

# HB80/FR SERIES

**Linear T8 Fluorescent  
High Bay Luminaire  
Door Framed Enclosure  
Cold Storage Capable**

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

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

## SPECIFICATIONS:

- The HB80/FR fluorescent high bay luminaire is an enclosed alternative to the traditional HID high bay source. Enclosure is a framed flat acrylic smooth clear diffuser or alternate. Suitable for cold storage facilities down to 0 degree F and for mounting heights up to 40ft.
- Designed for warehouses, food processing, manufacturing facilities, big-box retail environments, and school gymnasiums that have high ceilings and wide open spaces. Use in new installations or as direct replacement for older inefficient HID luminaires.
- Linear T8 lamp and ballast technologies are combined with ultra-high reflective materials to create superior optics and a very high performing and reliable luminaire. Provides many advantages over the HID source.
- Ultra high efficiency: Over 98%, industrial style luminaire delivers up to 3540 initial lumens per each 32W-T8-82 CRI "800" series lamp when used with a 1.2 ballast factor high-light output ballast. Specify 2-, 3-, 4-, 5-, or 6-lamps.
- Energy consumption: A 6-lamp luminaire using two 3-lamp high-light output ballasts 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 30,000-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, 82 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 T8: Full electronic, instant start, normal light output, high power factor. THD less than 10%. Up to 4-lamps per ballast is standard. Six-lamp luminaires to have one 4-lamp and one 2-lamp combination as standard or optional two 3-lamp ballasts. Optional T8 performances: rapid start, high-light output, low watt. 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 500 lumens up to 2000 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. Powder coated white finish on all parts. An all-aluminum housing is optional.
- Enclosures: Hinged and latched steel frame capable of swinging down for re-lamping. ASC/acrylic smooth clear lens is standard. Others diffusers are cataloged. Double gasketed enclosure is optional.
- Sockets: 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 Wireguard Assembly



# HB80/FR SERIES Linear T8 Fluorescent High Bay Luminaire Door Framed Enclosure Cold Storage Capable

Fixture Type:

Job Information:

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

Example: HB80FR-632-OCT-ELBH-UNI-2B/33-ASC-EMPK/I320-0S

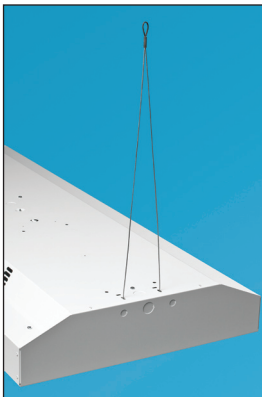
Series	No. of Lamps Cross/ Fixture Width	Lamp Wattage/Ea./ Fixture Length	Lamp Type	Ballast Type	Voltage	Number of Ballasts	Frame/Diffuser Options	Wired-In Options
<b>HB80FR</b> HB80FR Fluorescent Enclosed High Bay Luminaire  <b>HB80FRAL</b> HB80FR All-Aluminum Fluorescent Enclosed High Bay Luminaire	<b>2</b> Lamps/13-13/16"  <b>3</b> Lamps/13-13/16"  <b>4</b> Lamps/13-13/16"  <b>5</b> Lamps/20"  <b>6</b> Lamps/20"	<b>32</b> 32W-T8-48"L  Other Lamps As Specified.	<b>OCT</b> Octron T8  Other Lamps As Specified.	<b>ELB</b> T8 Electronic Instant Start, Normal Light Output, <10%THD, Up to 4-Lamps/ Ballast.  <b>ELBH</b> T8 Electronic Instant Start, High Light Output, <10%THD, Up to 4-Lamps/ Ballast.  <b>ELBL</b> T8 Electronic Instant Start, Low Watt, <10%THD, Up to 4-Lamps/Ballast.  <b>ELBS</b> T8 Electronic Rapid Start, <10% THD, Up to 4-Lamps/Ballast.	<b>UNI</b> Universal Voltage, Multi-Volt 120V-277V 50HZ-60HZ.  <b>120V</b> 120V-60HZ/ Dedicated Voltage for Dimming, Cord Sets, Flex.  <b>277V</b> 277V-60HZ/ Dedicated Voltage for Dimming, Cord Sets, Flex.  <b>480V</b> 480V-60HZ.	Leave Blank For 1-Ballast/ Standard for all 2-, 3-, or 4-Lamp Luminaires.  <b>2B/32</b> 2-Ballasts/Stand- ard for all 5-Lamp Luminaires. 3-Lamp/2-Lamp.  <b>2B/42</b> 2-Ballasts/Stand- ard for all 6-Lamp Luminaires. 4-Lamp/2-Lamp.  <b>2B/33</b> 2-Ballasts/Opti- onal for 6-Lamp Luminaires. 3-Lamp/3-Lamp.  <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>3B/222</b> 3-Ballasts/Opti- onal for 6-Lamp Luminaires. 2-Lamp/2-Lamp/2- Lamp.  Other Combinations as Specified.	<b>ASC</b> ASC .100 Acrylic Smooth Clear Diffuser.  <b>PSC</b> PSC .118 Unbreakable Polycarbonate Smooth Clear Diffuser.  <b>9A</b> 9A .095 Acrylic Prismatic Diffuser.  <b>9A.125</b> 9A .125 Acrylic Prismatic Diffuser.  <b>ASW</b> ASW .100 Acrylic Smooth White Diffuser.  <b>9LEX</b> 9LEX .125 Unbreakable Polycarbonate Prismatic Diffuser.  Other Diffusers as Specified.	<b>EMPK/I32</b> I-32 or Equal 500 Lumens. One T8 Lamp.  <b>EMPK/I48</b> I-48 or Equal 700 Lumens. One or Two T8 Lamps.  <b>EMPK/I320</b> I-320 or Equal 1350 Lumens. One or Two T8 Lamps.  <b>EMPK/I880</b> I-880 or Equal 2000 Lumens. One or Two T8 Lamps.  <b>EMPK/I232</b> I-232 or Equal 1400 Lumens. Two T8 Lamps.  <b>OS</b> Leviton OSFHU or Equal Occupancy Sensor. 360 Degree Lens Installed. Aisle Way Pattern Included. Others as Specified.  <b>18/3CP</b> 120V 18/3 SJT Cord & Plug Set/Others on Request.  <b>16/3CTP</b> 120V 16/3 SJT Cord & NEMA L5-15P Twist-Lock Plug Set/ Others on request.  <b>277-16/3CTP</b> 277V 16/3 SJT Cord & NEMA L7-15P Twist-Lock Plug Set/ Others on Request.  <b>FLX</b> 6FT 120V or 277V Flex.  <b>FLX/2</b> 6FT 120V or 277V 2-Circuit Flex.  <b>GLR/Fusing</b> <b>GMF/Fusing</b> <b>CH</b> (2) Y-Shaped Cable/ Paddle Hangers Pre-Installed.

**WIRE GUARDS:** (Order Separately)

Example: 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>654</b> 6-Lamp Width	<b>9G</b> 9 Gauge Wire  <b>11G</b> 11 Gauge Wire  <b>14G</b> 14 Gauge Wire	<b>WHT</b> <b>CHR</b>



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



**OS**  
Sensor Detail

**ACCESSORIES:** (Order Separately)

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

**PHOTOMETRICS:**

Reports available upon request.

**DIMENSIONAL DATA/CROSS SECTION:**

