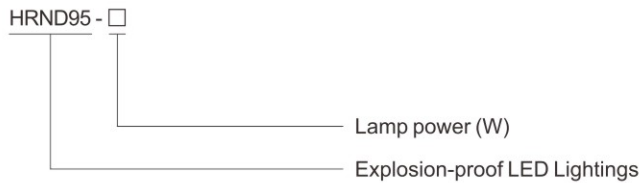


LED Light Fittings HRND95 Series Explosion-proof LED Lightings



- ◆ Explosion protection to
 - GENELEC
 - 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: 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 products with 40° lens, without lens is optional, please specify when placing an order.
- ◆ Standard luminaries do not equip with external reflector, if need, please specify.
- ◆ 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) |
|--------------------|----------------|-------------|--------------------|----------------|-------------|
| 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 40° lens, without lens is optional, please specify when placing an order.
2. Standard luminaries do not equip with external lampshade if need, please specify.

Zones 2; 21&22

LED Light Fittings

HRND95 Series Explosion-proof LED Lightings



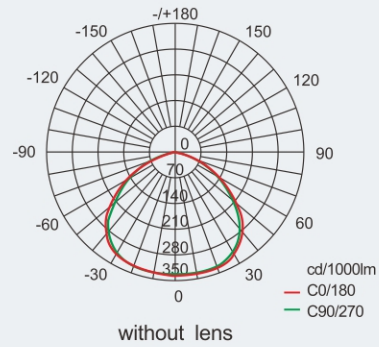
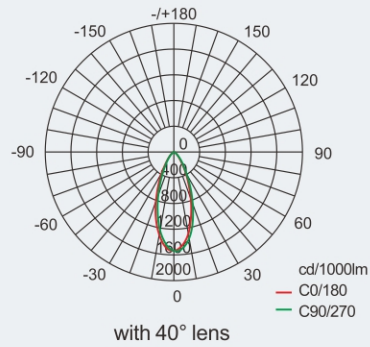
| Technical data | |
|---|---|
| Explosion-proof LED Lightings HRND95-□□ | |
| Explosion protection | |
| Global (IECEX) | IECEX NEP 24.0037X |
| Gas and dust | Ex ec mc IIC T□ ¹⁾ Gc Ex tb IIIC T□ ¹⁾ Db |
| Europe (ATEX) | ACE 25 ATEX 014X |
| Gas and dust | ⊕ II 3 G Ex ec mc IIC T□ ¹⁾ Gc ⊕ II 2 D Ex tb IIIC T□ ¹⁾ Db ¹⁾ See Selection Table |
| Certificates | 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 |
| 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) | 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. |
| Rated voltage | 110~277V AC 50/60Hz, 130~250V DC |
| Degree of protection | IP66 |
| Ambient temperature | -40°C~+58°C(+40°C) |
| Terminal | 3×1.5~4mm ² (L+N+PE) |
| Cable entries | 1×M20×1.5 cable gland (DQM-I Ex eb) |

| Rated power(W) | Temperature classification | | | |
|-------------------------------------|----------------------------|-------|----------------|--------|
| | -40°C≤Ta≤+40°C | | -40°C≤Ta≤+58°C | |
| | Gas | Dust | Gas | Dust |
| 40, 60, 80, 120, 160, 200, 240, 300 | T5 | T82°C | T4 | T100°C |

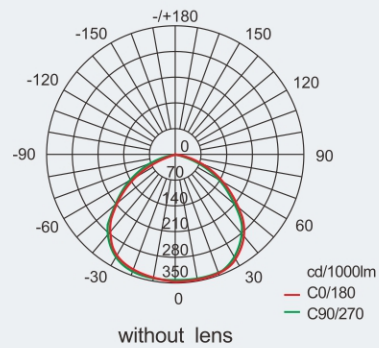
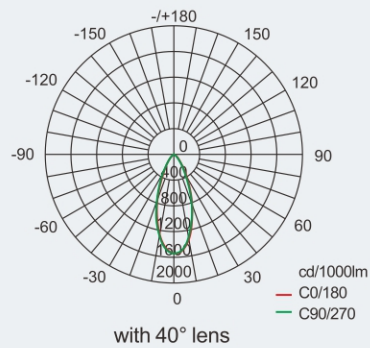
LED Light Fittings HRND95 Series Explosion-proof LED Lightings

Photometric data Note: Standard products with 40° lens, without lens is optional, please specify when placing an order.

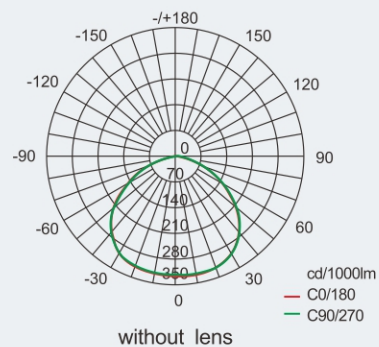
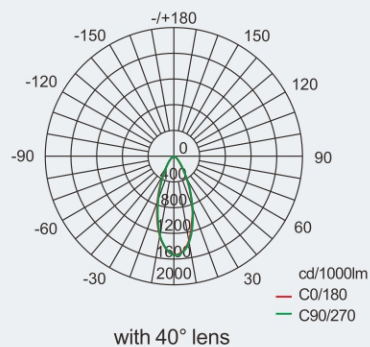
| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 40W | 6040lm | 40.1W |
| 60W | 8746lm | 59.7W |



| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 80W | 12695lm | 81.3W |
| 120W | 18710lm | 122.5W |



| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 160W | 24912lm | 159.9W |
| 200W | 30259lm | 198.2W |



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

