TECHLIGHT
GROUNDED IN ILLUMINATION

Catalog Number	
Project	**Type**

HOLH SERIES

High Output LED Linear High Bay / Low Bay

HOLH 3D MODEL SHOWN

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
HOLH	3.25"	48.00" x 10.65"

FEATURES & SPECIFICATIONS

APPLICATION — The high lumen output luminaire is designed to be a replacement for HID and fluorescent high bays or low bays. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for warehouse, manufacturing and big box retail applications.

CONSTRUCTION — The HOLH body and housing assembly are ruggedly constructed from 22ga cold rolled steel sheet. Fixture is assembled with special thread forming sheet metal screws to prevent loosening from vibration. All hardware is zinc plated steel. Rigid stiffening brackets prevent twisting and bowing. Engineered for exceptional thermal performance using lightweight aluminum thermal LED heat sinks. Open structure design allows for natural convective cooling. Wireguard attachment points provided.

FINISH — HOLH Series body and driver housing powder coated with lighting white high reflectance (93%) polyester paint.

OPTICAL SYSTEM — High efficiency linear LED modules with acrylic diffusers provide a medium-wide light distribution with exceptional vertical and horizontal performance. Optics provide 93% transmittance of light.

ELECTRICAL SYSTEM — Class 2 long life LEDs and high efficiency drivers work together to provide superior performance in a safe and efficient package. HOLH provides a wide range of output options, from 8,000 to 96,000 lumens. L95 at 10K hours L70 ≥ 50K hours. LEDs available in 4000K and 5000K with a CRI >80. Electronic drivers are available in 120~277V or 347~480V configurations. Power factor >0.9. 0-10V dimming standard (dimming leads pulled through upon request). Modular wiring drop cord may be factory installed (contact your sales representative for details).

MOUNTING — Suitable for suspension mounting via aircraft cables, jack chain with "S" hooks, end-mount tong hangers; monopoint mounting via a ½" rigid or swivel pendant system. NOTE: Pendant and surface mount applications require the PSMA mounting accessory.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:
HOLH 3D 40 35L VWD 1 WOCLEV

HOLH

SERIES	# OF LED MODULES	COLOR TEMP	NOMINAL LUMEN MODULES					LENS	VOLTAGE
			2D	**3D**	**4D**	**5D**	**6D**	**VWD** = Very Wide 120°	**1** = Multi-Volt[1]
	2D = 2 Modules	**40** = Neutral White (4000K)	**8L** = 8,000	**33L** = 33,000	**52L** = 52,000	**70L** = 70,000	**84L** = 84,000		**2** = 347-480V
	3D = 3 Modules	**50** = Cool White (5000K)	**18L** = 18,000	**35L** = 35,000	**54L** = 54,000	**73L** = 73,000	**88L** = 88,000		
	4D = 4 Modules		**19L** = 19,000	**37L** = 37,000	**56L** = 56,000	**77L** = 77,000	**92L** = 92,000		
	5D = 5 Modules		**21L** = 21,000	**39L** = 39,000	**59L** = 59,000	**80L** = 80,000	**96L** = 96,000		
	6D = 6 Modules		**22L** = 22,000	**40L** = 40,000	**61L** = 61,000				
			23L = 23,000	**42L** = 42,000	**64L** = 64,000				
			24L = 24,000	**44L** = 44,000	**66L** = 66,000				
			26L = 26,000	**46L** = 46,000					
			27L = 27,000	**48L** = 48,000					
			28L = 28,000	**50L** = 50,000					
			29L = 29,000						
			31L = 31,000						
			32L = 32,000						

OPTIONS

HOEB = LED Battery Pack, 90 min, Approx 20W 2500 Lumens
HOEB10W = LED Battery Pack, 90 min, Approx 10W 1250 Lumens
AC63 = 6' x 3X 18AWG, 3/8"dia., Armored Conduit Flex Cable
AC64[2] = 6' x 4X 18AWG, 3/8"dia., Armored Conduit Flex Cable
DLP = Dimming Leads Pulled
AC103 = 10', 3/8" Armored Flex Conduit W/ 12' BLK/WHT/GRN Wire
WOC = Fixture Mount PIR Motion Sensor On/Off Only
WOCLEV[3] = Fixture Mount PIR Occupancy Sensor with Daylight Harvesting
WOCBT[4] = Bluetooth Mesh Wireless Smart Control
EL400FS[5] = Sensor extension with wire-through for sensor alignment
C1 = 6' Cord Set, Twist-lock 120V
C2 = 6' Cord Set, Twist-lock 277V
C4 = 6' Cord Set, Twist-lock 480V
APSMA = Adjustable Pendant and Surface Mount Adaptor Bracket
PSMA = Pendant and Surface Mount Adaptor Bracket

