

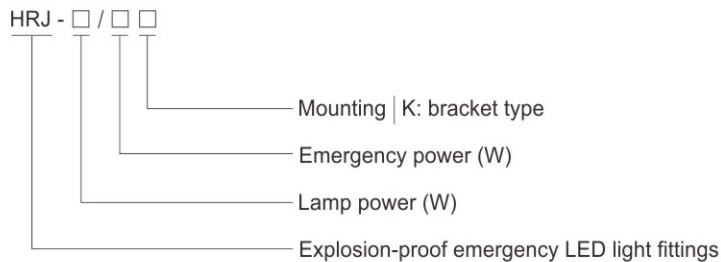
LED Light Fittings

HRJ Series Explosion-proof Emergency LED Light Fittings



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Isolated LED lamp compartment, CC-CV (constant current - constant voltage) power controller compartment and terminal compartment; Wind-convection heat dissipation structure.
- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Emergency device with battery pack, charging automatically; when power supply is cut off, the emergency device starts to work; with overcharge and overdischarge protection.
- ◆ Toughened glass cover resistant to temperature changes.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

■ Catalogue number logic



Zones 1&2; 21&22

LED Light Fittings

HRJ Series Explosion-proof Emergency LED Light Fittings

Technical data

Explosion-proof emergency LED light fittings HRJ-30/20□

Explosion protection

Global (IECEX)

IECEX CNEX 20.0005X

Gas and dust

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db IP66

Europe (ATEX)

CNEX 20 ATEX 0004X

Gas and dust

⊕ II 2 G Ex db op is IIC T6 Gb

⊕ II 2 D Ex tb op is IIIC T80°C Db IP66

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-28, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-28, IEC 60079-31

Material

Enclosure

Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)

Glass cover

Toughened glass, stands 4J impact

Exposed fastener

Stainless steel

LED driver

Wide voltage input, CC-CV (constant current - constant voltage) output, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit

Emergency controller

Special emergency controller and battery pack, with protection against over-charge and overdischarge

Lamp

Lamp specification

LED module, Multiple LED

Lamp power (W)

30W

Emergency power (W)

20W

Colour rendering index (Ra)

≥80

Colour temperature (CCT)

5700K

Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.

Rated voltage

100~277V AC 50/60Hz

Charging time

24h

Emergency duration

90min(120min is optional)

Earthing protection

M5 (internal & external earth bolts)

Degree of protection

IP66, IP67(optional)

Ambient temperature

-40°C~+60°C

Terminal

5 x 1.5~4mm²

Mounting

bracket type

Cable entries

2 x M25 x 1.5

Cable gland

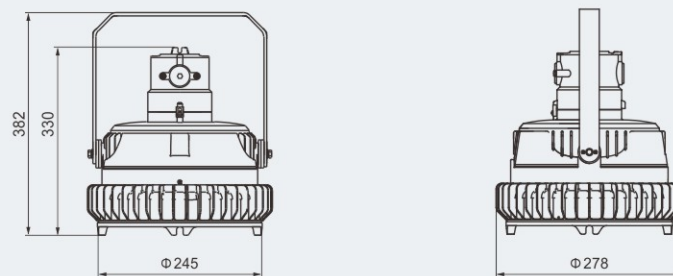
DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29

Weight

9.95kg



Dimension drawings (all dimensions in mm) - subject to alteration



HRJ-30/20□

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HRJ Series Explosion-proof Emergency LED Light Fittings

Technical data

Explosion-proof emergency LED light fittings HRJ-60/40□

Explosion protection

Global (IECEX)
Gas and dust

IECEX CNEX 20.0005X
Ex db op is IIC T6 Gb
Ex tb op is IIIC T80°C Db IP66

Europe (ATEX)
Gas and dust

CNEX 20 ATEX 0004X
⊕ II 2 G Ex db op is IIC T6 Gb
⊕ II 2 D Ex tb op is IIIC T80°C Db IP66

Certificates

Conformity to standards

IECEX; ATEX; CU-TR
EN 60079-0, EN 60079-1, EN 60079-28, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-28, IEC 60079-31

Material

Enclosure
Glass cover
Exposed fastener
LED driver

Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Toughened glass, stands 4J impact

Stainless steel

Wide voltage input, CC-CV (constant current - constant voltage) output, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit

Emergency controller

Special emergency controller and battery pack, with protection against over-charge and overdischarge

Lamp

Lamp specification
Lamp power (W)
Emergency power (W)
Colour rendering index (Ra)
Colour temperature (CCT)

LED module, Multiple LED
60W
40W
≥80
5700K

Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.

Rated voltage

Charging time

Emergency duration

Earthing protection

Degree of protection

Ambient temperature

Terminal

Mounting

Cable entries

Cable gland

Weight

100~277V AC 50/60Hz

24h

90min(120min is optional)

M5 (internal & external earth bolts)

IP66, IP67(optional)

-40°C~+60°C

5 x 1.5~4mm²

bracket type

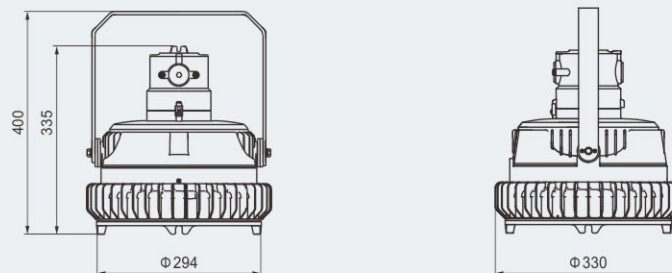
2 x M25 x 1.5

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29

12.85kg



Dimension drawings (all dimensions in mm) - subject to alteration



HRJ-60/40□

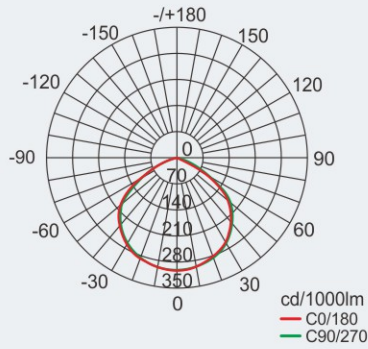
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Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5700K (cool white).

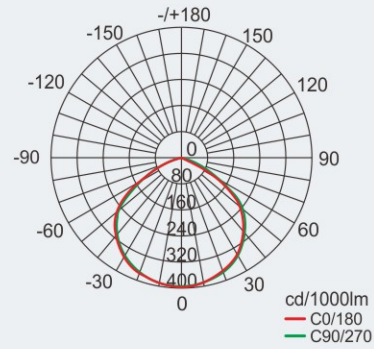
HRJ-30/20□

Lamp power (W)	Luminous flux	Wattage
30	3300lm	31.5W



HRJ-60/40□

Lamp power (W)	Luminous flux	Wattage
60	6350lm	60W



Mounting type (all dimensions in mm) - subject to alteration

K: bracket type

