◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
◆ Can be used in
  Zone 2
  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 luminaries equip without lens, 30° lens and 60° lens which
  are optional, please indicate when placing an order.
◆ Standard luminaries do not equip with external lampshade, if need,
  please specify.
◆ Low-maintenance due to long service life of up to 100,000
  operating hours.

■ **Catalogue number logic**

HRND95 - ☐

                                    Lamp power (W)

                                    Explosion-proof LED Lightings
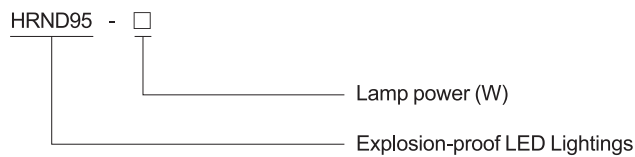
■ **Selection table**

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 without lens, 30° lens and 60° lens which are optional, please indicate when placing an order.
      2. Standard luminaries do not equip with external lampshade if need, please specify.

Zones 2; 22

Technical data

Explosion-proof LED Lightings HRND95-□

Explosion protection

  Gas explosion protection   Ⓔ II 3 G Ex nR IIC T□[1)]Gc

  Dust explosion protection   Ⓔ II 3 D Ex tc IIIC T□[1)]Dc IP66

         [1)] See Selection Table

Certificates   ATEX (applied for); IECEx EUT 18.0002X

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)   40W, 60W, 80W, 120W, 160W, 200W, 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, 130~250V DC

Degree of protection   IP66

Ambient temperature   -40℃~+55℃

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

Rated power(W)	Temperature classification			
	-40℃≤Ta≤+40℃		-40℃≤Ta≤+55℃	
	Gas	Dust	Gas	Dust
40, 80	–	–	T6	T80℃
60, 120, 160, 200, 240, 300	T6	T80℃	T5	T95℃

Photometric data

Note: Standard products without lens, 30° lens and 60° lens which are optional, please indicate when placing an order.
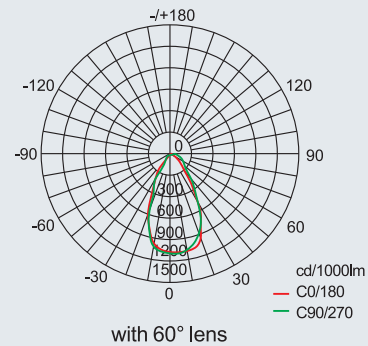
HRND95-□
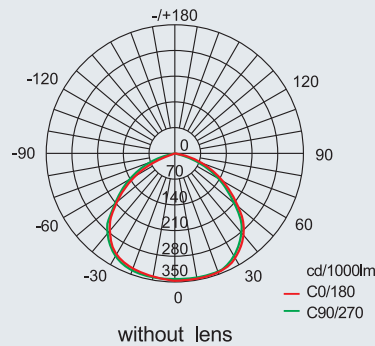Rated luminous flux
40W LED: 5345lm
60W LED: 7430lm
Luminous efficacy
40W LED: 133lm/W
60W LED: 124lm/W
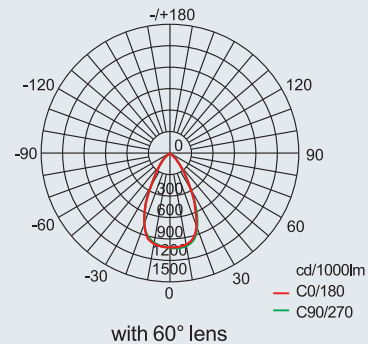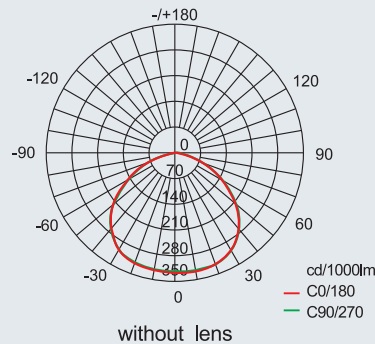