ACCESSORIES (Order as separate line items)

10JC   (3) S Hooks and 10' Jack Chain Set
G10   10' Aircraft Cable w/ 12" Arms (Set of 2)
THE   Tong Hanger, End Mount (Set of 2)
HOG2   High Output LED Wire Guard - 2 or 3 Modules
HOG4   High Output LED Wire Guard - 4 Modules

APSMA (Factory Installed Option)
Adjustable Pendant and Surface Mount Adaptor Bracket
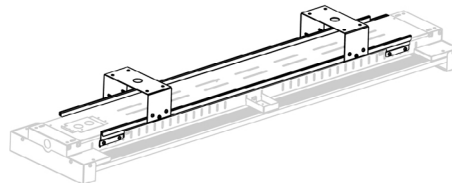
NOTES

[1] = Multi-Volt is an auto ranging power supply from 100V to 300V input

[2] = Must be used with HOEB if AC is required

[3] = PIR Occupancy Sensor Input voltage 120-347V

[4] = Bluetooth Mesh Input voltage 120-277V

[5] = Must be ordered as a separate line item, and along with one of the WOC options.
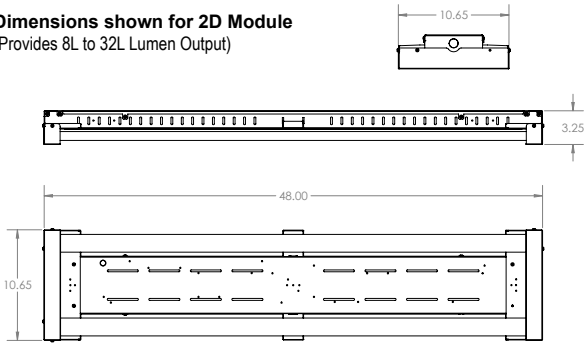
www.techlight.com

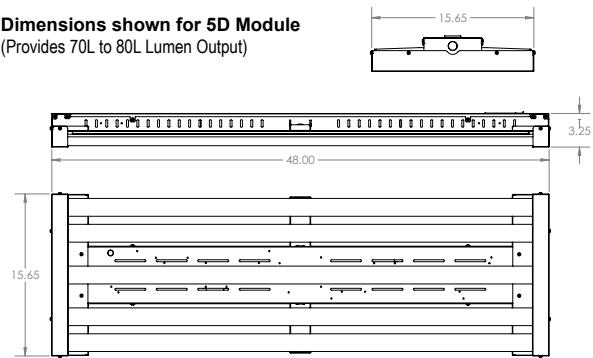# HOLH High Output LED Linear High Bay / Low Bay

FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.

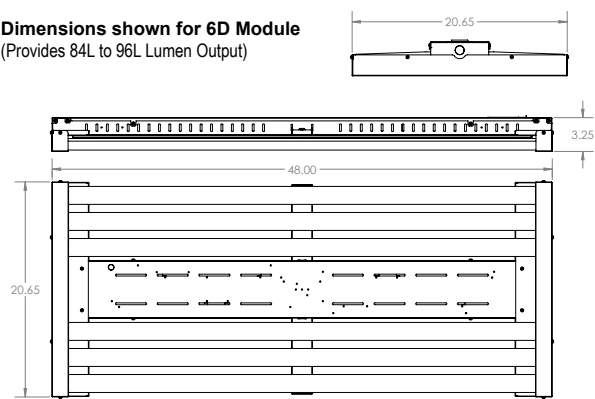**Dimensions shown for 2D Module**
(Provides 8L to 32L Lumen Output)

10.65 · 3.25 · 48.00 · 10.65

Dimensions shown for 3D Module
(Provides 33L to 50L Lumen Output)

10.65 · 3.25 · 48.00 · 10.65

Dimensions shown for 4D Module
(Provides 52L to 66L Lumen Output)

15.65 · 3.25 · 48.00 · 15.65

Dimensions shown for 5D Module
(Provides 70L to 80L Lumen Output)

