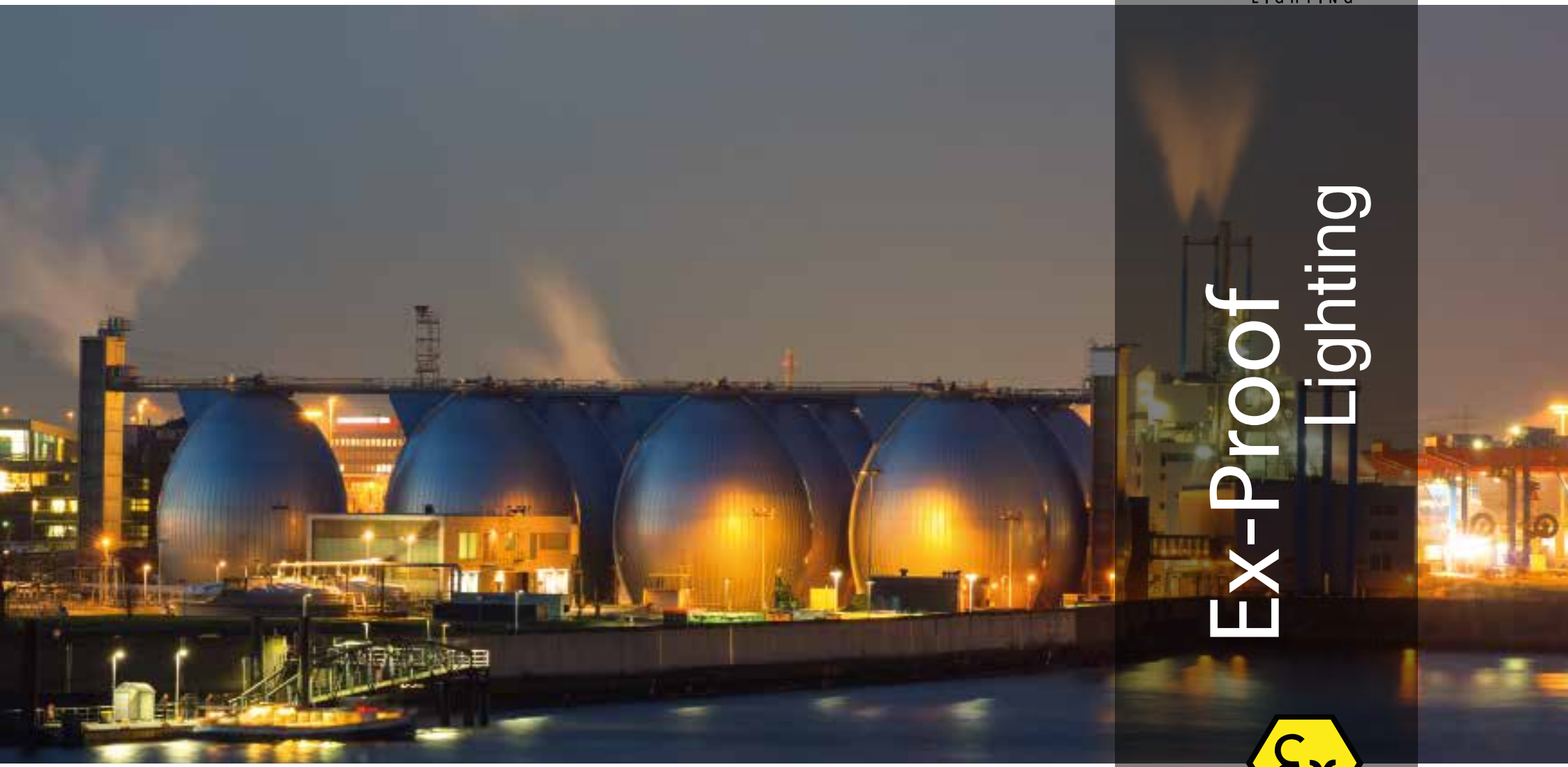
EAE
LIGHTING



Ex-Proof Lighting

EAE
LIGHTING

ABOUT US

Our innovative lighting solutions, integrated with smart control systems, we have developed so far and presented on the market ensured the creation of efficient, safe environments in harmony with environment.

In an era where the possibilities offered by the light and light-based technologies constantly and rapidly change, we acknowledge the vital role that lighting plays in every field involving people and nature.

What is a Zone?

It is the analysis of the risk and the classification of the zone based on the level of risk in the facilities where explosive, flammable or combustible materials are produced and/or distributed.

It is examined in two separate categories:
1 - Zone Classification According to Gas Groups
(Zone 0, Zone 1, Zone 2)
2- Zone Classification According to Dust Groups
(Zone 20, Zone 21, Zone 22)

How to Identify a Zone?

Zone classification is performed based on type production specified in the IEC EN 60079-10-1 (Gas) and IEC EN 60079-10-2 (Dust) directives.

Definitions of Zones

Zone 0: Areas where explosive gas is present continuously, for long periods or frequently
Zone 1: Areas where explosive gas is likely to occur
Zone 2: Areas where explosive gas occurs rarely or for a short time
Zone 20: Areas where explosive dust is present continuously, for long periods or frequently
Zone 21: Areas where explosive dust is likely to occur
Zone 22: Areas where explosive dust occurs rarely or for a short time

Note : Zone 0 products are suitable for use in Zone 1 and Zone 2. Zone 1 products are suitable for use in Zone 2. Zone 2 products may only be used in Zone 2. Zone 20 products are suitable for use in Zone 21 and Zone 22. Zone 21 products are suitable for use in Zone 22. Zone 22 products may only be used in Zone 22.

What Is Protection Type?

Indicates the flame-proof enclosure type of the device to be used in the zone. There are many types of enclosures, depending on the specifications of the device.

How to Choose a Protection Type?

You can choose the most suitable protection type for your facility among the enclosure types specified in the IEC EN 60079-0 directive for Zone classification. Moreover, you can learn the content and scope of the directives issued for these types.

What Is an Explosion Group?

It is the determination and classification of the type of explosive, flammable or combustible material produced and/or transferred within the facility.

It is examined in two separate categories:
1-Gas Groups (IIA, IIB, IIC)
2-Dust Groups (IIIA, IIIB, IIIC)

Explosion Group
Typical Types of Gas and Dust

IIA : Methane, Ethane, Propane, Butane, Octane, Fuel Oil
IIB : Acrylic nitrile, ethylene, ethylene oxide
IIC : Hydrogen, acetylene, carbon disulphide

IIA : Insulating Powders (Plastic, Cereals, etc.)
IIB : Semiconducting Powders (Silicone, Zinc, etc.)
IIC : Conducting Powders (Copper, Iron, Aluminium, etc.)

Note : Equipment in group IIB also provide protection against equipment in group IIA. Equipment in group IIC also provide protection against equipment in group IIA and IIB. Equipment in group IIIB also provide protection against equipment in group IIIA. Equipment in group IIC also provide protection against equipment in group IIA and IIB.

