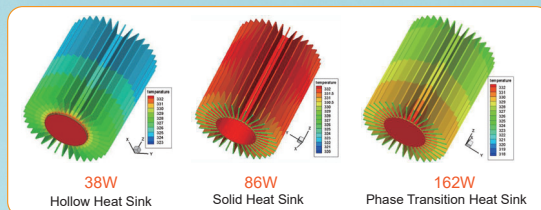


- DC LED Engine, 133lm/w, service life over 60,000 hours
- Super conductive thermal phase transition technology
- High performance anti-glare technique
- Unique tri-chamber structure
- High voltage driver, simple and high reliability
- 3,000 to 25,000 lumen LED high bay lighting
- Zone 1, 2, 21, 22



Advanced super thermal phase transition technology (STPT), provide super high cooling efficiency, uniform temperature



30/50/60W



100/80W



120/150W

FEATURES

- Latest DC LED Light engine, high light efficiency, reaches 133 lumen/watt;
- High voltage driving, lower current, efficiency > 97%;
- Advanced super thermal phase transition technology(STPT), high cooling efficiency, low temperature, ensure long lifespan of LED;
- Excellent uniform temperature, the temp difference of heat sink is within $\pm 2^{\circ}\text{C}$;
- Vertical fin design facilitates air flow and dust shedding;;
- Independent chambers for light source, driver and junction box, easy to install;
- Nano-scale anti-glare phosphor coating, absorb harmful blue light with white light excitation, increase total lumen output;
- Wide beam angle, uniform light distribution, comfortable and healthy;
- Compact size, light weight, weight is 25% less than traditional heat sink, and volume is 20% less.

SPECIFICATION

Rated Voltage	AC100-277V 50/60Hz						
Housing Type	I			II		III	
Rated Wattage(W)	30	50	60	80	100	120	150
Luminous Flux(LM)	3300	5500	6600	8800	11000	13200	16500
Weight(kg)	2.8			3.2		4.0	
Color Temperature	3000/5000/6500K						
IP Grade	IP66						
Ambient temperature	-40°C~ +60°C						
Cable Entry	G3/4"/NPT 3/4"/M25X1.5						
Terminals	wires≤2.5mm²						
Installation	Ceiling/Pendant/Wall						

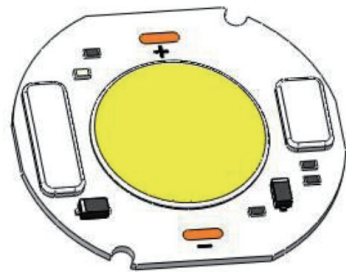
APPLICATIONS

For areas with mounting heights of 3-12m

- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, indoor/outdoor spotlighting, outdoor wall and stanchion mounted general area lighting;
- Locations requiring continuous and consistent light levels in extreme ambient temperatures;
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist;
- Non-hazardous locations.

LED SYSTEM

- Latest DC LED Light engine, COB sealing, 133 lumen/watt;
- High voltage driving, lower current, higher efficiency;
- High stability, high efficiency;
- CRI>80, no glare, healthy for eye;
- Long life, stable luminous flux, life span over 50,000h.



LED DRIVER

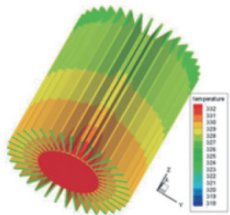
- Sealed by thermal interface adhesive, reaches IP67;
- Power efficiency > 97%;
- Over voltage, over current and surge protection;
- Good EMC performance;
- Endure +/-20% voltage tolerance.



HEAT SINK ADVANTAGE

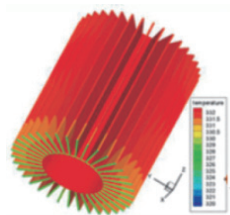
- Strong Heat Capacity: 400W/cm² , 1000 times of water cooling, 100 times of heat pipe;
- Excellent uniform temperature, the temp difference is within in ±2 ℃;
- Light weight, small size: weight is less than 25% of normal heat sink, volume is 20% less.
- High reliability, simple structure;
- The cooling agent is eco-friendly;
- Long life: can be used between -50 ℃ to 150 ℃ , lifespan 20 years;
- Elegant design, oxidized surface, anti-corrosion.

Heat Capacity Comparison



0.01W/cm²

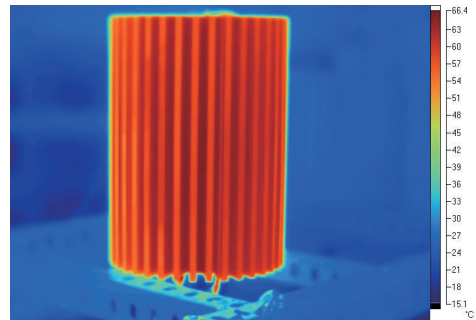
Traditional Heat Sink



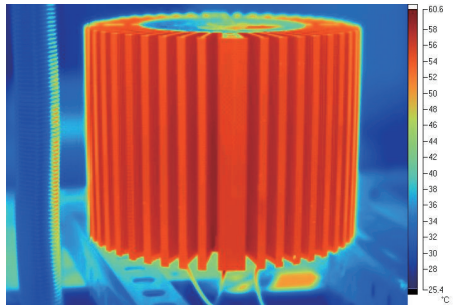
100W/cm²

Phase Transition Heat Sink

Uniform Temperature(±2 ℃ in all fins)



160W



200W

ANTI-GLARE TECHNIQUE

- Revolutionary nanometer YAG Phosphor coating inside tempered glass;
- Uniform and soft light distribution;
- Increase total lumen output;
- Extremely Low Blue Light;
- Healthy • Comfortable • Safe Illumination.