15.65 · 3.25 · 48.00 · 15.65
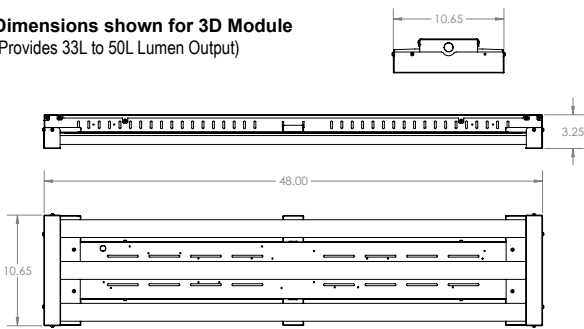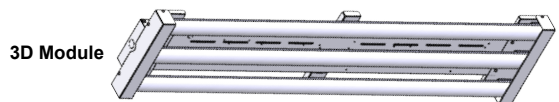
Dimensions shown for 6D Module
(Provides 84L to 96L Lumen Output)

20.65 · 3.25 · 48.00 · 20.65

2D Module

3D Module

4D Module

5D Module

6D Module
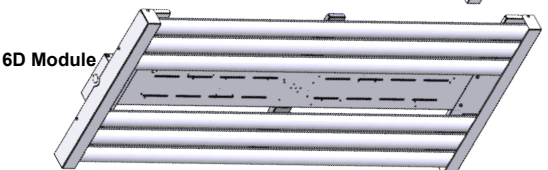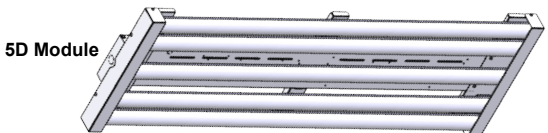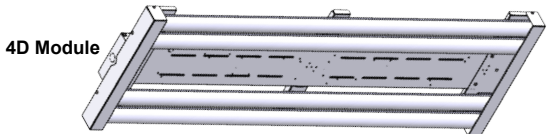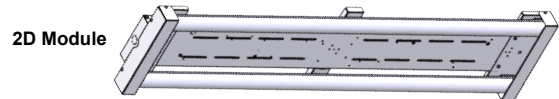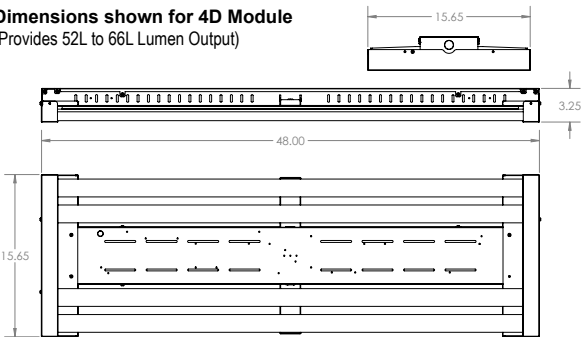
FIXTURE & MOUNTING ACCESSORIES

HOEB
LED Battery Pack, 90 min

10JC
(3) S Hooks and 10' Jack Chain Set

C1, C2 and C3
6' Cord Sets with NEMA Style Twist-lock Plug

AC63
6', 3/8" dia., Armored Flex Cable

THE
Tong Hanger, End Mount (Set of 2)

G10
10' Aircraft Cable w/ 12" Arms (Set of 2)

REV: 20250325-15

HOLH High Output LED Linear High Bay / Low Bay

LUMINAIRE CHARACTERISTICS
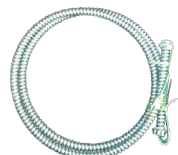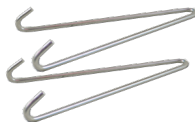
ANSI 4000K & 5000K CCT HOLHxD Performance Data (L70 >50K @ 25ºC)

