



**CROWN EXTRA LIGHTING CO., LTD**

Distributor :  
www.7-mars.com



## **SPECIFICATION FOR APPROVAL**

CUSTOMER

MODEL NO.

PART NO.

APPLICATION

ISSUE DATE

REV. NO.

REV.DATE

**GYD970 SERIES**

**2022.03.28**

FOR CUSTOMER APPROVAL	CHECKED BY
	Jason
	APPROVED BY





## 20-300W LED explosion proof light

# GYD970 series



### ■ Features:

- Zone 1&2, Zone 21&22
- Instant on crisp white light output
- High efficiency drivers and LEDs provide, low cost operation in harsh and heavy industrial applications
- Isolated LED compartment reduces temperature within driver housing
- Multi choice of beam angle for 45° 90° 120°

## Applications

- Typical applications include:
- Oil and gas industries
- Chemical, petrochemical
- Pharmaceutical industries
- Pulp and Paper
- Waste and sewage treatment
- Power Generation

## Standard Materials

- Housing: Die-casting aluminum
- Exterior: Stainless steel
- Globe: Tempered glass
- Gasket: Silicon rubber

## Certifications

ATEX  
CNEX  
CE  
RoHS  
ISO9001



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## GYD970 series

GYD970-1



GYD970-2






GYD970-3



GYD970-4



### Explosion protection

European (ATEX) Gas and Dust 	<b>CE 1282</b>  II 2G Ex d e mb IIC T6 <b>CE 1282</b>  II 2D Ex td T80°C
For use in	Zone 1, 2 & Zone 21, 22

### Electrical data

Rated voltage	100-277VAC, 50-60Hz
Power factor	>0.95
THD	<20%

### Luminous characteristics

Power consumption [W]	20 ~ 80	100~120	150~200	200~240
Colour rendering [CRI]	80 (±2)			
Colour temperature [K]	5700			
Luminaire efficiency [Lm/W]	115-145			
Beam angle	120° (45°, 90° is optional)			

### Mechanical data

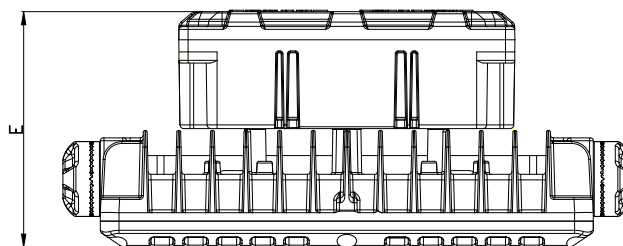
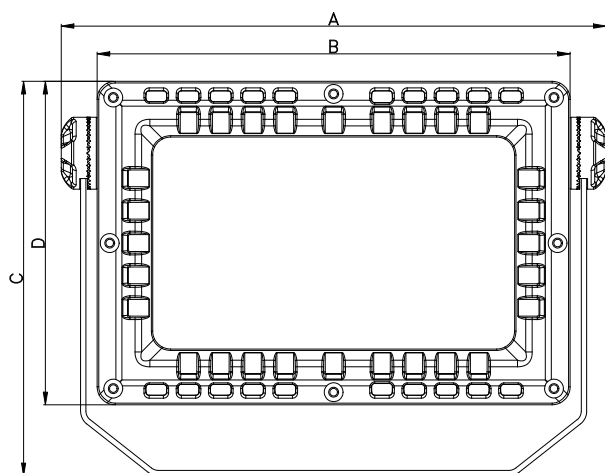
Degree of protection	IP66			
Cable entry	G 3/4"; NPT 3/4"			
Weight [kg]	5.12	9	12	16
Terminal	≤2.5 mm <sup>2</sup>			
Mounting Styles	Ceiling; Wall Bracket; Pendant			



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## Dimension [mm]



	A	B	C	D	E	F	G	H
GYD970-1	304	264	219	180	126	216	227	219
GYD970-2	384	344	273	240	126	255	277	273
GYD970-3	472	418	315	275	130	295	320	315
GYD970-4	544	492	371	330	130	341	374	371

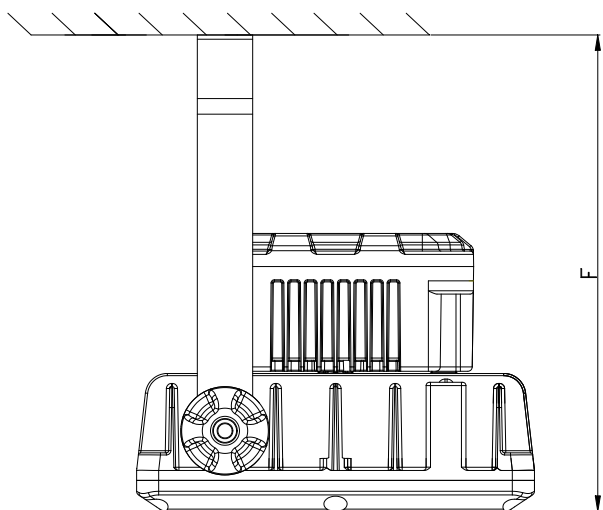
GYD970-1 Bracket	
GYD970-2 Bracket	
GYD970-3 Bracket	
GYD970-4 Bracket	



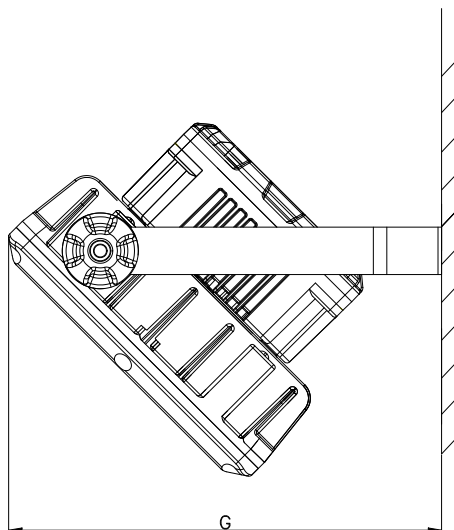
20-300W LED explosion proof light

**GYD970** series

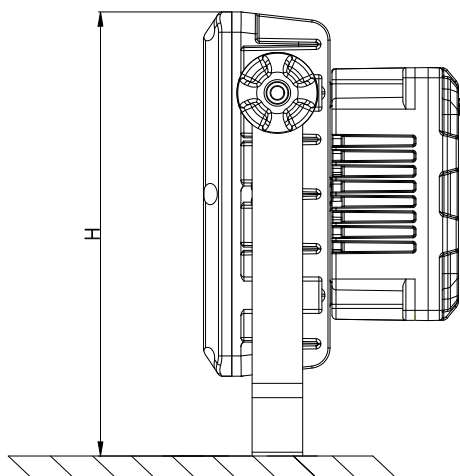
## Installation



**Ceiling Mount**



**Wall Mount**



**Bracket Mount**