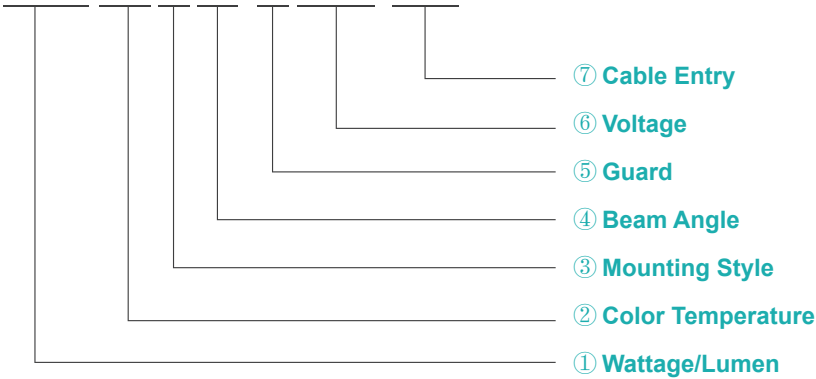


STANDARD MATERIALS

- Lamp housing - die casting aluminum with corrosion-free epoxy powder coating;
- Lens - heat and impact-resistant glass
- Gaskets - high quality silicone, anti-corrosion and anti-aging;
- External hardware - stainless steel;
- Light source chamber - factory-sealed, prevent water and dust.

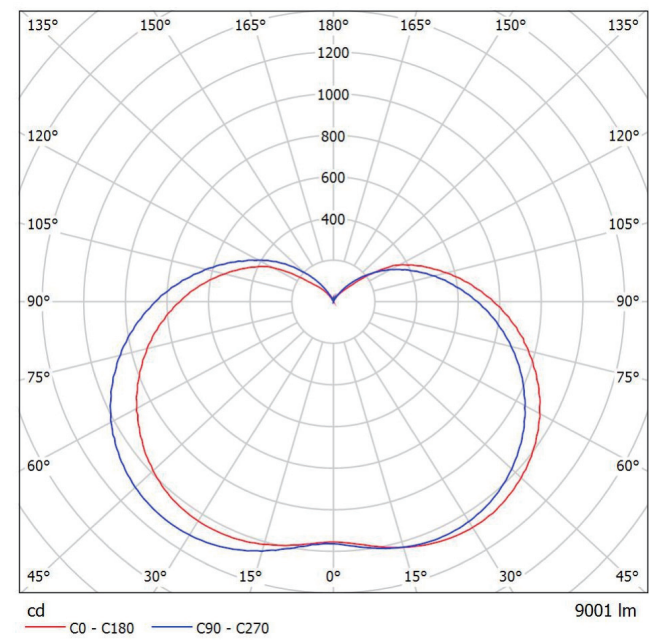
MODEL AND MEANING

GLD8560-150W-5K-C-45D-G-220V-NPT

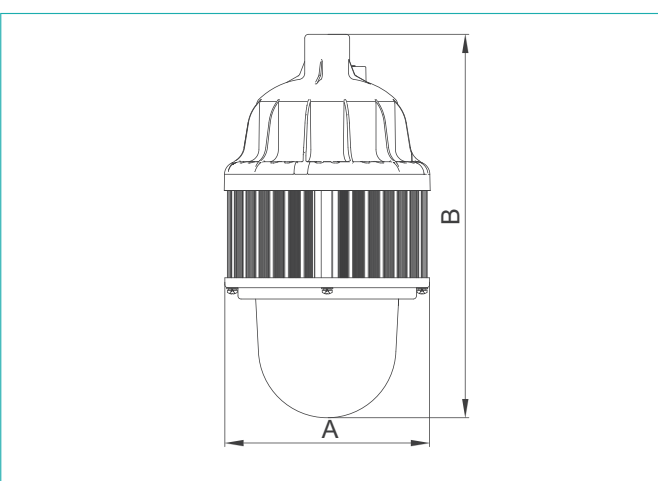


						⑤ Guard	
						Blank	No Guard
						G	Wire Guard
① Wattage/Lumen		② Color Temperature		④ Beam Angle		⑥ Voltage	
30W	3,300 Lumen	3K	3000K Warm	15D	15°	220V	176-264V, 50/60Hz
50W	5,500 Lumen	5K	5000K White	30D	30°	110V	100-240V, 50/60Hz
60W	6,600 Lumen	6K	6500K Cool White	45D	45°	⑦ Cable Entry	
80W	8,800 Lumen	③ Mounting Style		60D	60°	NPT	NPT 3/4"
100W	11,000 Lumen	C	Ceiling	90D	90°	M	M25X.15
120W	13,200 Lumen	P	Pedant	120D	120°	G	G3/4"
150W	16,500 Lumen	W	Wall	180D	180°		

LIGHT DISTRIBUTION CURVE



DIMENSIONS



Model	A(mm)	B(mm)
I	165	270
II	165	305
III	165	330

INSTALLATION

