Project		Catalog #		Type	
Prepared by		Notes		Date	

Metalux

OHB LED High Efficacy

LED High Bay Efficiency Luminaire

Typical Applications

Industrial • Commercial • Manufacturing • Food Processing • Sports / Multi-Purpose

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Connected Systems page 5
- Product Warranty

Product Certification

Product Features

Connected Systems

damp location

MWS MODULAR WIRING SYSTEM CLICK HERE

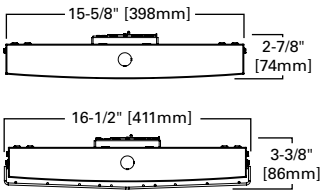
LINEAR DISCONNECT Safe and convenient means of disconnecting power

Top Product Features

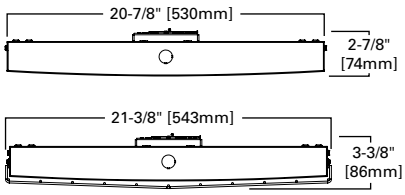
- Precision designed optical performance
- Offered in both standard and high efficacy versions
- High performance efficacy up to 210 lm/W
- Efficient 1-for-1 replacement of linear fluorescent & HID fixtures
- Lumen packages – 12K, 15K, 18K, 24K, 30K, 36K, 48K, 60K
- Narrow, medium, and wide distribution
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details

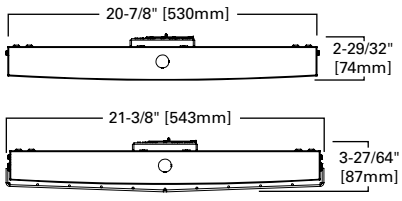
OHB-12HE, 15HE, 18HE



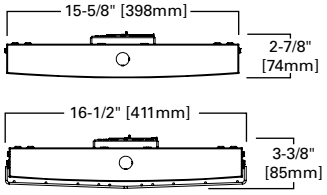
OHB-24HE, 30HE



OHB-48HE, 60HE



OHB-36HE



additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **OHB-24HE-MFL-UNV-L840-CD-U** Includes V Hangers for rapid installation

Domestic Preferences	Series	Revision	Lumen Packages/ High Efficacy	Distribution/Shielding	Voltage	CCT/CRI
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**OHB**=Optimized High Bay	**[Blank]**	**12HE**=12,000 Lumens **15HE**=15,000 Lumens **18HE**=18,000 Lumens **24HE**=24,000 Lumens **30HE**=30,000 Lumens **36HE**=36,000 Lumens **48HE**=48,000 Lumens **60HE**=60,000 Lumens (3)	**N**=Narrow **MFL**=Medium Frosted **MCL**=Medium Clear **W**=Wide **NL**=No Lens (4)	**120V**=120 Volt **277V**=277 Volt **347V**=347 Volt **480V**=480 Volt **UNV**=Universal Voltage 120-277 **UNC**=Universal Voltage 347/480	**L730**=70CRI / 3000K **L735**=70CRI / 3500K **L740**=70CRI / 4000K **L750**=70CRI / 5000K **L830**=80CRI / 3000K **L835**=80CRI / 3500K **L840**=80CRI / 4000K **L850**=80CRI / 5000K **L930**=90CRI / 3000K **L935**=90CRI / 3500K **L940**=90CRI / 4000K **L950**=90CRI / 5000K
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	**Notes** (2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.		**Notes** (3) 60HE configuration not available with the combination of Sensors or EBP plus 347V, 480V, or UNC.	**Notes** (4) NL (Non Lensed) versions not available with 36HE, 48HE, and 60HE lumen packages.	**Notes** (5) Voltage must be specified when ordered with plugs or emergency drivers. (6) When ordering sensors option, specify as UNV (for 120V or 277V), 347V or 480V. (7) Ambient temperatures limited to 40C when using emergency, sensors, or 5LTD in conjunction with 347V or 480V.	

