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

HRJ - □ / □ □

- Mounting | K: bracket type
- Emergency power (W)
- Lamp power (W)
- Explosion-proof emergency LED light fittings

WAROM

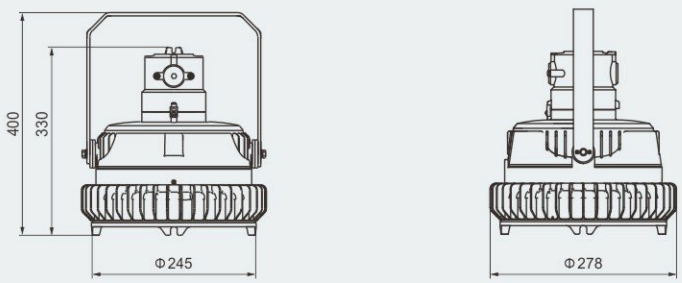
Zones 1&2; 21&22

Technical data

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

Explosion protection	
Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db op is IIC T6 Gb Ex tb op is IIIC T80℃ Db IP66
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ⓔx II 2 G Ex db op is IIC T6 Gb Ⓔx II 2 D Ex tb op is IIIC T80℃ 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℃~+55℃
Terminal	5 x 1.5~4mm^2
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 P7/20~31
Weight	9.95kg

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



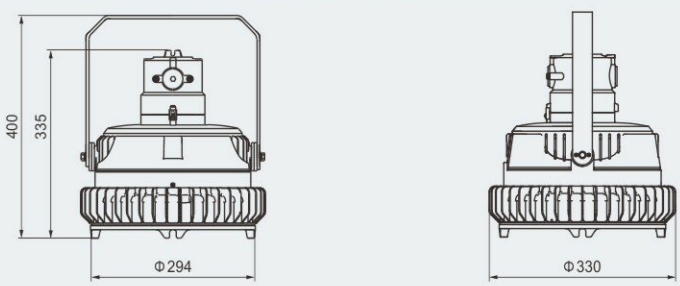
HRJ-30/20□

Technical data

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

Explosion protection	
Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db op is IIC T6 Gb Ex tb op is IIIC T80℃ Db IP66
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ⓔx II 2 G Ex db op is IIC T6 Gb Ⓔx II 2 D Ex tb op is IIIC T80℃ 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)	60W
Emergency power (W)	40W
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
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66, IP67(optional)
Ambient temperature	-40℃~+55℃
Terminal	5 x 1.5~4mm^2
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 P7/20~31
Weight	12.85kg

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

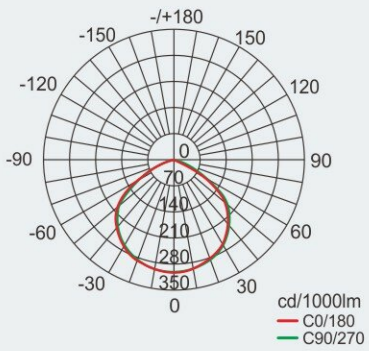


HRJ-60/40□

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

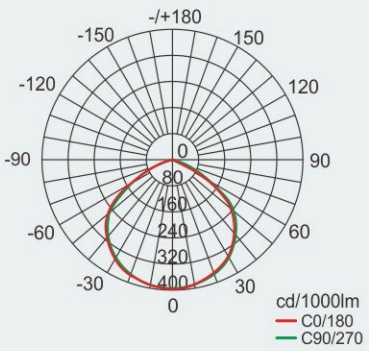
HRJ-30/20□

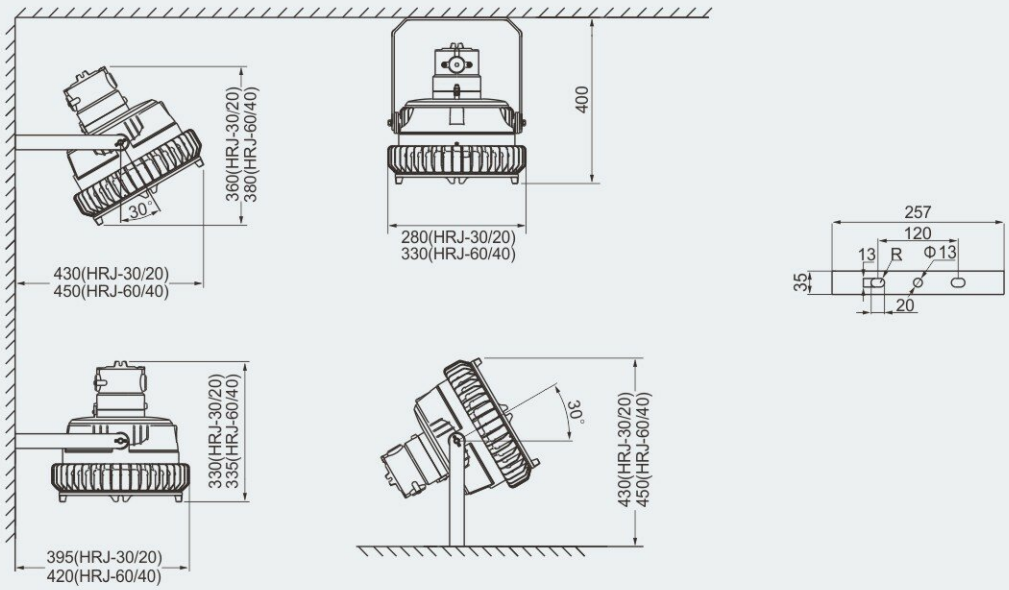
Lamp power (W)	Luminous flux	Wattage	Luminous efficacy
30	3422lm	31W	110lm/W



HRJ-60/40□

Lamp power (W)	Luminous flux	Wattage	Luminous efficacy
60	6326lm	61W	104lm/W



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

K: bracket type