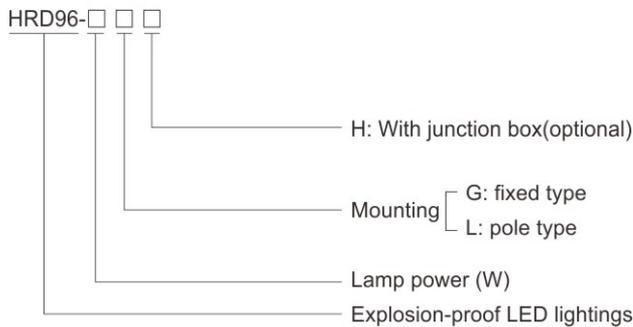## LED Light Fittings
HRD96 Series Explosion-proof LED Lightings

- ◆ 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
- ◆ Three enclosure type: 30, 60, 120
- ◆ Applicable lamp and power (max.120W)
  - LED : 30W, 60W, 120W
- ◆ Isolated LED lamp compartment and terminal compartment;
  - Wind-convection heat dissipation structure
- ◆ Low-maintenance due to long service life is up to 100,000
  - operating hours.

■ Catalogue number logic

HRD96-☐ ☐ ☐

- H: With junction box(optional)
- Mounting
  - G: fixed type
  - L: pole type
- Lamp power (W)
- Explosion-proof LED lightings

■ Selection table

Type / Ordering code	Lamp power(W)	Weight (kg)	Type / Ordering code	Lamp power(W)	Weight (kg)
HRD96-30G☐	30	2.50	HRD96-30L☐	30	2.00
HRD96-60G☐	60	3.70	HRD96-60L☐	60	3.20
HRD96-120G☐	120	5.50	HRD96-120L☐	120	5.00

Note: 1. Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/71).
2. The product is supplied according to "Type/Ordering code" in the table with mounting accessories.

Zones 1&2; 21&22

Technical data

Explosion-proof LED lightings   HRD96-☐-☐☐

|	
Explosion protection	
Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db IIC T6 Gb
	Ex tb IIIC T80℃ Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	⟨Ex⟩ II 2 G Ex db IIC T6 Gb
	⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db
Certificates	IECEx; ATEX
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)
Transparent cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel
Lamp	
Lamp specification	LED module, Multiple LED
Lamp power (W)	30W, 60W, 120W
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	220~240V AC 50/60Hz
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66
Ambient temperature	-40℃~+55℃
Terminal	3 x 1.5~4mm^2 (L+N+PE)
Mounting	fixed type, pole type
Cable entries	M25 x 1.5
Cable gland	See Mounting Accessories & Spare Parts Table
Available cable outer diameter	Φ10~Φ14(mm)

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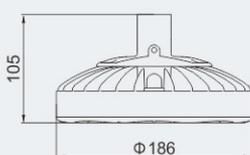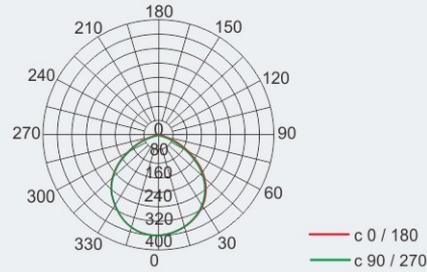

HRD96-30☐☐   HRD96-60☐☐   HRD96-120☐☐
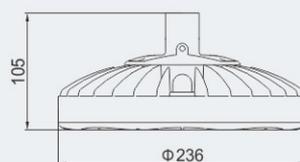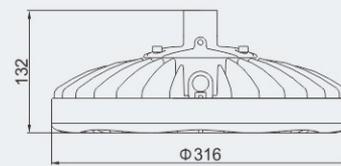
Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5700K (cool white).