Lumen I.D.	Nominal Lumens	# of LED Modules	Delivered Lumens / Very Wide 120° Optics	System Wattage	LPW	Amperage Draw					
						120V	208V	240V	277V	347V	480V
8L	8,000	2D	8,096	54	150.00	0.5	0.3	0.2	0.2	0.2	0.1
18L	18,000	2D	17,960	114	157.40	1.0	0.5	0.5	0.4	0.3	0.2
19L	19,000	2D	19,332	124	156.00	1.0	0.6	0.5	0.4	0.4	0.3
21L	21,000	2D	20,666	134	154.60	1.1	0.6	0.6	0.5	0.4	0.3
22L	22,000	2D	22,000	143	153.30	1.2	0.7	0.6	0.5	0.4	0.3
23L	23,000	2D	23,176	153	151.20	1.3	0.7	0.6	0.6	0.4	0.3
24L	24,000	2D	24,444	163	149.90	1.4	0.8	0.7	0.6	0.5	0.3
26L	26,000	2D	25,776	173	149.10	1.4	0.8	0.7	0.6	0.5	0.4
27L	27,000	2D	26,888	183	147.20	1.5	0.9	0.8	0.7	0.5	0.4
28L	28,000	2D	28,060	193	145.00	1.6	0.9	0.8	0.7	0.6	0.4
29L	29,000	2D	29,332	203	144.30	1.7	1.0	0.8	0.7	0.6	0.4
31L	31,000	2D	30,600	213	143.60	1.8	1.0	0.9	0.8	0.6	0.4
32L	32,000	2D	31,910	224	142.50	1.9	1.1	0.9	0.8	0.6	0.5
33L	33,000	3D	33,000	215	153.30	1.8	1.0	0.9	0.8	0.6	0.4
35L	35,000	3D	34,764	229	151.60	1.9	1.1	1.0	0.8	0.7	0.5
37L	37,000	3D	36,666	245	149.90	2.0	1.2	1.0	0.9	0.7	0.5
39L	39,000	3D	38,664	260	148.80	2.2	1.2	1.1	0.9	0.7	0.5
40L	40,000	3D	40,332	275	146.70	2.3	1.3	1.1	1.0	0.8	0.6
42L	42,000	3D	42,090	289	145.60	2.4	1.4	1.2	1.0	0.8	0.6
44L	44,000	3D	43,998	305	144.10	2.5	1.5	1.3	1.1	0.9	0.6
46L	46,000	3D	45,900	321	143.10	2.7	1.5	1.3	1.2	0.9	0.7
48L	48,000	3D	47,865	336	142.50	2.8	1.6	1.4	1.2	1.0	0.7
50L	50,000	3D	49,770	351	141.80	2.9	1.7	1.5	1.3	1.0	0.7
52L	52,000	4D	51,552	346	149.10	2.9	1.7	1.4	1.2	1.0	0.7
54L	54,000	4D	53,776	366	146.80	3.1	1.8	1.5	1.3	1.1	0.8
56L	56,000	4D	56,120	386	145.40	3.2	1.9	1.6	1.4	1.1	0.8
59L	59,000	4D	58,664	407	144.30	3.4	2.0	1.7	1.5	1.2	0.8
61L	61,000	4D	61,200	427	143.30	3.6	2.1	1.8	1.5	1.2	0.9
64L	64,000	4D	63,820	448	142.50	3.7	2.2	1.9	1.6	1.3	0.9
66L	66,000	4D	66,360	467	142.00	3.9	2.2	1.9	1.7	1.3	1.0
70L	70,000	5D	70,150	483	145.40	4.0	2.3	2.0	1.7	1.4	1.0
73L	73,000	5D	73,330	509	144.20	4.2	2.4	2.1	1.8	1.5	1.1
77L	77,000	5D	76,500	534	143.30	4.4	2.6	2.2	1.9	1.5	1.1
80L	80,000	5D	79,775	560	142.50	4.7	2.7	2.3	2.0	1.6	1.2
84L	84,000	6D	84,180	579	145.30	4.8	2.8	2.4	2.1	1.7	1.2
88L	88,000	6D	87,996	610	144.30	5.1	2.9	2.5	2.2	1.8	1.3
92L	92,000	6D	91,800	640	143.40	5.3	3.1	2.7	2.3	1.8	1.3
96L	96,000	6D	95,730	671	142.70	5.6	3.2	2.8	2.4	1.9	1.4

PHOTOMETRICS

POLAR GRAPH

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HOLH~3D4050LVWD.IES
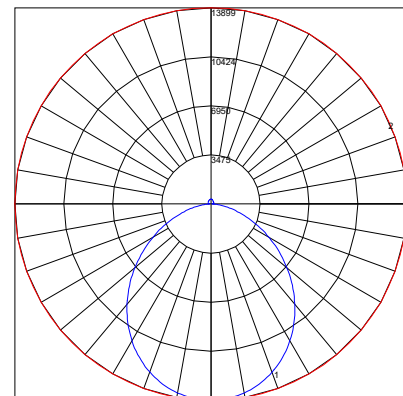
Maximum Candela = 13899.3   Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 – 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

CHARACTERISTICS

Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	324
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.40

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt	Zone	Lumens	%Fixt
0-20	5089.40	10.20	60-80	9738.62	19.50
0-30	10823.70	21.60	70-80	4146.08	8.30
0-40	17767.36	35.50	80-90	2811.86	5.60
0-60	31791.19	63.60	90-110	3171.09	6.30
0-80	41529.80	83.10	90-120	4062.08	8.10
0-90	44341.66	88.70	90-130	4669.55	9.30
10-90	43026.06	86.10	90-150	5350.66	10.70
20-40	12677.96	25.40	90-180	5658.36	11.30
20-50	19949.52	39.90	110-180	2487.27	5.00
40-70	19616.37	39.20	0-180	50000.02	100.00

All dimensions and specifications are subject to change without notice.

