

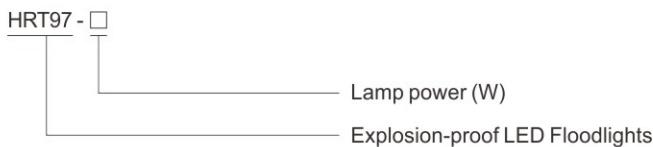
## LED Light Fittings

### HRT97 Series Explosion-proof LED Floodlights



- ◆ 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.1000W)
  - LED: 200W, 400W, 600W, 800W, 1000W
- ◆ 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.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.
  - Low-maintenance costs 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) |
|--------------------|----------------|-------------|--------------------|----------------|-------------|
| HRT97-200          | 200            | 4.50        | HRT97-800          | 800            | 19.00       |
| HRT97-400          | 400            | 9.60        | HRT97-1000         | 1000           | 23.40       |
| HRT97-600          | 600            | 13.60       |                    |                |             |

**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**

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### Technical data

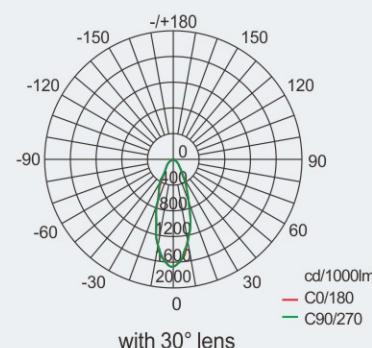
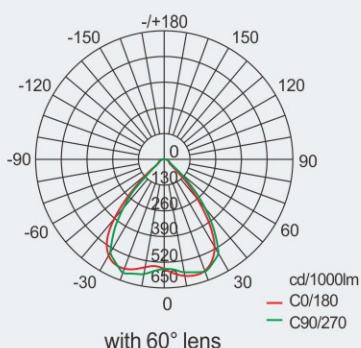
#### Explosion-proof LED floodlights HRT97-□

|                                |   |
|--------------------------------|---|
| <b>Explosion protection</b>    |   |
| Global (IECEx)                 | IECEx (applied for)   |
| Gas and dust                   | Ex ec mc IIC T4/T3 Gc<br>Ex tb IIIC T130°C/T195°C Db  |
| Europe (ATEX)                  | ATEX (applied for)  |
| Gas and dust                   | Ex II 3 G Ex ec mc IIC T4/T3 Gc<br>Ex II 2 D Ex tb IIIC T130°C/T195°C Db  |
| <b>Certificates</b>            | IECEx; ATEX   |
| <b>Conformity to standards</b> | EN 60079-0, EN 60079-7, EN 60079-18, EN 60079-31<br>IEC 60079-0, IEC 60079-7, IEC 60079-18, IEC 60079-31  |
| <b>Material</b>                |   |
| Enclosure                      | Copper-free Aluminium Alloy, powder coated surface,   |
| Glass cover                    | Polycarbonate, 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)                 | 200W, 400W, 600W, 800W, 1000W   |
| 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, 150~250V DC  |
| <b>Degree of protection</b>    | IP66  |
| <b>Ambient temperature</b>     | T4/T130°C for tamb: -60°C~+40°C<br>T3/T195°C for tamb: -60°C~+60°C  |
| <b>Terminal</b>                | 3 x 1.5~6mm <sup>2</sup> (L+N+PE)   |
| <b>Cable entries</b>           | 1x M20 x 1.5 cable gland (DQM-I Ex e)(M25 x 1.5 is optional)  |

### Photometric data

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

| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 200W           | 29000lm       | 193W    |



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

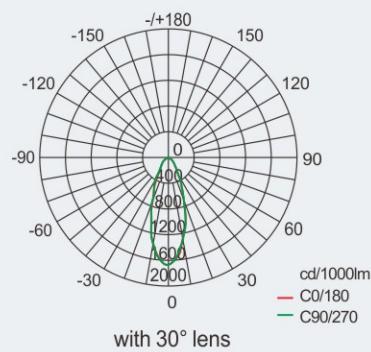
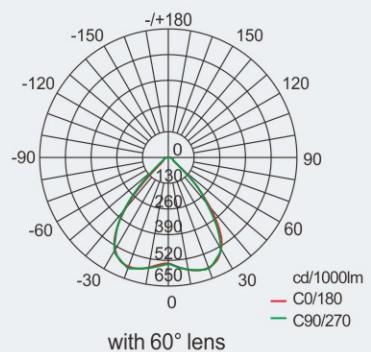


