

Project
Type
Date
Cat #

Application Features

Specification-grade high or low bay luminaire. For use with demanding indoor arena, recreation center and gymnasium applications where high-efficiency, high-performance and ease of installation are required. This luminaire's wide body design and wide beam light distribution makes it ideal as an HID alternative or replacement.



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. Optional clear polycarbonate lens is available.

Mounting

Designed for suspended or chain mounting.

Construction

CNC brake-formed, code gauge steel housing and ends. Return lip on housing and welded end plates provides exceptional rigidity. Clear high-impact formed acrylic lens, heavy-duty wireguard and door frame are securely retained by a 48 inch piano hinge for added rigidity.

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

- Up to 50% energy savings compared to equivalent metal halide luminaire
- Welded steel housing with a high-reflectance powder coated housing (white)
- One-piece, heavy-gauge piano hinged door frame with two positive action stainless steel cam latches
- Clear, heavy-gauge smooth high-impact acrylic diffuser and wireguard
- Available in T5 and T8 configurations

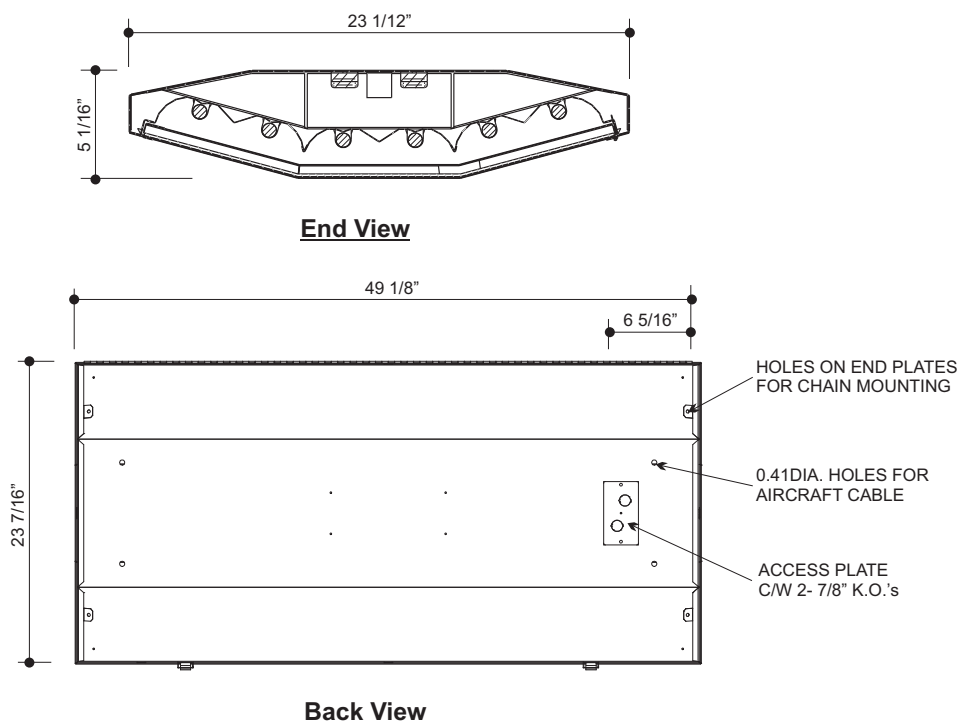
Options & Adders

- 92% high-performance white aluminum reflector available
- Multi-level switching
- Dimmable and Emergency ballast
- Framed optically clear polycarbonate lens
- Radio interference filter (120V - 277V)

Applications

- Athletic Centers
- Gymnasiums
- Garage and Workshops
- Manufacturing and Warehouse Areas

Dimensions



FHBX

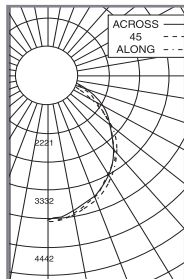
Fluorescent High Bay X

Specification-Grade Wide Body, Wide Beam Enclosed Luminaire



Photometrics - FHBX648-T832N120-B08B59VF1 - Efficiency 72.3%

Candle Distribution



Luminance Summary-CD. / SQ. M.

ANGLE	ALONG	45	ACROSS
45	6389	6177	6326
55	5541	5649	6080
65	4263	5109	5838
75	2325	4018	5110
85	94	3144	4930

Candle Power Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0 - 30	3744	21.16	29.24
0 - 40	6042	34.14	47.18
0 - 60	10339	58.42	80.74
0 - 90	127961	72.30	99.93
40 - 90	6754	38.16	52.75
60 - 90	2457	13.88	19.19
90 - 180	9	0.05	0.07
0 - 180	12805	72.34	100.00

Ordering

FHBX			-				-		Options
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**Typical
Number
Of Lamps
In Cross
Section**

4
5
6
8 *

Nom. Length (inches)
48

48

Lamp
Watts

See table
below

Lamp

Type
T5
T5HO
T8
T8VHO

Voltage

120 - 120V
347 - 347V
UNV - 120 - 277V
UN2[†] - 277 - 480V
UN4 - 347 - 480V

† Available with T8VHO only

Ballast Type	Ballast Weight (lb)	Ballast Volume (ft³)	Ballast Density (lb/ft³)
Standard	100	1.0	100
Heavy	150	1.0	150
Light	50	1.0	50

N - Instant Start
P - Program Start
R - Rapid Start

Ballast Options

Bandset Options
(See Option Code Section For More Information)

- ☐ B02 Dimming Addressable Digital (dali)
- ☐ B03 Dimming Low Voltage (0-10v)
- ☐ B04 Dimming Line Voltage
- ☐ B08 High Ballast Factor
- ☐ B09 Low Ballast Factor
- ☐ B30 Emergency Lighting Battery Pack Spec Grade
- ☐ B33 Emergency Lighting Battery Pack 1-lamp
- ☐ B34 Emergency Lighting Battery Pack 2-lamp

Mounting Options

- ☐ M10(xx) Mounting Chain Set (specify length (xx) ft)
- ☐ M35 Mounting Deck Plate Ribbed Square
- ☐ M36 Aircraft Cable "Y" (48-in standard length)
- ☐ M49 Mounting Box for Single Pendant

Lens Options

(Clear high impact acrylic lens is standard)

- ☐ P45 Clear Polycarbonate Lens - .125" Thick
- ☐ P56 Clear Acrylic Lens - .125" Thick

Reflector Options

(VF1 Solid Full Specular is Standard)

- ☐ R05 Reflector Solid Aluminum
(92% White)

Wiring Options

- ☐ V08 Flexible Feed Cord (single circuit only) 6ft Standard
- ☐ V21 Motion Sensor With Enclosure Assembly
- ☐ V25 Radio Interference Filter
- ☐ V31 V31 Wiring 1-Switch Lead
- ☐ V32 V32 Wiring 2-Circuit Cord
- ☐ V33 V33 Wiring 2-Switch Leads
- ☐ C35 V35 Wiring 3-Switch Leads
- ☐ V38 V38 Wiring 4-Switch Leads

Approval and Rating Options

- ☐ X7 Dual CSA/USA Market

Example:

FHBX648-T5HO54PUNV-P56

Lamp Watts

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

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