

Series Spec Sheet

L1LEH

ECONO LED LINEAR HIGH BAY LUMINAIRE

Multi-Voltage (120-347 V)

Stanpro's economic L1LEH Linear High Bay with optional integrated sensor, is ideally suited for high ceiling warehouses as well as arenas where uniform and efficient lighting is required.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- White powder coated 22 gauge slim, lightweight steel housing.
- Well ventilated driver compartment for optimal thermal management.
- Frosted PMMA lens over LEDs provides a diffused light distribution.
- 6' power cable standard in all configurations.

Mounting

- Surface, suspended or pendant (see accessories).
- Set of 2 V-Hooks and chains are provided with all configurations. Other mounting options are available, please consult accessory table.

• Performance data

- Available in both 4 000 and 5 000 K color temperatures
- 80+ CRI for true color accuracy
- Electrical ratings: 120-347 V
- Estimated life of over 54 000 hours to L70
- 0-10V dimming driver. Dimming cables not included with the fixture
- 2.0 kV surge protection
- Operating Temperature: -20 °C to 50 °C (-4 °F to 122 °F)
- Ambient Temperature: -20°C to 50°C (-4°F to 122°F)

• Compliances

- cULus listed for damp locations
- Meet requirements of ICES-005 (A), Issue 5 for class A products
- Complies with FCC Part 15, Class A, Sub Part B
- UL1598, UL8750
- CSA 22.2 250.0, CSA 22.2 250.13

OVERVIEW

Light source	LED
Watts (W)	85, 130, 170, 210, 255, 300, 400
Lumen output (lm)	11 475 - 54 000
Efficiency (lm/W)	≥135
Color temperature (K)	4 000, 5 000
CRI	80+



24"

48"



quick ship



LED fixture



damp location



ICES 005



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Order code	Model number	DLC Unique ID	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Tested hours LM-80 (hrs) ³	Power factor	Dimming type (V)	THD (%)
24"													
68754	L1LEH-24LS1-Q/40K	PWJRNSYW	85	120-347	4 000	11 475	135	80+	>54 000	9 000	0.9	0-10	10
68755	L1LEH-24LS1-Q/50K	PSMMICWD	85	120-347	5 000	11 560	136	80+	>54 000	9 000	0.9	0-10	10
68756	L1LEH-24LS2-Q/40K	PBCKEBGU	130	120-347	4 000	17 550	135	80+	>54 000	9 000	0.9	0-10	10
68757	L1LEH-24LS2-Q/50K	PIJBYCBG	130	120-347	5 000	17 680	136	80+	>54 000	9 000	0.9	0-10	10
68758	L1LEH-24LS3-Q/40K	PU1XH61D	170	120-347	4 000	22 950	135	80+	>54 000	9 000	0.9	0-10	10
68759	L1LEH-24LS3-Q/50K	POFB7T5C	170	120-347	5 000	23 120	136	80+	>54 000	9 000	0.9	0-10	10
68760	L1LEH-24LS4-Q/40K	PFHT7Q6B	210	120-347	4 000	28 350	135	80+	>54 000	9 000	0.9	0-10	10
68761	L1LEH-24LS4-Q/50K	P8FTRIA6	210	120-347	5 000	28 560	136	80+	>54 000	9 000	0.9	0-10	10
48"													
68763	L1LEH-48LS1-Q/50K	PLDFIMRC	255	120-347	5 000	34 425	135	80+	>54 000	9 000	0.9	0-10	10
68764	L1LEH-48LS2-Q/40K	PT8PK5RS	300	120-347	4 000	40 723	136	80+	>54 000	9 000	0.9	0-10	10
68765	L1LEH-48LS2-Q/50K	PSOCKWXU	300	120-347	5 000	41 140	137	80+	>54 000	9 000	0.9	0-10	10
68767	L1LEH-48LS3-Q/50K	PM5KZQ8I	400	120-347	5 000	53 607	134	80+	>54 000	9 000	0.9	0-10	10

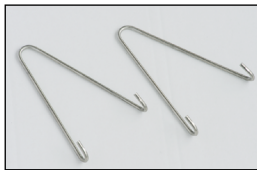
¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

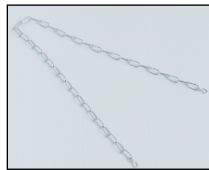
³ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

INCLUDED IN THE BOX

V-Hooks



Chain Kits



ACCESSORIES (order separately)