Options	Driver Type	Wiring	Options	Packaging
EBP/TD * **EL20W**=20-watt 120V-277V emergency battery pack installed (8), (9), (12) **EL20-W-REM**=20-watt 120V-277V emergency battery pack remote mounted (8), (9), (11) **GTR2**=Bodine Generator Transfer Device (11) **ETRD**=Iota Emergency Transfer Relay with dimming control (10)	**CD**=0-10V Dimming Driver **5LTD**=Fifth Light DALI (13), (14)	**C3 (1)**=1 Circuit, 3' Cord with no Plug **C3 (2)**=2 Circuits, 3' Cord with no Plug **C6 (1)**=1 Circuit, 6' Cord with no Plug **C6 (2)**=2 Circuits, 6' Cord with no Plug **PC3/120**=(NEMA L5-15P) 3' Cord with NEMA Plug **PC3/277**=(NEMA L7-15P) 3' Cord with NEMA Plug **PC3/347**=(NEMA L24-20P) 3' Cord with NEMA Plug **PC3/480**=(NEMA L8-20P) 3' Cord with NEMA Plug **PC6/120**=(NEMA L5-15P) 6' Cord with NEMA Plug **PC6/277**=(NEMA L7-15P) 6' Cord with NEMA Plug **PC6/347**=(NEMA L24-20P) 6' Cord with NEMA Plug **PC6/480**=(NEMA L8-20P) 6' Cord with NEMA Plug	**MP**=Modular Plug (16) **PAF**=Painted After Fabrincation **HA**=High Ambient (17), (18) **Motion Sensors** **MS**=360° or 180° Motion Sensor Installed, (specify voltage) (15) **SVPD3**=Integrated Occupancy and Daylight Dimming Sensor, 1200 sq. ft. coverage (15) **OEFP010VMV**=Occupancy Sensor with Integrated Photocell (15) **FSP-211/L7-U**=PIR Occupancy Sensor with Integral 0-10V Dimming (15) **LWR**=Enlighted Wireless Sensor system (15) **ZW-SWPD3**=Integrated Wavelinx Wireless Sensor, 1200 sq ft. coverage (15) **WLS4**=WaveLinx Lite Wireless Integrated Sensor, 15'–40' Mounting Height (15), (19)	**U**=Unit Pack **PALC**=Job Pack, in carton
Notes * Emergency and transfer devices are UL924 listed. (8) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack. (9) EM options available in 0°C - 45°C ambient. (10) Used to transfer fixture to secondary power during outage. Must be used in conjunction with UL 1008 device (provided by others). These options require 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. A maximum of two devices can be used on one product. (11) GTR2 option is only available with 4ft fixtures (36K, 48K, and 60K lumens). (12) High Ambient not available with integrated emergency.	**Notes** (13) Sensor or UNC not available in conjunction with 5LTD driver. (14) Ambient temperatures limited to 40C when using emergency, sensors, or 5LTD in conjunction with 347V or 480V.		**Notes** (15) When ordering sensor or EBP/TD option, specify as UNV (for 120V or 277V), 347V or 480V. (16) Requires use of MC or MPC cord accessories, specify voltage for plugs (MP). (17) High Ambient not available with integrated emergency. (18) Refer to Ambient Chart for temperature ratings. (19) WaveLinx Lite devices are not currently compatible with the WaveLinx Pro Wireless Area Controller.	

Accessories

Accessories (order separately) (22)
OHB-WG162=Wire guard for 12HE, 15HE, and 18HE **OHB-WG222**=Wire guard for 24HE and 30HE **OHB-WG164**=Wire guard for 36HE **OHB-WG224**=Wire guard for 48HE and 60HE **Y-TOGGLE**=Y Mounting Toggle, #2 Cable (Specify 10' or 30', requires 2 per fixture) **FH-1**=Fixture Hook (21) **FL-1**=Fixture Loop (21) **OHB-SPM**=Single Point Mounting Hub (20) **MPC3**=3' Modular Power Cord & Plug (Specify Voltage) **MPC6**=6' Modular Power Cord & Plug (Specify Voltage) **MC3**=3' Modular Power Cord **MC6**=6' Modular Power Cord **SWPD3**=WaveLinx Wireless Sensor (to be installed with "ZW" sensor ready fixtures only)
Notes (20) OHB-SPM mounting not available with EL20W or ETRD options. (21) Must be used in conjunction with OHB-SPM accessory for proper installation. (22) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Product Specifications

Construction
- Rugged and durable scalable design with rigid, steel center channel
- Mechanically attached end caps provide strength and durability
- Suspension mounting with optional wire hook and chain set or cable; Single monopoint mounting with SPM tong hanger

Electrical
- Long-Life LED system coupled with electrical driver for optimal performance
- LED's available in 3000K, 3500K, 4000K and 5000K with 70 CRI, 80 CRI and 90 CRI options
- Electronic drivers are available for 120-277V, 347V and 480V applications
- 0-10V dimming control (standard)
- Operating temperature of -40°C to 55°C (refer to chart)

Emergency Battery Pack Option
- 20-watt, 120-277V integral emergency battery pack available to meet critical life-safety lighting requirements
- 90-minute batteries provide constant power to the LED system, ensuring code- compliance
- Emergency/generator transfer options available (see ordering information for details)

