

Explosion Proof LED Flood Light

20-300W

GKGYD 7000 Series



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

■ 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°

II 2G II 2 G Ex db eb IIC T6 Gb
II 2D II 2 D Ex tb IIIC T80°C Db IP66

Application: Zone 1, 2 & 21, 22

Voltage: 100-277 VAC, 50/60HZ

Light source: CREE

led beam angle 120 degree

CCT: 6000K CRI:80 (±2)

Luminaire efficiency:130Lm/W

Driver brand: MEANWELL

Certifications

ATEX
CNEX
CE
RoHS
ISO9001

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GKGYD7201

GKGYD7202

GKGYD7203

GKGYD7204



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 or 24VDC
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]	6	10	13	16
Terminal	≤2.5 mm²			
Mounting Styles	Ceiling; Wall Bracket; Pendant			
Corrosion Resistant	WF2 (powder coating)			

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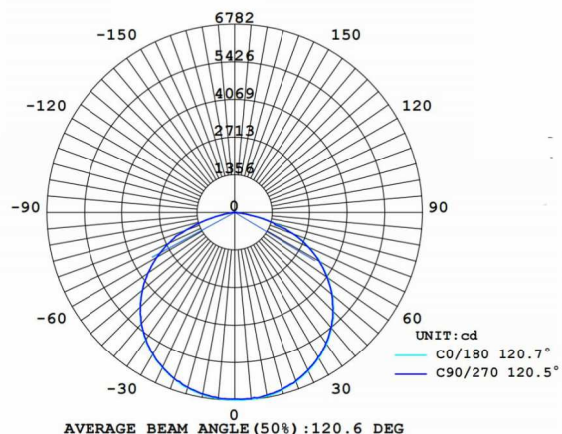
GKGYD 7000 Series



GK

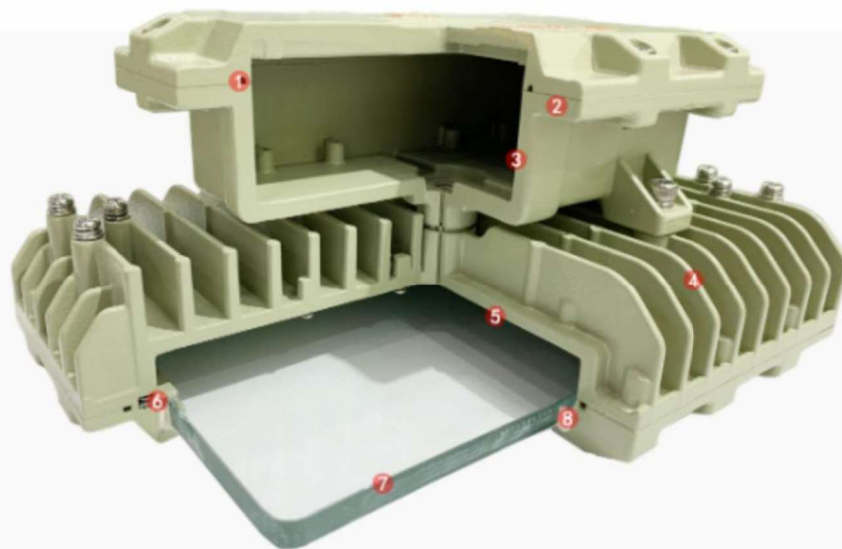
LIGHTINGS

LUMINOUS INTENSITY DISTRIBUTION



EFFICIENCY(lm/W): over135lm/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) | |

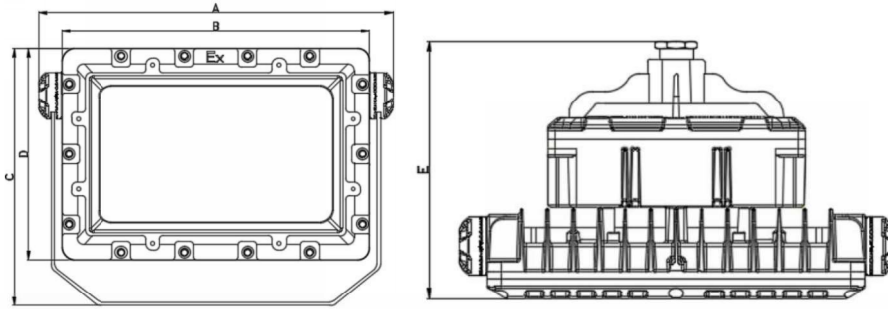
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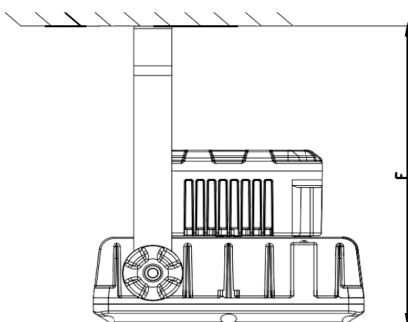
Dimension [mm]



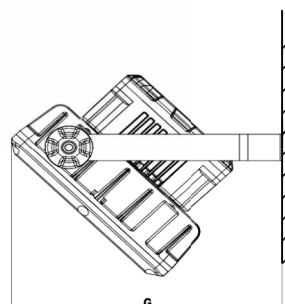
	A	B	C	D	E	F	G	H
GKGYD7201	304	264	219	180	126	216	227	219
GKGYD7202	384	344	273	240	126	255	277	273
GKGYD7203	472	418	315	275	130	295	320	315
GKGYD7204	544	492	371	330	130	341	374	371

GKGYD7201 Bracket	
GKGYD7202 Bracket	
GKGYD7203 Bracket	
GKGYD7204 Bracket	

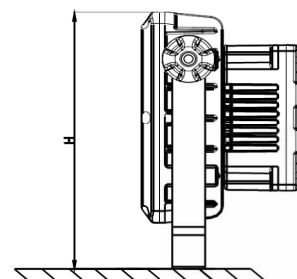
Installation



Ceiling Mount



Wall Mount



Bracket Mount

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LIGHTINGS



Bracket mounting



Ceiling Type



Street Light



Wall mount