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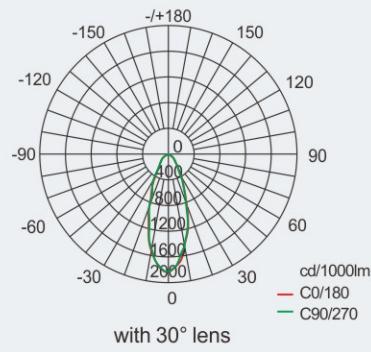
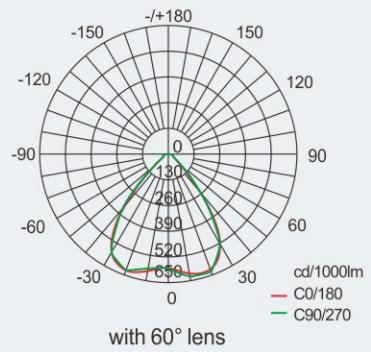
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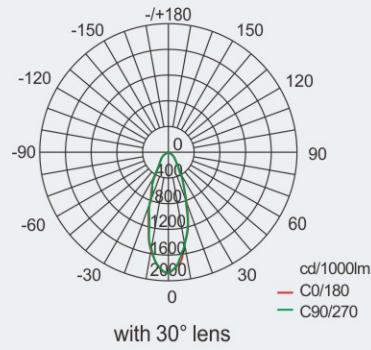
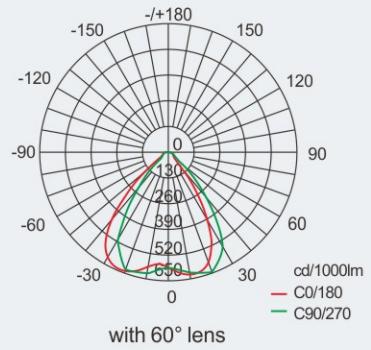
| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 400W           | 58000lm       | 383W    |



| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 600W           | 88000lm       | 590W    |



| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 800W           | 112000lm      | 779W    |



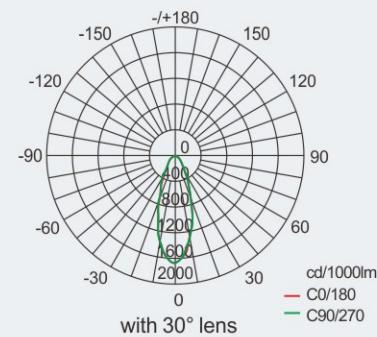
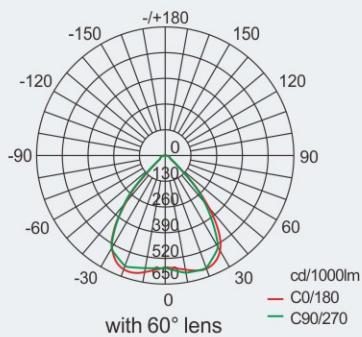
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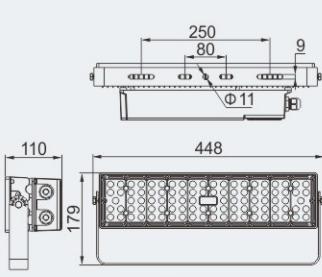
**Photometric data** Note: Standard products with 60° lens, 30° lens which is optional, please indicate when placing an order.

| Lamp power (W) | Luminous flux | Wattage |
|----------------|---------------|---------|
| 1000W          | 145000lm      | 979W    |

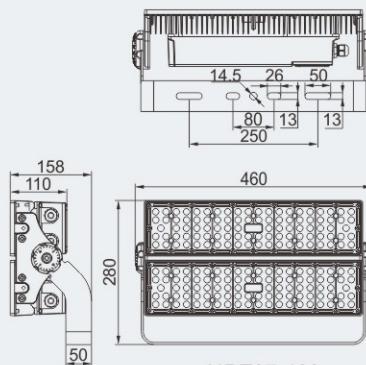


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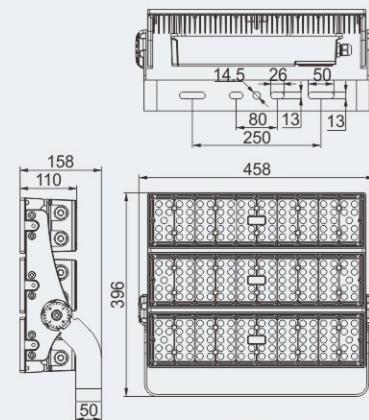
**Dimension drawings** (all dimensions in mm) - subject to alteration



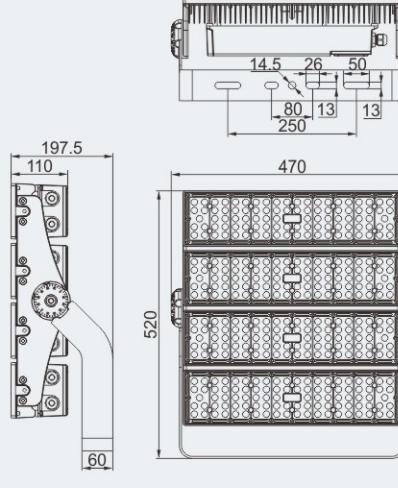
HRT97-200



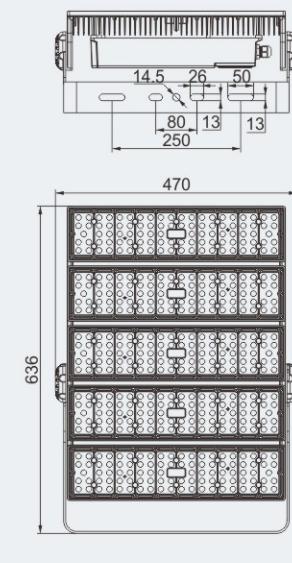
HRT97-400



HRT97-600



HRT97-800



HRT97-1000