

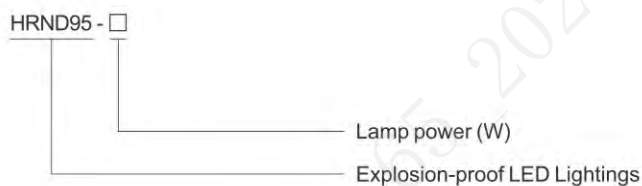
LED Light Fittings

HRND95 Series Explosion-proof LED Lightings



- ◆ 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.300W)
LED: 40W, 60W, 80W, 120W, 160W, 200W, 240W, 300W
- ◆ 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 products with 40° lens, without lens is optional, please specify when placing an order.
- ◆ Standard luminaries do not equip with external reflector, if need, please specify.
- ◆ Low-maintenance 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)
HRND95-40	40	3.50	HRND95-160	160	9.50
HRND95-60	60	4.00	HRND95-200	200	10.00
HRND95-80	80	6.00	HRND95-240	240	16.50
HRND95-120	120	6.50	HRND95-300	300	17.00

Note: 1. Standard products with 40° lens, without lens is optional, please specify when placing an order.
2. Standard luminaries do not equip with external lampshade if need, please specify.

Zones 2; 21&22

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Technical data

Explosion-proof LED Lightings HRND95-□□

Explosion protection

Global (IECEx)	IECEx NEP 24.0037X
Gas and dust	Ex ec mc IIC T□ ¹⁾ Gc Ex tb IIIC T□ ¹⁾ Db
Europe (ATEX)	ACE 25 ATEX 014X
Gas and dust	Ⓔ II 3 G Ex ec mc IIC T□ ¹⁾ Gc Ⓔ II 2 D Ex tb IIIC T□ ¹⁾ Db ¹⁾ See Selection Table

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	Toughened glass, stands 4J impact
LED driver	Wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥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)	40W, 60W, 80W, 120W, 160W, 200W, 240W, 300W
Colour rendering index (Ra)	≥80
Colour temperature (CCT)	5000K Note: nature white is available in general. Warm white is optional, please specify when ordering.

Rated voltage

110~277V AC 50/60Hz, 130~250V DC

Degree of protection

IP66

Ambient temperature

-40°C~+58°C(+40°C)

Terminal

3×1.5~4mm² (L+N+PE)

Cable entries

1×M20×1.5 cable gland (DQM-I Ex eb)



Selection table

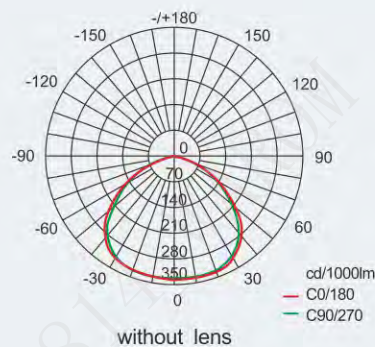
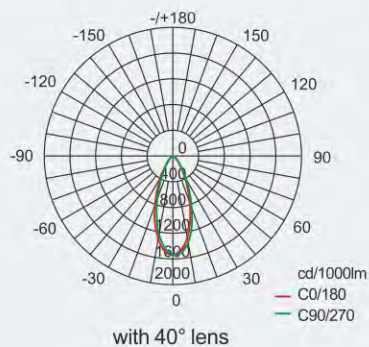
Rated power(W)	Temperature classification			
	-40°C≤Ta≤+40°C		-40°C≤Ta≤+58°C	
	Gas	Dust	Gas	Dust
40, 60, 80, 120, 160, 200, 240, 300	T5	T82°C	T4	T100°C

LED Light Fittings

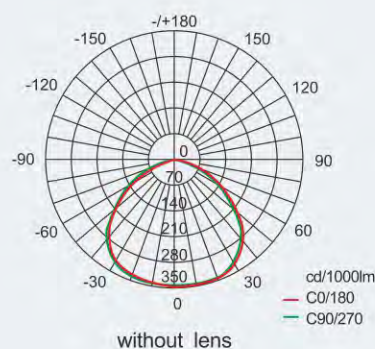
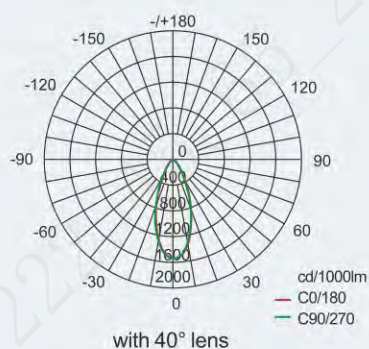
HRND95 Series Explosion-proof LED Lightings

Photometric data Note: Standard products with 40° lens, without lens is optional, please specify when placing an order.

