

Fluorescent High Bay D

Specification-Grade Wide Housing, Narrow Beam Welded Luminaire

Project
Туре
Date
Cat #

Application Features

Specification-grade high or low bay luminaire. For use with indoor applications where high-efficiency, high-performance and ease of installation are required. This luminaire's wide body and narrow beam light distribution makes it ideal as an HID alternative or replacement. Operating maximum ambient temperature is 40 degree celcius for standard unit.



Specifications

Optical System

CNC brake-formed, multi-faceted optimized reflector is available in a variety of finishes, materials and configurations. Specular aluminum reflector with a minimum reflectance of 95% is standard. The protective layer provided is to be removed during installation which ensures a clean, blemish-free reflective surface. Prismatic and optically clear lens is available.

Mounting

Optional mounting bracket must be used with stem mounting. Knockout is provided for single stem mounting (1/2" trade or 3/4" rigid pipe). Designed for suspended or chain mounting. Optional stem and canopy sets are available in multiples of six inches. Optional pendant mounting bracket available (M07).

Construction

CNC brake-formed, code gauge steel housing and ends. Return lip on housing and welded end plates provides exceptional rigidity. Optional wireguard and lens are securely retained by a rigid door frame assembly. Optional welded wireguard is recommended for gymnasium applications, which includes door frame screws for increased product performance and security included.

Finish

White, polyester powder painted housing.

Electrical

Rotary lampholders ensure positive lamp retention. Sufficient knockouts are provided for connections and through wiring.

Approvals

Approved to CSA and UL standards.

Features

- Replaces 250 or 400 watt HID luminaires
- Up to 50% energy savings compared to equivalent metal halide luminaire
- Available in 48 and 96 inch nominal lengths
- Available with 4, 5, 6 or 8 lamps (T5 and T8 configurations)

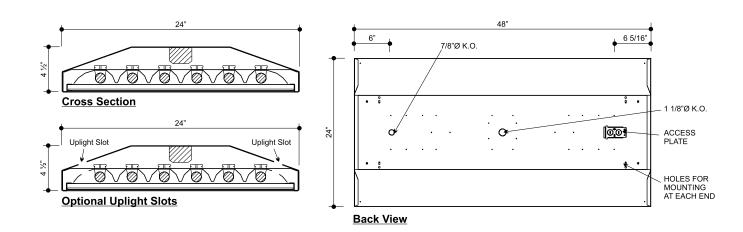
Options & Adders

- Door frame with prismatic or optically clear lens available in polycarbonate or acrylic
- Multi-level switching
- · Dimmable and Emergency ballast
- Radio interference filter (120V 277V)
- Door frame with wireguard
- Pendant mounting stems and hardware
- Motion sensor and assembly
- Aircraft Cable
- Uplight component

Applications

- Gymnasiums
- Manufacturing and Warehouse Areas
- Multi-Purpose Rooms
- Retail Stores and Supermarkets

Dimensions



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FHBD Fluorescent High Bay D

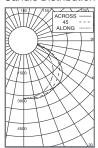


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Photometrics - FHBD448-T5HO54PUNV-P12 - Efficiency 88.0%

Candle Distribution



Luminance Summary-CD. / SQ. M.

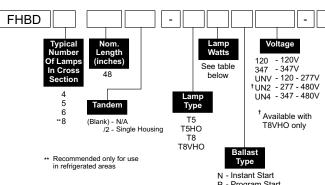
ANGLE	ALONG	45	ACROSS
45	8053	7690	7145
55	7363	6685	5880
65	6381	5240	4744
75	4691	3899	3706
85	1301	710	195

Candle Power Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0 - 30	4902	27.70	31.48
0 - 40	7861	44.42	50.49
0 - 60	13119	74.12	84.25
0 - 90	15572	87.98	100.00
40 - 90	7710	43.56	49.51
60 - 90	2452	13.86	15.75
90 - 180	0	0.00	0.00
0 - 180	15572	87.98	100.00

Options

Ordering



Program Start R - Rapid Start

Ballast Options (See Option Code Section For More Information)

B02	Dimming Addressable Digital (dali)
B03	Dimming Low Voltage (0-10v)
B04	Dimming Line Voltage

□ B08
□ B09
□ B30 High Ballast Factor Low Ballast Factor

B30 Emergency Lighting Battery Pack Spec Grade B33 Emergency Lighting Battery Pack 1-lamp Emergency Lighting Battery Pack 2-lamp B34

Housing Construction Options

Uplight Slots (select uplight reflector option also) C27

Packaging Options

K0 Pack Bulk/ Pallet Packed and/or Wrapped

Mounting Options

M07	Mounting Bracket for Pendant Mounting
M10(xx)	Mounting Chain Set (specify length (xx) in ft)
M16(xx)	Mounting Pendant (3/4-in IP (1-in OD)

(must be ordered with the V12 Option) ☐ M33(xx)

Mounting Stem and Canopy Set 1/2-in NPT (7/8-in OD) (specify length (xx) 6-in increments)
Mounting Deck Plate Ribbed Square
Aircraft Cable "Y" (120-in standard length) M35 П

<u>Lens Options (Select One Only)</u> (Includes Door Frame Standard "Light Lok" Hinged)

P05 Clear Acrylic Lens P07

Clear Polycarbonate Lens P12

Prismatic Acrylic Lens (P12) Prismatic Polycarbonate Lens (P12) P16 P45

Clear Polycarbonate Lens - .125" Thick

Reflector Options (Reflector VF1 Solid Full Specular Aluminum with 95% Reflectance is Standard)

Reflector Slotted Aluminum (92% White) Reflector Solid Aluminum R02

П R05

(92% White)
Reflector VF1 Slotted Full Specular □ VF3

(95% Reflectance)

Example:

FHBD648-T5HO54PUNV-P07

Lamp Watts

	Nominal Lamp Watts			
Length	T5	T5HO	T8	T8VHO
48	28	54	32	84

Other options may be available consult factory. Specifications and data subject to change without notice.

Wiring Options

- V08 V12
- Flexible Feed Cord (single circuit only) 6ft Standard Metal Hub for 3/4-in Thread Pipe (1-in OD) Motion Sensor With Enclosure Assembly
- V21
- V25 Radio Interference Filter Wiring 2-Circuit Cord V32
- V33 V34 Wiring 2-Switch Leads Wiring 3-Circuit Cord
- V35 Wiring 3-Switch Leads

Wireguard Options (Select One Only)
(Includes Door Frame Standard "Light Lok" Hinged)

Wireguard Heavy Duty Painted □ W8

Wireguard Heavy Duty Welded (Recommended For Gymnasium/Recreational Use)

Approval and Rating Options

Dual CSA/USA Market □ X7

Lamp Options

□ Z1 Lamps Installed (specify type)