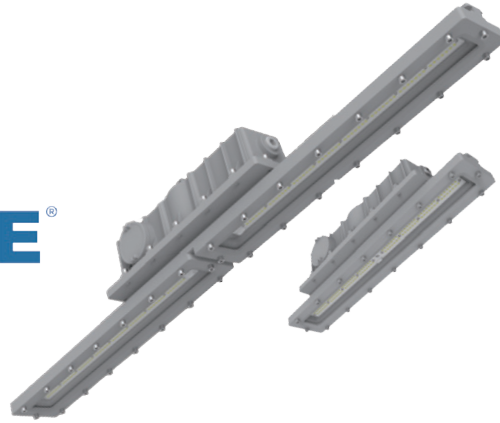


Distributor for:

GRINSAFE[®]



POINTER[™] GHLW

Hazardous Location Lighting

Designed for hazardous environments, the GHLW C1D1 linear light from GRINSAFE is ideal for environments where explosive and flammable gas, liquids, or vapors are present in normal operating conditions. They are also known for their outstanding thermal shock and impact resistant construction.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations
Class I Division 1, Group C, D
Class I Division 2, Group A, B, C, D
Class III

CSA C22.2 No.137

CSA C22.2 No.250.0

UL 1598 Wet Locations

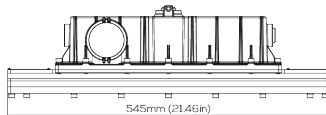
UL 1598A Marine Outside Type (Salt Water)

UL 8750 LED Safety

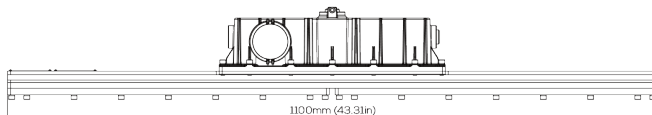
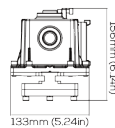
IP66/67 | IK08 | 5G | NEMA 4X

Dimensions

unit: mm(in)



2ft, 20W / 30W / 40W / 60W



4ft, 40W / 60W / 80W / 100W

Technical Data

Electrical

Rated Power	20W/30W/40W/60W/80W/100W
Input Voltage	100-277, 277-480V/AC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	< 200mVP-P

Optical

Lumen Output	3,400lm ~ 17,000lm
Luminous Efficacy (Lumens per Watt)	160-170 lm/W
Beam Angle	110°
Color Temperature	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

Environmental

Ambient Operating Temperature	-40°C~+65°C
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Technical

Lens Material	Tempered Glass
Mounting Options	Pendant / Ceiling / Wall / Pole Stanchion / Hanging
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	6.4kg(2ft) / 9.7kg(4ft)

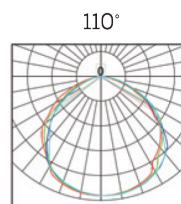
Warranty

5-year limited system warranty

Lumen Maintenance: L70 > 150,000 hours @ 25°C

Downloadable IES Files

Beam Distribution



Ordering Information and Mounting Accessories

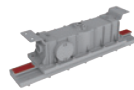
Model	Power	Voltage	Ex. Level	Optics	Color Temp	Lens	Mount Style	Color	Accessories
GHLW4 - 10 - U - 1 - 110 - CW - TG - PD - GR - XXX									
GHLW2 (2ft)	03 - 3,400 lm (20W) 05 - 5,100 lm (30W) 07 - 6,800 lm (40W) 10 - 10,200 lm (60W)	U - 100-277V/AC N - 277-480V/AC ¹	1 - CID1 2 - CID2	110 - 110°	WW - 2700K SW - 3000K NW - 4000K CW - 5000K AM - Amber AJC - Adjustable CCT (3000K/4000K/5000K)	TG - Clear glass FG - Frosted glass	PD - Pendant mount (3/4" NPT) FLM - Flush mount OSM - Offset ceiling / wall swivel bracket HM - Hanging mount PCM48 - Pole clamp 48mm for pole Ø 1-7/8" PCM60 - Pole clamp 60mm for pole Ø 2-3/8" W90 - Wall mount 90° W25 - Wall mount 25° S90A - Stanchion-90° (1-1/4" NPT) S90B - Stanchion-90° (1-1/2" NPT) S25A - Stanchion-25° (1-1/4" NPT) S25B - Stanchion-25° (1-1/2" NPT)	GR - Gray	SC2 SP20U SP20N CAB CGL
GHLW4 (4ft)	07 - 6,800 lm (40W) 10 - 10,200 lm (60W) 14 - 13,600 lm (80W) 17 - 17,000 lm (100W)								

