

Series Spec Sheet

L1RVH CHOICE

ECONOMICAL AND HIGH PERFORMING LED ROUND HIGH BAY

3 CCT AND POWER SELECTABLE FEATURES

An economical and energy efficient LED High Bay series with a simple, yet refined design. This type of luminaire is ideal for any application such as warehouses, manufacturing facilities, sports arenas, and other large high ceiling indoor applications. The IP65 rating allows this fixture to be installed where dust and water spray may be present.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Pure light aluminum shell provides optimal heat dissipation and high lumen efficacy
- Clear polycarbonate impact-resistant lens over LEDs provides a high light efficacy. Standard 90° beam angle. Optional 120° beam angle lens available (see accessories below)
- CCT and Power Select switches are placed discretely inside the driver housing
- 10' power cable and 10' dimming cable included in all configurations
- Integrated sensor receptacle makes for easy plug-and-play installation of smart and non-smart sensors. No wiring required. Sensors are sold separately, see accessories table

Mounting

- Hook mount included for suspended mounting. The hook is removable for 1/2 NPT conduit mounting. For additional security, use the safety cable accessory. Trunnion with pivot range ($\pm 90^\circ$) is available for yoke bracket surface mounting (see accessories table below)

• Performance data

- Available in 3 500, 4 000 and 5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 100 000 hours to L70
- 0-10 V dimming driver. Dimming cables included with this luminaire
- 6kV surge protection (standard)
- Operating temperature: -40°C to 50°C (-40°F to 122°F)

• Compliances

- UL certified for wet locations for Canada and USA
- IP65
- NSF certified (Splash Zone and Non Food Zone)
- ICES-005 Class A
- NEMA 4X
- BC Hydro
- DLC Premium

OVERVIEW

Light source	LED
Watts (W)	100/120/150 130/150/180 200/240
Lumen output (lm)	15 663 - 38 345
Efficacy (lm/W)	149 - 175
Color temperature (K)	3CCT (3 500/4 000/5 000)
CRI	80+
Weight (lbs)	4.4 - 9.5



69428/69746



69560



69429



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 Premium Unique ID ⁶	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ^{2,3}	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Calculated TM21 (hrs) ⁴	Beam angle (°) ⁵	Power factor	THD (%)
CCT and Power Selectable														
69428	L1RVH-PS150-Q/3C-B/CHOICE	S-V0P9R0	100/120/150	120-347	3 500/4 000/5 000	16 323/19 341/24 339	170	80+	>100 000	> 9 000	149 000	90	> 0.9	< 20
69560	L1RVH-PS150-Q/3C-W/CHOICE	S-V0P9R0	100/120/150	120-347	3 500/4 000/5 000	16 323/19 341/24 339	170	80+	>100 000	> 9 000	149 000	90	> 0.9	< 20
69746	L1RVH-PS180-Q/3C-B/CHOICE	S-KG0PPL	130/150/180	120-347	3 500/4 000/5 000	23 258/25 467/29 510	165	80+	>100 000	> 9 000	147 000	90	> 0.9	< 20
69429	L1RVH-PS240-Q/3C-B/CHOICE	S-DP2ER8	200/240	120-347	3 500/4 000/5 000	32 363/38 345	168	80+	>100 000	> 9 000	147 000	90	> 0.9	< 20

¹ Typical color temperature range: +/- 5 %

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

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures

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

⁵ 120° beam angle also available. See accessory table

⁶ Primary Use Designation: High-Bay Luminaires for Commercial and Industrial Buildings

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
69428	L1RVH-PS150-Q/3C-B/CHOICE	100	15 768	163	16 323	175	15 663	165
		120	18 486	158	19 341	171	18 567	158
		150	22 993	149	24 339	165	22 956	149
69560	L1RVH-PS150-Q/3C-W/CHOICE	100	15 768	163	16 323	175	15 663	165
		120	18 486	158	19 341	171	18 567	158
		150	22 993	149	24 339	165	22 956	149
69746	L1RVH-PS180-Q/3C-B/CHOICE	130	22 394	162	23 258	174	22 902	169
		150	24 588	160	25 467	169	24 800	165
		180	28 422	158	29 510	165	28 691	161
69429	L1RVH-PS240-Q/3C-B/CHOICE	200	31 212	156	32 363	170	30 739	157
		240	36 975	149	38 345	166	36 706	150