HRD96-30☐☐

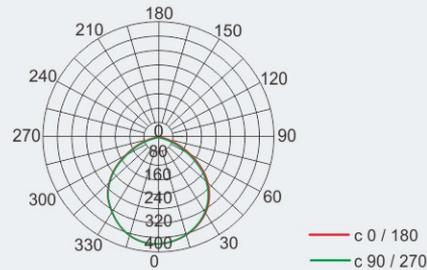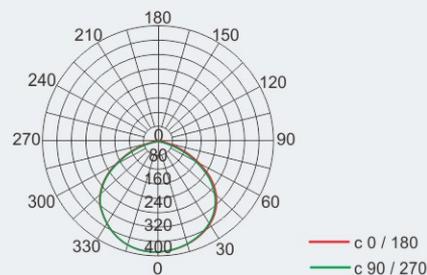| Lamp power (W)	Luminous flux	Wattage
30	3150lm	30W

c 0 / 180
c 90 / 270

HRD96-60☐☐

Lamp power (W)	Luminous flux	Wattage
60	6360lm	60W

c 0 / 180
c 90 / 270

HRD96-120☐☐

Lamp power (W)	Luminous flux	Wattage
120	12300lm	121W

c 0 / 180
c 90 / 270
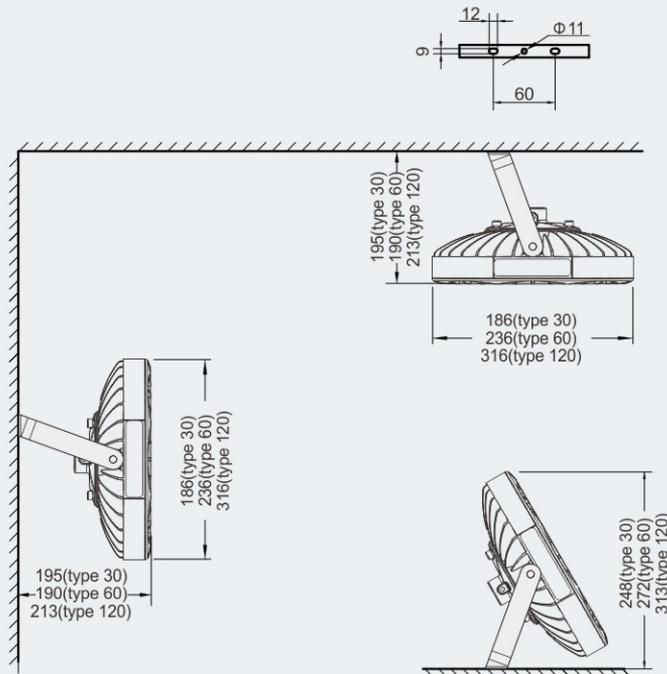
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

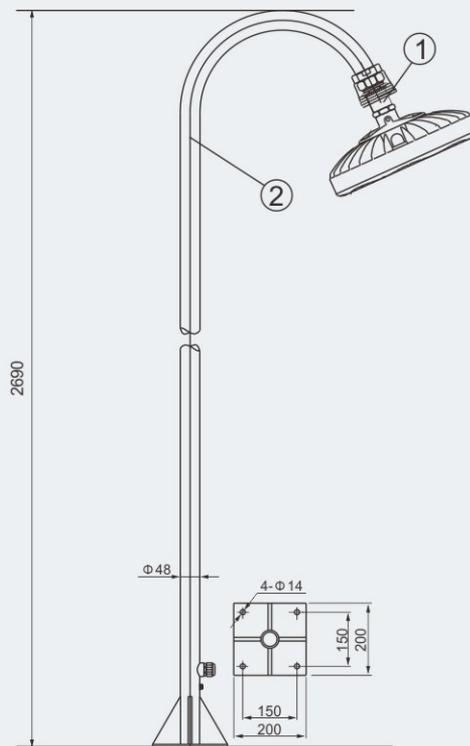## Mounting type (all dimensions in mm) - subject to alteration

G: fixed type

12
Φ11
9
60

195(type 30)
190(type 60)
213(type 120)

186(type 30)
236(type 60)
316(type 120)

186(type 30)
236(type 60)
316(type 120)

195(type 30)
190(type 60)
213(type 120)

248(type 30)
272(type 60)
313(type 120)

L: pole type

2690

Φ48

4-Φ14

150
200

150
200

Weight: 2.00kg (type 30)
　　　　3.20kg (type 60)
　　　　5.00kg (type 120)
Accessories supplied with the light fittings:
①.BGJ-III Explosion-proof connector M25×1.5(M)/
　 M25×1.5(F), Stainless steel.
②.Pole (shall be provided by user)

WAROM