¹ Only available for 60W/80W/100W (GHLW2-10, GHLW4-10, GHLW4-14 or GHLW4-17)

Mounting Options



PD
Pendant mount
3/4" NPT



FLM
Flush mount



OSM
Offset ceiling / wall
Swivel Bracket



W90
Wall mount 90°
3/4" NPT



W25
Wall mount 25°
3/4" NPT



HM
Hanging mount



PCM48
Pole clamp 48mm
for pole Ø 1-7/8"



PCM60
Pole clamp 60mm
for pole Ø 2-3/8"

S90A
Stanchion mount 90°
1-1/4"NPT



S25A
Stanchion mount 25°
1-1/4"NPT

S90B
Stanchion mount 90°
1-1/2"NPT



S25B
Stanchion mount 25°
1-1/2"NPT

Accessories



FLM
Flush ceiling mount kit
1 pair



OSM
Offset ceiling / wall
swivel bracket
1 pair



PCM48
Pole clamp 48mm 1 pair
for pole Ø 1-7/8"



HM
Hanging chain
stainless steel
1 pair



SC2
Stainless steel
safety cabl
Ø6 (3mm)



CGL
Cable gland
3/4" NPT
Suitable for CID2



SP10U
10KV Surge protector
(100-277V) *Standard



SP20U
20KV Surge protector
(100-277V)



CAB
3' SEOWW-18/3 Cord
(Factory installed)

SP10N
10KV Surge protector
(277-480V) *Standard

SP20N
20KV Surge protector
(277-480V)



Pointer™ GHLW Hazardous Location Lighting

Important Information

This manual contains safety information, please read carefully and follow the instruction strictly.

WARNING: INSTALLATION & SECONDARY RETENTION

Improper installation and handle, including secondary safety retention/securing/netting, may cause severe injury or death. We recommend that all installations should use secondary retention and/or safety netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end customer to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is installed safely (with secondary retention and/or safety netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under the relevant law, we disclaims all responsibility for personal injury and/or other damage resulting from any dislodgement or other dislocation of this product.

WARNING

To avoid the risks of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician in accordance with all applicable electrical rules and regulations.

Safety Instructions:

- Be certain, the electrical power is OFF before and during installation and maintenance.
- Make sure the supply voltage is the same as the rated luminaire voltage.
- The technical data indicated on the LED luminaires are to be observed.
- Any change on the design and modifications to the LED luminaire are not permitted.
- Observe the national/regional electrical safety rules and regulations during installation.
- LED beads are NOT replaceable. Replacement of whole set of light fixture is strongly recommended.
- All wiring connections should be capped with UL approved wire connectors.
- Luminaire MUST be well grounded.
- Any combustible materials MUST be kept away from the luminaire.
- Min 90°C supply conductors.
- Do not open the cover after installing the luminaire.

Maintenance:

1. To avoid personal injury, before maintaining, disconnect the light first, and then wait for the luminaire temperature dropping into the safe range.
2. All parts must be checked by mechanical means to ensure they are properly assembled.
3. The external luminous surface should be cleaned regularly to ensure continued luminaire performance. Wipe the glass with a clean, wet, non-abrasive, and lint-free cloth. If this is not sufficient, use mild soap or liquid cleaner. Do NOT use an abrasive, strong alkaline or acid detergent which might damage the luminaire.
4. Check the cooling fins of the luminaire and remove the dust or other sorts of things which accumulated on the luminaire.
5. Visual, electrical and mechanical inspections on the luminaire should be on a regular basis. We highly suggest that this routine inspection should be done at least once a year. The environment condition, where the luminaire installed, determines the frequency of inspection.
6. All electric connections MUST be checked and ensured that they are clean and firm.



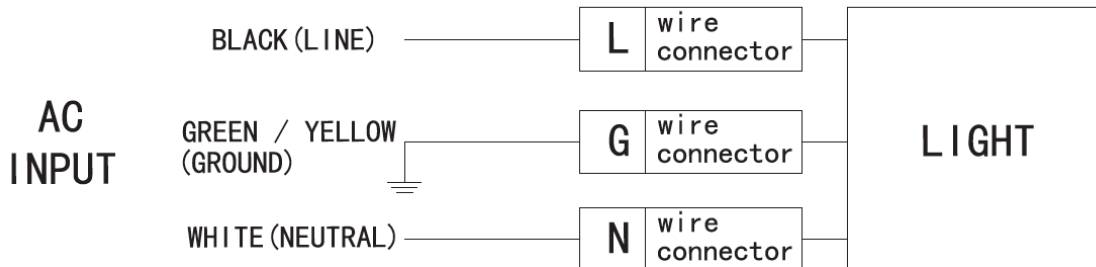
Electrical Connections:

WARNING:

Cut off the electric power supply from the circuit breaker or the fuse before wiring luminaire to the circuit.

