

**KERN-EX2/21-G-L04-840-1200-ND3D2-08-PD**

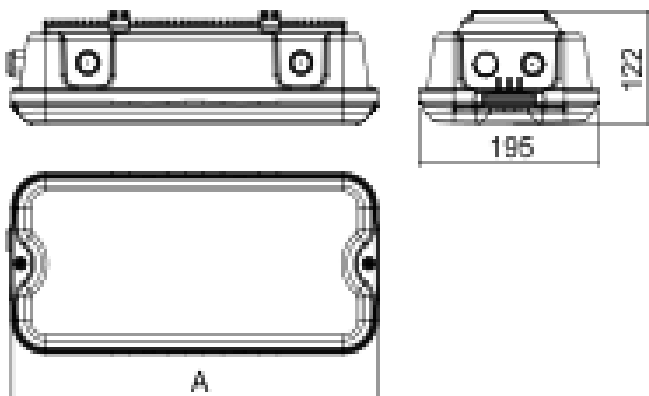
 Product type: **W0011G04012-84NMSOPD050008S**

 Item number: **63601**
**IP66/IP67**
 **2/21**


KERN is a compact industrial and emergency luminaire designed for explosion hazardous environments for ATEX zone 2/21. The body is made of robust polycarbonate (RAL 7035) and is UV stable, ensuring long term durability. The housing is made of opal polycarbonate, which provides effective light diffusion and high impact resistance. The luminaire is available in different chromaticity temperatures to adapt to different environments. The luminaire can be equipped with a dimming function on request. The emergency version is equipped with a magnetic switch that allows control of the emergency function without opening the luminaire. Designed to be mounted and hinged.

**ADVANTAGES:**

- European product – made in the Czech Republic
- ATEX/IECEX certification – zone 2/21
- Compact size
- Robust IK08 body
- High water and dust resistance IP66/IP67
- Emergency mode function control without opening the luminaire
- UV resistance
- High specific output up to 167 lm/W
- Wide temperature resistance from -30 °C to +60 °C (depending on luminaire variant)
- Control with certified DALI2 driver


**Dimensions**
**A x B x C**

395 mm x 195 mm x 122 mm

**Net weight**

2,5 kg

## Specifications

### Light technical data

Lighting fixture luminous flux	1086 lm +/-10%	Luminaire luminous flux in emergency mode	388 lm +/-10%
Luminaire efficiency	155 lm/W	CRI	≥80
MacAdam	3	Lifetime L80B50@max°C	110 000 h
Lifetime L90B50@25°C	110 000 h	Beam angle	Very wide beam >80°
Colour temperature	4000 K		

### Electrical data

Power input	7 W	Luminaire power in emergency mode	2,5 W
Rated voltage AC	220-240 V	Frequency	50/60 Hz
Rated voltage DC	220-240 V	Control method	DALI2 luminaire + emergency 3h, DALI
Through-wiring	Without through-wiring	Insulation class	I
Number of luminaires per circuit breaker B10A	31	Number of luminaires per circuit breaker B16A	50
Number of luminaires per circuit breaker C10A	52	Number of luminaires per circuit breaker C16A	85
Momentum current	5 A	Luminaire autonomy (min)	180

### Mechanical data

IP classification	IP66/IP67	IK classification	IK08
Warranty	5 years	Operating temperature	0°C ≤ t ≤ 40°C

### Certification

ATEX	FTZU 25 ATEX 0018X	IECEX	IECEX FTZU 25.0013X
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### Explosion protection ATEX

Ex ZONE	2/21	ATEX zone – gas	Ex II 3G Ex nR IIC T6 Gc
ATEX zone – dust	EX II 2D Ex tb IIIC T85°C Db		

**Explosion protection IECEx****IECEx zone – dust**

Ex tb IIIC T85°C Db

**IECEx zone – gas**

Ex nR IIC T6 Gc

**Materials****Material of the body**

PC (polycarbonate)

**Body colour**

RAL 7035 grey

**Cover material**

PC (polycarbonate) opal

**Packaging****Barcode (EAN)**

8592040460484

**Number of pieces per pallet**

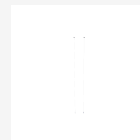
56 pcs

**Gross weight**

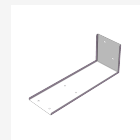
2,75 kg

**Accessories to order**
**Cable suspender – 3 m (2 pcs)**

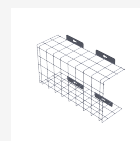
Item number: **3575**  
 Product type: **051131**


