



HB80EC SERIES

Linear T8 2-, 3-, 4-, 5-, or 6-Lamp Fluorescent High Bay Luminaire

Fixture Type: _____

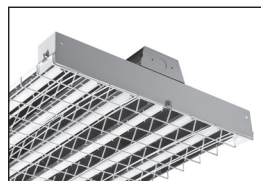
Job Information: _____

SPECIFICATIONS:

- The HB80EC 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 T8 lamp and ballast technologies, advanced optics and ultra-high reflective materials, are built into a new cooler operating open 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 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 up to 3540 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-lamp fixtures.
- Energy consumption: A 6-lamp luminaire using two 1.2 ballast factor 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 HID high bay on a one-to-one basis with reduced energy costs.
- 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: Full electronic, instant start, normal light output, high power factor. THD less than 10%. Up to 4-lamps per multi-volt ballast, 120V-277V/50HZ-60HZ. Five-lamp fixtures to have one three-lamp and one two-lamp. Six-lamp fixtures to have as standard one 4-lamp and one 2-lamp ballast. Optional two 3-lamp ballasts. Optional T8 performances: rapid start, high-light output, low watt. Other ballasts upon request. Multi-circuit wiring upon request. 480V/60HZ ballasts available.
- Emergency battery back up: Integrated pack for 500, 700, 1350, 1400, or 2000 lumen output.
- 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 patterns. Lens for 360 degree detection provides 2:1 spacing to mounting height under 25Ft., and 1.5:1 for heights up to 40Ft. Aisle lens provides detection of 60Ft. long by 20Ft. wide for heights up to 40Ft.
- Housings: Fabricated from code gauge cold rolled steel permanently assembled with rivets and screws. Ample knockouts are provided. Quick wiring access plate provided. Powder coated white finish on all parts.
- Sockets: T8 quarter-turn bi-pin rotary locking type. Constructed from UV and heat resistant breakage-free polycarbonate.
- Optional uplighting: Apertured reflector allows approximately 10% uplighting to reduce harsh contrasting with completely dark ceilings.
- Optional accessories: Ship separately; Wireguards, V hangers, stem sets, cable sets. 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 Detail



Optional Wire Guards



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Fixture Type:

Job Information:

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

Example: HB80EC-632-OCT-ELBH-UNI-2B/42-EMP/1320-OS

Series	No. of Lamps Cross/ Fixture Width	Lamp Wattage/Ea./ Fixture Length	Lamp Type	Ballast Type	Voltage	Number of Ballasts	Fixture Options	Wired-In Options
HB80EC Fluorescent High Bay Luminaire	2 Lamps/12.5"W	32 32W-T8-48"L Other Lamps As Specified.	OCT Octron T8 Other Lamps As Specified.	ELB T8 Electronic Instant Start, Normal Light Output, <10%THD, Up to 4-Lamps/ Ballast. ELBH T8 Electronic Instant Start, High Light Output, <10%THD, Up to 4-Lamps/Ballast. ELBL T8 Electronic Instant Start, Low Watt, <10%THD, Up to 4-Lamps/Ballast. ELBS T8 Electronic Rapid Start, <10% THD, Up to 4-Lamps/ Ballast.	UNI Universal Voltage, Multi-Volt 120V-277V 50HZ-60HZ. 120V 120V-60HZ/Dedicated Voltage for Dimming, Cord Sets, Flex. 277V 277V-60HZ/Dedicated Voltage for Dimming, Cord Sets, Flex. 480V 480V-60HZ.	1B 1-Ballast/2-, 3-, or 4-Lamps. 2B/42 2-Ballasts/6-Lamps. Standard with 4-Lamp/2-Lamp Combination. 2B/32 2-Ballasts/5-Lamps. Standard with 3-Lamp/2-Lamp Combination. 2B/33 2-Ballasts/6-Lamps. Optional with 3-Lamp/3-Lamp Combination. 3B/222 3-Ballasts/6-Lamps. Optional with 2-Lamp/2-Lamp/ 2-Lamp Combination.	Leave Blank For No Option. 10% 10% Uplighting/ Apertured Reflector.	EMP/132 I-32 or Equal 500 Lumens, One T8 Lamp. EMP/148 I-48 or Equal 700 Lumens, One or Two T8 Lamps. EMP/1320 I-320 or Equal 1350 Lumens, One or Two T8 Lamps. EMP/1232 I-232 or Equal 1400 Lumens, Two T8 Lamps. EMP/I880 I-880 or Equal 2000 Lumens, One or Two T8 Lamps. OS/360 Leviton OSFHU or Equal Occupancy Sensor, 360 Degree Lens Installed. Others as Specified. OS/Aisle Leviton OSFHU or Equal Occupancy Sensor, Aisle Lens Installed. Others as Specified.
	3 Lamps/12.5"W							
	4 Lamps/12.5"W							
	5 Lamps/18.5"W							
	6 Lamps/18.5"W							



Optional Sensor

WIRE GUARDS: Order Separately

All Wire Guards Include Mounting Clips & Screws
EX: WG-HB80EC-654-11G-WHT

Series	Lamp Wattage/ Wire Guard Width	Wire Gauge	Finish
WG-HB80EC Wire Guard	454 4-Lamp Width	9G 9 Gauge Wire	WHT CHR
	654 6-Lamp Width	11G 11 Gauge Wire	
		14G 14 Gauge Wire	

ACCESSORIES: Order Separately

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

18/3CP 120V 18/3 SJT Cord & Plug Set/Others on Request.
16/3CTP 120V 16/3 SJT Cord & NEMA L5-15P Twist-Lock Plug Set/ Others on request.
277-16/3CTP 277V 16/3 SJT Cord & NEMA L7-15P Twist-Lock Plug Set/ Others on Request.
FLX 6FT 120V or 277V Flex.
FLX/2 6FT 120V or 277V 2-Circuit Flex.
GLR/Fusing
GMF/Fusing

DIMENSIONAL DATA / CROSS SECTIONS:

