



## HYPERLITE Rader Series LED High Bay Light Instruction Manual

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# HYPERLITE

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**RADAR SERIES**  
LED HIGH BAY LIGHT

## LED HIGH BAY LIGHT RADAR Series

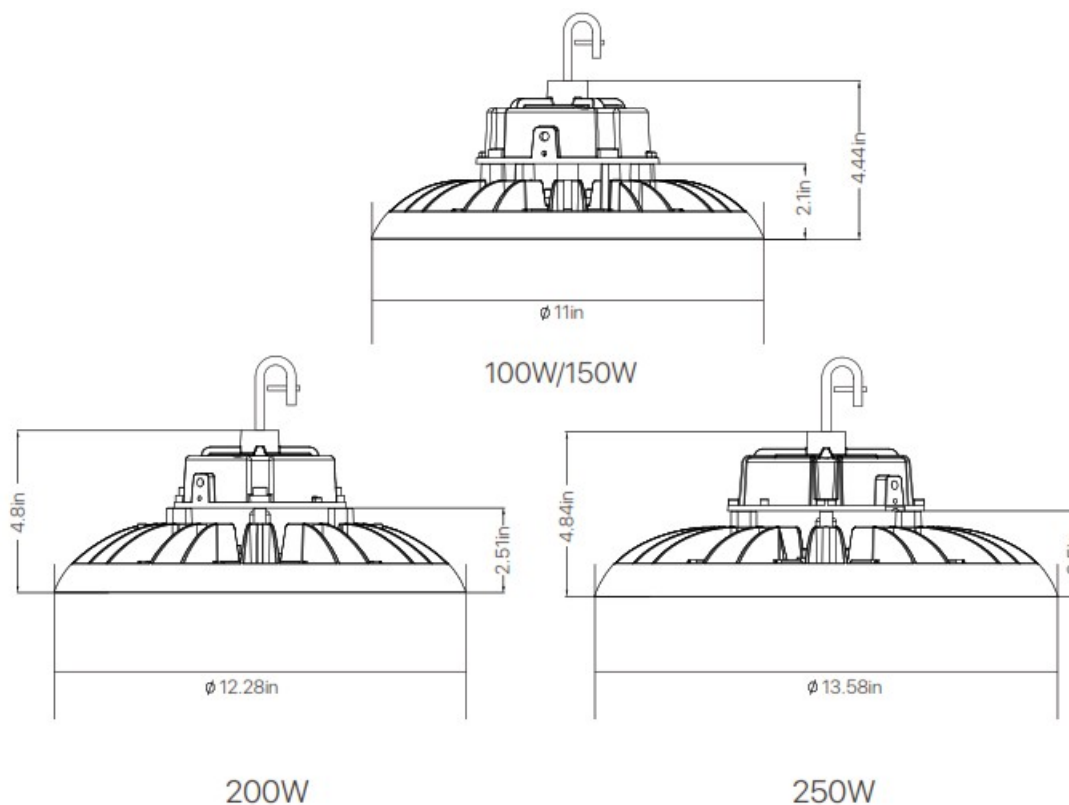


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## FEATURES & SPECIFICATIONS

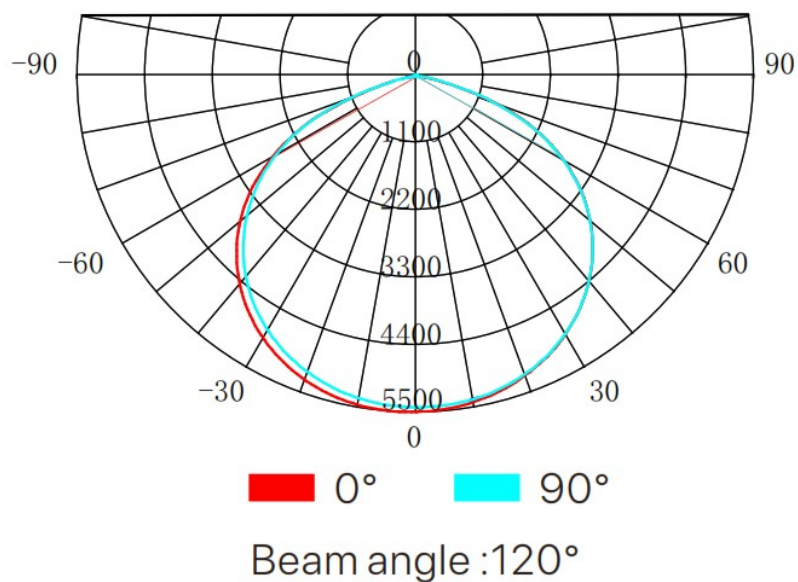
Performance Data		LS-THOR-1 00W	LS-THOR-150W	LS-THOR-200W	LS-THOR-250W
General	Lumens	14000 lm	21000 lm	28000 lm	35000 lm
	Efficacy	140 lm/W			
	CCT	5000K			
	Beam angle	120°			
	CRI	>80			
	LED	Lumileds 3030			
	Life span	>50,000 hours			
	Color finish	Black			
Electrical	Power	100W	150W	200W	250W
	Input voltage	100-277Vac,50/60Hz			
	Dimming	0-10V			
	Power factor	>0.9			
	Temperature	-22°F -113°F (-30°C to 45°C)			
Physical & Listing	Mounting	Hook			
	Listing	UL, cUL			
	Warranty	5 Years			



