



# HB80 SERIES

## Linear HO-T5 Fluorescent High Bay Luminaire

Fixture Type: \_\_\_\_\_

Job Information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### SPECIFICATIONS:

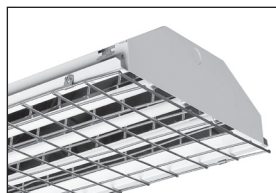
- The HB80 fluorescent high bay luminaire offers an alternative to the traditional HID high bay source and is now becoming the preferred method for high mounting height applications. Linear HO-T5 lamp and ballast technologies, advanced optics and ultra-high reflective materials, are built into a full housing luminaire design.
- Designed for warehouses, manufacturing facilities, big-box retail environments, and school gymnasiums that have high ceilings and wide open spaces. Use in new installations or as a direct replacement for older inefficient HID luminaires.
- Provides a high lumen energy saving package with the reliability and benefits of a fluorescent source and none of the disadvantages of an HID source.
- Ultra high efficiency: Over 98%, industrial style luminaire delivers 5000 initial lumens per each 54W-HO-T5 lamp used. Specify 2-, 3-, 4-, 5-, or 6-lamps.
- Energy consumption: A 4-lamp HO-T5 luminaire consumes about one-half the energy of a typical 400W metal halide high bay fixture while maintaining comparable light levels. Replaces an HID high bay on a one-to-one basis with dramatic energy savings.
- Lamp and ballast technology features: Up to 35,000-hour lamp life, highest energy savings, zero degree F starting temps, instant on/instant re-strike, sound rating a quiet "A", 93% lumen maintenance, 3000K, 3500K, and 4100K color temperatures, 85 CRI.
- Reflector: Luminaire design features a precision-formed multi-beveled Miro-4 enhanced aluminum reflector with a reflectivity of 95%. CAD designed to the corresponding number of lamps for maximum optics and performance. Other materials on request.
- Ballasts HO-T5: Full electronic, normal light output, high power factor. Programmed start, THD less than 10%, end-of-lamp life safety shut down feature. Up to 4-lamps per ballast is standard. Six-lamp luminaires to have one 4-lamp and one 2-lamp combination. Multi-volt 120V-277V/50HZ-60HZ is standard. Dedicated 120V/60HZ, 277V/60HZ, and 480V/60HZ are available. Multi-circuit wiring upon request.
- Emergency battery back up: Integrated packs range from 825 lumens up to 1600 lumens. Varies with lamp type.
- Housings: Die formed code gauge cold rolled steel permanently assembled with rivets and screws. Vented top for optimum ballast performance. Ample knockouts are provided. Quick wiring access plate provided. White enamel finish on all parts. Post painted powder coating on request. An all-aluminum housing is optional.
- Sockets: Miniature T5 bi-pin rotary locking type. Constructed from UV and heat resistant breakage-free polycarbonate.
- Occupancy sensors: Self-contained sensor mounts directly to luminaire. Provides occupancy control to individual luminaire with passive infrared technology. Reliable coverage up to 40Ft. height. Interchangeable lenses for 360 degree or aisle way pattern.
- Optional accessories: Ship separately; Wireguards, V hangers, stem sets, cable sets. Pre-installed; Y-shaped cable/paddle hangers. Wired-in; GLR or GMF fusing, 120V 18/3-SJT cord sets, 120V 16/3-SJT cord and NEMA L5-15P twist-lock plug set, 277V 16/3-SJT cord and NEMA L7-15P twist-lock plug set, flex sets.
- UL and CUL listed 1598 and bears their label. Suitable for dry locations or optional damp locations with UL Damp Label. Union made and labeled.



4-Lamp Unit



Optional Door Frame Assembly  
(See HB80/FR Series)



Optional Wireguard Assembly



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Fixture Type:

Job Information:

**ORDERING DATA:** Fill in boxes below with corresponding bold options.

Example: HB80-654-HO-T5-ELB-UNI-2B/42-EMPK/I320-OS

Series	No. of Lamps Cross/ Fixture Width	Lamp Wattage/Ea./ Fixture Length	Lamp Type	Ballast Type	Voltage	Number of Ballasts	Wired-In Options
<b>HB80</b> HB80 Fluorescent High Bay Luminaire	<b>2</b> Lamps/13-13/16"	<b>54</b> 54W-HO-T5-48"L	<b>HO-T5</b> Linear High Output T5	<b>ELB</b> HO-T5 Electronic Programmed Start, <10%THD, Up to 4-Lamps per Multi-Volt Ballast. Up to 4-Lamps per 480V Ballast.	<b>UNI</b> Universal Voltage, Multi-Volt 120V-277V 50HZ-60HZ.	<b>1B</b> 1-Ballast/Standard for all 2-, 3-, or 4-Lamp luminaires.	<b>EMPK/ISL54</b> ISL-54 or Equal 825 Lumens. One HO-T5 Lamp.
<b>HB80AL</b> HB80 All-Aluminum Fluorescent High Bay Luminaire	<b>3</b> Lamps/13-13/16"	Other Lamps As Specified.	Other Lamps As Specified.	<b>120V</b> 120V-60HZ/ Dedicated Voltage for Dimming, Cord Sets, Flex.	<b>2B/32</b> 2-Ballasts/Standard for all 5-Lamp luminaires. 3-Lamp/2-Lamp.	<b>EMPK/I320</b> I-320 or Equal 1150 Lumens. One HO-T5 Lamp.	<b>EMPK/I320</b> I-320 or Equal 1150 Lumens. One HO-T5 Lamp.
	<b>4</b> Lamps/13-13/16"			<b>277V</b> 277V-60HZ/ Dedicated Voltage for Dimming, Cord Sets, Flex.	<b>2B/42</b> 2-Ballasts/Standard for all 6-Lamp luminaires. 4-Lamp/2-Lamp.	<b>EMPK/ISL540</b> ISL-540 or Equal 1300 Lumens. One HO-T5 Lamp.	<b>EMPK/ISL540</b> ISL-540 or Equal 1300 Lumens. One HO-T5 Lamp.
	<b>5</b> Lamps/19-15/16"			<b>480V</b> 480V-60HZ.	<b>2B/11, 21, 22</b> 2-Ballasts/Optional for 2, 3, and 4-Lamp luminaires. 1-Lamp/1-Lamp, 2-Lamp/1-Lamp, 2-Lamp/2-Lamp.	<b>EMPK/I880</b> I-880 or Equal 1600 Lumens. One HO-T5 Lamp.	<b>EMPK/I880</b> I-880 or Equal 1600 Lumens. One HO-T5 Lamp.
	<b>6</b> Lamps/19-15/16"				<b>3B/222</b> 3-Ballasts/Optional for 6-Lamp luminaires. 2-Lamp/2-Lamp/2-Lamp.	<b>OS</b> Leviton OSFHU or Equal Occupancy Sensor. 360 Degree Lens Installed. Aisle Way Pattern Included. Others as Specified.	<b>OS</b> Leviton OSFHU or Equal Occupancy Sensor. 360 Degree Lens Installed. Aisle Way Pattern Included. Others as Specified.

## WIRE GUARDS: (Order Separately)

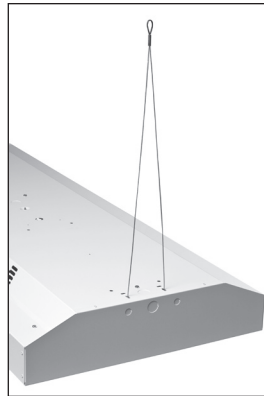
Example: EX: WG-HB80-654-11G-WHT

All Wire Guards Include 6-Mounting Clips & Screws

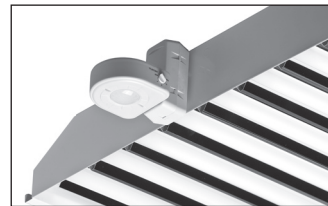
Series	Lamp Wattage/ Wire Guard Width	Wire Gauge	Finish
<b>WG-HB80</b> Wire Guard	<b>454</b> 4-Lamp Width	<b>9G</b> 9 Gauge Wire	<b>WHT</b>
	<b>654</b> 6-Lamp Width	<b>11G</b> 11 Gauge Wire	<b>CHR</b>
		<b>14G</b> 14 Gauge Wire	

## ACCESSORIES: (Order Separately)

Cat. #	Description
<b>VH</b> _____	V Hanger
<b>VH-48</b> _____	V Hanger w/48" Chain & S Hook
<b>S1-</b> _____ *	Single Stem Set* *Add Length



**CH**  
Y-Shaped Cable/  
Paddle Hanger



**OS**  
Sensor Detail

## PHOTOMETRICS:

Reports available upon request.

## DIMENSIONAL DATA/CROSS SECTION:

