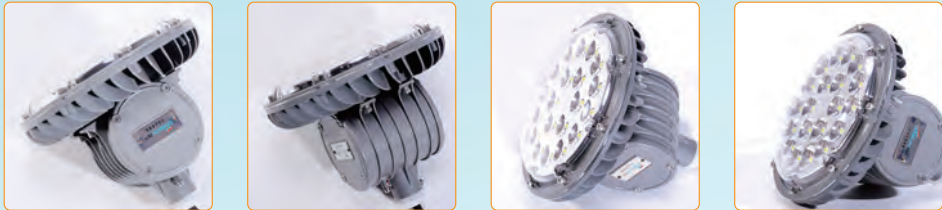


GLD210

- Power LED, service life over 60,000 hours
- Over 50% less energy consumption comparing to HID
- Unique tri-chamber structure
- Easy to install, low maintenance costs
- IP65, WF2, against rain, moisture, dust and corrosion



FEATURES

- Energy-efficient: compared with conventional lighting, LED consumes up to 85% less energy.
- Long life: last to 60,000h rated life or more, 50 times of incandescent bulbs, 8 times of fluorescent lamps.
- Weather proof: reach IP65 and WF2 standards, which provide maximum performance against rain, moisture, cold, corrosion and dust.
- Wide voltage range: AC220V type can operate within 90-260V range.
- Good EMC: excellent electromagnetic compatibility and anti-interference.
- SMT technology: surface mounting technology keeps low working temperature of LED chip.
- Horizontal tri-chamber structure: independent chambers for light source, driver and wiring ensure LED heat will not affect driver and wiring parts.
- Standard material: copper-free Aluminum housing, surface with epoxy powder coating, impact-resistant Polycarbonate lens and stainless steel external hardware.

Application sectors:



Oil refineries



Chemical and petrochemical plants



Onshore plants



Offshore plants



Low temperatures



Fuel depots



Fuel tanker loading/unloading areas

SPECIFICATION

Standards	IEC60598-1, IEC60598-2-1, IEC61000-3-2, IEC61347-2-3				
Rated Voltage	AC/DC 220V(*1) 50/60Hz				
Housing Type	I		II		
Rated Wattage	20W(*2)	30W(*2)	40W	50W	60W
Luminous Flux	2000Lm	3000Lm	4000Lm	5000Lm	6000Lm
Color Temperature	5000-5500K(3000K optional)				
IP Grade	IP65				
Corrosion-proof Grade	WF2				
Ambient temperature	-20°C~ +60°C(-40°C optional)				
Cable Entry	G3/4" threads, for cables Φ10mm~Φ14mm (*3)				
Terminals	wires≤2.5mm²				
Installation	Bracket(Wall/Ceiling/Pendant pole/Pedant chain/Bent pole/Fence/Flange)				

Remark:

- 1:AC/DC110V, DC36V, DC24V, DC12V is optional. DC12V is only available for 20W, 30W.
- 2: Available for emergency type.
- 3: NPT3/4" is available.

MECHANICAL FEATURES

Body: Copper-free content aluminum alloy

Len: Anti-UV, impact resistant polycarbonate for temperatures of -40°C

Gaskets: Acid/hydrocarbon resistant silicone gasket for temperatures of -50°C

Guard(Optional): Electro-polished stainless steel

Bolts and screws: Stainless steel

Entries: G3/4" threads

Coating: Epoxy coating(grey)

Corrosion resistance: The STANDARD of the aluminium alloy used by Qinsun has passed the tests required by standards EN60068-2-30 (hot/humid cycles) and EN60068-2-11 (salt mist tests)

PRODUCT SPECIFICATION

Standard Type						
Product Code	Rated Power	Rated Voltage	Cable Entry	IP Grade	Housing Type	Weight (kg)
GLD210-20	20W	AC220V	G3/4"	IP65	I	2.6
GLD210-30	30W					
GLD210-40	40W					
GLD210-50	50W	AC220V	G3/4"	IP65	II	3.5
GLD210-60	60W					
Emergency Type						
Product Code	Rated Power	Emergency Power	Emergency Duration	Battery Capacity	Housing Type	Weight (kg)
GLD210E-20	20W	10W	60min	12V, 1500mAH Li	III	3.0
GLD210E-30	30W	15W	60min	12V, 1800mAH Li		

⚠ Housing dimension see GLD210 series dimensional drawings.