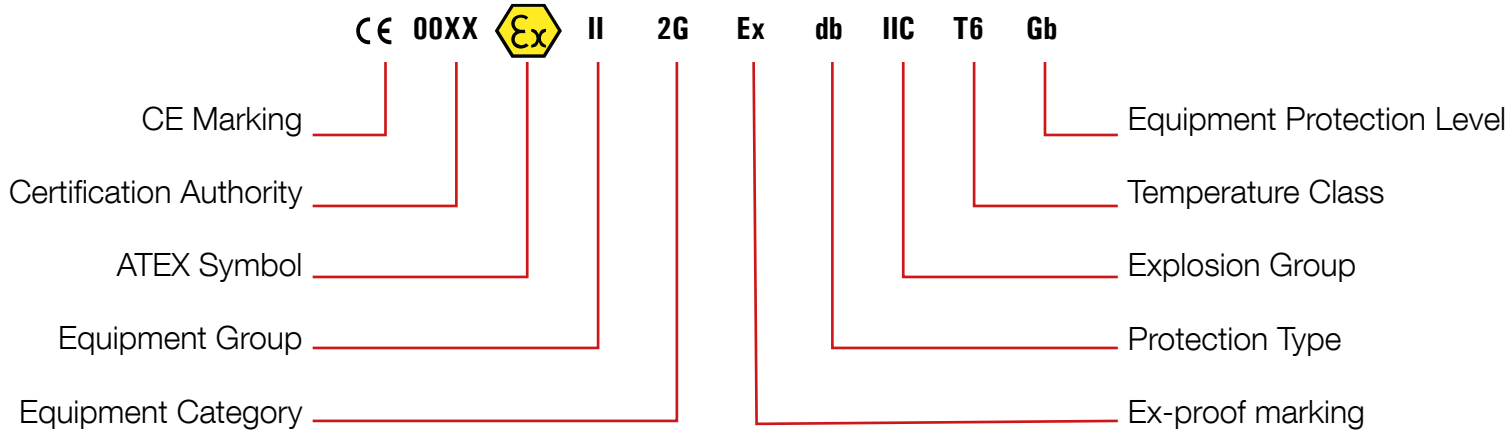
What Is a Temperature Class?

Indicates maximum surface temperature that can occur on the equipment. The determined temperature class should not approach the determined value at a critical level since it is the most important factor triggering the explosion of the liquid, gas or dust material in the area.

Definitions of Temperature Classes

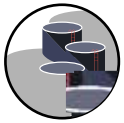
T1 : Maximum surface temperature is lower than 450 °C
T2 : Maximum surface temperature is lower than 300 °C
T3 : Maximum surface temperature is lower than 200 °C
T4 : Maximum surface temperature is lower than 135 °C
T5 : Maximum surface temperature is lower than 100 °C
T6 : Maximum surface temperature is lower than 85 °C

INFORMATION FOR READING A LABEL



COMMON SOLUTION FOR DIFFERENT SECTORS

OIL REFINERIES


TANK AND SILO AREAS

PETROCHEMICAL AND CHEMICAL PLANTS

GAS STATIONS

OFFSHORE FACILITIES

PHARMACEUTICAL INDUSTRY

SHIPS AND SHIP BUILDING FACILITIES

AIRCRAFT HANGARS

ONSHORE FACILITIES

FOOD PRODUCTION FACILITIES

TREATMENT PLANTS

NATURAL GAS PLANTS

PETROLEUM LOADING / UNLOADING PORTS

PAINT AND MELAMINE INDUSTRY

NUCLEAR PLANTS

TANKER LOADING AND UNLOADING AREAS

Zone 1 (Gas)
Zone 21 (Dust)

Content

Ex-Line Mini

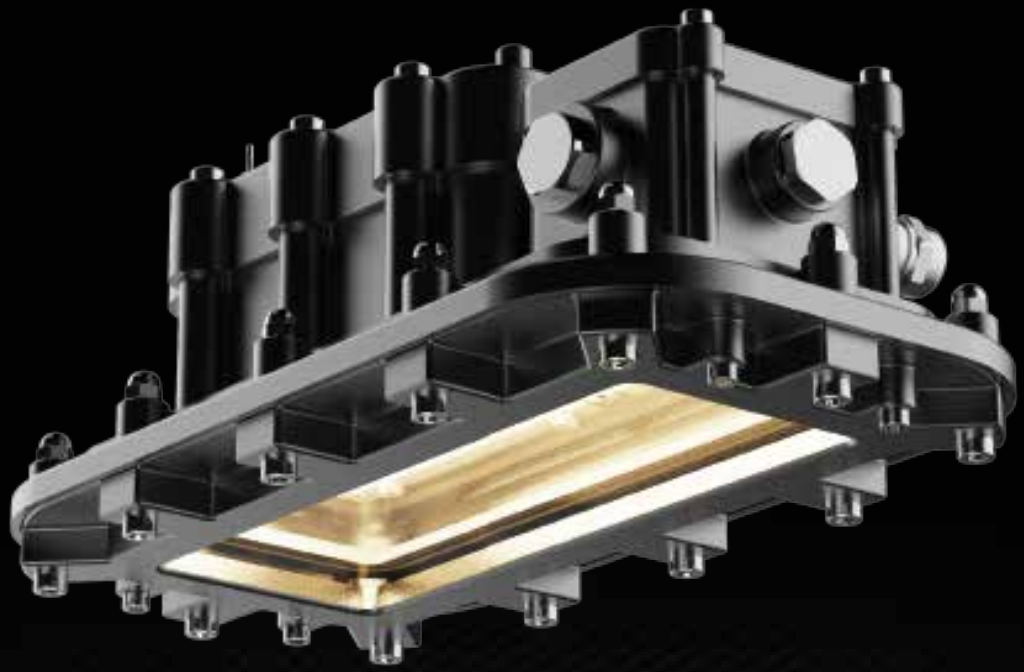
Robustex

SOON

HBC-Zone1

Ex-Flex

EX-LINE Mini



EAE
LIGHTING

Ex

EX-LINE Mini

With its advanced mechanical features, the EX-UNE Mini stands out with its durable and sealed aluminium injection housing. Guaranteeing a long service life in harsh environmental conditions, this product provides a colour temperature option and high lighting efficiency with its Mid Power LED. EX-UNE Mini also provides economy with its low consumption costs. With different mounting options and the DALI option, it is suitable for explosive atmospheres with ambient temperatures ranging from -40 °C to +45 °C.

Exproof Product Features

Zone : Zone 1 / 21 / 2 / 22
Group / Category : II / 2GD
Protection Class : db eb tb
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T6 / T85°
Certificate Code : EX II 2G Ex db IIC T6 Gb
EX II 2D Ex tb IIIC T85°C Gb

Mechanical Features

Body : Aluminium Extrusion Housing
Luminaire Surface: Thermal Tempered Glass
Sealing : High Temperature Resistant Silicone Gasket and TPV Gasket
Gland (Inlet) : Std. 1 x ISO M20
Support Tools : AISI 316L Stainless Steel
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Mid Power LED
Consumption Power : 20 W / 28 W / 36 W / 44 W / 51 W / 57 W
Lumen : 2695 lm / 3689 lm / 4660 lm / 5610 lm / 6353 lm / 7090 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 2000K / 2700K / 3000K / 4000K / 5000K / 5700K / 6500K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Ceiling, Cable Tray, Pole, Chain Support
Housing Colour : SW 306G (SMOKE-COLOURED)

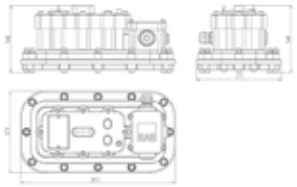
Options

Gland Inlet : ISO M16, ISO M25
Gland Outlet : ISO M16, ISO M20, ISO M25
Protection Grid : Yes
DALI : Yes