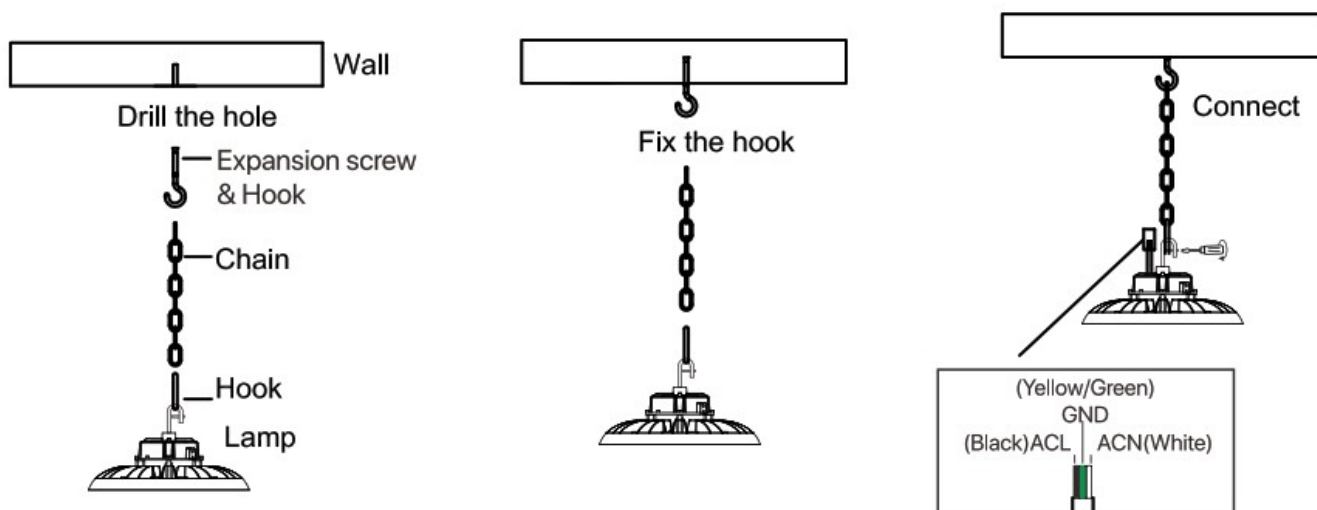
## PACKAGING INFORMATION

Model	Wattage	Net Weight	Gross Weight	CTN Size
LS- THOR-100W	100W	4.8± 1 lbs	6.2 ± 1 lbs	13"*13"*6.5"
LS- THOR-150W	150W	4.8 ± 1 lbs	6.2 ± 1 lbs	13"*13"*6.5"
LS- THOR-200W	200W	5.6 ± 1 lbs	8.0 ± 1 lbs	13.8"*13.8"*6.9"
LS- THOR-250W	250W	7.2 ± 1 lbs	10.1 ± 1 lbs	15.9"*15.9"*6.9"

## DISTRIBUTION



## INSTALLATION INSTRUCTIONS



## INTELLIGENT CONTROL SOLUTION



**Smart plug & play system for build-in sensor**

Without any wiring and tool, one second to assemble.



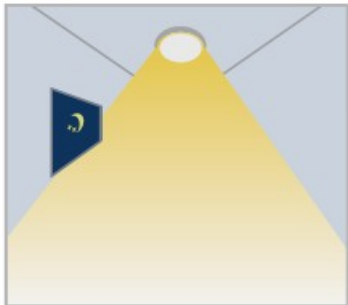

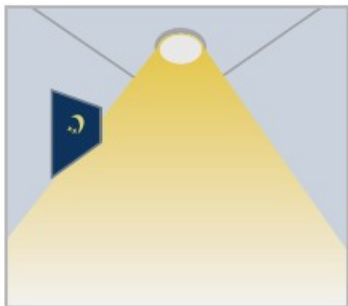
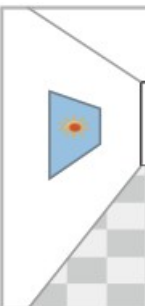
Motion sensor



Remote control

(Additional Purchase)

**APPLICATION——LUX ON/OFF**

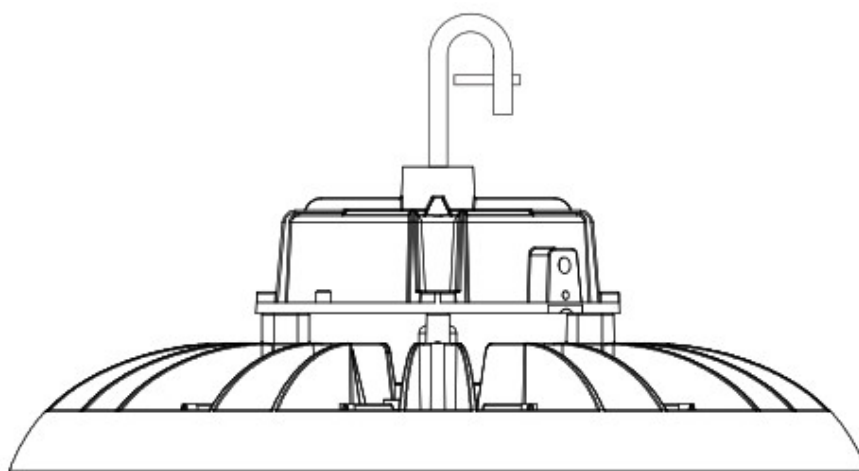
	
<p>Light automatically on when ambient brightness is lower than preset lux level.</p>	<p>With insufficient ambient brightness,</p>
	
<p>Light dims to standby level if no motion detected after holdtime.</p>	<p>Light off when ambient lux level is hi</p>

## **HYPERLITE** LED Luminaire

Industrial LED High Bay Lighting (RADAR Series)

### Features

- UL No E483348 Suitable for Wet Locations.



**ATTENTION**  
BEFORE YOU INSTALL  
Read these instructions completely and carefully.



**WARNING**  
RISK OF ELECTRIC SHOCK

- Turn power off before inspection, installation, or removal.
- Properly ground electrical enclosure.
- Follow all NEC and local codes.
- Use only UL or IEC-approved wire for input/output connections.

### Save These Instructions

Use only in the manner intended by the manufacturer.  
If you have any questions, contact the manufacturer.

### Prepare Electrical Wiring



#### Electrical Requirements


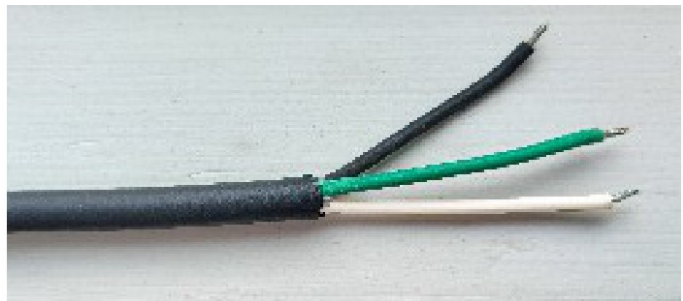
The LED driver must be supplied with 120VAC, 60Hz per product label, and connected to an individual properly grounded branch circuit, protected by a 15 or 20-ampere circuit breaker.



#### Grounding Instructions

The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

	<p>1. Please check that the plug is in good condition. Install and test the light fixture.</p>
	<p>2. Please connect the input wire in correct way, black wire to black, green wire to green, and white wire to white. Please also make sure the wire connection is fixed.</p>

### READ THOROUGHLY BEFORE INSTALLATION



**WARNING!** FIXTURES MUST BE GROUNDED and installed in accordance with the National Electrical Code and all local codes. Failure to do so may increase the RISK OF PERSONAL INJURY, PROPERTY DAMAGE, FIRE, AND DEATH.



**WARNING!** Dangerous voltage exist within the unit and all precautions usually observed in handling high



voltage equipment should be observed when replacing light engine or otherwise servicing luminaires. Disregarding this warning could result in electrical shock and possible injury to the individual installing or servicing this equipment. Installation, service, and maintenance of luminaires should be done by a qualified licensed electrician.



**CAUTION!** To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.



**NOTE!**

- This equipment is only for professional installation. Non-professional personnel shall not remove or install the equipment.
- To avoid damage, falling, electric shock or fire, please do not modify the lamp or replace accessories without confirming with the supplier.
- Maintenance/installation and replacement the lamps, please confirm to cut off the power supply, and the lamps have set up a cooling. Please make sure the lamps properly installed before processing power.
- Ensure the accurate and reliable connection.
- Ensure that the product around the vent, the lamp cannot violate any fire prevention regulations when using.

Carefully read these instructions before installing product and keep it for future reference. If you do not understand these instructions, before starting any work, contact [service01@hi-hyperlite.com](mailto:service01@hi-hyperlite.com) or (855) 688-7879.

