



Specification-Grade Wide Beam Welded Luminaire With Wireguard And Door Frame Options

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 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. Prismatic and optically clear lens is available. Optional uplight component 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. The optional welded wireguard is recommended for gymnasium applications, which includes door frame screws for increased product performance and security.

#### Finish

White, polyester powder painted housing.

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, 400 or 1000 watt HID **luminaires**
- Up to 50% energy savings compared to equivalent metal halide luminaire
- · Heavy-duty construction
- Optional wireguard hinges for easy maintenance
- Available with 3, 4, 6, 8, 9 or 10\* lamps (\*T5 only)
- Available in T5 and T8 configurations

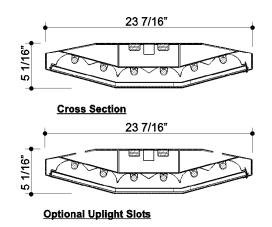
# Options & Adders

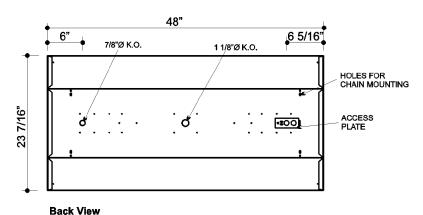
- Multi-level switching
- · Dimmable and Emergency ballast
- · Pendant mounting stems and hardware
- Radio interference filter (120V 277V)
- · Door frame with wireguard
- · Aircraft cable
- Motion sensor and assembly

# Applications

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

# **Dimensions**





Visioneering 35 Oak St. Toronto, ON M9N 1A1 Phone: (416)245-7991 Fax: (416)245-4778 | www.viscor.com | Visioneering is a Viscor Inc. brand

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# **FHBE** Fluorescent High Bay E

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#### Candle Distribution



Luminance	Summary-C	D. / SQ.	M.
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Photometrics - FHBE448-T5HO54PUNVP12 - Efficiency 83.4%

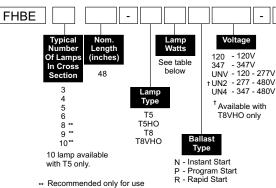
	,		
ANGLE	ALONG	45	ACROSS
45	5913	6867	7697
55	5717	7550	8513
65	5259	8223	8915
75	4222	7745	6838
85	1102	5397	6694

#### Candle Power Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0 - 30	3303	18.77	22.50
0 - 40	5564	31.62	37.90
0 - 60	10705	60.83	72.91
0 - 90	14671	83.36	99.92
40 - 90	9107	51.75	62.03
60 - 90	3966	22.54	27.01
90 - 180	11	0.07	0.08
0 - 180	14683	83.43	100.00

Options

## Ordering



in refrigerated areas

### Ballast Options

(See Op	tion Code Section For More Information)
B02	Dimming Addressable Digital (dali)
B03	Dimming Low Voltage (0-10v)
B04	Dimming Line Voltage
DAG	High Ballagt Easter

B08 B09 Low Ballast Factor B30

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

### **Housing Construction Options**

☐ C27 Uplight Slots (select uplight reflector option also)

### **Packaging Options**

□ K0 Pack Bulk/ Pallet Packed and/or Wrapped

### **Mounting Options**

$\Box$	IVIU /	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)
	M35	Mounting Deck Plate Ribbed Square
	M36	Aircraft Cable "V" (120 in standard longth

Aircraft Cable "Y" (120-in standard length)

#### Lens Options (Select One Only)

(Includes	Door Frame	Standard	"Light Lok"	Hinged

Ш	P05	Clear Acrylic Lens
	P07	Clear Polycarbonate Lens
	P12	Prismatic Acrylic Lens (P12

Prismatic Acrylic Lens - .125" Thick Prismatic Polycarbonate Lens (P12) P13 P16 P45 Clear Polycarbonate Lens - .125" Thick

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

Reflector Slotted Aluminum □ R02

(92% White) Reflector Solid Aluminum ☐ R05

(92% White) □ VF3

Reflector VF1 Slotted Full Specular (95% Reflectance)

#### Wiring Options

□ V08	Flexible Feed Cord (single circuit only) 6ft Standard
□ V12	Metal Hub for 3/4-in Thread Pipe (1-in OD)

Motion Sensor With Enclosure Assembly

V21 V25 Radio Interference Filter Wiring 1-Switch Lead V31

Wiring 2-Switch Leads V33 V35 Wiring 3-Switch Leads V38 Wiring 4-Switch Leads

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

Wireguard Heavy Duty Painted W1 □ W8 Wireguard Heavy Duty Welded (D13 Included) (Recommended For Gymnasium/Recreational Use)

#### **Approval and Rating Options**

Dual CSA/USA Market □ X7

### Lamp Options

Lamps Installed (specify type) □ Z1

# Example: FHBE648-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.