

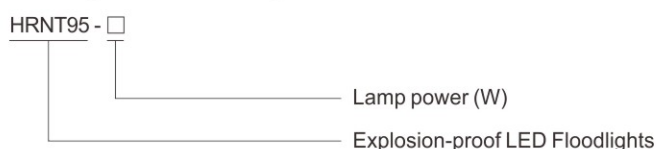
LED Light Fittings

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 luminaries equip with 60° lens, 30° lens which is optional, please indicate when placing an order.
- ◆ Low-maintenance costs due to long service life, which is up to 100,000 operating hours.

Catalogue number logic



Selection table for "ec" type

Type/Ordering code	Lamp power (W)	Weight (kg)	Type/Ordering code	Lamp power (W)	Weight (kg)
HRNT95-80 (ec)	80	5.40	HRNT95-200 (ec)	200	8.00
HRNT95-120 (ec)	120	5.80	HRNT95-240 (ec)	240	8.20
HRNT95-150 (ec)	150	7.50	HRNT95-300 (ec)	300	13.40

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.

Selection table for "nR" type

Type/Ordering code	Lamp power (W)	Weight (kg)	Type/Ordering code	Lamp power (W)	Weight (kg)
HRNT95-80 (nR)	80	5.40	HRNT95-240 (nR)	240	8.20
HRNT95-120 (nR)	120	5.80	HRNT95-300 (nR)	300	13.40

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

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Technical data		
Explosion-proof LED floodlights HRNT95-□□		
Explosion protection	"ec" type	"nR" type
Global (IECEx)	IECEx NEP 24.0038X	IECEx EUT 18.0003X
Gas and dust	Ex ec mc IIC T□ ¹⁾ Gc	Ex nR IIC T□ ²⁾ Gc
Europe (ATEX)	Ex tb IIIC T□ ¹⁾ Db	Ex tc IIIC T□ ²⁾ Dc
Gas and dust	ATEX (applied for)	EPTI 18 ATEX 0344X
	⊕ II 3 G Ex ec mc IIC T□ ¹⁾ Gc	⊕ II 3 G Ex nR IIC T□ ²⁾ Gc
	⊕ II 2 D Ex tb IIIC T□ ¹⁾ Db	⊕ II 3 D Ex tc IIIC T□ ²⁾ Dc
	¹⁾ See Selection Table 1	¹⁾ See Selection Table 2
Certificates	IECEx; ATEX	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	EN 60079-0, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-15, IEC 60079-31
Material	Copper-free Aluminium Alloy, powder coated surface, Toughened glass, stands 4J impact 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.	
Enclosure		
Glass cover		
LED driver		
Exposed fastener	Stainless steel	
Lamp	LED module, Multiple LED	
Lamp specification		
Lamp power (W)	80W, 120W, 150W, 200W, 240W, 300W	80W, 120W, 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)	100~277V AC 50/60Hz, 130~250V DC
Degree of protection	IP66	
Ambient temperature	-40℃~+58℃(+40℃)	-40℃~+55℃(+40℃)
Terminal	3 x 1.5~4mm ² (L+N+PE) 1x M20 x 1.5 cable gland (DQM-I Ex e)	
Cable entries		



Selection table 1

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

Selection table 2

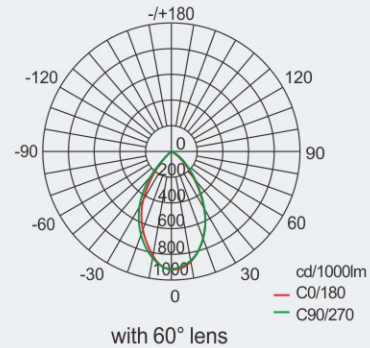
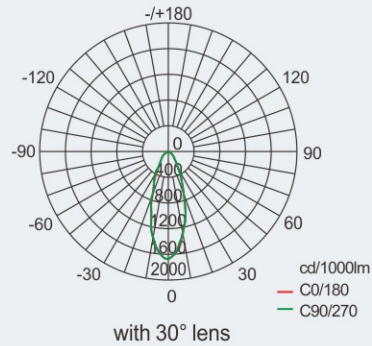
Rated power(W)	Temperature classification			
	-40℃ ≤ Ta ≤ +40℃		-40℃ ≤ Ta ≤ +55℃	
	Gas	Dust	Gas	Dust
80	T6	T80℃	T6	T80℃
120, 240, 300			T5	T95℃

