



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

GYD720 SERIES

2021.04.05

FOR CUSTOMER APPROVAL	CHECKED BY
	Jason
	APPROVED BY





20-300W LED explosion proof light

GYD720 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: Aluminum Alloy
- Fasteners: Stainless steel
- Diffuser: Tempered glass
- Gasket: Silicon rubber

Certifications

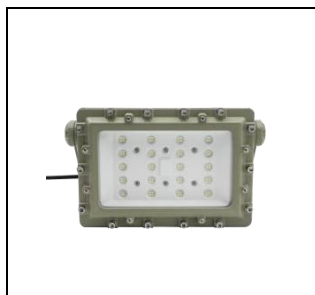
ATEX
CNEX
CE
RoHS
ISO9001



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GYD7201



GYD7202



GYD7203



GYD7204



Explosion protection

European (ATEX) Gas and Dust	CE 1282 II 2G Ex d e mb IIC T6 CE 1282 II 2D Ex tD A21 T80°C
For use in	Zone 1, 2 & Zone 21, 22
Ambient Temperature	-40 to +40 Deg [Best Working Temperature] -40 to +85 Deg [Max. Working Temperature]

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	240-300
LED	CREE [USA]			
Driver	MEANWELL XLG [TAIWAN]			
Colour rendering [CRI]	80 (±2)			
Colour temperature [K]	2700/ 3000/ 3500/ 4000/ 5500/ 6000/ 6500K			
Luminaire efficiency [Lm/W]	135-145			
Beam angle	120° (60°, 90° is optional)			

Mechanical data

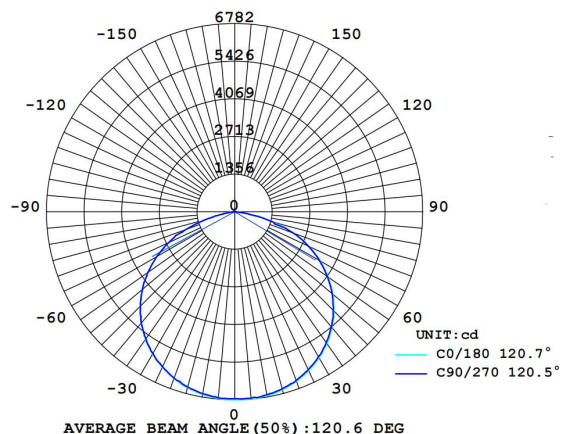
Degree of protection	IP66			
Cable entry	G 3/4" For Φ10mm-Φ14mm cable size			
Weight [kg]	5.	8.9	12.2	15.5
Terminal	≤2.5 mm ²			
Mounting Styles	Ceiling; Wall Bracket; Pendant			
Corrosion Resistant	WF2 (powder coating)			



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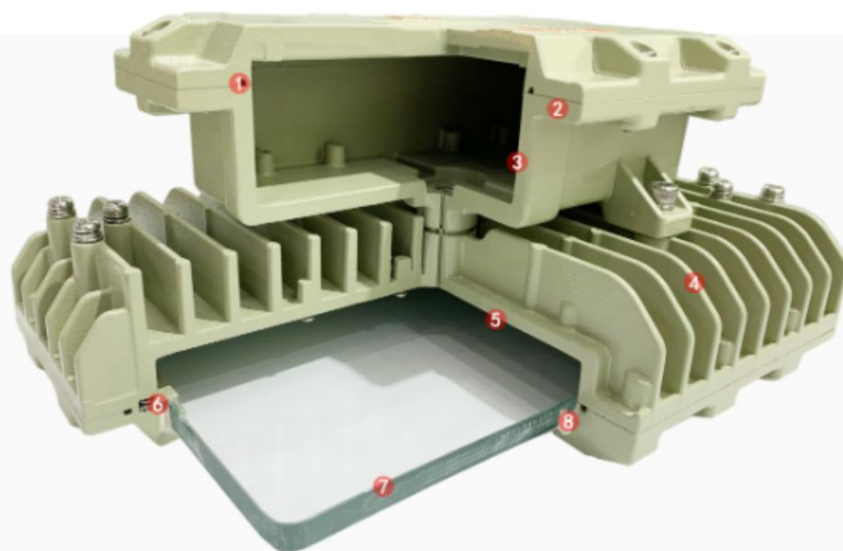
GYD720 series

LUMINOUS INTENSITY DISTRIBUTION



EFFICIENCY(lm/W): over 135lm/w
CCT: 5700K
CRI: 80
Beam Angle: 105-120Deg

Housing details



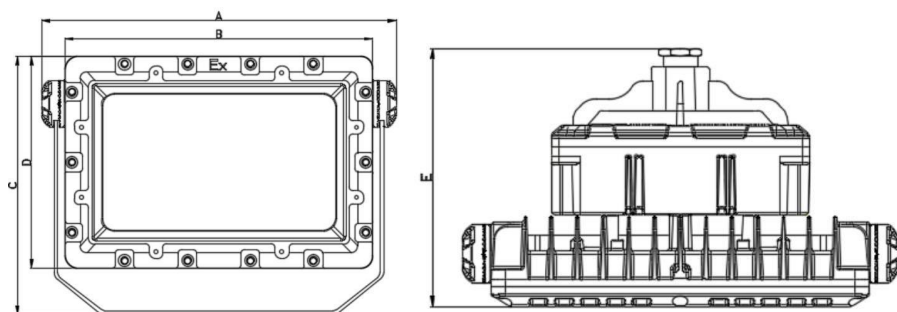
- | | |
|---|-----------------------------------|
| 1. Sealed Rubber Ring | 2. Explosion proof Surface (28mm) |
| 3. Ex Driver Box (thickness: 8mm) | 4. The cooling fins (3mm) |
| 5. Ex Light Source Box (thickness: 6mm) | 6. Pressing Plate (2mm) |
| 7. High borosilicate tempered glass (thickness: 13mm) | |



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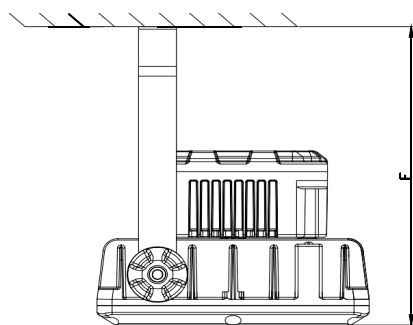
Dimension [mm]



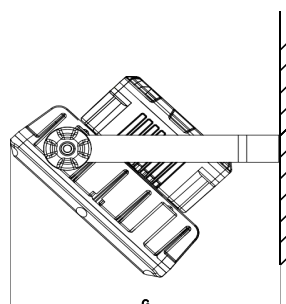
	A	B	C	D	E	F	G	H
GYD7201	304	264	219	180	126	216	227	219
GYD7202	384	344	273	240	126	255	277	273
GYD7203	472	418	315	275	130	295	320	315
GYD7204	544	492	371	330	130	341	374	371

GYD7201 Bracket	
GYD7202 Bracket	
GYD7203 Bracket	
GYD7204 Bracket	

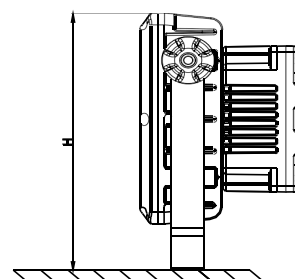
Installation



Ceiling Mount



Wall Mount



Bracket Mount



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