

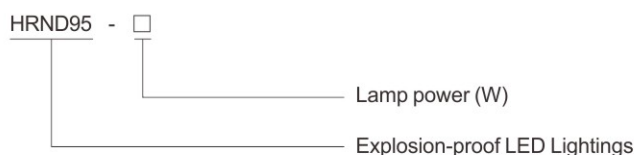
## LED Light Fittings

### HRND95 Series Explosion-proof LED Lightings



- ◆ 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 with 60° lens, without lens and 30° 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 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)
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 with 60° lens, without lens and 30° 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

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Technical data	
Explosion-proof LED Lightings HRND95-□	
<b>Explosion protection</b>	
Global (IECEX)	IECEX EUT 18.0002X
Gas and dust	Ex nR IIC T□ <sup>1)</sup> Gc Ex tc IIIC T□ <sup>1)</sup> Dc IP66
Europe (ATEX)	EPTI 18 ATEX 0346 X
Gas and dust	⊕ II 3 G Ex nR IIC T□ <sup>1)</sup> Gc ⊕ II 3 D Ex tc IIIC T□ <sup>1)</sup> Dc IP66 <sup>1)</sup> See Selection Table
<b>Certificates</b>	IECEX; ATEX; CU-TR
<b>Conformity to standards</b>	EN 60079-0, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-15, IEC 60079-31
<b>Material</b>	
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
<b>Lamp</b>	
Lamp specification	LED module, Multiple LED
Lamp power (W)	40W, 60W, 80W, 120W, 160W, 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.
<b>Rated voltage</b>	100~277V AC 50/60Hz, 130~250V DC
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-40℃ ~ +55℃
<b>Terminal</b>	3 x 1.5~4mm <sup>2</sup> (L+N+PE)
<b>Cable entries</b>	1x M20 x 1.5 cable gland (DQM-I Ex e)



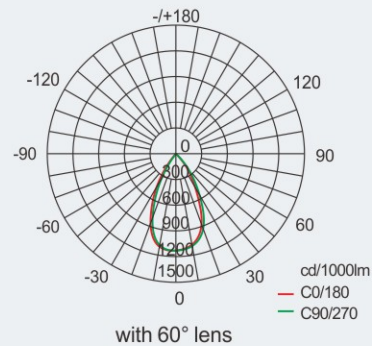
Selection table				
Rated power(W)	Temperature classification			
	-40℃ ≤ Ta ≤ +40℃		-40℃ ≤ Ta ≤ +55℃	
	Gas	Dust	Gas	Dust
40, 80	T6	T80℃	T6	T80℃
60, 120, 160, 200, 240, 300			T5	T95℃

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### HRND95 Series Explosion-proof LED Lightings

**Photometric data** Note: Standard products without lens, 30° lens and 60° lens which are optional, please indicate when placing an order.

Lamp power (W)	Luminous flux	Wattage
40W	4800lm	40W
60W	7200lm	60W

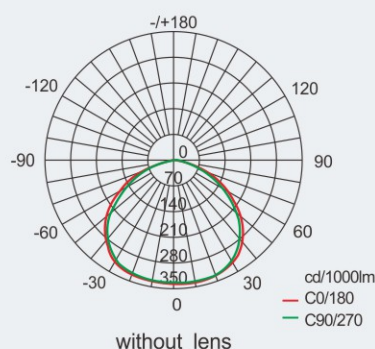
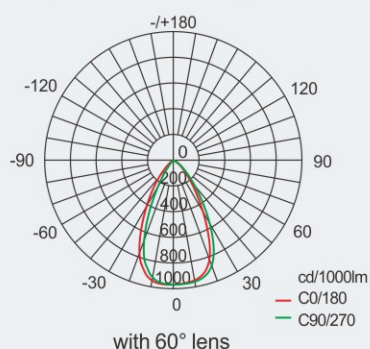


## LED Light Fittings

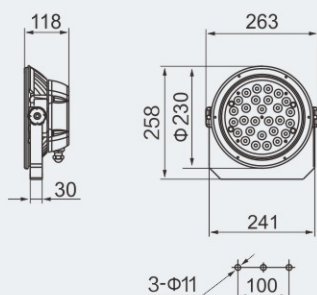
### HRND95 Series Explosion-proof LED Lightings

**Photometric data** Note: Standard products without lens, 30° lens and 60° lens which are optional, please indicate when placing an order.

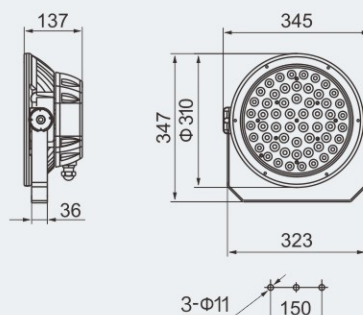
Lamp power (W)	Luminous flux	Wattage
240W	28300lm	240W
300W	37200lm	300W



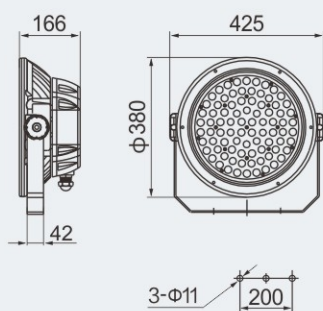
**Dimension drawings** (all dimensions in mm) - subject to alteration



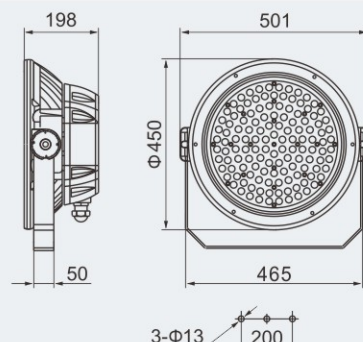
HRND95-40 / HRND95-60



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