

L1EPH

ECONO LED HIGH BAY LUMINAIRE

Our new series of LED economical High Bays is an energy efficient solution that is ideal for use in applications such as warehouses, sports arenas, and other large, high ceiling indoor applications.

FEATURES AND SPECIFICATIONS

• Construction

Housing

White powder painted 22 gauge steel housing. Well ventilated driver compartment for optimal thermal management. 6' cable (standard for 24LS2, 24LS3, 48LS1A and 48LS2A)

Lens

Frosted acrylic lens over LEDs provides a diffused distribution of light.

• Specifications

Driver

- 120-277 V and 347 V available
- 0-10 V dimming standard

Ambient temperature

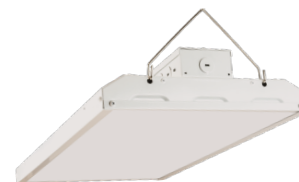
-20 to +50°C

Mounting

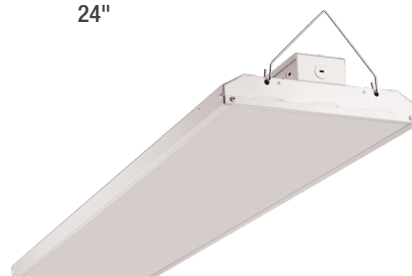
V-Hooks for dual point chain or cable hanging (standard for 24LS2, 24LS3, 48LS1A et 48LS2A). Other mounting options available, please see accessories table.

• Compliances

- Suitable for damp location
- Meets requirements of ICES-005
- cULus Certified
- UL1598, UL8750
- cCSAus



24"

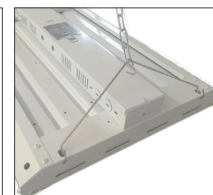


48"

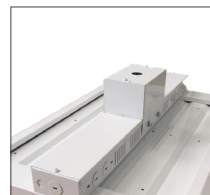
MOUNTING OPTIONS



SURFACE MOUNT



PENDANT MOUNT WITH V-HOOKS



CONDUIT MOUNT



AVIATION CABLE MOUNT

OVERVIEW

Light source	LED
Watts (W)	90 - 321
Lumen output (lm)	11 700 - 42 051
Efficacy (lm/W)	128 - 132
Color temperature (K)	4 000, 5 000
CRI	80+
Weight (lbs)	24": 7.7, 12.1 48": 15.4, 23.1



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE 1

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) ²	Lumen output (lm) ³	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Dimming type (V)	Power factor	THD (%)
24"												
L1EPH-24LS2-W/40K	L1EPH-24LS2-W/40K ⁵	90	120-277	4 000	11 700	130	80+	120 000	6 000	0-10	0.90	10
L1EPH-24LS2-H/50K	L1EPH-24LS2-H/50K ⁵	90	347	5 000	11 790	131	80+	120 000	6 000	0-10	0.90	10
L1EPH-24LS3-W/40K	L1EPH-24LS3-W/40K ⁵	135	120-277	4 000	17 550	130	80+	120 000	6 000	0-10	0.90	10
L1EPH-24LS3-W/50K	L1EPH-24LS3-W/50K ⁵	135	120-277	5 000	17 685	131	80+	120 000	6 000	0-10	0.90	10
L1EPH-24LS3-H/40K	L1EPH-24LS3-H/40K ⁵	135	347	4 000	17 550	130	80+	120 000	6 000	0-10	0.90	10
65518	LHBE/S2/162W/2FT/50K/2/DD1/FP/STD ⁶	162	120-277	5 000	21 222	131	80+	120 000	6 000	0-10	0.90	10
65561	LHBE/S2/162W/2FT/40K/3/DD1/FP/STD ⁶	162	347	4 000	21 060	130	80+	120 000	6 000	0-10	0.90	10
48"												
L1EPH-48LS1A-W/50K	L1EPH-48LS1A-W/50K ⁵	178	120-277	5 000	23 318	131	80+	122 000	6 000	0-10	0.90	10
L1EPH-48LS1A-H/40K	L1EPH-48LS1A-H/40K ⁵	178	347	4 000	23 140	130	80+	122 000	6 000	0-10	0.99	10
L1EPH-48LS1A-H/50K	L1EPH-48LS1A-H/50K ⁵	178	347	5 000	23 318	131	80+	122 000	6 000	0-10	0.99	10
65517	LHBE/S2/223W/4FT/40K/2/DD1/FP/STD ⁶	223	120-277	4 000	28 990	130	80+	122 000	6 000	0-10	0.90	10
65562	LHBE/S2/223W/4FT/40K/3/DD1/FP/STD ⁶	223	347	4 000	28 990	130	80+	122 000	6 000	0-10	0.90	10
L1EPH-48LS2A-W/40K	L1EPH-48LS2A-W/40K ⁵	265	120-277	4 000	34 450	130	80+	122 000	6 000	0-10	0.90	10
L1EPH-48LS2A-W/50K	L1EPH-48LS2A-W/50K ⁵	265	120-277	5 000	34 715	131	80+	122 000	6 000	0-10	0.90	10
L1EPH-48LS2A-H/40K	L1EPH-48LS2A-H/40K ⁵	265	347	4 000	34 715	131	80+	122 000	6 000	0-10	0.99	10
L1EPH-48LS2A-H/50K	L1EPH-48LS2A-H/50K ⁵	265	347	5 000	34 980	132	80+	122 000	6 000	0-10	0.99	10
65559	LHBE/321W/4FT/50K/2/DD1/FP/STD ⁶	321	120-277	5 000	42 051	131	80+	122 000	6 000	0-10	0.90	10
65560	LHBE/321W/4FT/50K/3/DD1/FP/STD ⁶	321	347	5 000	42 051	131	80+	122 000	6 000	0-10	0.90	10