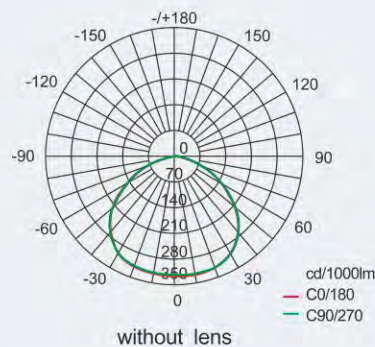
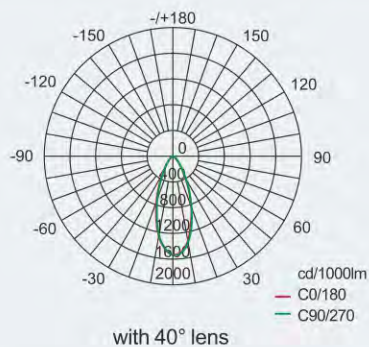
Lamp power (W)	Luminous flux	Wattage
40W	6040lm	40.1W
60W	8746lm	59.7W



Lamp power (W)	Luminous flux	Wattage
80W	12695lm	81.3W
120W	18710lm	122.5W



Lamp power (W)	Luminous flux	Wattage
160W	24912lm	159.9W
200W	30259lm	198.2W



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

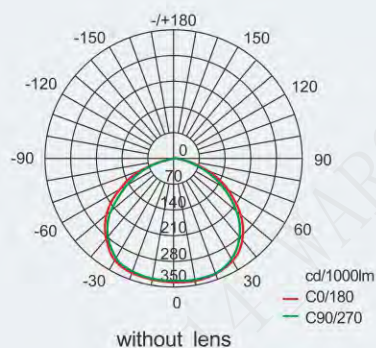
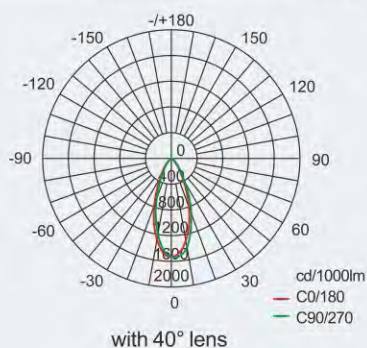


LED Light Fittings

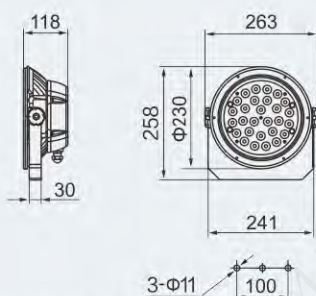
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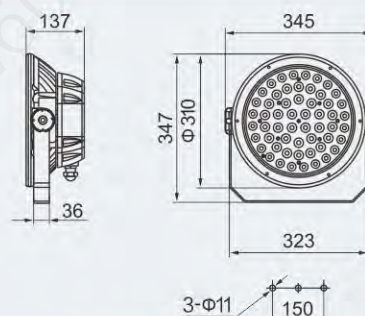
Lamp power (W)	Luminous flux	Wattage
240W	37396lm	241.3W
300W	46683lm	299.4W



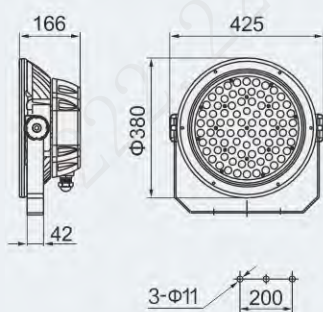
Dimension drawings (all dimensions in mm) - subject to alteration



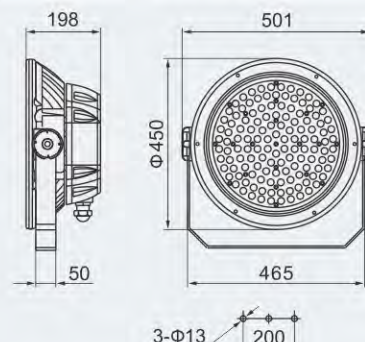
HRND95-40 / HRND95-60



HRND95-80 / HRND95-120



HRND95-160 / HRND95-200



HRND95-240 / HRND95-300



Accessories

Picture	Name	Ordering code	Weight (kg)
	40W/60W Reflector	95001	0.23
	80W/120W Reflector	95002	0.39
	160W/200W Reflector	95003	0.45
	240W/300W Reflector	95004	0.69