Dimensions

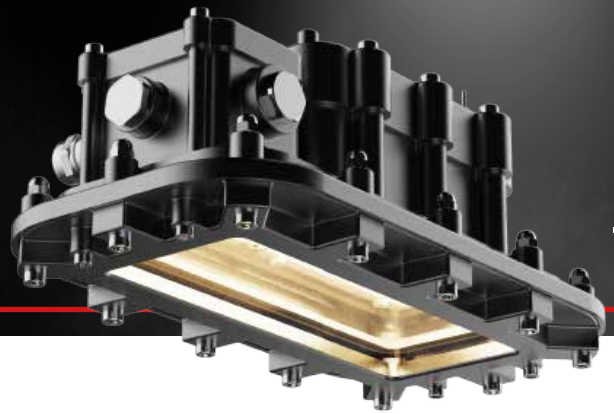
Width : 223 mm
Height : 217 mm

Technical Drawing



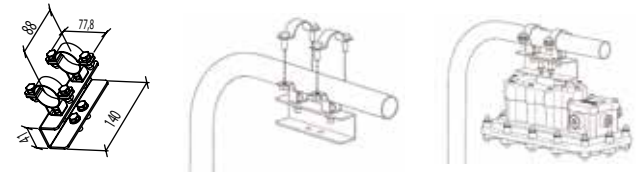
Order Chart

Order No.	Product Code	Power Consumption (W)	Weight (KG)
3244059	LIN 020O 40EX00 2K60 66 V.MN	20	5,2
3244060	LIN 028O 40EX00 3K60 66 V.MN	28	5,2
3244061	LIN 036O 40EX00 4K60 66 V.MN	36	5,2
3244062	LIN 044O 40EX00 5K60 66 V.MN	44	5,2
3244063	LIN 051O 40EX00 6K3 66 V.MN	51	5,2
3240195	LIN 057O 40EX00 7K0 66 V.MN	57	5,2



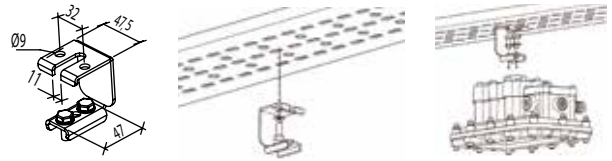
Support Tools

Tube Installation



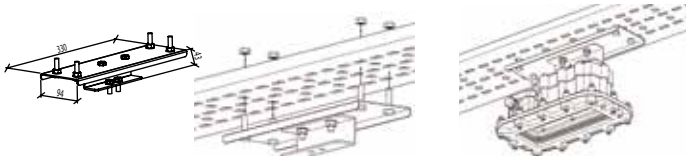
Order Code : 3244500
Product Code : LIN MN TUBE INST. SUPPORT SET (31-38MM)

Ceiling and Cable Tray Single Installation -1



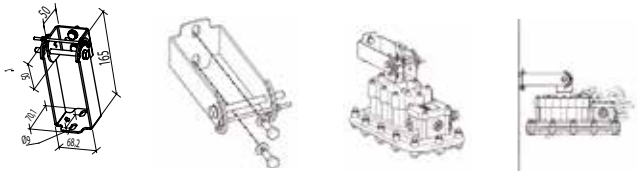
Order Code : 3244478
Product Code : LIN CABLE TRAY AND CEILING SUPPORT SET

Ceiling and Cable Tray Single Installation - 2



Order Code : 3244505
Product Code : LIN MN EX HORIZONTAL CEILING TRAY INST. SUPPORT SET

Wall Installation - Installation with Angular Support

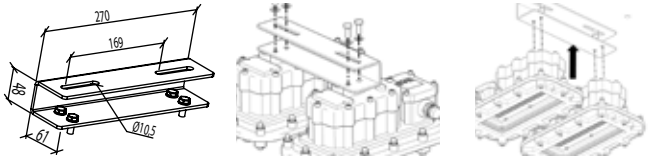


Order Code : 3244499
Product Code : LIN MN ANGULAR CEILING TRAY WALL SUPPORT SET

Chain Support Installation

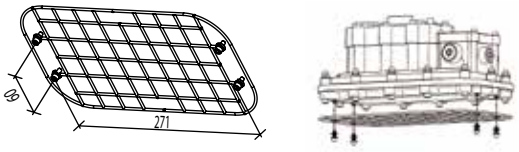
Order Code : 3244480
Product Code : LIN PENDANT SUPPORT SET

Ceiling and Cable Tray Double Installation



Order Code : 3244501
Product Code : LIN MN LNR CEILING TRAY INST. SUPPORT SET

Optional Wire Grid



Order Code : 3244142
Product Code : LIN WIRE CAGE INSTALLATION SET

Zone 1 / 2 / 21 / 22
II 2G Ex db eb IIC T6 Gb
II 2D Ex tc IIIC T85°C Db

RobustEX

EAE
LIGHTING

Ex

RobustEX

With its Glass Alloy Polyester housing in IP66 class with high heat and impact resistance, RobustEX has been specially designed for facilities where flammable and explosive materials are present. Thanks to its robust polycarbonate surface, it provides 200 times more strength compared to glass. Moreover, this product provides energy saving with its Mid Power LED light source and various lumen options. RobustEX offers high performance in facilities with ambient temperatures ranging from -20 °C to +40 °C.

Exproof Product Features

Zone : Zone 1 ,2 / 21 ve 22
Group / Category : II / 2G
Protection Class : mb tb
Explosion Group : IIIC
Maximum Surface Temperature Class: T4 / T135°
Certificate Code : EX II 2G Ex e mb op is IIC T4 Gb
EX II 2D Ex tb IIIC T135°C Db

Mechanical Features

Body : Glass Alloy Polyester
Luminaire Surface : Polycarbonate (UV Transparent)
Sealing : EPDM Gasket
Gland (Inlet) : 3x M25 x 1,5 Polyester Cable Gland
Gland (Outlet) : 1x M25 x 1,5 Polyester Blind Plug
Support Tools : Galvanized Ceiling Installation Set
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Mid Power LED
Consumption Power : 50 W / 60 W / 100 W
Lumen : 5000 lm / 5600 lm / 7000 lm / 10000 lm / 11200 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 4000K / 5700K / 6000K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Ceiling Installationj
Housing Colour : Grey Polyester

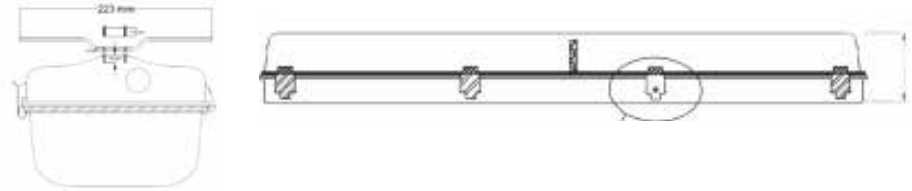
Options

EMC : Yes (3 Hours)

Dimensions

Width : 210 mm
Length : 1310 mm
Height : 170 mm

Technical Drawing

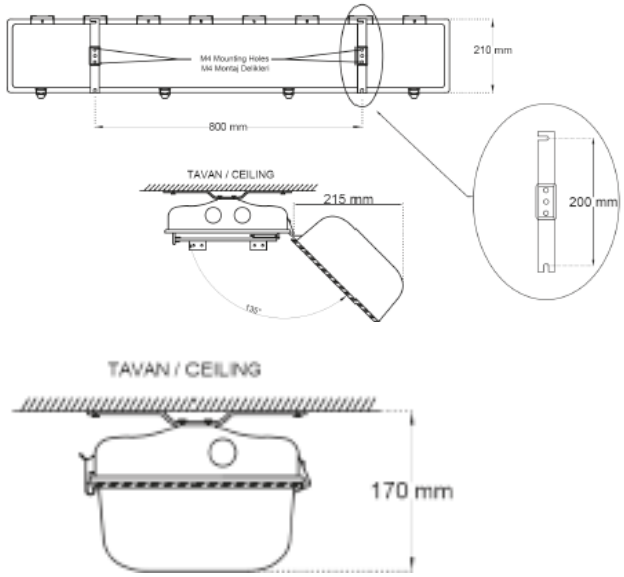


Order Chart

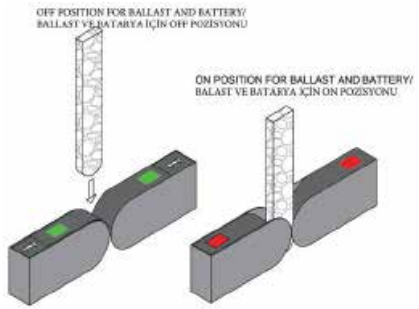
Order No.	Product Code	Power Consumption (W)	Weight (KG)
3202518	RBX 050U 40EX00 5K6 131	50	11
3202519	RBX 050U 40EX02 5K6 131 (3 Hours)	50	13
3139552	RBX 050U 60EX00 5K6 131	50	11
3139553	RBX 050U 60EX02 5K6 131 (3 Hours)	50	13
3236165	RBX 060U 57EX00 7K0 131	60	12,5
3236169	RBX 100U 40EX00 10K0 131	100	12,5
3236168	RBX 100U 60EX00 11K2 131	100	12,5

