

KERN-EX1/21**IP66/IP67****ZONE 1/21**

Description

The KERN is a compact industrial and emergency luminaire designed for ATEX Zone 1/21 hazardous areas. 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 1/21
- 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 126 lm/W
- DALI2 control
- Wide temperature resistance from -30 °C to +50 °C

Specifications

Operating voltage:

220-240 V / 50/60 Hz AC, 220-240 V DC

Source:

LED, 5000K, CRI +80, MacAdam3

Housing:

Plastic material PC (polycarbonate), colour grey RAL 7035

Cover:

PC (polycarbonate) opal

Fastening:

Direct fixing to the ceiling or wall of the illuminated space by means of two self-locking fixing pens (standard equipment), self-locking cable suspension on two fixing pens, cable suspension by means of suspension lugs.

Connection:

Screwless three-pole terminal block, max. conductor cross-section 4 mm²

Standard equipment:

1x Ex plastic cable gland M20 for cable diameter 7-13 mm incl. gasket, 2x Ex plastic cable plug M20 incl. gasket, 2x gripping pen

KERN-Ex1/21 ATEX – zone 1/21 (FTZÚ 25 ATEX 0017X)

II 2G Ex eb mb IIC Tx Gb



II 2D Ex tb IIIC Txx°C Db

KERN-Ex1/21 IECEx – Zone 1/21 (IECEx FTZÚ 25.0012X)

Ex eb mb IIC Tx Gb

Ex tb IIIC Txx°C Db

On order

4000K/5000K/6500K – colour temperature

Variants

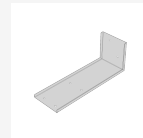
Item number	Name of variant	Luminous flux (lm)	Luminous flux in emergency mode (lm)	Luminaire efficiency	Power input (W)	Ta (°C)	Tc (K)	Dimensions A x B x C (mm)
63584	KERN-EX1/21-J-L04-840-1900-0ND-06-PD	1742	–	116 lm/W	15	-30°C≤ta≤50°C	4000	395 x 195 x 122
63585	KERN-EX1/21-J-L04-840-1900-0D2-06-PD	1742	–	116 lm/W	15	-30°C≤ta≤50°C	4000	395 x 195 x 122
63586	KERN-EX1/21-J-L04-840-1900-NM3A-06-PD	1742	441	116 lm/W	15	0°C≤ta≤35°C	4000	395 x 195 x 122
63587	KERN-EX1/21-J-L04-840-1900-ND3D2-06-PD	1742	441	116 lm/W	15	0°C≤ta≤35°C	4000	395 x 195 x 122
63588	KERN-EX1/21-J-L04-840-400-NNM3A-06-PD	–	441	–	3,5	0°C≤ta≤45°C	4000	395 x 195 x 122
63589	KERN-EX1/21-J-L04-840-400-NNMD3-06-PD	–	441	–	3,5	0°C≤ta≤45°C	4000	395 x 195 x 122
65509	KERN-EX1/21-J-L04-850-1900-0ND-06-PD	1751	–	117 lm/W	15	-30°C≤ta≤50°C	5000	395 x 195 x 122
65510	KERN-EX1/21-J-L04-850-1900-0D2-06-PD	1751	–	117 lm/W	15	-30°C≤ta≤50°C	5000	395 x 195 x 122
65511	KERN-EX1/21-J-L04-850-1900-NM3A-06-PD	1751	439	117 lm/W	15	0°C≤ta≤35°C	5000	395 x 195 x 122
65512	KERN-EX1/21-J-L04-850-1900-ND3D2-06-PD	1751	439	117 lm/W	15	0°C≤ta≤35°C	5000	395 x 195 x 122
65685	KERN-EX2/21-G-L04-840-800-0CB-06-PD	1751	–	–	15	0°C≤ta≤35°C	5000	395 x 195 x 122

Luminous flux and luminaire power tolerance ±10%

Accessories

Wall bracket

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



Set of pipe clamps Ø 60 mm (2"), AISI304 (2 pcs)

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



Set of pipe clamps Ø 50 mm (1 1/2"), AISI304 (2 pcs)

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



Set of pipe clamps Ø 42 mm (1 1/4"), AISI304 (2 pcs)

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



Stainless steel gripping pen AISI304

Item number: **60173**
Product type: **001914**



Stainless steel gripping pen AISI3116L

Item number: **60174**
Product type: **001915**


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**


KERN protective cage

Item number: **62858**
Product type: **001610 LAK**


Telescopic magnet

Item number: **63023**
Product type: **038013**


Tightening wrench for cable glands

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


KERN 45° Wall Bracket Set (2 pcs)

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



KERN equipment – M20 glands for armoured cable

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


KERN – Flush washer for pins – 1 piece

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


Set of pipe clamps Ø 60 mm (2"), AISI316 (2 pcs)

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


Set of pipe clamps Ø 50 mm (1 1/2"), AISI316 (2 pcs)

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


Set of pipe clamps Ø 42 mm (1 1/4"), AISI316 (2 pcs)

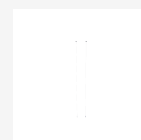
Item number: **66931**
Product type: **051127**


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

Item number: **66937**
Product type: **051164**


Cable sling – 3 m (2 pcs)

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


Other photos


© 2025 All rights reserved. VYRTYCH a.s. does not warrant the accuracy or completeness of the information provided herein and is not responsible for any events that may occur as a result of unqualified reliance on this information. The information contained herein does not constitute a commercial offer and does not form part of a quotation or contract, unless confirmed by VYRTYCH a.s..