ORDERING REQUEST/ACCESSORIES AVAILABLE

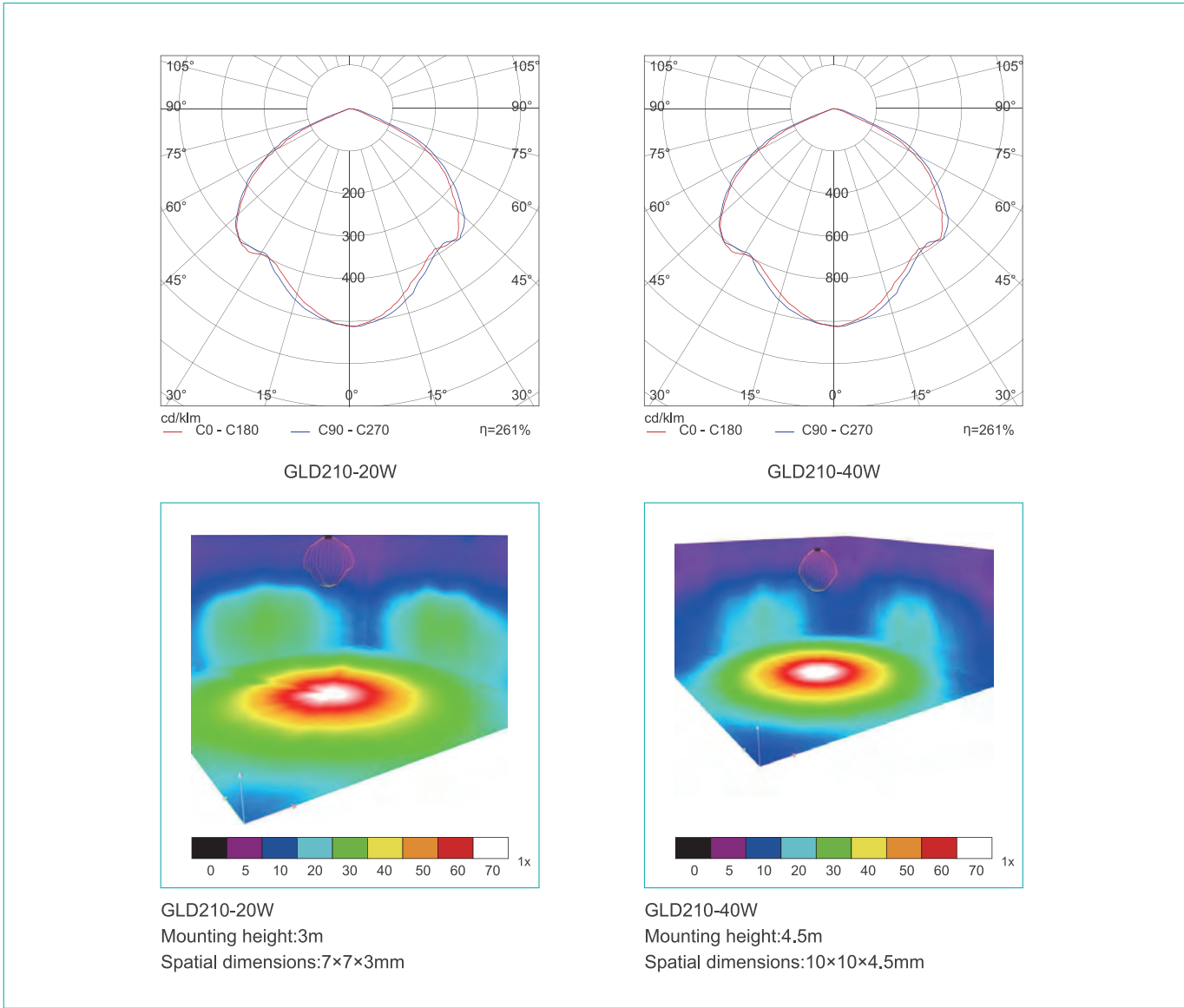
- Different rated voltages
- Different installation method
- Different color temperature
- Metal guard/cable gland/terminal box

