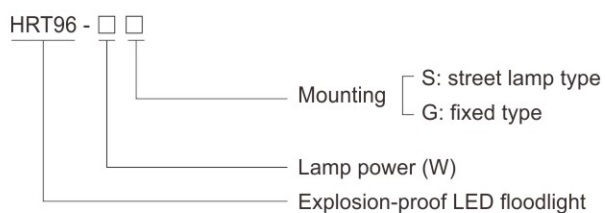**LED Light Fittings**
HRT96 Series Explosion-proof LED Floodlights

- ◆ 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

HRT96 - ☐ ☐

Mounting
- S: street lamp type
- G: fixed type

Lamp power (W)

Explosion-proof LED floodlight

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

Technical data

Explosion-proof LED floodlights   HRT96-☐☐

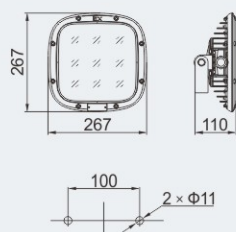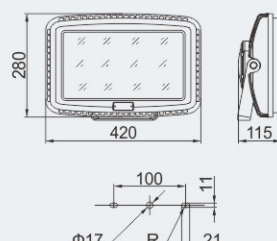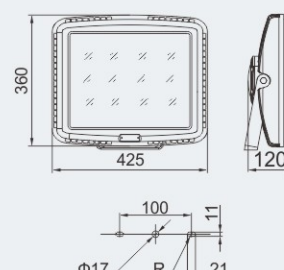|	
Explosion protection	
Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db IIC T6 Gb
	Ex tb IIIC T80℃ Db IP66
Europe (ATEX)	ATEX (applied for)
Gas and dust	⟨Ex⟩ II 2 G Ex db IIC T6 Gb
	⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db IP66
Certificates	IECEx; ATEX
Conformity to standards	EN 60079-0, EN 60079-1, EN60079-28, 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℃~+55℃
Terminal	3 x 1.5~4mm^2 (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
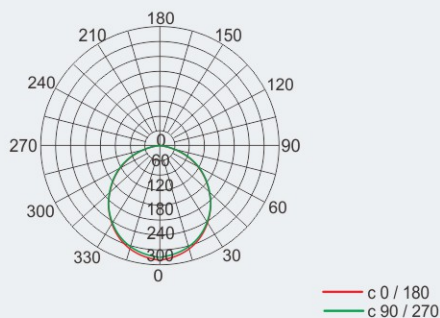

HRT96-80☐

HRT96-160☐

HRT96-240☐

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

HRT96-80☐

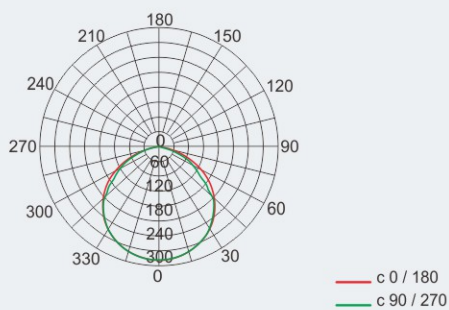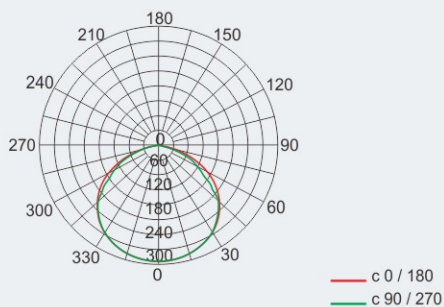| Lamp power (W)	Luminous flux	Wattage
80	8400lm	80W

— c 0 / 180
— c 90 / 270

HRT96-160☐

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

— c 0 / 180
— c 90 / 270

HRT96-240☐

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

— c 0 / 180
— c 90 / 270

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

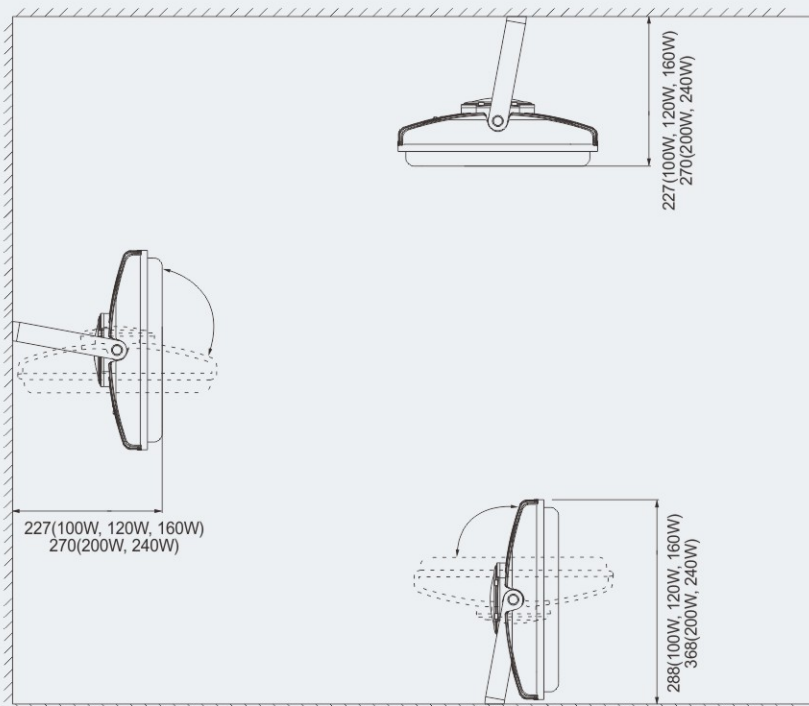## Mounting type (all dimensions in mm) - subject to alteration

G: fixed type

227(100W, 120W, 160W)
270(200W, 240W)

227(100W, 120W, 160W)
270(200W, 240W)

288(100W, 120W, 160W)
368(200W, 240W)

S: street lamp type

405(100W, 120W, 160W)
408(200W, 240W)

198(100W, 120W, 160W)
205(200W, 240W)

Φ60

280(100W, 120W, 160W)
360(200W, 240W)

420(100W, 120W, 160W)
425(200W, 240W)

Street lamp connector

Pipe clamp