LED Light Fittings
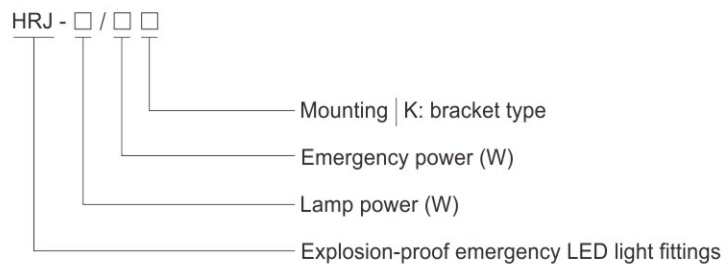## HRJ Series Explosion-proof Emergency LED Light Fittings

◆ 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 costs due to long service life, which is up to 100,000 operating hours.

■ Catalogue number logic

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HRJ - □ / □ □
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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 CNEX 20.0005X
Gas and dust	Ex db op is IIC T6 Gb
	Ex tb op is IIIC T80℃ Db
Europe (ATEX)	CNEX 20 ATEX 0004X
Gas and dust	⟨Ex⟩ II 2 G Ex db op is IIC T6 Gb
	⟨Ex⟩ II 2 D Ex tb op is IIIC T80℃ Db
Certificates	IECEx; ATEX; CU-TR; INMETRO
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

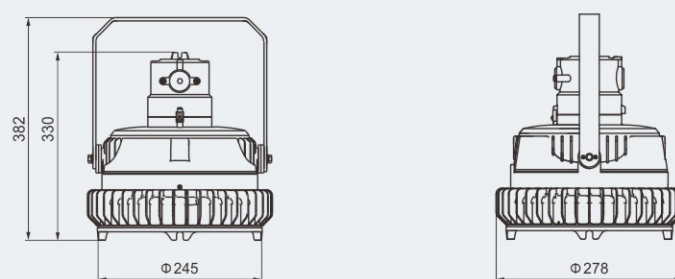|	
Lamp specification	LED module, Multiple LED
Lamp power (W)	30W
Emergency power (W)	20W
Colour rendering index (Ra)	≥80
Colour temperature (CCT)	5700K
	Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.
Rated voltage	100~277V AC 50/60Hz
Charging time	24h
Emergency duration	90min(120min is optional)
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66
Ambient temperature	-40℃~+60℃
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 P7/22~31
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 CNEX 20.0005X
Gas and dust	Ex db op is IIC T6 Gb
	Ex tb op is IIIC T80℃ Db
Europe (ATEX)	CNEX 20 ATEX 0004X
Gas and dust	⟨Ex⟩ II 2 G Ex db op is IIC T6 Gb
	⟨Ex⟩ II 2 D Ex tb op is IIIC T80℃ Db

Certificates   IECEx; ATEX; CU-TR; INMETRO
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(120min is optional)
Earthing protection   M5 (internal & external earth bolts)
Degree of protection   IP66
Ambient temperature   -40℃~+60℃
Terminal   5 x 1.5~4mm^2
Mounting   bracket type
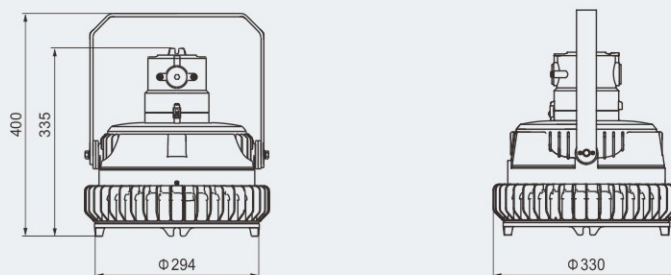**Cable entries**   2 x M25 x 1.5
Cable gland   DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/22~31
Weight   12.85kg

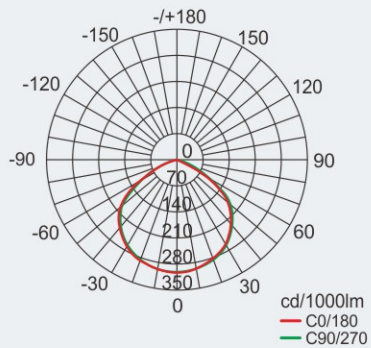## Dimension drawings (all dimensions in mm) - subject to alteration

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□

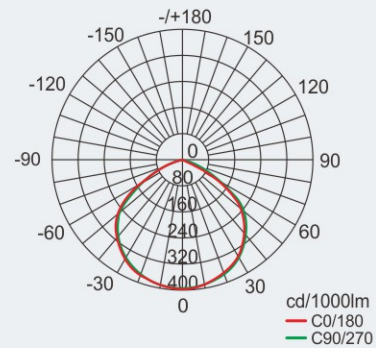| Lamp power (W)	Luminous flux	Wattage
30	3300lm	31.5W

cd/1000lm
— C0/180
— C90/270

HRJ-60/40□

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

cd/1000lm
— C0/180
— C90/270

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

K: bracket type

360(HRJ-30/20)
380(HRJ-60/40)

382(HRJ-30/20)
400(HRJ-60/40)

430(HRJ-30/20)
450(HRJ-60/40)

278(HRJ-30/20)
330(HRJ-60/40)

330(HRJ-30/20)
335(HRJ-60/40)

430(HRJ-30/20)
450(HRJ-60/40)

395(HRJ-30/20)
420(HRJ-60/40)

30°

257
120
13   R   Φ13
35
20