Do not connect the dimming wires.

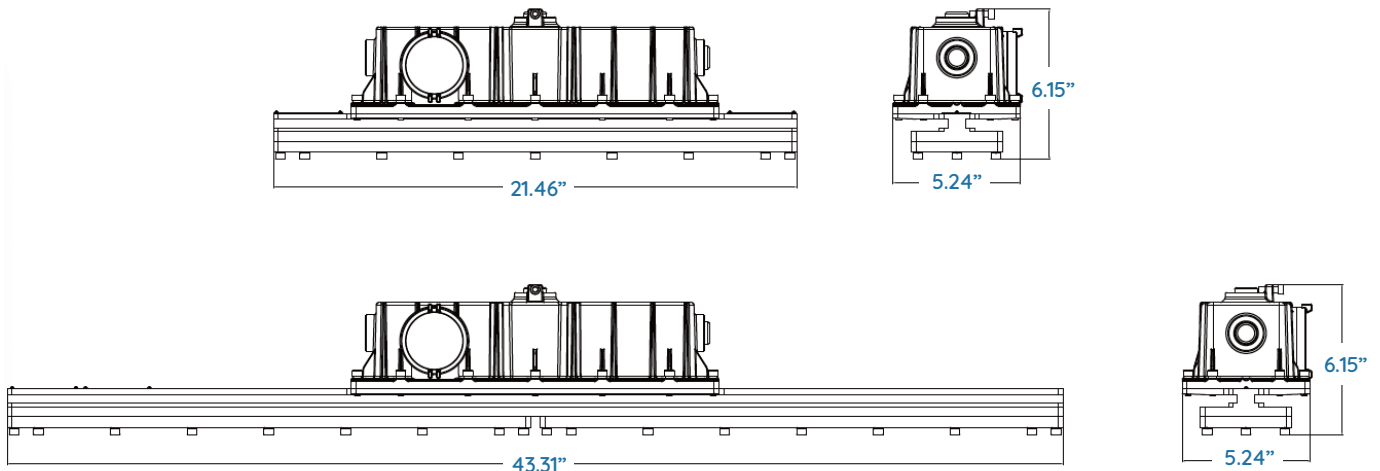
The connections are marked on the wire connector or on a label and are presented figure below.



Installation & Operation:

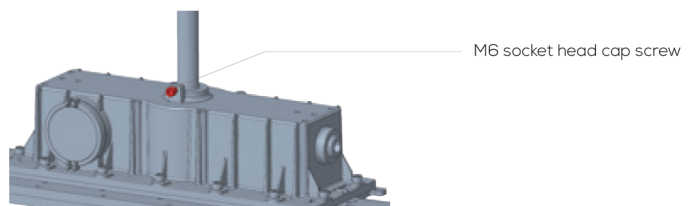
1. Loosen the circular Tank cover on the luminaire.
2. Attach the Tank to the 3/4" NPT conduit.
3. Thread the wire through conduit, and connect to wire connector.
4. Re-attach the circular Tank cover to the luminaire.
5. Check the tightness of conduit and Tank.

Technical Diagrams:



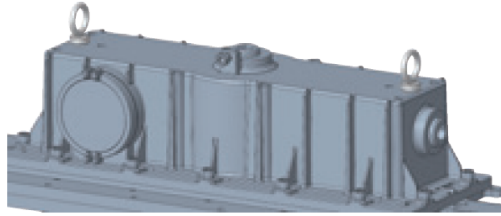
Pendant:

Fix the light with screws after installation and wiring; Torque: 7 N-m



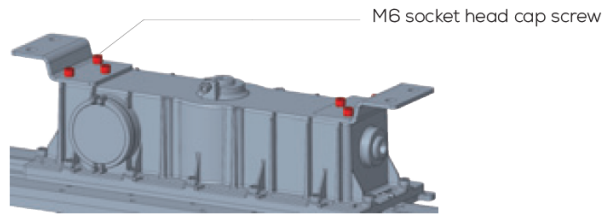
Chain Mount:

1. Fix the the ring to the lamp.
2. Fix the the chain to the ring.
3. Mount the luminaire.
4. Connect wires to the wire connector.