Support Tools

Ceiling Installation



Safety Lock



Zone 1 / 2 / 21 / 22
With Emergency Kit
II 2G Ex db eb mb op is IIC T4 Gb
II 2 D Ex tb IIIC T135 Db

Zone 1 / 2 / 21 / 22
Standart
II 2G Ex e mb op is IIC T4 Gb
II 2D Ex tb IIIC T135 Db

HBC-EX ZONE1

EAE
LIGHTING

Ex

HBC-EX ZONE1

With its high resistance to explosion, HBC-EX ZONE-1 exhibits excellent performance against dust ignition in explosive gas atmosphere and explosive dust atmosphere. Offering long-lasting use in project areas, HBC-EX ZONE -1 is the common solution of different industries that need lighting.

Exproof Product Features

Zone : Zone 1 / 21 / 2 / 22
Group / Category : II / 2GD
Protection Class : 2GD
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T6 / T85°C
Certificate Code : EX db IIC T6 Gb or
EX db eb IIC T6 Gb
EX tb IIIC T85°C Db

Mechanical Features

Body : Aluminium Injection
Luminaire Surface : Glass with Screen Printing
Sealing : Temperature Resistant Silicone Gasket
Gland (Inlet) : 2xM20
Gland (Outlet) : 2xM20
Support Tools : Pendant, Pipe, Ceiling, Cable Tray, Angular
Screws and bolts : Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : LED
Consumption Power : 70W/107W/130W
Lumen : 9600 lm/14300 lm/17300 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 2700K / 3000K / 4000K / 5000K / 5700K / 6500K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Ceiling Installationj
Housing Colour : Grey Polyester

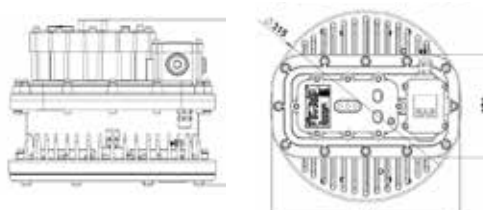
Opsiyonlar

EMERGENCY KIT : Yes (1-3 Hours)
DALI : Yes

Dimensions

Width : 311 mm
Height : 251 mm
Weight : 11 kg

Technical Drawing

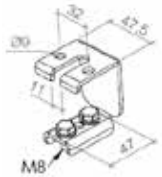


Order Chart

Order No.	Product Code	Power Consumption (W)	Weight (KG)
3254978	HBC 070U 50EX00 120 9K6 Z1	70	11
3254979	HBC 070U 50EX01 120 9K6 Z1	70	11
3254980	HBC 070U 50EX02 120 9K6 Z1	70	11
3254983	HBC 070U 50EX03 120 9K6 Z1	70	11
3254984	HBC 070U 50EX04 120 9K6 Z1	70	11
3254386	HBC 070U 50EX05 120 9K6 Z1	70	11
3254977	HBC 107U 50EX00 120 14K3 Z1	107	11
3254982	HBC 107U 50EX03 120 14K3 Z1	107	11
3254969	HBC 130U 50EX00 120 17K3 Z1	130	11
3254981	HBC 130U 50EX03 120 17K3 Z1	130	11

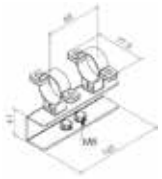
Support Tools

Cable Tray



Order Code : 3244478
Product Code : LIN CABLE TRAY AND SUPPORT SET

Pipe Assembly Suspension Set

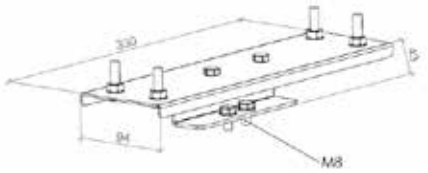


Order Code : 3244500
Product Code : LIN MN TUBE INST. SUPPORT SET

Ceiling Tray Wall Suspension Set

Order Code : 3244499
Product Code : LIN MN ANGULAR CEILING TRAY WALL SUPPORT SET

Flush Ceiling Wall Suspension Set

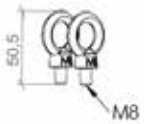


Order Code : 3245127
Product Code : LIN MN EX FLUSH CEILING INST. SUPPORT SET

Ceiling Tray Assembly Suspension Set

Order Code : 3244501
Product Code : LIN MN LNR CEILING TRAY INST. SUPPORT SET

Ceiling Tray Assembly Suspension Set



Order Code : 3244480
Product Code : LIN PENDANT SUPPORT SET

EX-FLEX

EAE
LIGHTING

Ex

EX-FLEX

Offering a multi-functional solution for emergency lighting and escape lighting issues, EX FLEXE is suitable for explosive areas at ambient temperatures from -20 °C to +50 °C, in Zones 1/21/2/22 that require durability with its high-strength housing. Guaranteeing long-lasting use for harsh environmental conditions with its EMERGENCY KIT and DALI options, EX FLEXE minimizes possible lighting problems.

CE Ex ATEX 1F 3F EAC CB

Exproof Product Features

Zone : Zone 1 / 21 / 2 / 22
Group / Category : II / 2G / II 2D
Protection Class : db eb tb
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class : T6 / T80°C
Certificate Code : EX db IIC T6 Gb or
EX db eb IIC T6 Gb
EX tb IIIC T80°C Db

Mechanical Features

Body : Aluminium Dust Painted Housing
Luminaire Surface : Borosilicate Glass Tube
Sealing : Temperature Resistant Silicone Gasket
Gland (Inlet) : 2x M20
Gland (Outlet) : 2x M20
Support Tools : Pendant, Pipe, Wall, Ceiling
Screws and bolts : Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : LED
Consumption Power : 12 W
Lumen : 344 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 4000K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Pendant, Pipe, Wall, Ceiling
Housing Colour : Grey Polyester

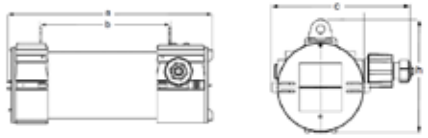
Options

EMC : Yes (3 Hours)