without lens

with 60° lens
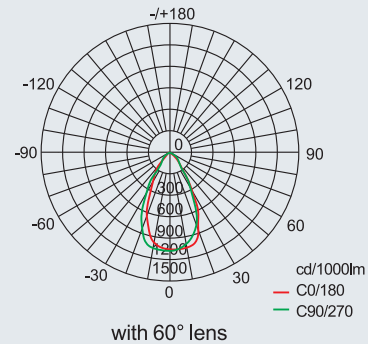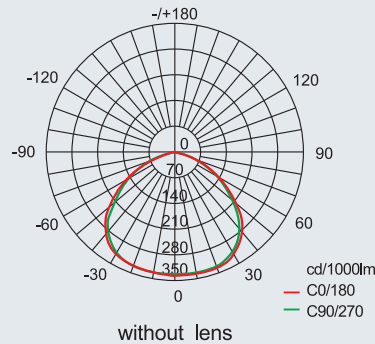
HRND95-□
Rated luminous flux
80W LED: 10820lm
120W LED: 15310lm
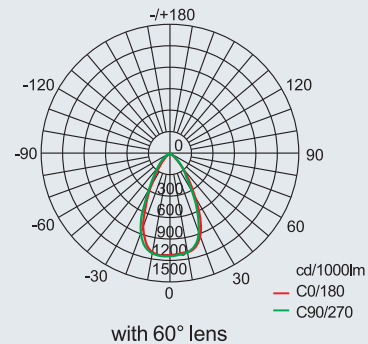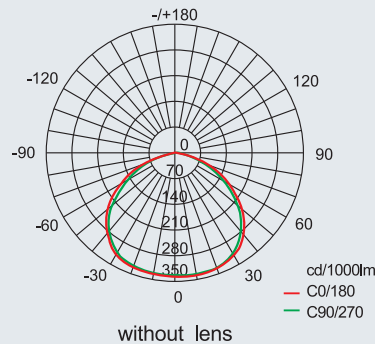Luminous efficacy
80W LED: 135lm/W
120W LED: 128lm/W

without lens

with 60° lens

HRND95-□
Rated luminous flux
160W LED: 21590lm
200W LED: 25895lm
Luminous efficacy
160W LED: 135lm/W
200W LED: 129lm/W

without lens

with 60° lens

HRND95-□
Rated luminous flux
240W LED: 32540lm
300W LED: 39750lm
Luminous efficacy
240W LED: 135lm/W
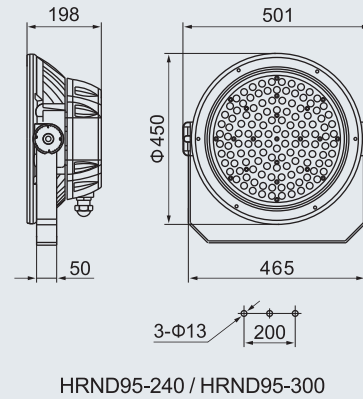300W LED: 132lm/W

without lens

with 60° lens
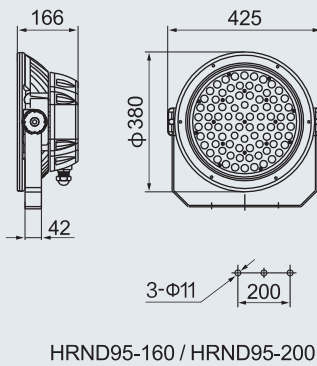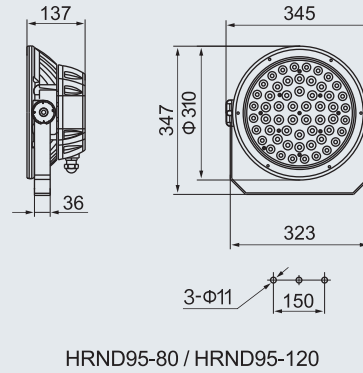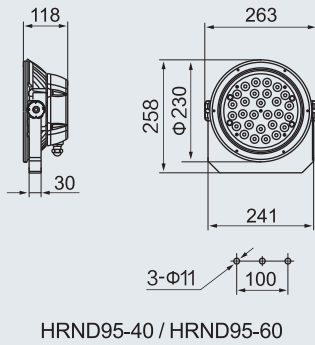
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

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

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