



CROWN EXTRA LIGHTING CO., LTD

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SPECIFICATION FOR APPROVAL

CUSTOMER

MODEL NO.

GYD970 SERIES

PART NO.

APPLICATION

ISSUE DATE

REV. NO.

REV.DATE

2019.02.25

FOR CUSTOMER APPROVAL	CHECKED BY
	Ivy
	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



20-300W LED explosion proof light

GYD970 series

GYD970-1


GYD970-2

GYD970-3

GYD970-4



Explosion protection

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

Electrical data

Rated voltage	100-240VAC, 50-60Hz
Power factor	>0.95
THD	<20%

Luminous characteristics

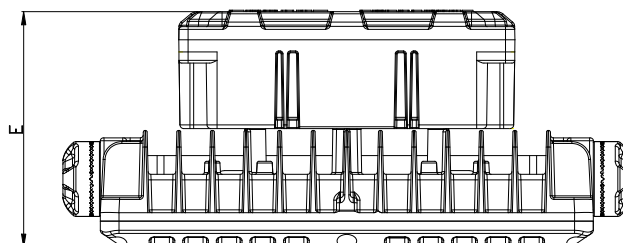
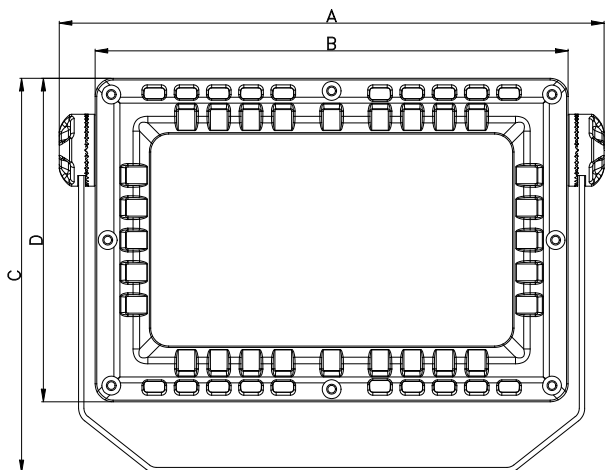
Power consumption [W]	20 ~ 80	100~120	150~200	250-300
Colour rendering [CRI]	70 (±2)			
Colour temperature [K]	6000-6500			
Luminaire efficiency [Lm/W]	115-130			
Beam angle	120° (60°, 90° is optional, with lens)			

Mechanical data

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



Dimension [mm]

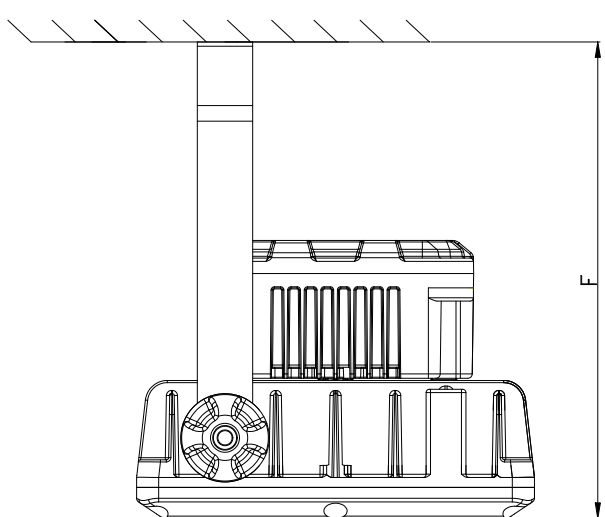


	A	B	C	D	E	F	G	H
GYD970-1	304	264	219	180	126	216	227	219
GYD970-2	384	344	273	240	126	255	277	273
GYD970-3	472	418	315	275	130	295	320	315
GYD970-4	544	492	371	330	130	341	374	371

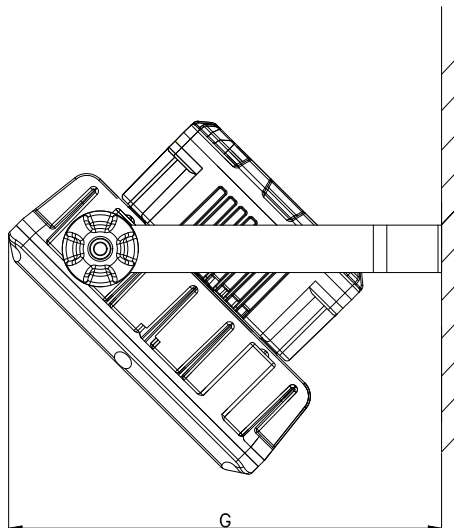
GYD970-1 Bracket	
GYD970-2 Bracket	
GYD970-3 Bracket	
GYD970-4 Bracket	



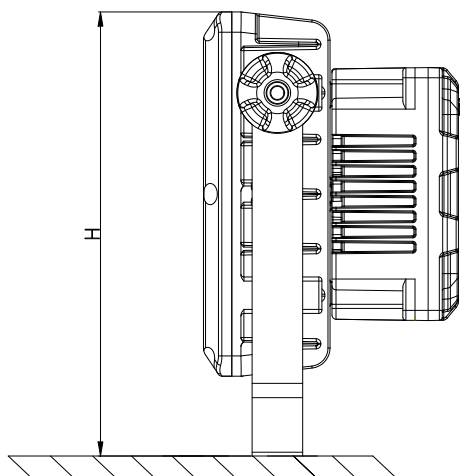
Installation



Ceiling Mount



Wall Mount



Bracket Mount