Dimensions

Width : 220 mm
Length : 370 mm
Height : 174 mm
Weight : 4 Kg

Technical Drawing



Order Chart

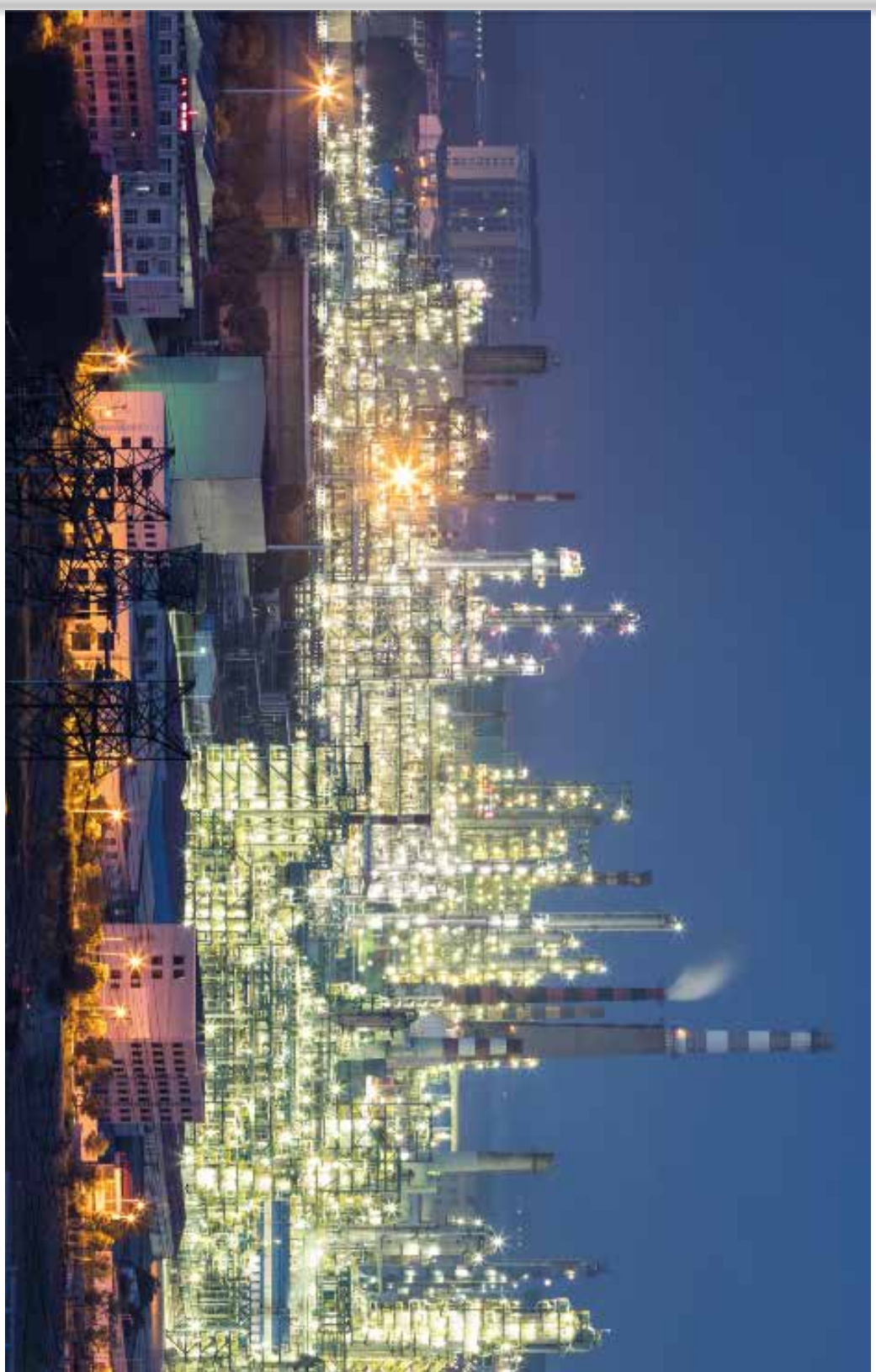
Order No.	Product Code	Power Consumption (W)	Weight (KG)
3266114	EXT FLXE ZONE-1 3H EMC	11,9	4

Support Tools

Ceiling Installation

Zone 1 / 2 / 21 / 22
Ex db IIC T6 Gb or
Ex db eb IIC T6 Gb
Ex tb IIIC T80°C Db

Zone 2 (Gas)
Zone 22 (Dust)



Content

Prolit

Prolit Kompakt

Cushido

SOON

HBC-EX ZONE 2

EX - VYR

Prolit

EAE
LIGHTING

Prolit

Offering a long service life for years thanks to its sealed and durable housing, Prolit provides benefits for various environment conditions with its alternative lens types. Providing different colour temperature options, Prolit is offered to users with a wide range of lumen options. Providing high energy efficiency with its High Power LED, this product is also offered with IP66 protection class. Prolit is heat and shock absorbent thanks to its high strength tempered glass. Prolit is suitable for harsh ambient conditions with temperature ranging from -20 °C to +42 °C.

Exproof Product Features

Zone : Zone 2 / 22
Group / Category : II / 3GD
Protection Class : ec / tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T4 / T135°
Certificate Code : EX II 3G Ex db IIC T4 Gb
EX II 3D Ex tb IIIC T135°C Gb

Mechanical Features

Body : Aluminium Injection Housing
Luminaire Surface : Thermal Tempered Glass
Sealing : High Temperature Resistant Silicone Gasket
Gland (Inlet) : 1 x ISO M20 and 1x ISO M25
Gland (Outlet) : 1 x ISO M16 / 1 x ISO M20 / 1 x ISO M25
Support Tools : AISI 316L Stainless Steel
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Power LED
Consumption Power : 102 W / 132 W / 150 W / 176 W / 206 W
Lumen : 14879 lm / 17334 lm / 19753 lm / 22585 lm / 25760 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 4000K
CRI : >80
Optical : 22° Lens / 32° Lens / 57° Lens / 99° Lens / Asymmetrical Lens

Other Features

Support Type : Ceiling, Cable Tray, Pole, Chain Support
Housing Colour : MV 3004 (BLACK)

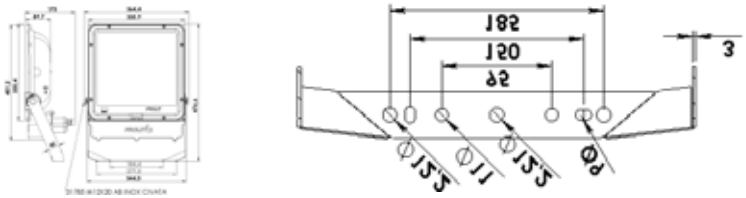
Options

Gland Inlet : M20, M16
Gland Outlet : M20, M16
DALI : Yes

Dimensions

Width : 336 mm
Length : 476 mm
Height : 173 mm

Technical Drawing

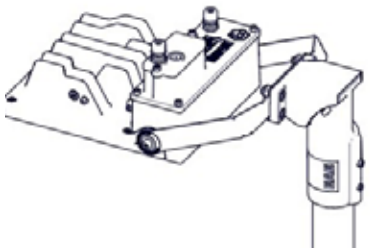


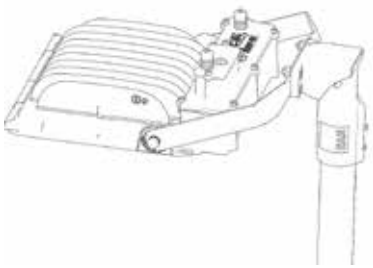
Order Chart

Order No.	Product Code	Consumption Power	Ağırlık
3177895	PRL 102Z 40EX00 22 14K9 OP2	102 W	9
3177896	PRL 102Z 40EX00 32 14K1 OP2	102 W	9
3177897	PRL 102Z 40EX00 57 14K6 OP2	102 W	9
3177898	PRL 102Z 40EX00 99 14K3 OP2	102 W	9
3177899	PRL 102Z 40EX00 AS 14K3 OP2	102 W	9
3207348	PRL 132Z 40EX00 22 17K3 OP2	132 W	9
3207349	PRL 132Z 40EX00 32 16K6 OP2	132 W	9
3207350	PRL 132Z 40EX00 57 17K1 OP2	132 W	9
3207351	PRL 132Z 40EX00 99 16K2 OP2	132 W	9
3207352	PRL 132Z 40EX00 AS 16K8 OP2	132 W	9
3177910	PRL 150Z 40EX00 22 19K8 OP2	150 W	9
3177911	PRL 150Z 40EX00 32 19K3 OP2	150 W	9
3177912	PRL 150Z 40EX00 57 19K4 OP2	150 W	9
3177913	PRL 150Z 40EX00 99 19K8 OP2	150 W	9
3177914	PRL 150Z 40EX00 AS 19K8 OP2	150 W	9
3177925	PRL 176Z 40EX00 22 22K6 OP2	176 W	9,1
3177926	PRL 176Z 40EX00 32 21K8 OP2	176 W	9,1
3177927	PRL 176Z 40EX00 57 22K1 OP2	176 W	9,1
3177928	PRL 176Z 40EX00 99 21K8 OP2	176 W	9,1
3177929	PRL 176Z 40EX00 AS 21K8 OP2	176 W	9,1
3177940	PRL 206Z 40EX00 22 25K8 OP2	206 W	9,2
3177941	PRL 206Z 40EX00 32 25K2 OP2	206 W	9,2
3177942	PRL 206Z 40EX00 57 25K2 OP2	206 W	9,2
3177943	PRL 206Z 40EX00 99 24K5 OP2	206 W	9,2
3177944	PRL 206Z 40EX00 AS 24K5 OP2	206 W	9,2

