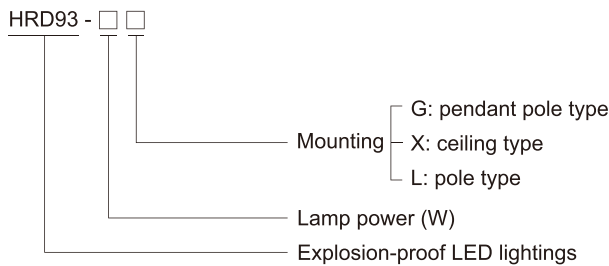


## LED Light Fittings HRD93 Series Explosion-proof LED Lightings



- ◆ 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.

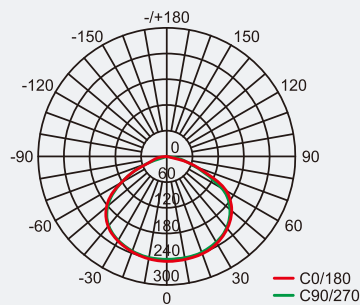
### Catalogue number logic



**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



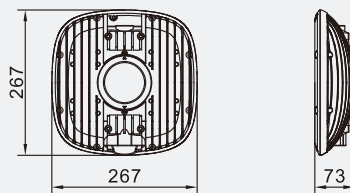
## Zones 1&2; 21&22

## LED Light Fittings HRD93 Series Explosion-proof LED Lightings

Technical data	
<b>Explosion-proof LED lightings</b>	<b>HRD93-□□</b>
<b>Explosion protection</b>	<p>Gas explosion protection  II 2 G Ex d IIC T6 Gb</p> <p>Dust explosion protection  II 2 D Ex tb IIIC T80°C Db IP66</p>
<b>Certificates</b>	LCIE 15 ATEX____; IECEx
<b>Conformity to standards</b>	EN 60079-0: 2012, EN 60079-1: 2007, EN 60079-31: 2009 IEC 60079-0: 2011, IEC 60079-1: 2007, IEC 60079-31: 2008
<b>Material</b>	
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
<b>Lamp</b>	
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.
<b>Rated voltage</b>	220~240V AC 50/60Hz
<b>Earthing protection</b>	M5 (internal & external earth bolts)
<b>Degree of protection</b>	IP66, IP67(optional)
<b>Ambient temperature</b>	-40°C~+55°C
<b>Terminal</b>	3 x 1.5~4mm <sup>2</sup> (L+N+PE)
<b>Mounting</b>	Ceiling type, pole type, pendant pole type
<b>Cable entries</b>	2 x M25 x 1.5 (ceiling type), 1 x G3/4" (pole type, pendant pole type)
<b>Cable gland</b>	See Mounting Accessories and Spare Parts Table
<b>Available cable outer diameter</b>	Φ 10~Φ 14(mm)

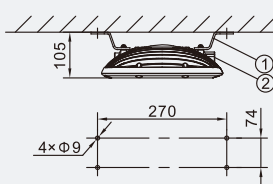


### Dimension drawings (all dimensions in mm) - subject to alteration



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

#### X: ceiling type

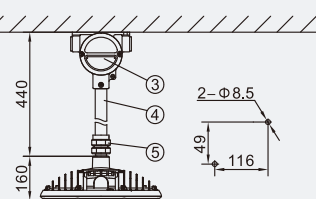


Weight: 2.50kg

**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

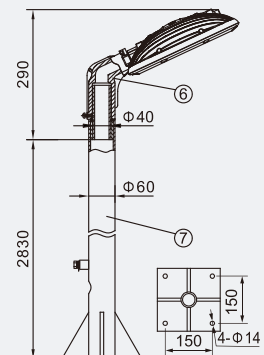


Weight: 3.70kg

**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.