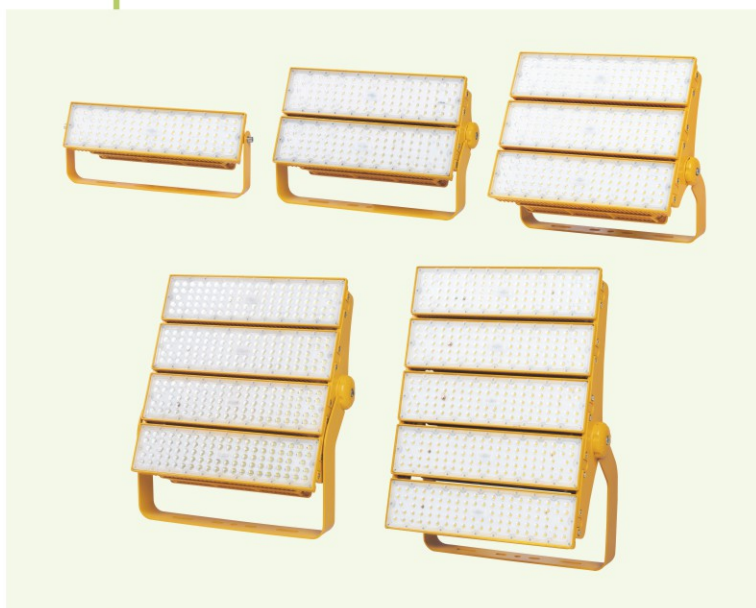


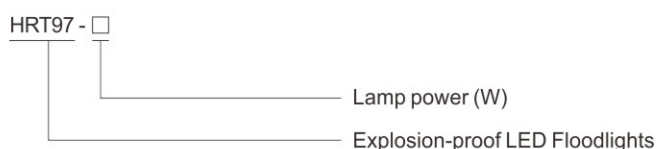
## LED Light Fittings

### HRT97 Series Explosion-proof LED Floodlights



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 2
  - Class I, Division 2, Groups A, B, C, D
- ◆ Applicable lamp and power (max.1000W)  
LED: 200W, 400W, 600W, 800W, 1000W
- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ Standard luminaries equip with 60° lens, 30° lens which is optional, please indicate when placing an order.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.  
Low-maintenance costs due to long service life, which is up to 100,000 operating hours.

#### Catalogue number logic



#### Selection table

Type/Ordering code	Lamp power (W)	Weight (kg)	Type/Ordering code	Lamp power (W)	Weight (kg)
HRT97-200	200	4.50	HRT97-800	800	19.00
HRT97-400	400	9.60	HRT97-1000	1000	23.40
HRT97-600	600	13.60			

**Note:** 1. Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.  
2. Standard luminaries do not equip with wire guard, if need, please specify.

# Zones 2; 21&22

## LED Light Fittings

### HRT97 Series Explosion-proof LED Floodlights

#### Technical data

#### Explosion-proof LED floodlights HRT97-□

##### Explosion protection

Global (IECEx)	IECEx (applied for)
Gas and dust	Ex ec mc IIC T4/T3 Gc Ex tb IIIC T130°C/T195°C Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ⓔ II 3 G Ex ec mc IIC T4/T3 Gc Ⓔ II 2 D Ex tb IIIC T130°C/T195°C Db

##### Certificates

IECEx; ATEX

##### Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-18, EN 60079-31  
IEC 60079-0, IEC 60079-7, IEC 60079-18, IEC 60079-31

##### Material

Enclosure	Copper-free Aluminium Alloy, powder coated surface,
Glass cover	Polycarbonate, stands 4J impact
LED driver	Wide voltage input, CC-CV (constant current - constant voltage) output, power factor $\geq 0.95$ , with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.
Exposed fastener	Stainless steel

##### Lamp

Lamp specification	LED module, Multiple LED
Lamp power (W)	200W, 400W, 600W, 800W, 1000W
Colour rendering index (Ra)	$\geq 80$
Colour temperature (CCT)	5000K

Note: nature white is available in general. Warm white is optional, please specify when ordering.

##### Rated voltage

100~277V AC 50/60Hz, 150~250V DC

##### Degree of protection

IP66

##### Ambient temperature

T4/T130°C for tamb: -60°C~+40°C  
T3/T195°C for tamb: -60°C~+60°C

##### Terminal

3 x 1.5~6mm<sup>2</sup> (L+N+PE)

##### Cable entries

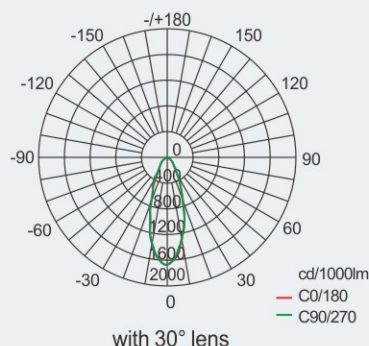
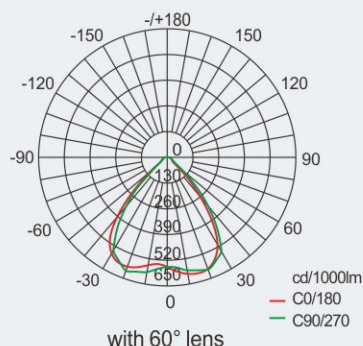
1x M20 x 1.5 cable gland (DQM-I Ex e)(M25 x 1.5 is optional)



#### Photometric data

Note: Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.