Order code	Model number	Type	Compatible with
68910	BKT846	Surface mount bracket kit (set of 2)	68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761, 68763, 68764, 68765, 68767
68911	BKT847	Conduit mount kit for L1LEH	68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761, 68763, 68764, 68765, 68767
68912	WGD911-2FT	Wireguard 2 ft / 4 L for L1LEH	68754, 68755, 68756, 68757, 68758, 68759
68913	WGD911-2FT-W	Wireguard 2 ft / 6 L for L1LEH	68760, 68761
68914	WGD911-4FT	Wireguard 4 ft / 4 L for L1LEH	68763
68915	WGD911-4FT-W	Wireguard 4 ft / 6 L for L1LEH	68764, 68765, 68766, 68767
68916 ¹	KITOSI-EFS06R	External high frequency sensor kit EFS06R	68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761, 68763, 68764, 68765, 68767
69603 ²	OSI-IFS05R-HBL1	External PIR sensor kit OSI-IFS05R-HBL1	68754, 68755, 68756, 68757, 68758, 68759, 68760, 68761, 68763, 68764, 68765, 68767
69080	OSI-RM51	Remote control RM51 for motion sensors	68916, 69603

¹ To change factory settings, purchase remote (sold separately).

² The settings can be either changed by switches, or by a remote (sold separately).

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

COMPATIBLE DIMMERS¹

Brand	Model Number			
	24" (LS1, LS2, LS3)	24" (LS4)	48" (LS1)	48" (LS2, LS3)
LUTRON	NTSTV-DV, NFTV, DVTV ²	NTSTV-DV, NFTV, DVTV	NTSTV-DV, NFTV, DVTV ²	NTSTV-DV, NFTV, DVTV
LEVITON	IP710, DS710	IP710, DS710	IP710, DS710	IP710, DS710
LEGRAND	RH4FBL3PW	RH4FBL3PW	RH4FBL3PW	RH4FBL3PW

Dimming range: 10%-100%

¹ This 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. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

² Dim to OFF not available with DVTV for 24" (LS1, LS2, LS3) and 48" (LS1).

OCCUPANCY SENSOR

BI-LEVEL SENSORS

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) %

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Initial Brightness (%)	Sensitivity (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Remote ¹	Location ² (°C)
68916	External	120-347 (12 V DC)	High Frequency	40 (max)	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	Infinite	69080	Dry and Wet, -30 to +40
69603	External	120-347 (12-32 V DC)	PIR	40 (max)	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	Infinite	69080	Dry and Wet, -40 to +40

Default settings: Brightness: 100%, hold time: 5min, stand-by dim: 50%, stand-by time: 30min, photocell: off, sensitivity: 100%

TRI-LEVEL SENSORS

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) % during (Stand-by time) min, then OFF

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Initial Brightness (%)	Sensitivity (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Remote ¹	Location ² (°C)
68916	External	120-347 (12 V DC)	High Frequency	40 (max)	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	10s, 5min, 15min, 30min, 60min	69080	Dry and Wet, -30 to +40
69603	External	120-347 (12-32 V DC)	PIR	40 (max)	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	10s, 5min, 15min, 30min, 60min	69080	Dry and Wet, -40 to +40

Default settings: Brightness: 100%, hold time: 5min, stand-by dim: 50%, stand-by time: 30min, photocell: off, sensitivity: 100%

¹ To be ordered separately.

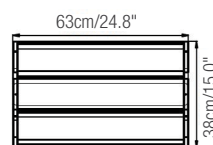
² Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

For more settings visit

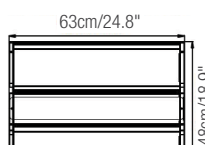
www.standardpro.com/documentation/technical-information/

WEIGHT AND DIMENSIONS

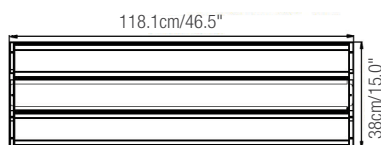
	24"	24" WIDE	48"	48" WIDE
LENGTH (cm/in)	63/24.8	63/24.8	118.1/46.5	118.1/46.5
WIDTH (cm/in)	38/15.0	48/18.9	38/15.0	48/18.9
THICKNESS (cm/in)	5.59/2.2	5.59/2.2	5.59/2.2	5.59/2.2
WEIGHT (lbs)	10.4	11.2	17.9	19.8