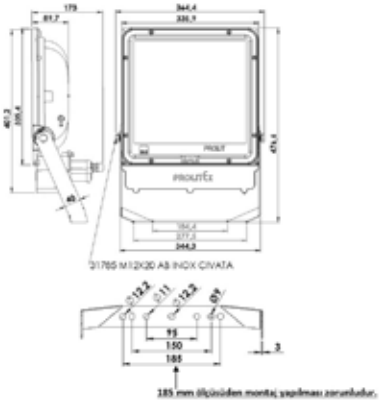
Support Tools

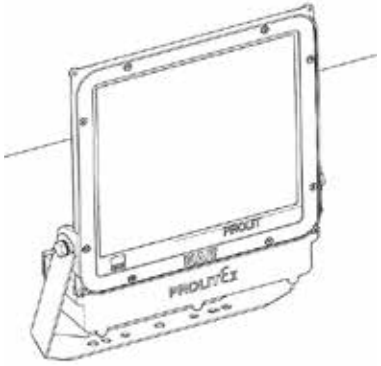
Pole Type Installation





Ceiling and Wall Installation





Zone 2 / 22

Standart

II 3G Ex ec IIC T4 Gc

II 3D Ex tc IIIC T135 Dc

Prolit Kompakt MID POWER LED

EAE
LIGHTING

Prolit Kompakt MID POWER LED

Guaranteeing high strength and a long service life, Prolit Compact is very robust with its sealed aluminium injection housing. Offering a wide light angle with its alternative lens options, this product provides high lighting efficiency thanks to its Mid Power LED. It is resistant against heat and impacts and offers low cost of operation. Its tempered glass with screen printing is suitable for harsh environmental conditions. With all these features, Prolit Compact meets the lighting requirements of explosive environments in the best way.

Exproof Product Features

Zone : Zone 2
Group / Category : II / 3GD
Protection Class : ec / tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T4 / T135°
Certificate Code : EX II 3G Ex db IIC T4 Gb
EX II 3D Ex tb IIIC T135°C Gb

Mechanical Features

Body : Aluminium Injection Housing / Zone 2
Luminaire Surface : Tempered Ground Glass
Sealing : High Temperature Resistant Silicone Gasket
Gland (Inlet) : Input std. 1 x ISO M16
Support Tools : Internal Leg
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : MID Power LED
Consumption Power : 43 W / 49 W / 70 W / 95 W
Lumen : 6200 lm / 7000 lm / 7625 lm / 10767 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 3000K / 4000K / 5700K
CRI : >70
Optical : 35°/ 60°/ 90°

Other Features

Support Type : Ground Installation
Housing Colour : MW 3004 (BLACK)

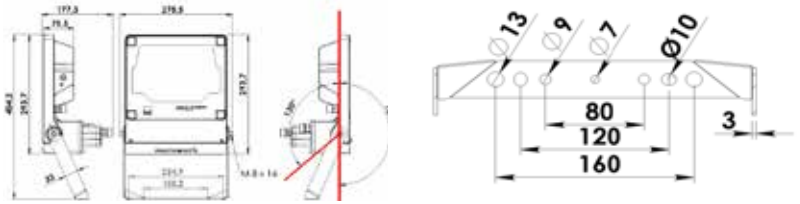
Options

Gland Inlet : ISO M20, ISO M25
Gland Outlet : ISO M16, ISO M20, ISO M25
DALI : Yes

Dimensions

Width : 279 mm
Length : 294 mm
Height : 177 mm

Technical Drawing



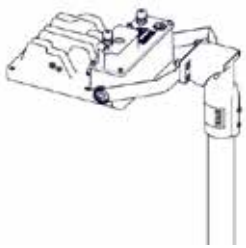
Order Chart

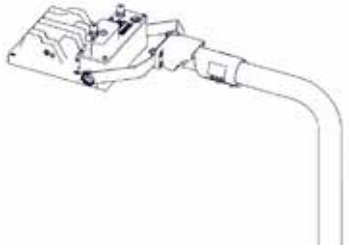
Order No.	Product Code	Power Consumption (W)	Ağırlık (KG)
3207389	PRK 043Z 40EX00 35 6K2 V.3 MP	43	5,25
3207390	PRK 043Z 40EX00 60 6K2 V.3 MP	43	5,25
3207391	PRK 043Z 40EX00 90 6K2 V.3 MP	43	5,25
3207409	PRK 049Z 40EX00 35 7K0 V.3 MP	49	5,25
3207410	PRK 049Z 40EX00 60 7K0 V.3 MP	49	5,25
3207411	PRK 049Z 40EX00 90 7K0 V.3 MP	49	5,25
3184039	PRK 070Z 40EX00 35 7K70 V.3 MP	70	5,25
3184040	PRK 070Z 40EX00 60 7K90 V.3 MP	70	5,25
3184041	PRK 070Z 40EX00 90 8K20 V.3 MP	70	5,25
3184047	PRK 095Z 40EX00 35 10K8 V.3 MP	95	5,25
3184048	PRK 095Z 40EX00 60 11K4 V.3 MP	95	5,25
3184049	PRK 095Z 40EX00 90 11K0 V.3 MP	95	5,25

-20 °C +45 °C

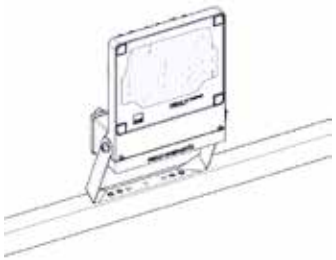
Support Tools

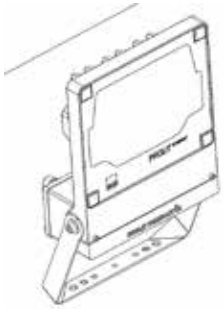
Pole Type Installation





Ceiling and Wall Installation





Zone 2 / 22

Standart

II 3G Ex ec IIC T4 Gc

II 3D Ex tc IIIC T135 Dc

Prolit Kompakt POWER LED

EAE
LIGHTING

Prolit Kompakt POWER LED

Guaranteeing high strength and a long service life, Prolit Compact is very robust with its sealed aluminium injection housing. Offering a wide light angle with its alternative lens options, this product provides high lighting efficiency thanks to its Mid Power LED. It is resistant against heat and impacts and offers low cost of operation. Its tempered glass with screen printing is suitable for harsh environmental conditions. With all these features, Prolit Compact meets the lighting requirements of explosive environments in the best way.

