adet 34,50x27,50x2700	TS EN 60669-2-1
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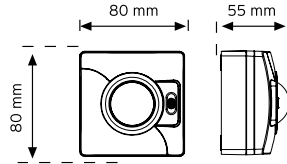
10100

SWITCH TYPE MOTION SENSOR

e-MOTION®



SURFACE-MOUNT



- AUTO, ON / OFF mode options with 3 spanned keys
- Easy installation on both surface mount and flush mount
- The ability to be used on the both ceiling and wall
- Adjustable time and lux feature
- Error-free detection thanks to digital control
- 360° detection angle on the ceiling, 180° detection angle on the wall

										TS EN 60669-2-1
230-240V-50/60Hz	1000 W / 400 W	6x58W	360° 9m / 8m ↔	2.8 m / 1-2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 II Class	7 kg 48 Pieces 34,5x27,5x27,0 cm	

10100

SWITCH TYPE MOTION SENSOR

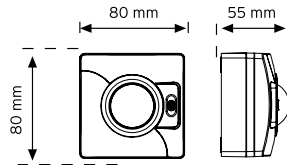
e-MOTION® GREY



SURFACE-MOUNT



WALL MOUNT



- AUTO, ON / OFF mode options with 3 spanned keys
- Easy installation on both surface mount and flush mount
- The ability to be used on the both ceiling and wall
- Adjustable time and lux feature
- Error-free detection thanks to digital control
- 360° detection angle on the ceiling, 180° detection angle on the wall

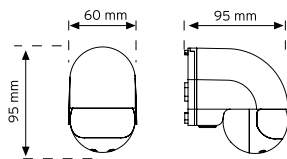
										TS EN 60669-2-1
230-240V-50/60Hz	1000 W / 400 W	6x58W	360° 9m / 8m ↔	2.8 m / 1-2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 20 II Class	7 kg 48 Pieces 34,5x27,5x27,0 cm	

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180° WALL TYPE MOTION SENSOR



WALL MOUNT



- 100° left-right, up-down 30° rotatable sensor
- Adjustable time and lux feature
- 180° detection area

									TS EN 60669-2-1
230-240V-50/60Hz	2000W / 800W	180° Max. 12 m →	2.2 m	10 sec - 5 Min.	2-2000 lux	-20°C - +40°C	IP 44 II Class	7 kg 35 Pieces 31,0x27,5x26,0 cm	