

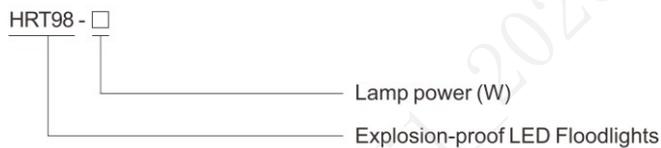
LED Light Fittings

HRT98 Series Explosion-proof LED Floodlights



- ◆ 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
- ◆ Applicable lamp and power (max.1080W)
LED: 90W, 120W, 240W, 480W, 720W, 1080W
- ◆ 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.
- ◆ Lenses are not included with standard light fittings. 30°/60° lenses are optional, 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)
HRT98-90	90	6.80	HRT98-480	480	28.50
HRT98-120	120	7.00	HRT98-720	720	44.00
HRT98-240	240	14.00	HRT98-1080	1080	67.00

Note: 1. Lenses are not included with standard light fittings. 30°/60° lenses are optional; specify when placing an order.
2. Wire guards are not included with standard light fittings; specify your need if required.

Zones 1&2; 21&22

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Technical data

Explosion-proof LED floodlights HRT98-□

Explosion protection

Global (IECEX)	IECEX (applied for)
Gas and dust	Ex db IIC T5/T4 Gb Ex tb IIIC T95°C/T130°C Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	⊕ II 2 G Ex db IIC T5/T4 Gb ⊕ II 2 D Ex tb IIIC T95°C/T130°C Db

Certificates

IECEX; ATEX

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-31
IEC 60079-0, IEC 60079-1, 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)	90W, 120W, 240W, 480W, 720W, 1080W
Colour rendering index (Ra)	≥80
Colour temperature (CCT)	5700K

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

T5/T95°C for tamb: -60°C~+40°C
T4/T130°C for tamb: -60°C~+60°C

Terminal

3×1.5~6mm² (L+N+PE)

Cable entries

2×M25×1.5 plugs

Cable gland

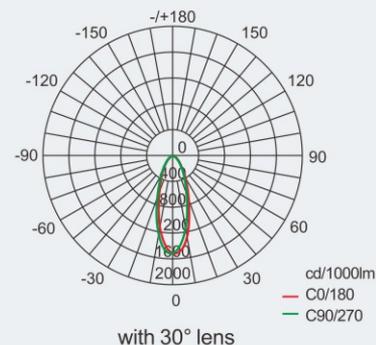
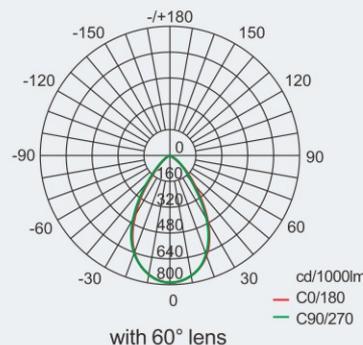
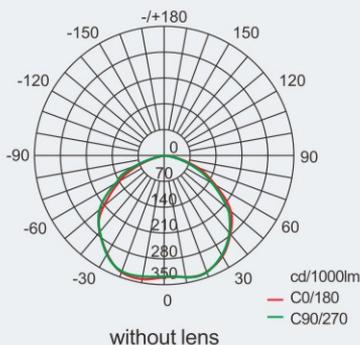
DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P6/24~39



Photometric data

Note: Lenses are not included with standard light fittings. 30°/60° lenses are optional, specify when placing an order.

Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage	Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage
90W	14500lm	13300lm	92W	120W	19500lm	18100lm	115W

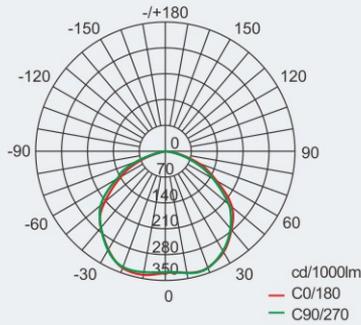


We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

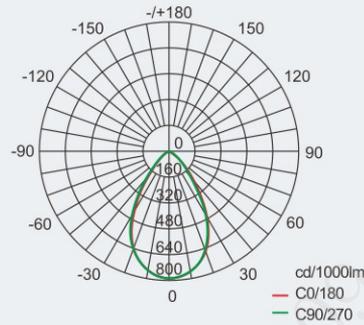
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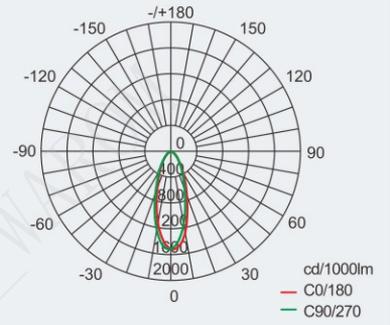
Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage
240W	39000lm	36200lm	230W