APPLICATION AREAS

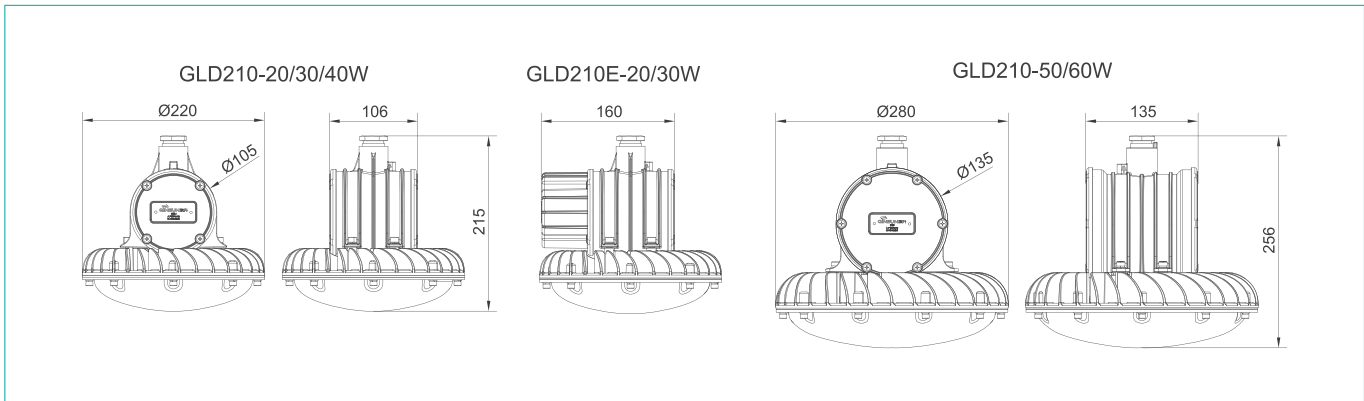
Widely used in harsh and hazardous environments which is wet, dusty and corrosive, such as industries of Petroleum Industry, Petrochemical Industry, Shipping Industry, Mining Industry, Military Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Railway Industry, Public Security and Fire Fighting, etc.

Remark: none explosion-proof function.

LIGHT DISTRIBUTION CURVE

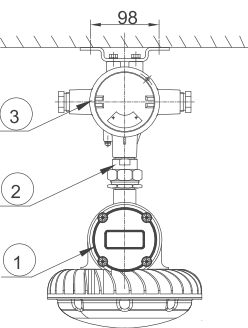


DIMENSIONS

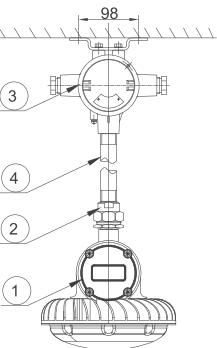


INSTALLATION

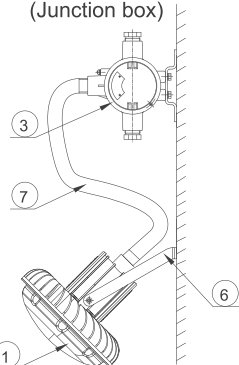
Ceiling (Junction box)



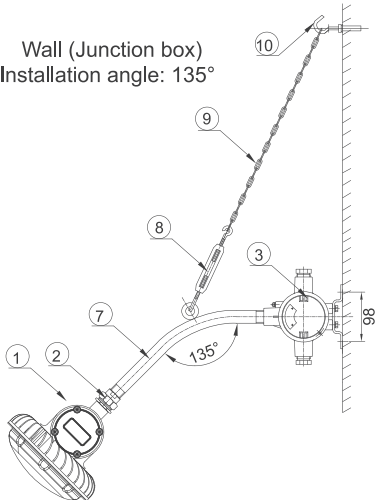
Pendant-pole (Junction box)



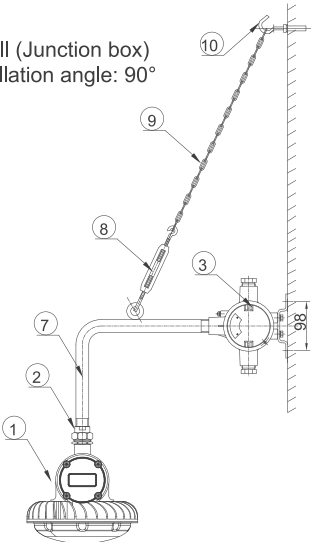
Bracket (adjustable angle)
(Junction box)



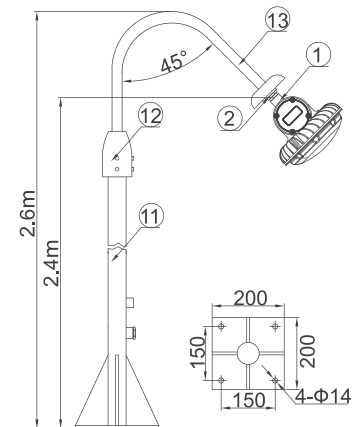
Wall (Junction box)
Installation angle: 135°



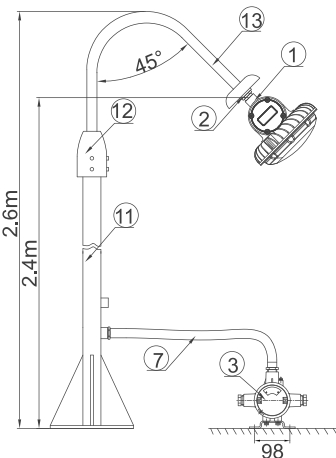
Wall (Junction box)
Installation angle: 90°



Flange

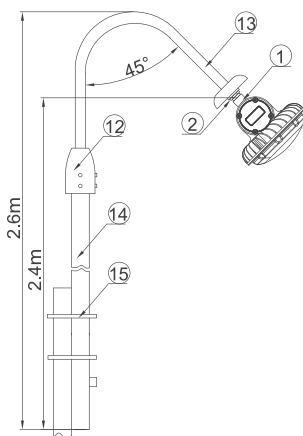


Flange (Junction box)

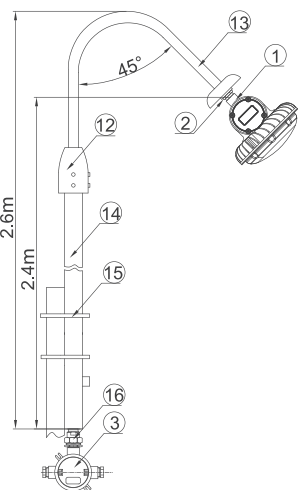


INSTALLATION

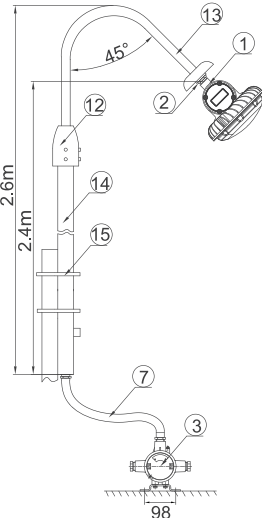
Fence



Fence(Junction box -Integral type)



Fence(Junction box -Split type)



>Table of Spare parts

No.	Item	Remark	No.	Item	Remark
①	LED Floodlight (LED Emergency Floodlight)		⑨	Chain	450mm
②	Union coupling G3/4"(F) G3/4"(M)	Supplied by user	⑩	Expansion screw	
③	Weather-proof pendant box	300mm	⑪	Upright pole G1 1/2"	Flange type
④	Straight pipe G3/4"		⑫	Reducer	
⑤	Bracket for ceiling mounting		⑬	Bent pipe G1"	
⑥	Bracket for wall mounting		⑭	Upright pole G1 1/2"	Fence type
⑦	Flexible connecting pipe G3/4" both Male	300mm	⑮	U type clamp	Supplied by user
⑧	CC type rigging screw buckle		⑯	Union coupling G3/4"(M) G3/4"(M)	

>Selection of Installation Accessories

Installation	Accessories supplied
Pendant-pole	Please refer to ③ in Outline and Installation Dimension Table
Ceiling	Please refer to ⑤ in Outline and Installation Dimension Table
Bracket	Please refer to ⑥ in Outline and Installation Dimension Table
Wall	Please refer to ⑦ ⑧ ⑨ ⑩ in Outline and Installation Dimension Table
Flange	Please refer to ⑪ ⑫ ⑬ ⑯ in Outline and Installation Dimension Table
Fence	Please refer to ⑫ ⑬ ⑭ ⑯ in Outline and Installation Dimension Table