

# HRV97 Series

## Explosion-proof LED Light Fixtures

**Applicable area**  
Zones 1 & 2; 21 & 22

### Explosion-proof certificate

IECEX: IECEX CQM 24.0001X

ATEX: applied for

### Enclosure

Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)

### Diffuser

Polycarbonate, stands 4J impact

### LED driver

Wide voltage input, CC-CV (constant current-constant voltage) output, 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

### Ambient temperature

-40°C~+40°C/58°C/+60°C

### Terminal (Without emergency function)

3x1.5-4mm<sup>2</sup> (L+N+PE)

### Cable entries

2xM25x1.5 plugs

### Installation type

X: Ceiling type, B: Wall type, F: Flange type, H: Fence type

G: Pendant pole type, W: Bend pole type, QT: Derrick-specific type



SMD explosion-proof light source module.

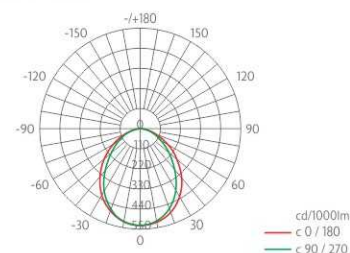


Vaporization diffusion cover.



Explosion-proof signal indicator light module.

### Light distribution curve



## PRODUCT SELECTION

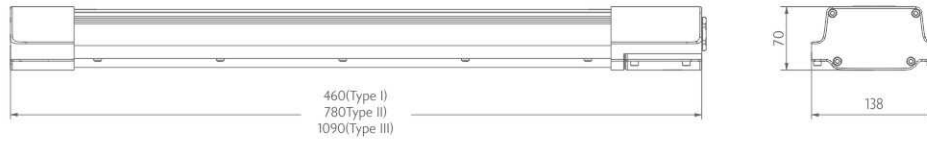
Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
20W	2500lm	LED module	100-277V AC 50/60Hz 130-250V DC	Ex db eb mb IIC T5/T4 Gb Ex tb IIIC T70°C/T90°C Db ⊕ II 2 G Ex db eb mb IIC T5/T4 Gb ⊕ II 2 D Ex tb IIIC T70°C/T90°C Db	IP66	Type I
40W	5300lm					Type II
60W	7500lm					Type III

## EMERGENCY DATA

Special emergency controller and battery pack, with protection against overcharge and overdischarge.

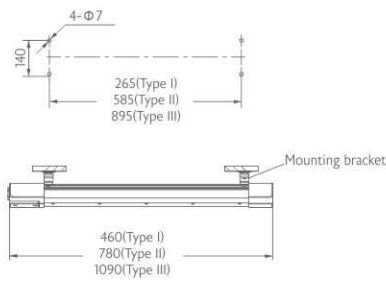
Emergency power (W)	Emergency starting time	Charging time	Emergency lighting time	Ex-mark
20W×70%	0.3s	24h	90min (180min is optional)	Ex db eb mb IIC T4 Gb Ex tb IIIC T90°C Db ⊕ II 2 G Ex db eb mb IIC T4 Gb ⊕ II 2 D Ex tb IIIC T90°C Db
40W×35%				

## DIMENSION DRAWINGS

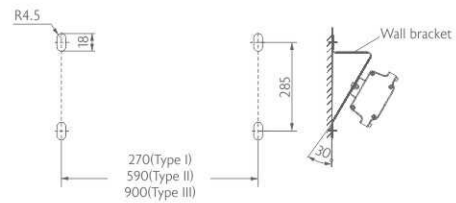


## MOUNTING TYPE

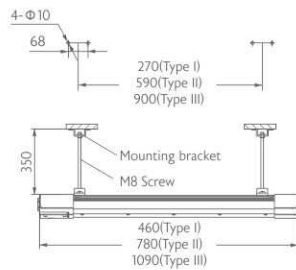
X: ceiling type



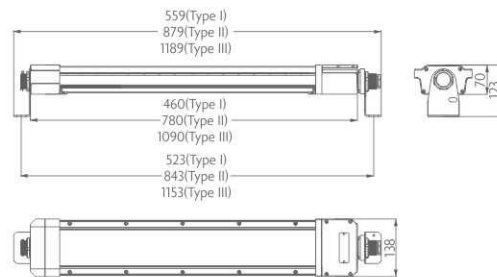
B: wall type



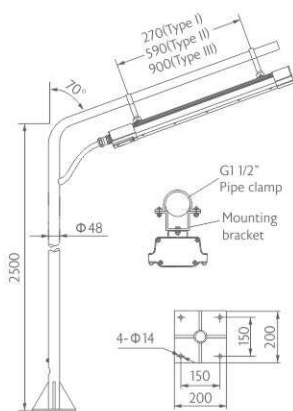
G: pendant pole type



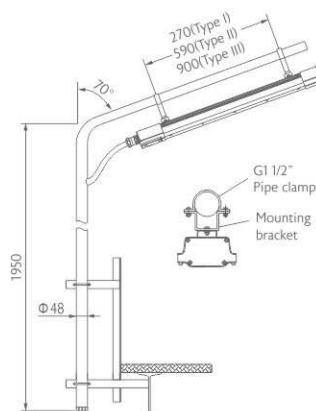
QT: derrick-specific type



F: flange type



H: fence type



W: bend pole type

