

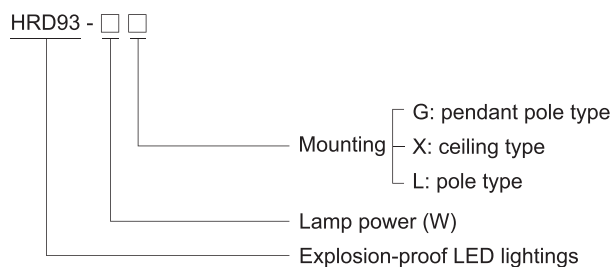
LED Light Fittings

HRD93 Series Explosion-proof LED Lightings



- ◆ 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 1, Groups A, B, C, D
- ◆ Applicable lamp and power (max.65W)
 - LED: 35W, 45W, 55W, 65W
- ◆ Unique design, without external power supply, power accessories and lamp are of integral type.

Catalogue number logic



Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5400 to 6500K (cool white).

HRD93-□□

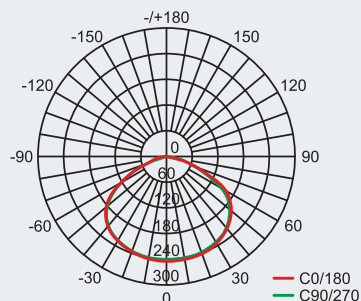
Rated luminous flux

35W LED: 3150lm

45W LED: 4050lm

55W LED: 4950lm

65W LED: 5850lm



Zones 1&2; 21&22

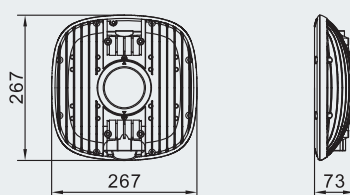
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HRD93 Series Explosion-proof LED Lightings

Technical data	
Explosion-proof LED lightings	HRD93-□□
Explosion protection	
Gas explosion protection	Ex II 2 G Ex d IIC T6 Gb
Dust explosion protection	Ex II 2 D Ex tb IIIC T80°C Db IP66
Certificates	LCIE 15 ATEX____; IECEX
Conformity to standards	EN 60079-0: 2012, EN 60079-1: 2007, EN 60079-31: 2009 IEC 60079-0: 2011, IEC 60079-1: 2007, IEC 60079-31: 2008
Material	
Enclosure	Copper-free aluminium, powder coated surface, yellow (RAL1021)
Transparent cover	Toughened glass, stands 4J impact
Power control unit	Rapid starting, stable performance, power factor ≥ 0.95
Exposed fastener	Stainless steel
Lamp	
Lamp specification	International brand of LED module
Lamp power (W)	35W, 45W, 55W, 65W
Colour Temperature (CCT)	Cool white: 5400 ~ 6500K Note: cool white is available in general. Warm white (2700~3500K) or nature white (4700~5400K) is optional, please specify when ordering.
Rated voltage	220~240V AC 50/60Hz
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66, IP67(optional)
Ambient temperature	-40°C~+55°C
Terminal	3 x 1.5~4mm ² (L+N+PE)
Mounting	Ceiling type, pole type, pendant pole type
Cable entries	2 x M25 x 1.5 (ceiling type), 1 x G3/4" (pole type, pendant pole type)
Cable gland	See Mounting Accessories and Spare Parts Table
Available cable outer diameter	Φ 10~Φ 14(mm)

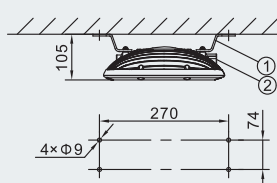


Dimension drawings (all dimensions in mm) - subject to alteration



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

X: ceiling type

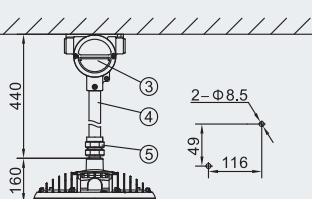


Weight: 2.50kg

Accessories supplied with the light fittings:

- ① mounting feet: 2Nos
- ② 2 x M25x1.5 plugs
- Ex d cable gland (optional)
- DQM-II (Ex d) or DQM-III (Ex d) is recommended.
- Please see P7/20-27

G: pendant pole type

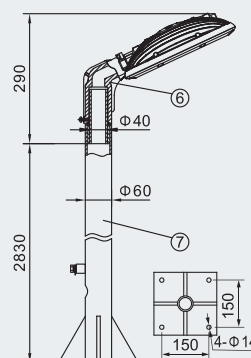


Weight: 3.70kg

Accessories supplied with the light fittings:

- ③ BHD51-F (Ex d IIC, copper-free aluminum), see P3/4
- ④ Straight pipe (M25x1.5), length: 300mm.
- ⑤ BGJ-III explosion-proof connector G3/4" (M)/M25x1.5 (F), carbon steel.

L: pole type



Weight: 3.00kg

Accessories supplied with the light fittings:

- ⑥ Pole connector of 25°, Copper-free aluminum
- Pole shall be provided by user.