

LED Light Fittings

HRNT95 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.300W)
LED: 80W, 120W, 150W, 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 60° lens, 30° lens is optional, please specify when placing an order.
- ◆ 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)
HRNT95-80	80	5.40	HRNT95-200	200	8.00
HRNT95-120	120	5.80	HRNT95-240	240	8.20
HRNT95-150	150	7.50	HRNT95-300	300	13.40

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

Zones 2; 21&22

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Technical data

Explosion-proof LED floodlights HRNT95-□□

Explosion protection

Global (IECEx)	IECEx NEP 24.0038X
Gas and dust	Ex ec mc IIC T□ ¹⁾ Gc Ex tb IIIC T□ ¹⁾ Db
Europe (ATEX)	ACE 25 ATEX 015X
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)	80W, 120W, 150W, 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
415V AC 50/60Hz is optional (only for 200W, 300W)

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

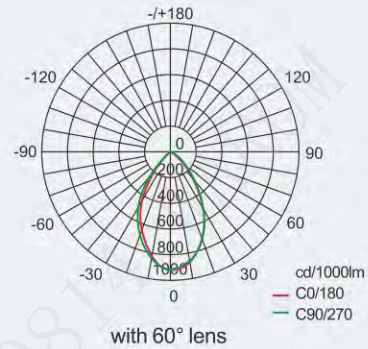
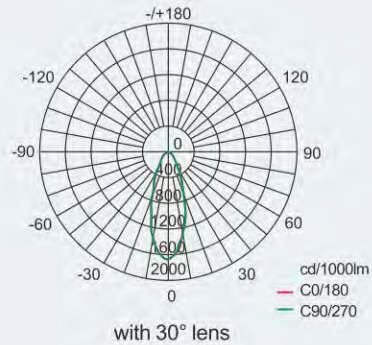
Rated power(W)	Temperature classification			
	-40°C≤Ta≤+40°C		-40°C≤Ta≤+58°C	
	Gas	Dust	Gas	Dust
80, 120, 150, 200, 240, 300	T5	T82°C	T4	T100°C
200 (415V AC, 50/60Hz)	T5	T88°C	T4	T106°C

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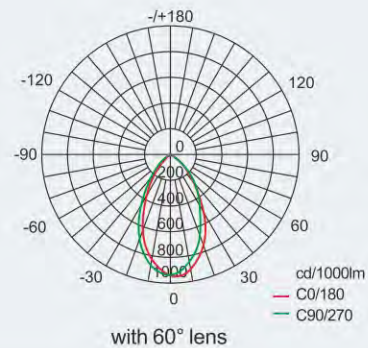
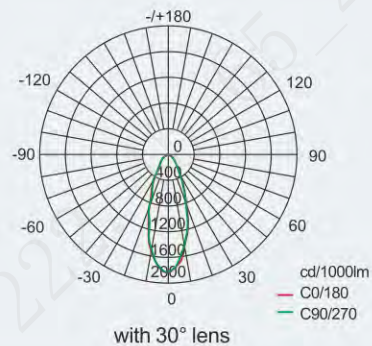
HRNT95 Series Explosion-proof LED Floodlights

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

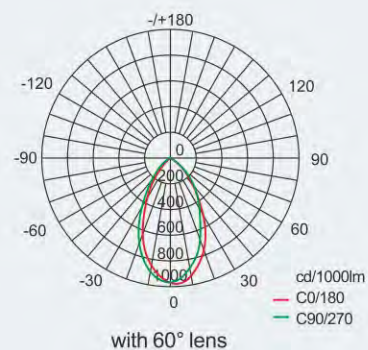
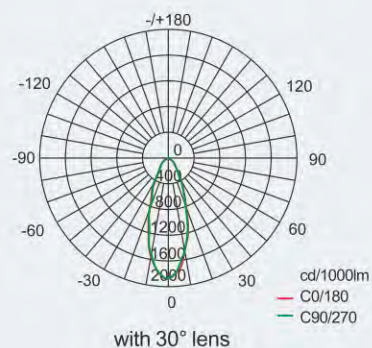
Lamp power (W)	Luminous flux	Wattage
80W	12995lm	81W
120W	18658lm	120.6W



Lamp power (W)	Luminous flux	Wattage
150W	24352lm	149W
200W	31625lm	199.7W
240W	36752lm	238.8W



Lamp power (W)	Luminous flux	Wattage
300W	49456lm	302.2W

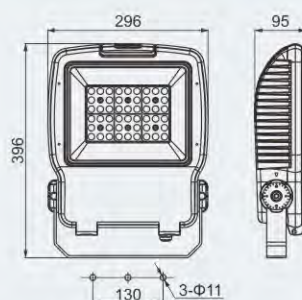


We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

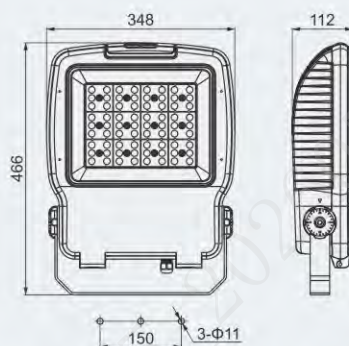
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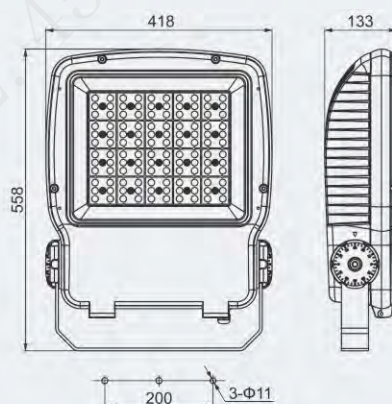
Dimension drawings (all dimensions in mm) - subject to alteration



HRNT95-80 / HRNT95-120



HRNT95-150 / HRNT95-200 / HRNT95-240



HRNT95-300



Accessories

Picture	Name	Ordering code	Weight (kg)
	80W/120W Wire guard	95008	0.30
	150W/200W/240W Wire guard	95009	0.40
	300W Wire guard	95010	0.55