Optics
- Precision designed optics deliver even illumination
- Offered in Narrow, medium and wide distributions

Shielding
- Standard lensing provides additional LED protection and optical control
- Optional wire guards available for more complex environments

WaveLinx Lite devices are not currently compatible with the WaveLinx Pro Wireless Area Controller

Controls
- Integral occupancy sensor (SVPD3) option provides 600 sq. ft. to up to 1250 sq. ft. of coverage for occupancy sensing and daylight harvesting
- Integral 360° or 180° motion sensor
- Integrated Wavelinx Wireless Sensor option provides 1200 sq. ft. coverage
- WaveLinx wireless enabled (does not include sensor)

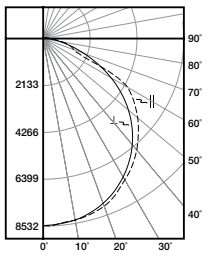
Finish
- White enamel finish preceded by a multistage cleaning cycle
- Iron phosphate coating with rust inhibitor protects against contaminnts and oxidation

Compliance
- cULus listed for damp locations
- LED modules comply with IESNA LM-79 and LM-80 standards
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium (refer to www.designlights.org for details)

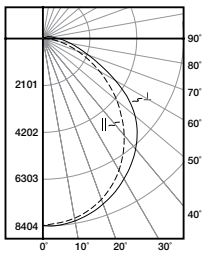
Warranty
- Five year warranty standard.

Photometric Data

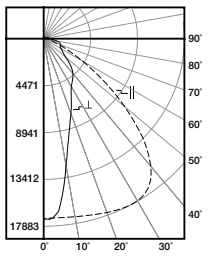
View IES files



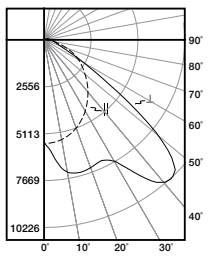
OHB-24HE-MCL-UNV-L850-CD-U
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.3 x mounting height, (⊥) 1.27 x mounting height
Lumens: 24645
Input Watts: 132W
Efficacy: 186.7 LPW
Test Report: OHB-24HE-MCL-UNV-L850-CD-U.IES



OHB-24HE-MFL-UNV-L850-CD-U
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.28 x mounting height
Lumens: 23894
Input Watts: 132W
Efficacy: 181 LPW
Test Report: OHB-24HE-MFL-UNV-L850-CD-U.IES



OHB-24HE-N-UNV-L850-CD-U
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.51 x mounting height, (⊥) 0.53 x mounting height
Lumens: 24029
Input Watts: 132W
Efficacy: 182 LPW
Test Report: OHB-24HE-N-UNV-L850-CD-U.IES



OHB-24HE-W-UNV-L850-CD-U
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.16 x mounting height, (⊥) 2.19 x mounting height
Lumens: 24377
Input Watts: 132W
Efficacy: 184.7 LPW
Test Report: OHB-24HE-W-UNV-L850-CD-U.IES

Energy and Performance Data

OHB - High Efficacy 5000K 70CRI											
	Lumen Output					Watts	Efficacy (LPW)				
Catalog Number	N	MFL	MCL	W	NL	277V	N	MFL	MCL	W	NL
OHB-12HE	13045	12971	13379	13234	13907	68	193	192	198	196	206
OHB-15HE	16113	16022	16526	16346	17178	83	193	192	198	196	206
OHB-18HE	19594	19484	20097	19879	20890	102	192	191	197	195	204
OHB-24HE	25526	25383	26181	25896	27214	132	194	193	199	197	207
OHB-30HE	32410	32228	33241	32880	34552	172	189	188	194	191	201
OHB-36HE	38345	38129	39328	38901	–	201	190	189	195	193	–
OHB-48HE	51874	51583	53205	52626	–	261	199	197	204	201	–
OHB-60HE	62913	62560	64527	63825	–	333	189	188	194	192	–

OHB - High Efficacy 5000K 80CRI											
	Lumen Output					Watts	Efficacy (LPW)				
Catalog Number	N	MFL	MCL	W	NL	277V	N	MFL	MCL	W	NL
OHB-12HE	12279	12210	12594	12457	13091	68	182	181	187	185	194
OHB-15HE	15167	15082	15557	15387	16170	83	182	181	187	185	194
OHB-18HE	18445	18341	18918	18712	19664	102	180	179	185	183	192
OHB-24HE	24029	23894	24645	24377	25617	132	183	182	187	185	195
OHB-30HE	30509	30337	31291	30951	32525	172	178	177	182	180	189
OHB-36HE	36095	35893	37021	36619	–	201	179	178	184	182	–
OHB-48HE	48831	48557	50084	49539	–	261	187	186	192	190	–
OHB-60HE	59222	58890	60742	60081	–	333	178	177	182	180	–