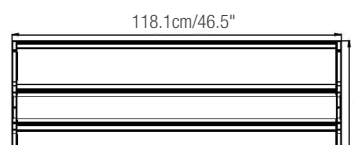
Wattage Range:65-170W
Dimensions: cm/in



Wattage Range:210W



Wattage Range:255W



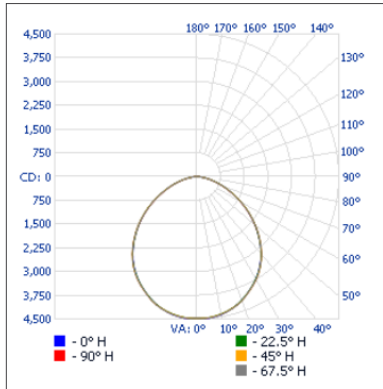
Wattage Range:300-400W

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

PHOTOMETRIC DATA¹

68754 • L1LEH-24LS1-Q/40K • 11 607.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 467.9	29.9%
0-40	5 644.7	48.6%
0-60	9 624.3	82.9%
60-90	1 983.3	17.1%
0-90	11 607.6	100%

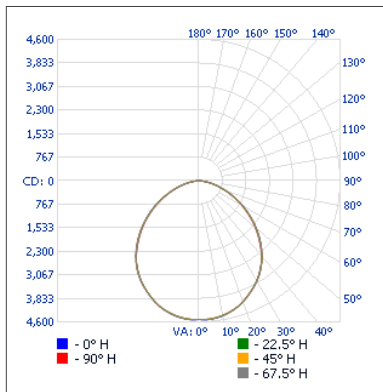
Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 547	4.4'	4.4'
3.3'	411	8.5'	8.5'
5.0'	179	12.9'	12.9'
6.7'	99.6	17.3'	17.2'
8.3'	64.9	21.5'	21.3'
10.0'	44.7	25.9'	25.7'

■ Vert. spread: 104.6°
■ Horiz. spread: 104.3°

68755 • L1LEH-24LS1-Q/50K • 11 714.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 495.3	29.8%
0-40	5 682.4	48.5%
0-60	9 679.1	82.6%
60-90	2 035.2	17.4%
0-90	11 714.3	100%

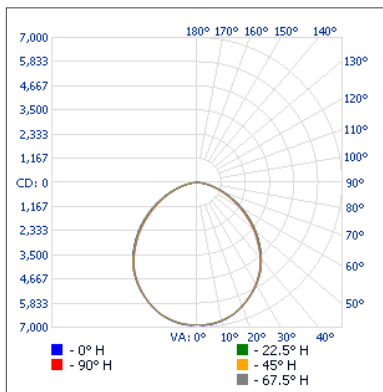
Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 562	4.4'	4.3'
3.3'	414	8.6'	8.4'
5.0'	181	13.0'	12.7'
6.7'	101	17.4'	17.1'
8.3'	65.5	21.6'	21.1'
10.0'	45.1	26.0'	25.5'

■ Vert. spread: 104.8°
■ Horiz. spread: 103.7°

68756 • L1LEH-24LS2-Q/40K • 17 510.7 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 302.7	30.3%
0-40	8 601.3	49.1%
0-60	14 559.2	83.1%
60-90	2 951.5	16.9%
0-90	17 510.7	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 377	4.4'	4.2'
3.3'	631	8.5'	8.1'
5.0'	275	12.9'	12.3'
6.7'	153	17.2'	16.5'
8.3'	99.7	21.3'	20.4'
10.0'	68.7	25.7'	24.6'

■ Vert. spread: 104.2°
■ Horiz. spread: 101.9°

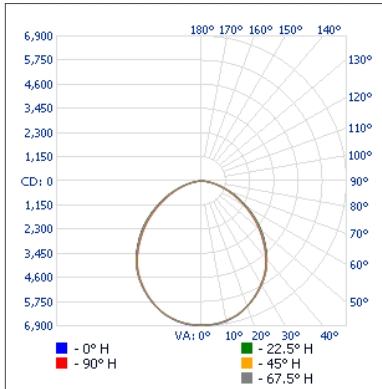
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

68757 • L1LEH-24LS2-Q/50K • 17 634.1 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 294.6	30%
0-40	8 601.6	48.8%
0-60	14 610.2	82.9%
60-90	3 023.8	17.1%
0-90	17 634.1	100%