without lens

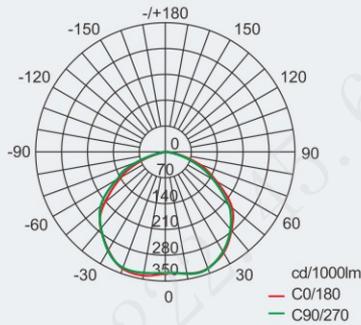


with 60° lens

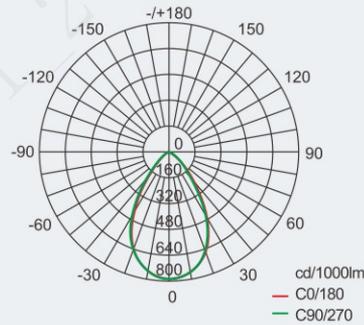


with 30° lens

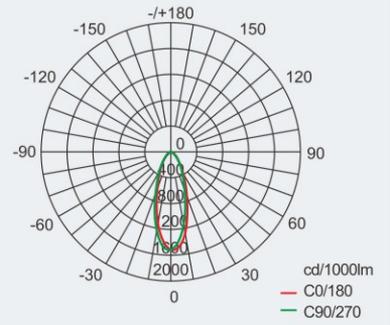
Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage
480W	78000lm	72400lm	460W



without lens

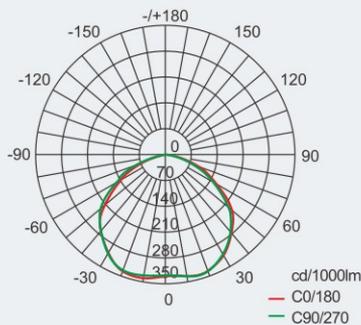


with 60° lens

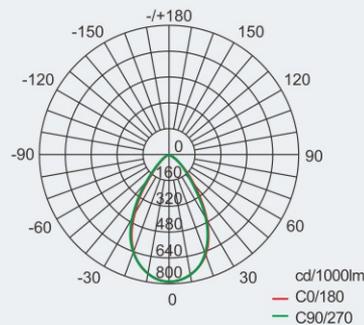


with 30° lens

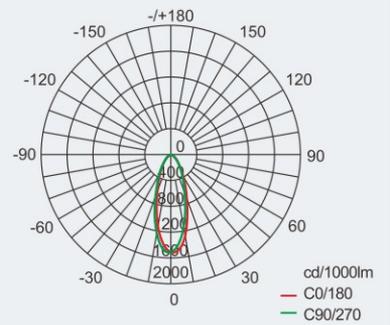
Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage
720W	117000lm	108600lm	690W



without lens



with 60° lens



with 30° lens

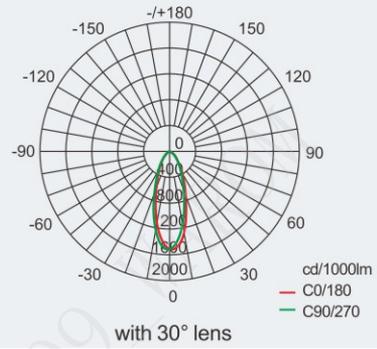
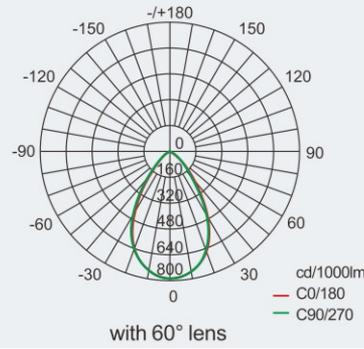
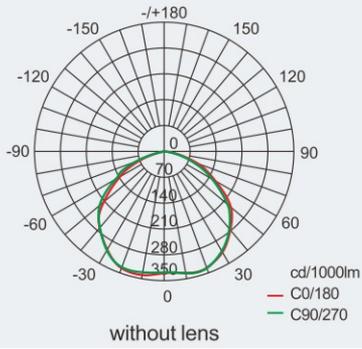
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Lamp power (W)	Luminous flux (Without lens)	Luminous flux (With lens)	Wattage
1080W	175500lm	162900lm	1035W



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

