◆ 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, 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.

Catalogue number logic

HRNT95 - □

Lamp power (W)

Explosion-proof LED Floodlights
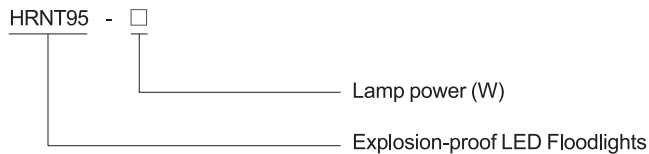
Selection table

Type/Ordering code	Lamp power (W)	Weight (kg)	Type/Ordering code	Lamp power (W)	Weight (kg)
HRNT95-80	80	10.00	HRNT95-240	240	12.50
HRNT95-120	120	11.00	HRNT95-300	300	13.00

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

Technical data

Explosion-proof LED floodlights HRNT95-☐

Explosion protection	
Gas explosion protection	Ⓔⓧ II 3 G Ex nR IIC T☐[1)]Gc
Dust explosion protection	Ⓔⓧ II 2 D Ex tb IIIC T☐[1)]Db IP66
	[1)] See Selection Table
Certificates	ECM 16 ATEX 178; IECEx (applied for)
Conformity to standards	EN 60079-0, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-15, IEC 60079-31
Material	
Enclosure	Copper-free aluminium, 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, 240W, 300W
Colour Temperature (CCT)	Nature white: 5000±300K Note: nature white is available in general. Warm white (3000±200K) is optional, please specify when ordering.
Rated voltage	100 ~ 277V AC 50/60Hz
Degree of protection	IP66
Ambient temperature	-40°C~+55°C
Terminal	3 x 1.5 ~ 2.5mm^2 (L+N+PE)
Cable	1x M20 x 1.5 cable gland (DQM-I Ex e)

Selection table

Temperature classes		Lamp power (W)
Gas	Dust	
T6	T80℃	80W, 120W
T5	T95℃	240W
T4	T130℃	300W

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

HRNT95- □
Rated luminous flux
80W LED: 8600lm
120W LED: 11600lm

-/+180
-120   120
-90   90
-60   60
400
800
1200
1600
2000
-30   30
0
cd/1000lm
— C0/180
— C90/270
with 30° lens

-/+180
-120   120
-90   90
-60   60
400
600
800
1000
1200
-30   30
0
cd/1000lm
— C0/180
— C90/270
with 60° lens
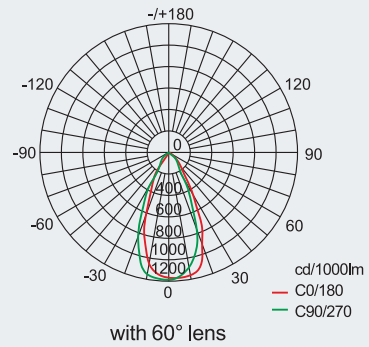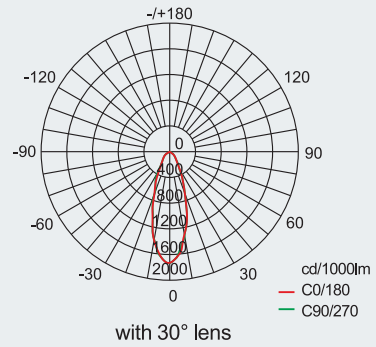
HRNT95- □
Rated luminous flux
240W LED: 24300lm
300W LED: 34900lm

-/+180
-120   120
-90   90
-60   60
400
800
1200
1600
2000
-30   30
0
cd/1000lm
— C0/180
— C90/270
with 30° lens

-/+180
-120   120
-90   90
-60   60
400
600
800
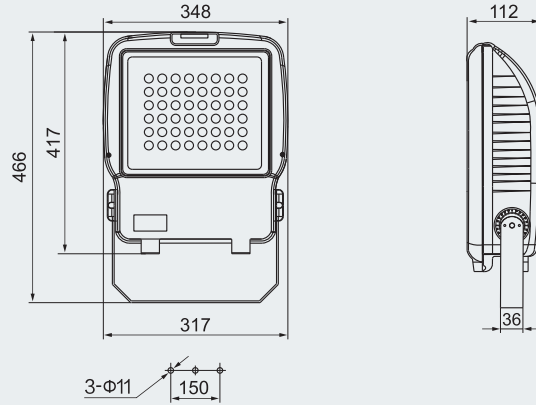1000
1200
-30   30
0
cd/1000lm
— C0/180
— C90/270
with 60° lens
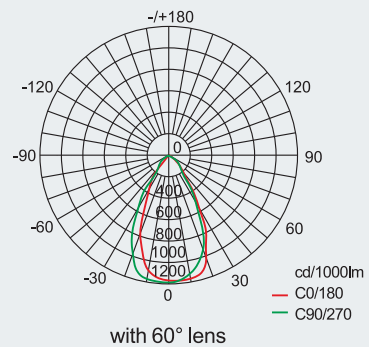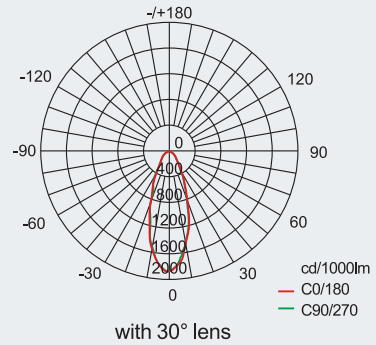
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

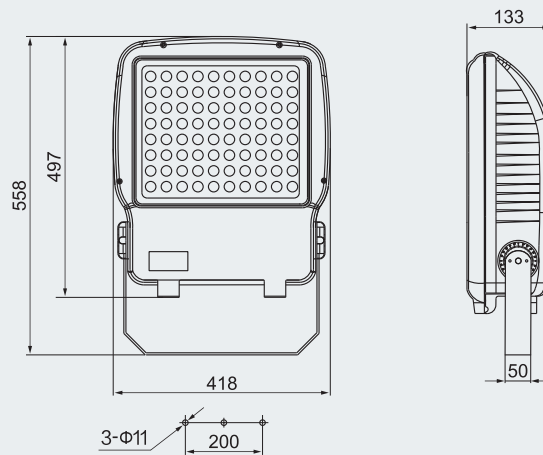## Dimension drawings (all dimensions in mm) - subject to alteration

348
466
417
317
3-Φ11
150
112
36

HRNT95-80 / HRNT95-120

558
497
418
3-Φ11
200
133
50

HRNT95-240 / HRNT95-300

Accessories

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