Ambient Ratings

Lumen Package	Ambient Rated	(HA) High Ambinet	EM
OHB-12HE	55°C	–	45°C
OHB-15HE	55°C	–	45°C
OHB-18HE	45°C	55°C	45°C
OHB-24HE	55°C	–	45°C
OHB-30HE	55°C	–	45°C
OHB-36HE	45°C	55°C	45°C
OHB-48HE	55°C	–	45°C
OHB-60HE	55°C	–	45°C

Energy Data

Input Watts:
12HE (12,000 lumens)=68W
15HE (15,000 lumens)=83W
18HE (18,000 lumens)=120W
24HE (24,000 lumens)=132W
30HE (30,000 lumens)=172W
36HE (36,000 lumens)=2101W
48HE (48,000 lumens)=263W
60HE (60,000 lumens)=334W

Shipping Data

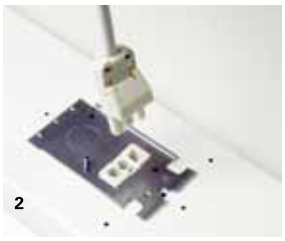
Catalog No.	Wt.
OHB-12HE	10 lbs.
OHB-15HE	13 lbs.
OHB-18HE	13 lbs.
OHB-24HE	13 lbs.
OHB-30HE	16 lbs.
OHB-36HE	20 lbs.
OHB-48HE	20 lbs.
OHB-60HE	20 lbs.

Modular Power Supply Option

Modular Power Supply option is available for use with all F-Bay products. The modular power supply allows external fixture access for safe and easy servicing. There is no need to remove lamps or reflectors to disconnect fixture power with Modular Power Supply. Access to the individual fixture's power supply allows servicing without turning off all the fixtures, disrupting occupants. F-Bay Modular Power Supply is a time saver in installation – ***simply plug & power.***

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 96%	> 240,000



1. Modular Power Supply Receptacle supplied mounted into fixture Access Plate.
2. Modular Power Cord & Plugs in 120, 277, 347, & 480V configurations for easy plug & power into existing supply.

No internal fixture access required for installation or disconnecting power.

Code Compliance

- UL/cUL Certified for Make/Break under load (UL2549)
- Meets NEC requirements for ballast disconnect (NEC 410.73G)
- Receptacle complete with insulating/dust cap

Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- iLumin Plus

Connected Systems CLICK HERE

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

Standalone

Controlled
WaveLinx Lite

Connected
WaveLinx Pro

Enterprise
Trellix

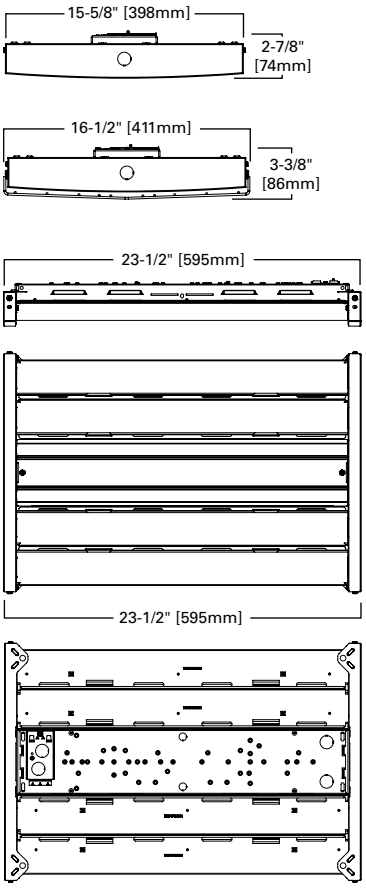
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices (MAX)	–	50 per Area (1400 per site)	200 per WAC2	32,500 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Pro Mobile App	Trellix Core
Areas	–	28 per Site	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