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

⁵ Comes standard with 6' cable and V Hooks for dual point chain or cable hanging

⁶ V-hooks are sold separately for these configurations. Consult accessory table.

ACCESSORIES (order separately)

Order code	Model number	Type	Compatible with
64614	CAS900-4-VHOOK	V-HOOK KIT FOR PENDANT MOUNT	24LS2, 48LS1A, 65515, 65517, 65519, 65562
64615	CAS900-6-VHOOK	V-HOOK KIT FOR PENDANT MOUNT	24LS3, 48LS2A, 65516, 65518, 65561, 65559, 65560
64616	BKT486	Conduit mount kit 20AWG bracket for 120-277V	120-277 V
66278	BKT486-347V	Conduit mount kit 20AWG bracket for 347V	347 V
64620	BKT584-4L	SURFACE MOUNT BRACKET	24LS2, 48LS1A, 65515, 65517, 65519, 65562
64621	BKT584-6L	SURFACE MOUNT BRACKET	24LS3, 48LS2A, 65516, 65518, 65561, 65559, 65560
	HAR1040	11' aviation cable mount option	All configurations
64619	WGD063-4-KIT	4' WIREGUARD	48LS1A, 65517, 65519, 65562
	WGD063-6-KIT	4' WIREGUARD	48LS2A, 65559, 65560
64617	WGD904-4-KIT	2' WIREGUARD	24SL2, 65515
64618	WGD904-6-KIT	2' WIREGUARD	24SL3, 65516, 65518, 65561



With wireguard

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
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COMPATIBLE DIMMERS

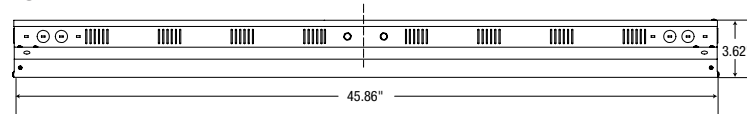
Brand	Model number	
	24"	48"
LUTRON	DIVADVSTV, Maestro MS-Z101	Nova T NTSTV
LEVITON	ILLUMATECH IP710-LFZ	
Philips		Sunrise SR1200ZTUNV

Dimming range 10%-100%

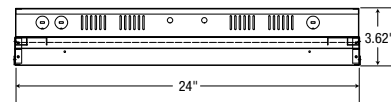
NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Standard recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

DIMENSIONS

48"

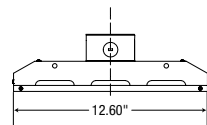


24"

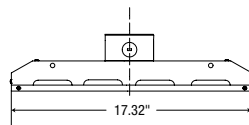


120-277 V

24" - 24SL2, 65515
48" - 48LS1A, 65517, 65519, 65562

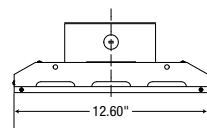


24" - 24SL3, 65516, 65518, 65561
48" - 48LS2A, 65559, 65560

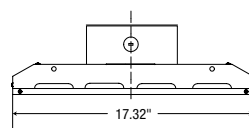


347 V

24" - 24SL2, 65515
48" - 48LS1A, 65517, 65519, 65562



24" - 24SL3, 65516, 65518, 65561
48" - 48LS2A, 65559, 65560

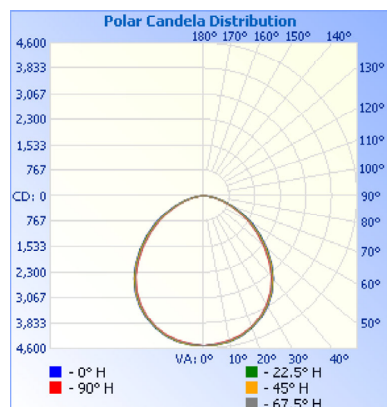


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PHOTOMETRIC DATA¹

L1EPH-24LS2-(W/H)/40K • 11 711.1 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 510.9	30
0-40	5 716.0	48.8
0-60	9 703.7	82.9
60-90	2 007.5	17.1
70-100	781.8	6.7
90-120	0	0
0-90	11 711.1	100
90-180	0	0
0-180	11 711.1	100