Exproof Product Features

Zone : Zone 2
Group / Category : II / 3GD
Protection Class : ec / tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T4 / T135°
Certificate Code : EX II 3G Ex db IIC T4 Gb
EX II 3D Ex tb IIIC T135°C Gb

Mechanical Features

Body : Aluminium Injection Housing / Zone 2
Luminaire Surface : Tempered Ground Glass
Sealing : High Temperature Resistant Silicone Gasket
Gland (Inlet) : Input std. 1 x ISO M16
Support Tools : Internal Leg
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Power LED
Consumption Power : 40 W / 51 W / 62 W / 75 W / 96 W
Lumen : 5100 lm / 6100 lm / 7100 lm / 8034 lm / 11206 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 3000K / 4000K / 5700K
CRI : >70
Optical : 16° / 27°/ 52°/ 98°/ AS

Other Features

Support Type : Ground Installation
Housing Colour : MW 3004 (BLACK)

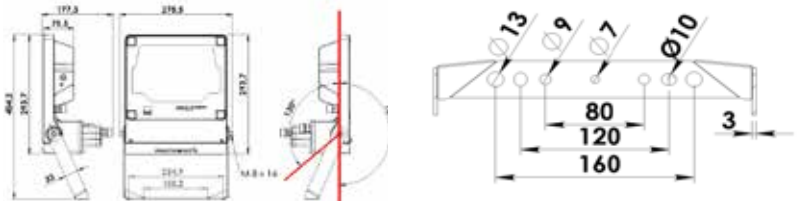
Options

Gland Inlet : ISO M20, ISO M25
Gland Outlet : ISO M16, ISO M20, ISO M25
DALI : Yes

Dimensions

Width : 279 mm
Length : 294 mm
Height : 177 mm

Technical Drawing

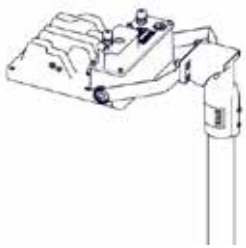


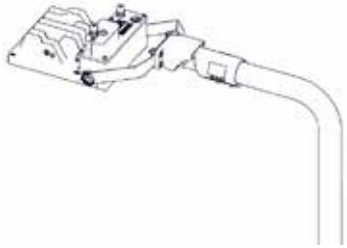
Order Chart

Order No.	Product Code	Power Consumption (W)	Weight (KG)
3207369	PRK 040Z 40EX00 16 5K1 V.3	40	5,25
3207370	PRK 040Z 40EX00 27 5K1 V.3	40	5,25
3207371	PRK 040Z 40EX00 52 5K1 V.3	40	5,25
3207372	PRK 040Z 40EX00 98 5K1 V.3	40	5,25
3207373	PRK 040Z 40EX00 AS 5K1 V.3	40	5,25
3207429	PRK 051Z 40EX00 16 6K1 V.3	51	5,25
3207430	PRK 051Z 40EX00 27 6K1 V.3	51	5,25
3207431	PRK 051Z 40EX00 52 6K1 V.3	51	5,25
3207432	PRK 051Z 40EX00 98 6K1 V.3	51	5,25
3207433	PRK 051Z 40EX00 AS 6K1 V.3	51	5,25
3207449	PRK 062Z 40EX00 16 7K1 V.3	62	5,25
3207450	PRK 062Z 40EX00 27 7K1 V.3	62	5,25
3207451	PRK 062Z 40EX00 52 7K1 V.3	62	5,25
3207452	PRK 062Z 40EX00 98 7K1 V.3	62	5,25
3207453	PRK 062Z 40EX00 AS 7K1 V.3	62	5,25
3184042	PRK 075Z 40EX00 16 8K10 V.3	75	5,5
3184043	PRK 075Z 40EX00 27 7K70 V.3	75	5,5
3184044	PRK 075Z 40EX00 52 7K50 V.3	75	5,5
3184045	PRK 075Z 40EX00 98 7K60 V.3	75	5,5
3184046	PRK 075Z 40EX00 AS 7K40 V.3	75	5,5

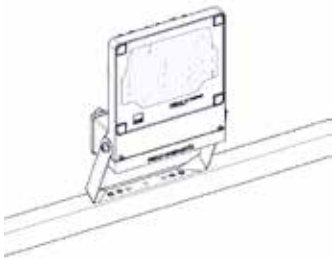
Support Tools

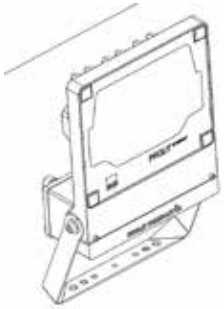
Pole Type Installation





Ceiling and Wall Installation





Zone 2 / 22

Standart

II 3G Ex ec IIC T4 Gc

II 3D Ex tc IIIC T135 Dc

Cushido

EAE
LIGHTING

Cushido

Designed for Ex-Proof, Zone 2/22 lighting, Cushido's polycarbonate housing with high impact and heat resistance guarantees a long service life. Offering alternative support types and an emergency kit option, this product provides safe light distribution thanks to its Polycarbonate diffuser. Cushido offers economy thanks to its Mid Power LED. With its advanced structure and affordable cost, it offers quality lighting solutions for harsh conditions with temperatures ranging from -25 °C to +55 °C.

Exproof Product Features

Zone : Zone 2 / 22
Group / Category : II / 3GD
Protection Class : ec / tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T6 / T85°
Certificate Code : EX II 3G Ex ec IIC T6 Gc
EX II 3D Ex tc IIIC T85°C Dc

Mechanical Features

Body : Robust Polycarbonate Housing (PC) with High Mechanical Resistance
Luminaire Surface : Robust Polycarbonate Diffuser (PC) with High Mechanical Resistance
Sealing : High Temperature Resistant Silicone Gasket
Gland (Inlet) : Input std. 1 x ISO M20
Support Tools : AISI 316L Stainless Steel
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Mid Power LED
Consumption Power : 42 W / 58 W / 53 W / 71 W
Lumen : 5820 lm / 8010 lm / 7280 lm / 10010 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 4000K / 6500K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Ceiling, Wall, Cable Tray, Angled
Housing Colour : Grey Polyester

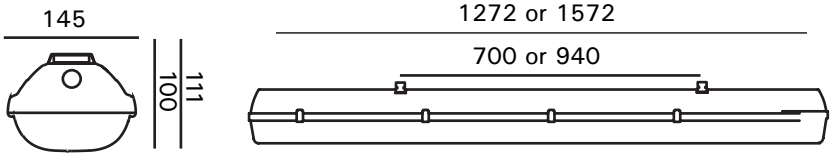
Options

Emergency Kit : Yes (1 hours or 3 hours)

Dimensions

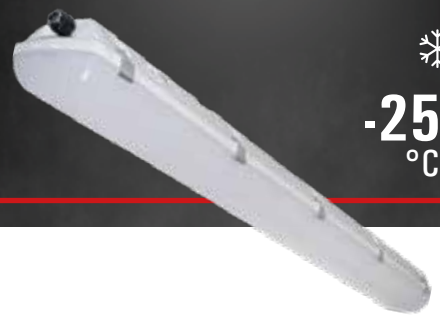
Width : 145 mm
Length : 1272 mm (1572 mm for 71 W)
Height : 111 mm

Technical Drawing



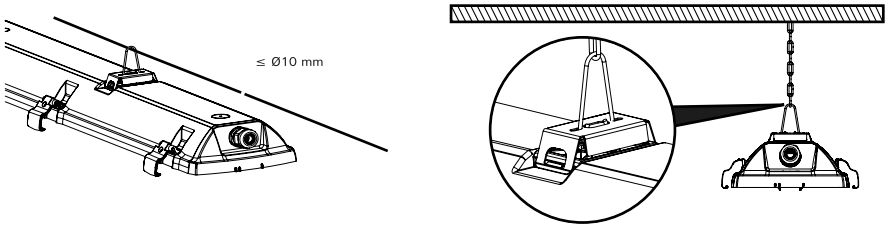
Order Chart

Order No.	Product Code	Power Consumption (W)	Weight (KG)
3188599	CSD 042U 40EX00 5K8 120	42	3,4
3188582	CSD 058U 40EX00 8K0 120	58	3,5
3191567	CSD 053U 40EX00 7K3 150	53	4,3
3188583	CSD 071U 40EX00 10K0 150	71	4,4