Lamp power (W)	Luminous flux	Wattage
200W	29000lm	193W



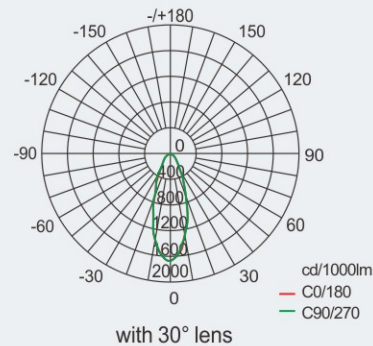
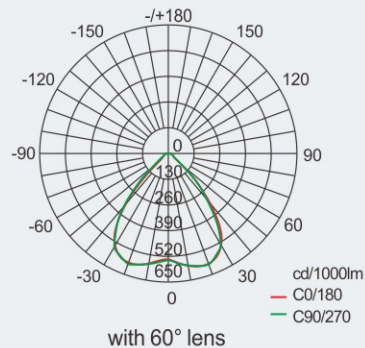
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

## LED Light Fittings

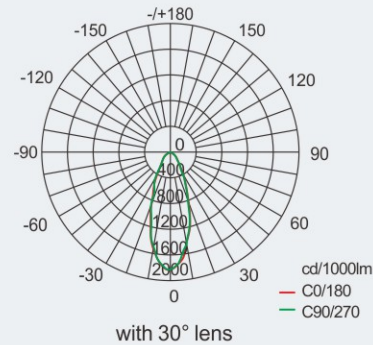
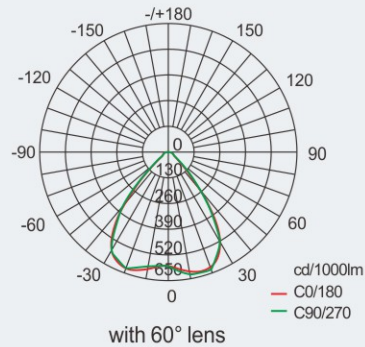
### HRT97 Series Explosion-proof LED Floodlights

**Photometric data** Note: Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.

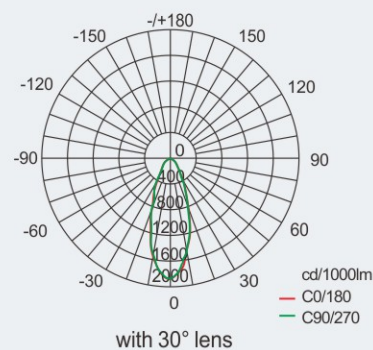
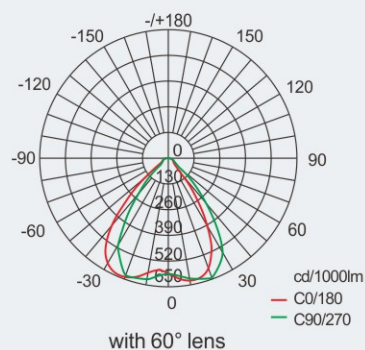
Lamp power (W)	Luminous flux	Wattage
400W	58000lm	383W



Lamp power (W)	Luminous flux	Wattage
600W	88000lm	590W



Lamp power (W)	Luminous flux	Wattage
800W	112000lm	779W



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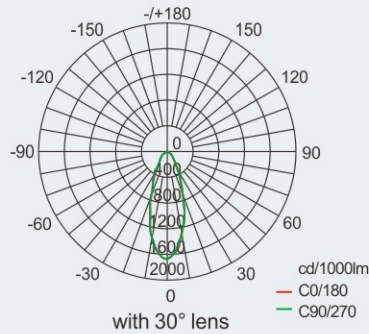
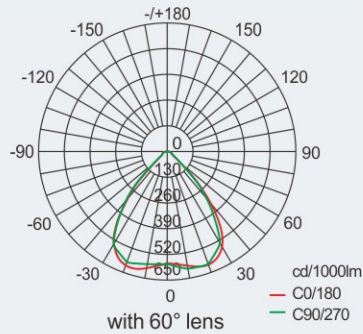


## LED Light Fittings

### HRT97 Series Explosion-proof LED Floodlights

**Photometric data** Note: Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.

Lamp power (W)	Luminous flux	Wattage
1000W	145000lm	979W



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