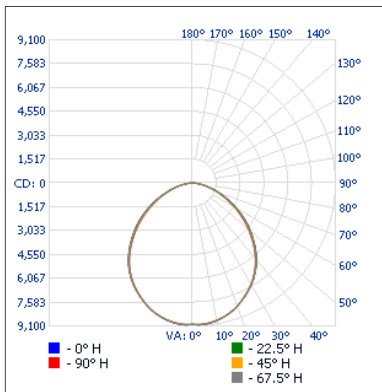
Illuminance at a distance

Center beam fc	Beam width
1.7'	4.4' 4.2'
3.3'	8.6' 8.2'
5.0'	13.0' 12.5'
6.7'	17.5' 16.7'
8.3'	21.7' 20.7'
10.0'	26.1' 25.0'

■ Vert. spread: 105.1°
■ Horiz. spread: 102.6°

68758 • L1LEH-24LS3-Q/40K • 23 024.7 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 949.7	30.2%
0-40	11 276.6	49%
0-60	19 114.3	83%
60-90	3 910.4	17%
0-90	23 024.7	100%

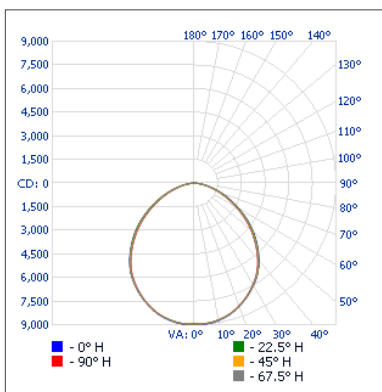
Illuminance at a distance

Center beam fc	Beam width
1.7'	4.4' 4.2'
3.3'	8.5' 8.2'
5.0'	12.9' 12.4'
6.7'	17.3' 16.6'
8.3'	21.4' 20.5'
10.0'	25.8' 24.7'

■ Vert. spread: 104.5°
■ Horiz. spread: 102.0°

68759 • L1LEH-24LS3-Q/50K • 23 111.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 934.0	30%
0-40	11 281.4	48.8%
0-60	19 185.4	83%
60-90	3 925.6	17%
0-90	23 111.0	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	4.5' 4.3'
3.3'	8.7' 8.3'
5.0'	13.2' 12.6'
6.7'	17.6' 16.9'
8.3'	21.8' 20.9'
10.0'	26.3' 25.2'

■ Vert. spread: 105.5°
■ Horiz. spread: 103.0°

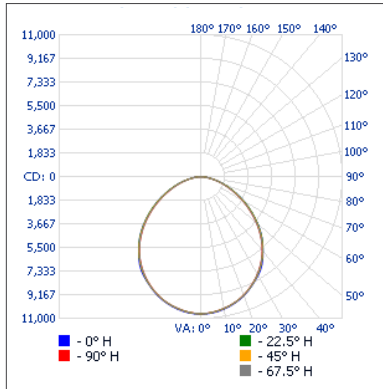
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

68760 • L1LEH-24LS4-Q/40K • 27 456.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8 162.6	29.7%
0-40	13 287.3	48.4%
0-60	22 714.4	82.7%
60-90	4 742.0	17.3%
0-90	27 456.3	100%

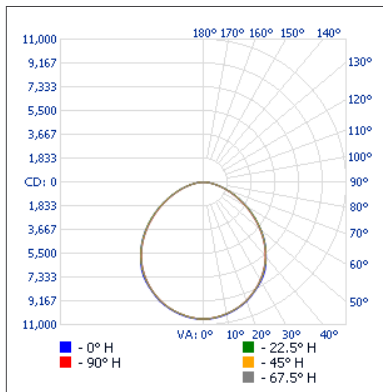
Illuminance at a distance

Center beam fc	Beam width	
	4.4'	4.3'
1.7'	3 683	8.6'
3.3'	977	8.4'
5.0'	426	13.0'
6.7'	237	12.7'
8.3'	154	17.4'
10.0'	106	17.0'
		21.6'
		21.1'
		26.0'
		25.4'

■ Vert. spread: 104.9°
■ Horiz. spread: 103.7°

68761 • L1LEH-24LS4-Q/50K • 27 419.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8 115.2	29.6%
0-40	13 228.5	48.2%
0-60	22 668.5	82.7%
60-90	4 751.4	17.3%
0-90	27 419.9	100%

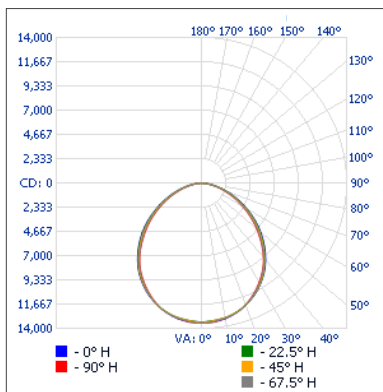
Illuminance at a distance

Center beam fc	Beam width	
	4.5'	4.4'
1.7'	3 655	8.7'
3.3'	970	8.5'
5.0'	422	13.1'
6.7'	235	12.9'
8.3'	153	17.6'
10.0'	106	17.3'
		21.8'
		21.4'
		26.3'
		25.8'