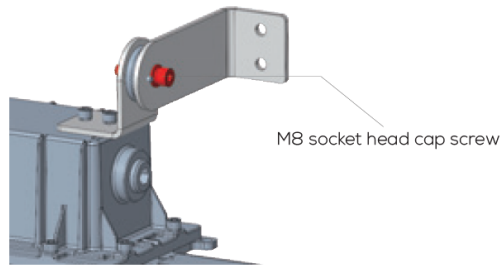
Flush Mount by Ceiling-Bracket:

1. Fix the bracket on the lamp with M6 screws;
Torque: 7 N-m;
2. Mount the luminaire;
3. Connect wires to the wire connector.



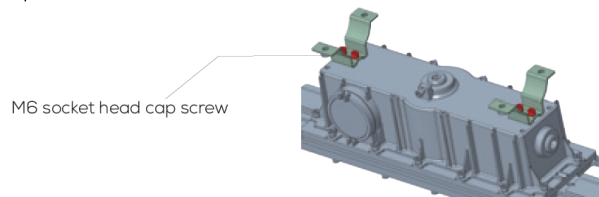
Ceiling / Wall Swivel mount:

Once mounted, the angle of the luminaire can be adjusted by loosening the M8 socket head cap screw on each side of the bracket. When loosening, do not back bolt out more than 5 full rotations. When the desired angle has been achieved, the bolts can be tightened to lock in the angle.
Torque: 10 N-m.

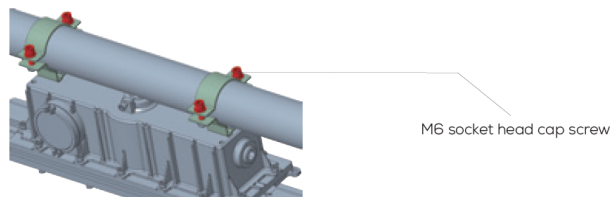


Pole mount:

Install the lower collar on the lamp body and lock it with M6 hexagon socket screws
Torque: 7 N-m

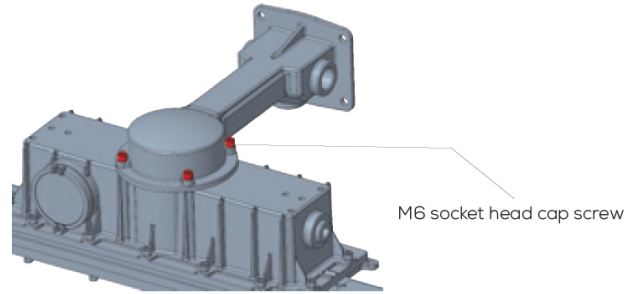


After it is installed on the pipe fitting, the upper collar is fixed and locked with M6 inner hexagon screws; Torque: 7 N-m



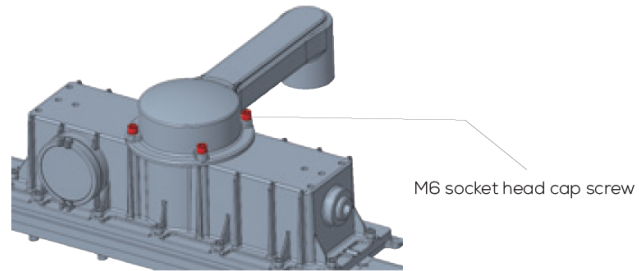
Slip Fitter (Wall):

1. Fix Slip Fitter to wall
2. Mount the luminaire; Torque: 7 N-m.
3. Connect wires to the wire connector.



Slip Fitter (Stanchion):

1. Fix Slip Fitter to pole.
2. Mount the luminaire; Torque: 7 N-m.
3. Connect wires to the wire connector.



Models:

Models GH; followed by LW; followed by -14,-10, -08,-07,-05,-03

Models	Power	Rated voltage	Ambient Temp
GHLW4-17-U GHLW4-17-N	100W	U:100-277V N:277-480V	(-40°C (-40°F) ~ +65 °C (149 °F))
GHLW4-14-U GHLW4-14-N	80W	U:100-277V N:277-480V	
GHLW4-10-U GHLW4-10-N	60W	U:100-277V N:277-480V	
GHLW4-07-U	40W	U:100-277V	
GHLW2-10-U GHLW2-10-N	60W	U:100-277V N:277-480V	
GHLW2-07-U	40W	U:100-277V	
GHLW2-05-U	30W	U:100-277V	
GHLW2-03-U	20W	U:100-277V	

