

CATALOG #:

TYPE:

PROJECT:



FEATURES

- Easily change the color temperature and lumen output on-site with built-in switches, providing ultimate flexibility
- Suited for high-ceiling spaces such as warehouses, cold storage, manufacturing, and gymnasiums
- IK09 impact-resistant housing withstands contact from debris and equipment
- IP65 rated against dust and water ingress
- 6kV integrated surge protection maintains operation through voltage spikes
- High efficacies up to 167 lm/W for greater energy savings
- Included eyebolt for immediate suspension mounting out of the box
- Optional surface mount yoke bracket allows up to 180° of aiming adjustability
- Reflector, sensor, and battery backup options available
- High-performance up to 167 lm/W

SPECIFICATIONS

- HOUSING – Die cast aluminum.
- SHIELDING – Clear polycarbonate lens.
- FINISH – Premium powder-coat.
- ELECTRICAL – High-quality mid-power LED boards. L70 >146,000 hours. 50/60 Hz constant current driver. Less than 20% THD and PF >0.90. 6kV internal surge protection, standard. -40°C to +50°C ambient operating temperature. 0°C to 50°C with EM battery.
- MOUNTING – Suspended using eyebolt, provided. 6' AC power and dimming cords included. Fixture weight is 3.7lbs for GFRS and 6lbs for GFRM.
- LISTINGS –
 - cULus listed as LED luminaire suitable for wet locations.
 - IP65 rated.
 - IK09 rated.
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, search HBRSR on the DLC Qualified Products List at www.designlights.org/QPL
- WARRANTY – 5-year limited warranty.

ORDERING EXAMPLE: GFRS - LS/8CS - PC - WHT - OPTIONS - DIM - UNV

SERIES	LUMENS ^[1]	CRI	CCT	SHIELDING
GFRS Small	LS Selectable lumens	8 80	CS Selectable CCT	PC Clear polycarbonate
GFRM Medium	GFRS: 16,000/18,000/22,000 GFRM: 24,000/30,000/35,000		4,000K/5,000K	

HOUSING FINISH	DRIVER	VOLTAGE
WHT White	DIM Dimming driver prewired for 0-10V low voltage applications	UNV 120-277V
BLK Black		

ACCESSORIES

Ordered separately, field installed. See page 3 for [ACCESSORY DETAILS](#).

EM/30W	30-watt emergency battery ^[2]
YOKE	Yoke mount ^[3]
PSH	Pendant snap hook
PCREF-S	90° polycarbonate reflector for GFRS
PCREF-L	90° polycarbonate reflector for GFRM
PH5	Passive infrared sensor, 39' max mounting height
HD05R	Remote controller for sensors
HV	347-480V with stepdown transformer

NOTES

- ¹ Lumens based on 80 CRI/5000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² CEC compliant.

- ³ Color matches Housing Finish.

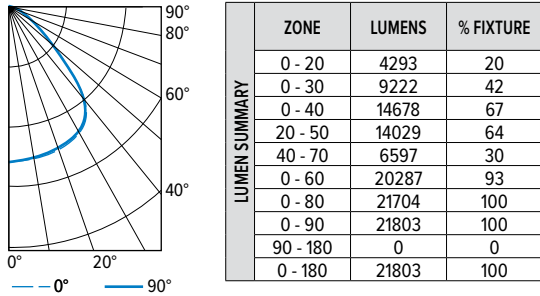
FIXTURE PERFORMANCE DATA

	WATTAGE SETTING	4000K			5000K		
		LUMEN OUTPUT	WATTAGE	EFFICACY (lm/W)	LUMEN OUTPUT	WATTAGE	EFFICACY (lm/W)
GFRS	Low	15,891	95	167	15,522	97	160
	Medium	18,790	115	163	18,218	118	154
	High	22,935	147	156	21,802	150	145
GFRM	Low	24,368	146	167	23,920	148	162
	Medium	30,801	192	160	29,953	196	153
	High	35,716	229	156	34,621	236	147

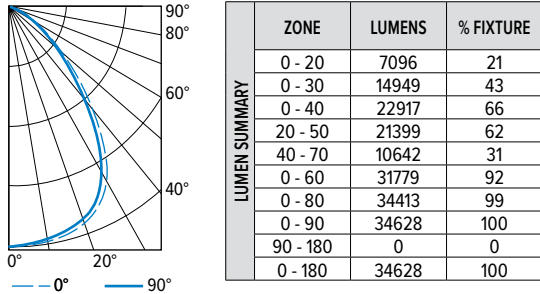
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/5000K CCT, wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.

PHOTOMETRY

GFRS-LS/8CS-PC Total Luminaire Output: 21,802 lumens; 150 Watts (High Wattage Setting) | Efficacy: 145 lm/W | 80 CRI; 5000K CCT

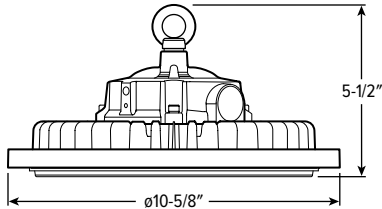


GFRM-LS/8CS-PC Total Luminaire Output: 34,621 lumens; 236 Watts (High Wattage Setting) | Efficacy: 147 lm/W | 80 CRI; 5000K CCT

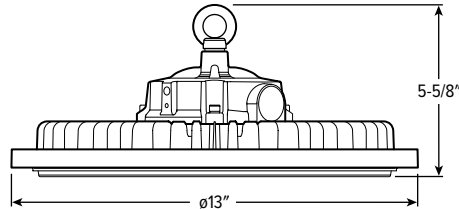


FIXTURE DETAILS

GFRS



GFRM



FIELDSELECT SWITCHES

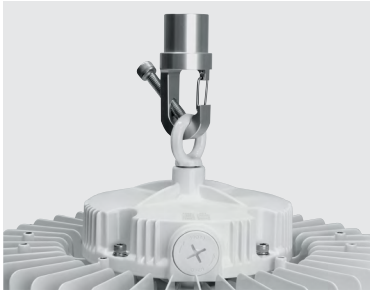


ACCESSORY DETAILS

YOKE



PENDANT SNAP HOOK



REFLECTOR



EM BATTERY



PH5 SENSOR