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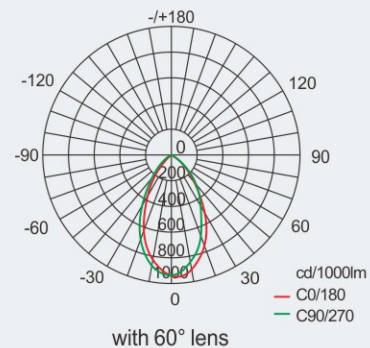
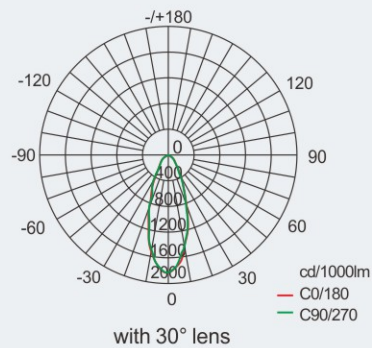
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Photometric data Note: Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.

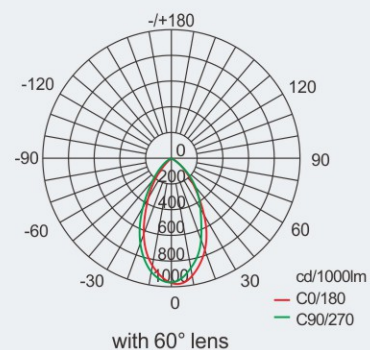
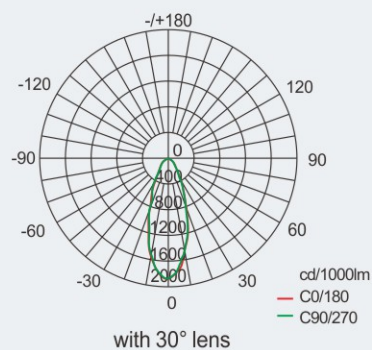
Lamp power (W)	Luminous flux	Wattage
80W	11400lm	80W
120W	17400lm	121W



Lamp power (W)	Luminous flux	Wattage
150W	21000lm	150W
200W	27000lm	200W
240W	33600lm	237W



Lamp power (W)	Luminous flux	Wattage
300W	43000lm	301W

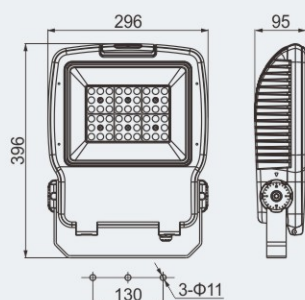


We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

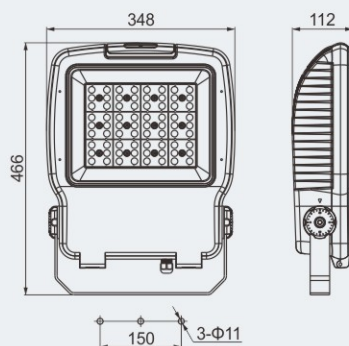
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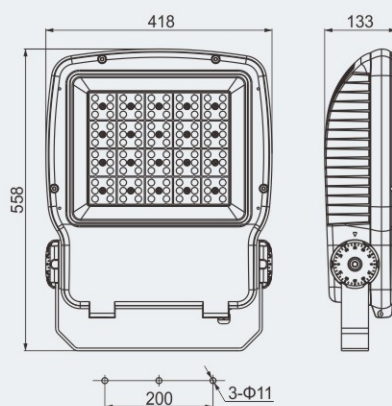
Dimension drawings (all dimensions in mm) - subject to alteration



HRNT95-80 / HRNT95-120



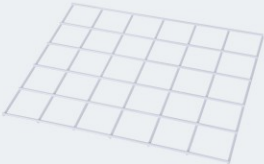
HRNT95-150 / HRNT95-200 / HRNT95-240



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