SCALABILITY

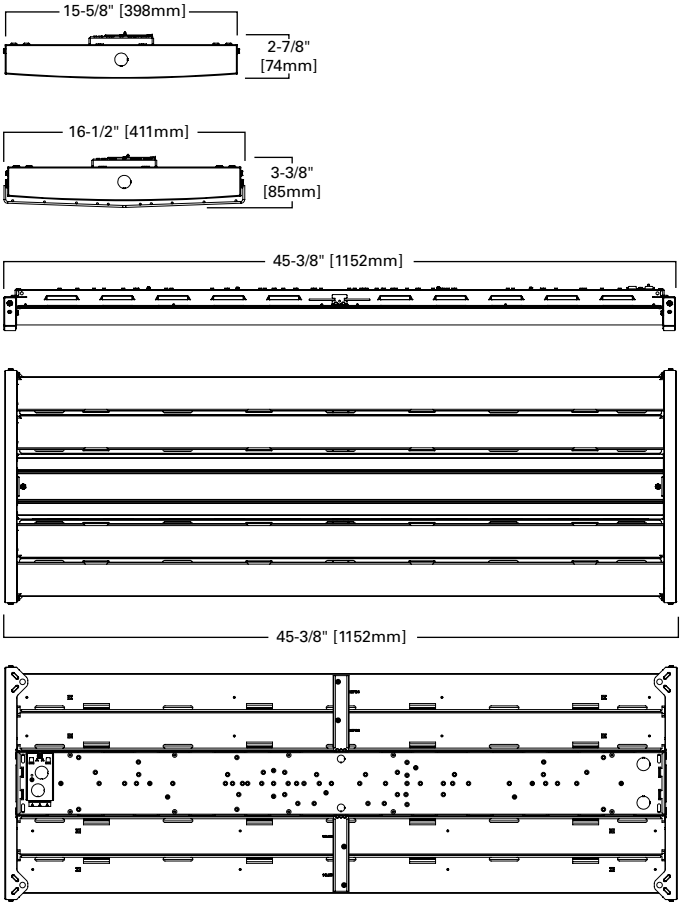
devices → areas → floors → buildings

Dimensional and Mounting Details

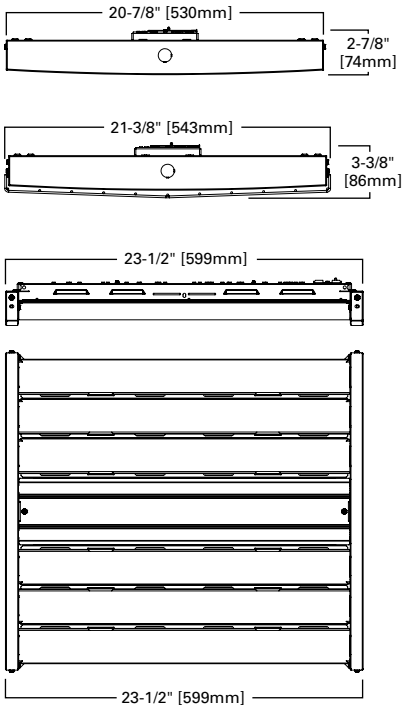
OHB-12HE, 15HE, 18HE



OHB-36HE



OHB-24HE, 30HE



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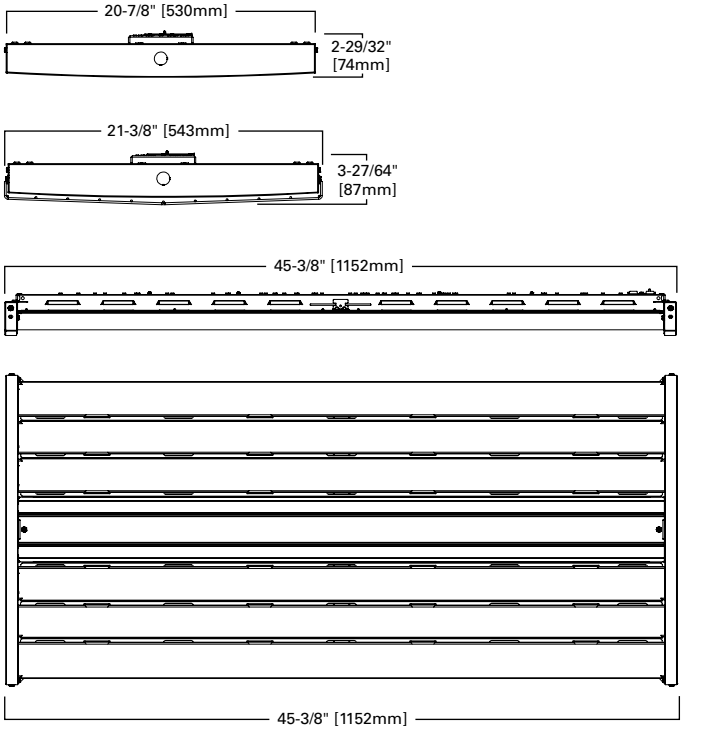

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Specifications and dimensions subject to change without notice.