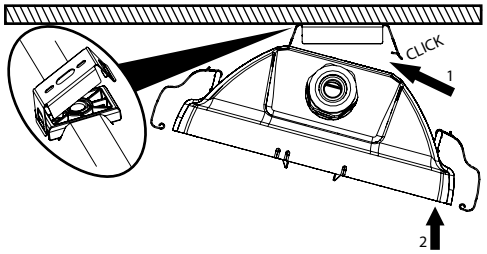


Support Tools

Wall Installation and Ceiling Support Installation



Ceiling and Wall / Angled Installation



Zone 2 / 22
II 3G Ex ec IIC T6 Gc
II 3D Ex tc IIIC T85 Dc

HBC-EX ZONE 2

EAE
LIGHTING

HBC-EX ZONE 2

With its round Aluminium Injection housing, HBC-EX ZONE 2 offers high resistance in challenging conditions. Offering a long service life, HBC-EX ZONE 2 is suitable for harsh weather conditions with its PMMA/PC surface. It is very efficient with its wide lumen range options and its economical Mid Power LED. Offering EMERGENCY KIT and DALI options, this product minimizes possible lighting problems. Designed for harsh ambient conditions with temperature ranging from -20 °C to +45 °C, HBC-EX ZONE 2 is the common solution of different industries which require lighting.

Exproof Product Features

Zone : Zone 2 / 22
Group / Category : II / 3GD
Protection Class : ec / tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T6 / T5
Certificate Code : II 3G Ex nR IIC T5,T6 Gc
II 3D Ex tb IIIC T100, T85°C Dc

Mechanical Features

Body : Aluminium Injection
Luminaire Surface : PMMA / PC
Sealing : High Temperature Resistant Silicone Gasket
Gland (Inlet) : Input std. 1 x ISO M16
Support Tools : AISI 316L Stainless Steel
Screws and bolts : AISI 316L Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : Mid Power LED
Consumption Power : 65 W / 75 W / 98 W / 115 W / 144 W / 154 W / 164 W / 181 W / 197 W
Lumen : 8026lm / 11470lm / 13135lm / 13410lm / 19129lm / 20125lm / 8600lm / 13000lm / 15300lm / : 15300lm / 19300lm / 22600lm / 25300lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 2700K / 3000K / 4000K / 5000K / 5700K / 6500K
CRI : >80
Optical : 50° / 55° / 80° / 90°

Other Features

Support Type : Ceiling, Support Installation
Housing Colour : SW 306G (SMOKE-COLOURED)

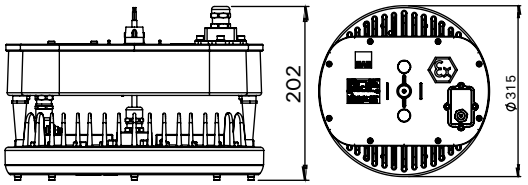
Options

Gland Inlet : ISO M20, ISO M25
Gland Outlet : ISO M16, ISO M20, ISO M25
DALI : Yes
Emergency Kit : Yes

Dimensions

Width : 315 mm
Height : 215 mm

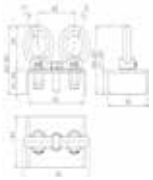
Technical Drawing



Order Chart

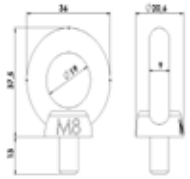
Order No.	Product Code	Power Consumption (W)	Weight (KG)
3204591	HBC 075U 57EX00 78 8K0 PC Z2	75	6,8
3204593	HBC 075U 57EX02 81 7K8 PC EMC Z2	75	7,2
3204596	HBC 097U 57EX00 76 10K6 PC Z2	97	6,7
3204598	HBC 100U 57EX02 60 11K9 PC EMC Z2	100	6,5
3204601	HBC 116U 57EX00 78 14K4 PC Z2	116	7
3204605	HBC 115U 57EX02 49 13K1 PC EMC Z2	115	7,5
3204608	HBC 154U 57EX00 84 17K5 PC Z2	154	7
3204609	HBC 181U 57EX00 76 19K1 PC Z2	181	7
3204610	HBC 197U 57EX00 78 20K1 PC Z2	197	6,9

Emergency Kit Single Point Suspension Set



Order Code : 3224449
Product Code : HBC EMERGENCY KIT SINGLE POINT SUPPORT SET (TN)

Eyebolt Suspension Set



Order Code : 1014459
Product Code : M8 EYEBOLT

Emergency Kit Busbar Suspension Set

Order Code : 3188239
Product Code : HBC EMERGENCY KIT BUSBAR SUPPORT SET

Emergency Kit Tray Suspension Set

Order Code : 3188240
Product Code : HBC EMERGENCY KIT TRAY SUPPORT SET

SOON

Zone 2 / 22
II 3G Ex nR IIC T5,T6 Gc
II 3D Ex tb IIIC T100, T85°C Dc

EX-VYR

EAE
LIGHTING

EX-VYR

Designed for the lighting needs of Zone 2/22 zones, EX VYR is suitable for facilities with flammable and explosive properties with its advanced mechanical features. The product with emergency lighting offers maximum lighting performance in explosive environments where the temperature reaches from -20 °C to +50 °C in harsh ambient conditions.

Exproof Product Features

Zone : Zone 2 / 22
Group / Category : II / 3GD
Protection Class : nR tc
Explosion Group : IIC / IIIC
Maximum Surface Temperature Class: T6 / T65°C
Certificate Code : EX II 3G Ex nR IIC T6 Gc
EX II 3D Ex tc IIIC T65°C Dc

Mechanical Features

Body : Plastic material PC
Luminaire Surface : PC (Polycarbonate) Opal
Sealing : Temperature Resistant Silicone
Gland (Inlet) : 2x M20
Gland (outlet) : 2x M20
Support Tools : Surface Mounted
Screws and bolts : Stainless Steel
IP : IP66

Electrical and Optical Properties

Light Source : LED
Consumption Power : 13.8 W
Lumen : 1057.4 lm
Input Voltage : 220-240V (50-60 Hz)
Colour Temperature : 4000K
CRI : >80
Optical : Obtuse Angle

Other Features

Support Type : Surface Mounted
Housing Colour : Grey Polyester

Options

Emergency Kit : Yes (3 Hours)

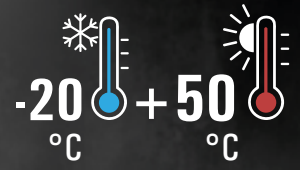
Dimensions

Width : 176 mm
Length : 338 mm
Height : 110 mm
Weight : 4 Kg

Technical Drawing

Order Chart

Order No.	Product Code	Power Consumption (W)	Weight (KG)
3266115	EXT VRY ZONE-2 3H EMC	13,8	0,8



Askı Aparatları

Duvar Montaj

Tavan Montaj

Zone 2 / 22

EX II 3D Ex tc IIIC T65°C Dc

EAE
LIGHTING

EAE LIGHTING Inc.
Ikitelli Organize Sanayi Bolgesi
Eski Turgut Ozal Caddesi No:20
Basaksehir / ISTANBUL - TURKEY
Tel : +90 212 413 21 00 (pbx)
Fax : +90 212 549 37 90
www.eaelighting.com

Available on the App Store

Google Play

/eaegroup /eaegroup /eae_group /eaecorporate /eaegroup

ışık mühendisliği