REV: 20250325-15

FIXTURE MOUNT SENSOR

The **WOCBT** and **WOCLEV** PIR Fixture Mount Occupancy Sensors offer a comprehensive and user-friendly solution for intelligent lighting control in high and low bay applications. These easy-to-program sensors seamlessly integrate with existing LED fixtures using a standard 1/2" knockout, eliminating the need for complex wiring configurations.

WOCLEV PIR

Both highbay and lowbay lens are provided with sensor. Highbay lens is factory installed as standard. Lowbay lens must be field installed unless otherwise requested.

WOCBT PIR

HOLH 2D model shown with dimming occupancy sensor with bluetooth mesh technology.

ANDROID & IOS APP AVAILABLE FOR BLUETOOTH CONTROLLER

Android

IOS

EL400FS extension with SENSORS

APPLICATION — Sensor extension with wire-through for optimal sensor alignment, avoiding fixture obstructions to ensure a full range of view.

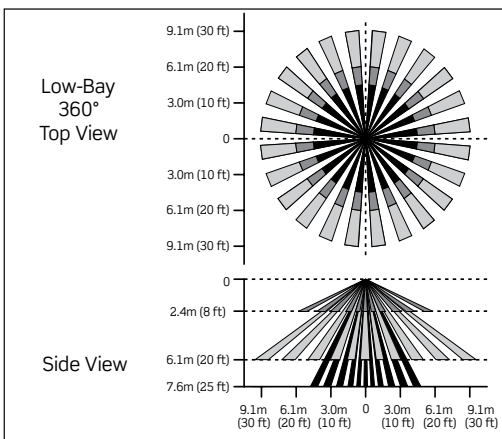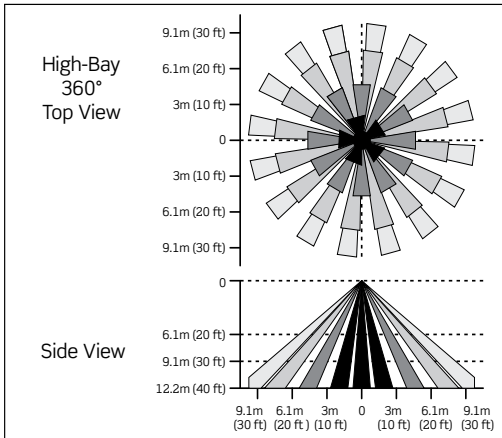**EL40OFS -** Wire-through motion sensor extension

WOCLEV - Fixture Mount PIR Occupancy Sensor

WOCBT - Bluetooth Mesh Wireless Smart Control

Order EL400FS as a separate line item along with one of the sensors above.

WOCLEV PIR LENSES FIELD OF VIEW

High-Bay 360° Top View

Side View

Low-Bay 360° Top View

Side View

KEY FEATURES:

- **1-10V Dimming Control (0-100%):** Precisely adjust light levels based on occupancy and ambient daylight, maximizing energy savings.
- **Integrated Photocell with Patented AutoCal™:** Automatically adapts lighting based on natural light, with set-it-and-forget-it calibration
- **Interchangeable Lenses (360°):** Optimize detection for high bay (up to 40ft) or low bay environments with included lenses.
- **Universal Compatibility:** Works seamlessly with a wide range of LED fixtures.
- **Cold Storage Ready:** Available in a model suitable for temperatures as low as -40°F.

SIMPLIFIED INSTALLATION:

The **WOCBT** and **WOCLEV** sensors install directly onto your LED fixture through a standard 1/2" knockout using the provided locknut. Factory-connected wiring eliminates complex configurations, ensuring a quick and hassle-free setup.

ADDITIONAL FEATURES:

- **Suitable for standard and cold storage applications.**
- **Visual RGB LED indicators** provide clear device status and simplify troubleshooting.
- **Alternating relay software** extends lamp life.
- **Adjustable time delay (no power required)** for customization.
- **Pre-stripped color-coded wire leads** for efficient connection.
- **Quicksnap feature** for easy installation.
- **H.I.S. (High Inrush Stability) Technology** ensures smooth operation.
- **Zero crossing circuitry** protects electrical components.
- **Robust mechanical latching relay** delivers reliable performance.
- **Relay always returns to close after power loss event** for consistent operation.
- **UL listed for electronic driver loads 120/277V** guarantees safety and compliance.

IDEAL APPLICATIONS:

- Warehouses • Manufacturing Facilities • Gymnasiums
- Auditoriums • Retail Spaces (with high ceilings)

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