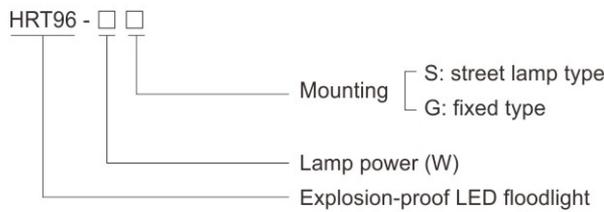


LED Light Fittings HRT96 Series Explosion-proof LED Floodlights



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Applicable lamp and power (max.240W)
LED: 80W, 160W, 240W
- ◆ Isolated LED lamp compartment and terminal compartment;
Wind-convection heat dissipation structure.

Catalogue number logic



Selection table

Type / Ordering code	Lamp power(W)	Weight (kg)	Type / Ordering code	Lamp power(W)	Weight (kg)
HRT96-80G	80	3.60	HRT96-80S	80	3.60
HRT96-160G	160	4.50	HRT96-160S	160	4.50
HRT96-240G	240	8.00	HRT96-240S	240	8.00

Note: The product is supplied according to "Type/Ordering code" in the table with mounting accessories.

Zones 1&2; 21&22

LED Light Fittings HRT96 Series Explosion-proof LED Floodlights

Technical data

Explosion-proof LED floodlights HRT96-□□

Explosion protection

Global (IECEX)	IECEX (applied for)
Gas and dust	Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	⊕ II 2 G Ex db IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80°C Db

Certificates

IECEX; ATEX

Conformity to standards

EN 60079-0, EN 60079-1, EN60079-28, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC60079-28, IEC 60079-31

Material

Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Glass cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel

Lamp

Lamp specification	LED module, Multiple LED
Lamp power (W)	80W, 160W, 240W
Colour rendering index (Ra)	≥ 70
Colour temperature (CCT)	5700K

Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.

Rated voltage

220~240V AC 50/60Hz

Earthing protection

M5 (internal & external earth bolts)

Degree of protection

IP66

Ambient temperature

-40°C~+55°C

Terminal

3 x 1.5~4mm² (L+N+PE)

Mounting

Fixed type, street lamp type

Cable entries

M25 x 1.5 plugs

Cable gland

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29



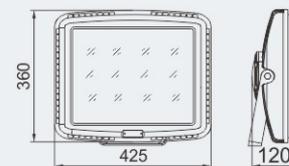
Dimension drawings (all dimensions in mm) - subject to alteration



HRT96-80□



HRT96-160□



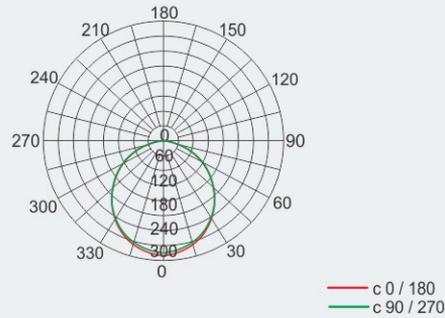
HRT96-240□

LED Light Fittings HRT96 Series Explosion-proof LED Floodlights

Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5700K (cool white).

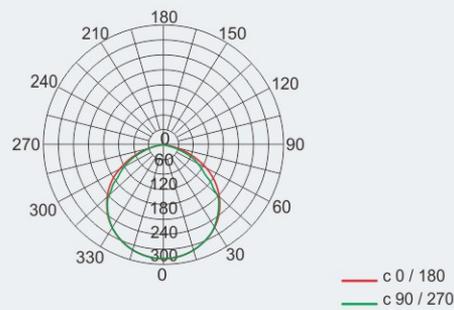
HRT96-80□

Lamp power (W)	Luminous flux	Wattage
80	8400lm	80W



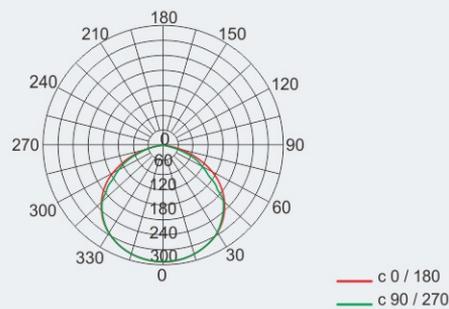
HRT96-160□

Lamp power (W)	Luminous flux	Wattage
160	16500lm	160W



HRT96-240□

Lamp power (W)	Luminous flux	Wattage
240	25200lm	240W

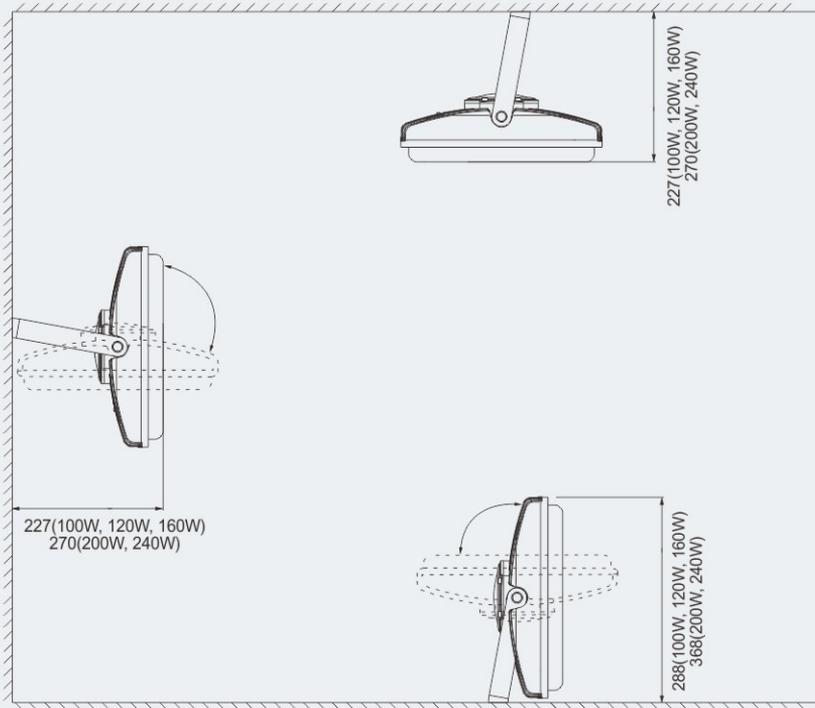


We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

LED Light Fittings HRT96 Series Explosion-proof LED Floodlights

Mounting type (all dimensions in mm) - subject to alteration

G: fixed type



S: street lamp type