**Wall bracket**

Item number: **6902**  
 Product type: **061066**


**KERN protective cage – L04**

Item number: **62858**  
 Product type: **001610-RAL9016**


**Set of wall brackets – angle 45° KERN, AISI304 (2 pcs)**

Item number: **63139**  
 Product type: **051159**


**Set of pole brackets (Ø 60 mm), AISI304 (2 pcs)**

Item number: **60089**  
 Product type: **051093**


**Set of pole brackets (Ø 50 mm), AISI304 (2 pcs)**

Item number: **60090**  
 Product type: **051094**


**Set of pole brackets (Ø 42 mm), AISI304 (2 pcs)**

Item number: **60091**  
 Product type: **051095**


**Pictogram KERN – with escape route to the left**

Item number: **62832**  
 Product type: **009466**

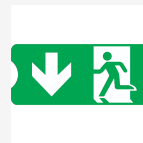


**Pictogram KERN – with escape route to the right**

Item number: **62833**  
 Product type: **009467**


**Pictogram KERN – with escape route downstairs**

Item number: **62834**  
 Product type: **009468**


**Pictogram KERN – with escape route upstairs**

Item number: **62835**  
 Product type: **009469**


**Pictogram KERN – with EXIT**

Item number: **62836**  
 Product type: **009470**


**Tightening wrench for cable glands**

Item number: **63024**  
 Product type: **038014**


**KERN accessories– glands for armored cable**

Item number: **63458**  
 Product type: **051162**


**KERN – Grounding washer under cable glands (1 pc)**

Item number: **66889**  
 Product type: **051163**


**Set of pole brackets (Ø 60 mm), AISI316 (2 pcs)**

Item number: **66929**  
 Product type: **051125**


**Set of pole brackets (Ø 50 mm), AISI316 (2 pcs)**

Item number: **66930**  
 Product type: **051126**



## Set of pole brackets (Ø 42 mm), AISI316 (2 pcs)

Item number: **66931**

Product type: **051127**



## Set of wall brackets – angle 45° KERN, AISI316 (2 pcs)

Item number: **66937**

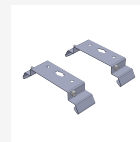
Product type: **051164**



## Set of fastening bracket KERN – IK10 (AISI304) – (2 pcs)

Item number: **66947**

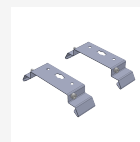
Product type: **051165**



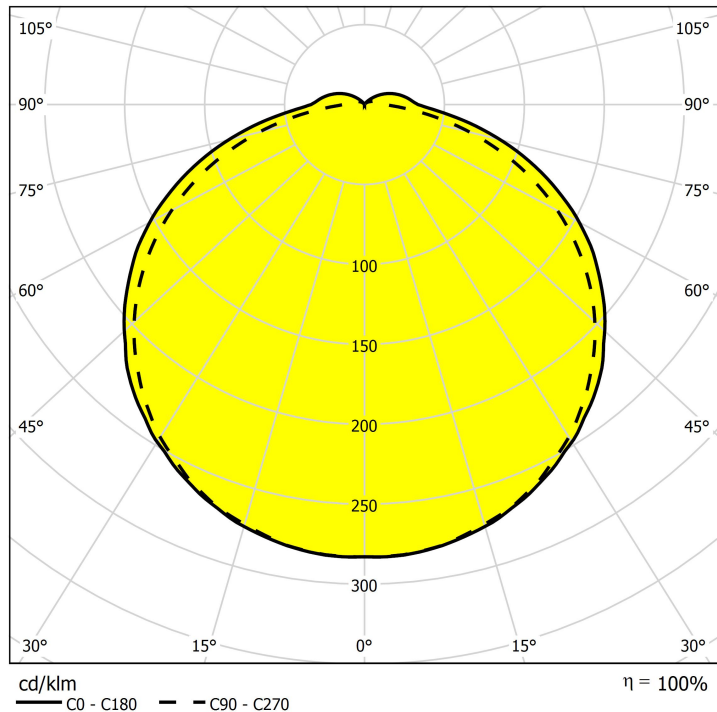
## Set of fastening bracket KERN – IK10 (AISI316L) – (2 pcs)

Item number: **66948**

Product type: **051166**



## Polar diagram



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