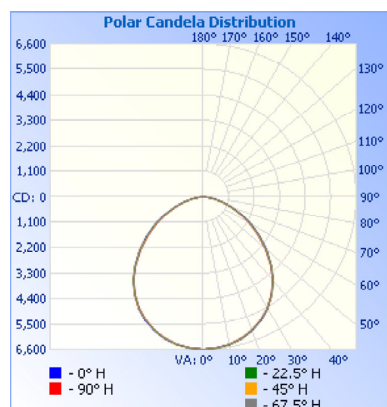
Illuminance at a distance

Center beam fc	Beam width
1.7'	1563 fc
3.3'	415 fc
5.0'	181 fc
6.7'	101 fc
8.3'	65.6 fc
10.0'	45.2 fc

Vert. spread:	105.7°
Horiz. spread:	102.4°

L1EPH-24LS3-(W/H)/40K • 17 021 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 114.7	30%
0-40	8 324.6	48.9%
0-60	14 128.5	83%
60-90	2 892.4	17%
70-100	1 117.6	6.6%
90-120	0	0%
0-90	17 021.0	100%
90-180	0	0%
0-180	17 021.0	100%

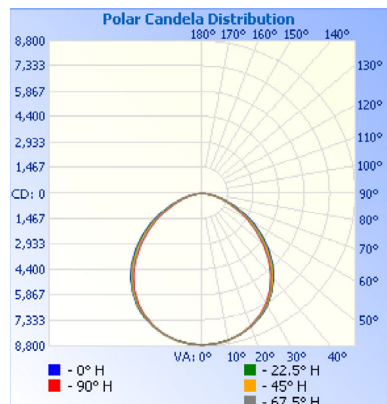
Illuminance at a distance

Center beam fc	Beam width
1.7'	2 282 fc
3.3'	606 fc
5.0'	264 fc
6.7'	147 fc
8.3'	95.7 fc
10.0'	66.0 fc

Vert. spread:	104.8°
Horiz. spread:	103.4°

L1EPH-48LS1A-(W/H)/40K • 22 991.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 813.1	29.6%
0-40	11 16.4	48.4%
0-60	18 976.7	82.5%
60-90	4 014.8	17.5%
70-100	1 581.2	6.9%
90-120	0	0%
0-90	22 991.5	100%
90-180	0	0%
0-180	22 991.5	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	3 023 fc
3.3'	802 fc
5.0'	349 fc
6.7'	195 fc
8.3'	127 fc
10.0'	87.4 fc

Vert. spread:	107.9°
Horiz. spread:	102.8°

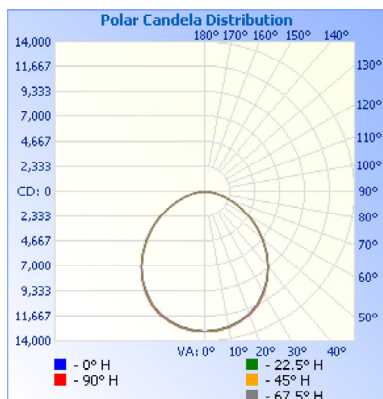
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA (cont'd)¹

L1EPH-48LS2A-(W/H)/40K • 34 344.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	10 159.7	29.6%
0-40	16 495.6	48%
0-60	28 120.3	81.9%
60-90	6 224.2	18.1%
70-100	2 467.3	7.2%
90-120	0	0%
0-90	34 344.5	100%
90-180	0	0%
0-180	34 344.5	100%

Illuminance at a distance

	Center beam fc		Beam width	
1.7'	4 544 fc		4.4'	4.4'
3.3'	1 206 fc		8.6'	8.5'
5.0'	525 fc		13.0'	12.9'
6.7'	293 fc		17.5'	17.2'
8.3'	191 fc		21.6'	21.3'
10.0'	131 fc		26.0'	25.7'

■ Vert. spread: 105.0°
■ Horiz. spread: 104.3°

¹ Complete IES files available on our website.

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