■ Vert. spread: 105.5°
■ Horiz. spread: 104.4°

68763 • L1LEH-48LS1-Q/50K • 34 937.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	10 388.3	29.7%
0-40	16 884.7	48.3%
0-60	28 785.9	82.4%
60-90	6 151.6	17.6%
0-90	34 937.5	100%

Illuminance at a distance

Center beam fc	Beam width	
	4.5'	4.2'
1.7'	4 638	8.8'
3.3'	1 231	8.2'
5.0'	536	13.4'
6.7'	299	12.4'
8.3'	195	17.9'
10.0'	134	16.6'
		22.2'
		20.6'
		26.7'
		24.8'

■ Vert. spread: 106.4°
■ Horiz. spread: 102.3°

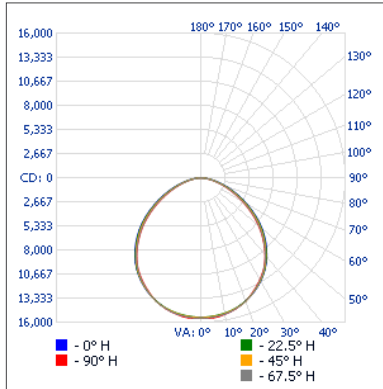
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

68764 • L1LEH-48LS2-Q/40K • 40 723.4 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	12 095.3	29.7%
0-40	19 765.4	48.5%
0-60	33 876.0	83.2%
60-90	6 847.4	16.8%
0-90	40 723.4	100%

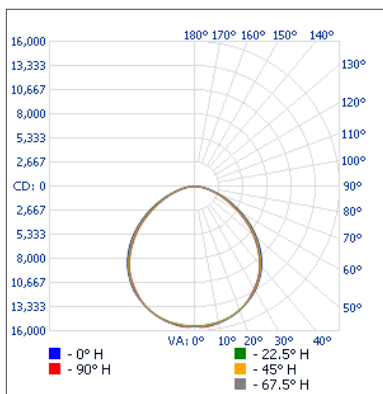
Illuminance at a distance

Center beam fc		Beam width	
1.7'	5 357	4.7'	4.4'
3.3'	1 422	9.0'	8.5'
5.0'	619	13.7'	12.8'
6.7'	345	18.3'	17.2'
8.3'	225	22.7'	21.3'
10.0'	155	27.4'	25.7'

■ Vert. spread: 107.7°
■ Horiz. spread: 104.2°

68765 • L1LEH-48LS2-Q/50K • 41 140.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	12 153.7	29.5%
0-40	19 893.3	48.4%
0-60	34 194.4	83.1%
60-90	6 945.8	16.9%
0-90	41 140.3	100%

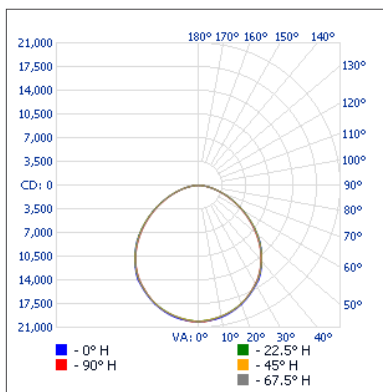
Illuminance at a distance

Center beam fc		Beam width	
1.7'	5 369	4.7'	4.4'
3.3'	1 425	9.1'	8.6'
5.0'	621	13.8'	13.0'
6.7'	346	18.5'	17.4'
8.3'	225	23.0'	21.6'
10.0'	155	27.7'	26.0'

■ Vert. spread: 108.3°
■ Horiz. spread: 104.9°

68767 • L1LEH-48LS3-Q/50K • 53 606.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	15 538.7	29%
0-40	25 438.4	47.5%
0-60	43 982.5	82%
60-90	9 624.1	18%
0-90	53 606.6	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	6 974	4.6'	4.5'
3.3'	1 851	8.9'	8.8'
5.0'	806	13.5'	13.3'
6.7'	449	18.2'	17.8'
8.3'	293	22.5'	22.1'
10.0'	202	27.1'	26.6'

■ Vert. spread: 107.1°
■ Horiz. spread: 106.2°

¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.