## FOOTCANDLE LIGHT GUIDE

Footcandles are the most common unit of measure used by lighting professionals to calculate light levels in businesses and outdoor spaces. A footcandle is defined the illuminance on a one square foot surface from a uniform source of light. The Illuminating Engineering Society (IES) recommends the following footcandle levels to ensure adequate illumination and safety for occupants. Below is a guideline for common areas to assist in achieving appropriate light levels with the greatest energy-efficiency.

Building Area & Task	Average Maintained Footcandles (Horizontal) (FC)	Range of Maintained Footcandles (Horizontal) (FC)	Average Maintained Footcandles (Vertical) (FC)	Range of Maintained Footcandle s (Vertical) (FC)	Comments
WAREHOUSING & STORAGE					
Bulky Items—Large Labels	10		5		
Small Items—Small Labels	30		15		
Cold Storage	30-40	10-30	10	5-15	
Open Warehouse	30-40	10-30			
Warehouse w/Aisles	30-40	10-30		01-05-15	
COMMERCIAL OFFICE					



Open Office	40	30-50			@30" Above Finished Floor (AFF)
Private Office	40	30-50			@30" AFF
Conference Room	30				Matte surface reflectance for the table 40% recommended
Restroom	18	75-30			
Lunch & Break Room	15	5-20			
EDUCATIONAL (SCHOOLS)					
Classroom	40	30-50			@30" AFF
Gymnasium					
Class I (Pro or Div. 1 College)	125		30		
Class II (Div. 2 or 3 College)	80		20		
Class III (High School)	50		150		
Class IV (Elementary)	30		100		
Auditorium	75	03-10	5	2.5-10	
Corridor	25	Oct-40			
INDUSTRIAL/MANUFACTURING					
Assembly					
Simple (Large Item)	30		15	15-60	
Difficult (fine)	100	10-30	10	50-200	
Component Manufacturing					
Large	30	10-30	30	15-60	
Medium	70-80	25-100	50	25-100	
EXTERIOR					
Parking (Covered)	5				1FC min, 10:1 Max to Min Uniformity
Parking (Open) (Medium Activity)					
Lighting Zone 3 (Urban)	1.5	75-3	0.8	0.4-1.6	
Lighting Zone 2 (suburban)	1	0.5-2	0.6	0.3-1.2	
Gas Station Canopy	12.5	10 -15			

Safety (Building Exterior)	1	0.5-2			If security is an issue raise average level to 3
RETAIL					
General Retail (Ambient)		50			
Department Store	40	20 – 80	15	7.5-30	
Perimeter			75	35-150	
Accent Lighting (Displays)					3-10 times greater than ambient light levels
AUTOMOTIVE					
Showroom	70-80	25-100	10	7.5-30	
Service Area	50	25-10	30	15-30	
Sales Lot (Exterior)					
Lighting Zone 3 (Urban)	20	10-40	20	10-40	
Lighting Zone 2 (Suburban)	15	7.5-30	15	7.5-30	
GROCERY					
Circulation	20	10-40	7.5	3.5-15	
General Retail	70-80	25-100	20	10-40	
Perimeter			50	25-100	
BANKING					
ATM	20	Oct-40	15		Vertical at face of ATM

This guide is a collaborative effort of Energy Trust of Oregon and the Lighting Design Lab, Seattle, Washington.

#### NOTES:

- This guide is based on information gathered from the IES 'The Lighting Handbook' 10th Edition. It is highly recommended that all lighting professionals refer to the full IES guide when specifying lighting projects.
- At least half of users are in the 25 – 65 age range.
- Horizontal—horizontal plane that average maintained foot-candles are measured.
- Vertical—vertical plane the average maintained foot-candles are measured.
- It is the responsibility of the to determine and provide appropriate lighting levels for each space.

■ LED High Bay Light



Hero Black Series



Hero White Series



Radar Series



Saturn Series



Saturn Series



Will Series

■ LED Flood Light



Mars Series



Eyes Series



Groplanner O Series

■ Area Light & Canopy Garage Light



Top Series



Vega Series

■ LED Vapor Tight Light



Capsule Series

■ LED Wall Pack Light



Wall. E Series



Moon Series

■ Temporary Work Light



Hive Series

More products...




A good & brand new product. Congrats! Enjoy brighter life now. Feel free to contact us

Email: [service01@hi-hyperlite.com](mailto:service01@hi-hyperlite.com)

Toll-free number: +1(855) 688 7879

## Documents / Resources

	<p><a href="#">HYPERLITE Rader Series LED High Bay Light</a> [pdf] Instruction Manual Rader Series LED High Bay Light, Rader Series, LED High Bay Light</p>
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## References

-  [hyperlite.com](https://www.hyperlite.com)
- [H<sup>i</sup> Hyperlite | Best Shop Lights | FREE Layout & Shipping](#)

Manuals+.