DEFAULT PROGRAMMING

69428 : 150 W / 4 000 K

69560 : 150 W / 4 000 K

69746 : 180 W / 4 000 K

69429 : 240 W / 4 000 K

PRODUCT FEATURES



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. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

ACCESSORIES (order separately)

Order code	Type	Compatible with
68818	1/2 NPT Male to 3/4 NPT Female adapter with black junction box	69428, 69429, 69746
69660	1/2 NPT Male to 3/4 NPT Female adapter with white junction box	69560
HAR1159	1/2 NPT Male to 3/4 NPT Female conduit adapter	All configurations
68819	Trunnion 100W-180W Black	69428, 69746
69661	Trunnion 100W-180W White	69560
68820	Trunnion 200W-240W Black	69429
69627	120° Beam Angle Lens 100W-180W	69428, 69560, 69746
69628	120° Beam Angle Lens 200W-240W	69429
69629	Stainless steel safety cable (10 ft)	All configurations
68821	Aluminium reflector 100W-180W	69428, 69560, 69746
68822	Aluminium reflector 200W-240W	69429
68823	PC reflector 100W-180W	69428, 69560, 69746
68824	PC reflector 200W-240W	69429
69630	PC reflector cover 100W-180W	69428, 69560, 69746
69631	PC reflector cover 200W-240W	69429
69907 ⁶	Stainless steel wireguard 100-180W	69428, 69560, 69746
69908 ⁶	Stainless steel wireguard 200-240W	69429
70439 ⁷	Stainless steel wireguard 100-180W	69428, 69560, 69746
70440 ⁷	Stainless steel wireguard 200-240W	69429
69444 ^{1,2,3}	External High Frequency sensor kit EFS06R	All configurations
69640 ^{1,2,3,4}	External PIR sensor kit OSI-EFS07-AUX	All configurations
69080	Remote control RM51	69444, 69640
69013 ⁵	External Rugby emergency back-up BLD-RM30R	All configurations
69014	Remote control Rugby EM back-up RN51M	69013
70247	External 10kV surge protector	All configurations
70248	External 20kV surge protector	All configurations

¹ Maximum ambient temperature for sensor is 55°C. When used in conjunction with reflectors 68821, 68822, 68823 and 68824, the ambient temperature cannot exceed 25°C

² To change the factory setting, purchase remote 69080 (sold separately)

³ Not for use in NSF environment

⁴ PIR sensor detection range is significantly reduced when used in conjunction with reflectors 68821, 68822, 68823 and 68824

⁵ To manually test in EM mode remote 69014 can be purchased separately

⁶ Not compatible with 69640 and 69651

⁷ Compatible with all sensor

SMART ACCESSORIES (order separately) **G**

Order code	Type	Compatible with
69651 ^{1,2}	Genio Bluetooth® Mesh PIR sensor OSI-PIR106	All configurations
70002 ^{1,2}	Genio Bluetooth® Mesh Wet Location External PIR sensor Black OSI-PIR106-W	All configurations
70276 ^{1,2}	Genio Bluetooth® Mesh Wet Location External PIR sensor White OSI-PIR106-W-WH	All configurations
70000 ^{2,3}	Genio Bluetooth® Mesh Wet Location External Fixture Controller Black CTRL-KBC1-002	69651
70274 ^{2,3}	Genio Bluetooth® Mesh Wet Location External Fixture Controller White CTRL-KBC1-005	69651

¹ Maximum ambient temperature for sensor is 65°C. PIR sensor detection range is significantly reduced when used in conjunction with reflectors 68821, 68822, 68823 and 68824

² Note for use in NSF environment

³ Compatible with 69651

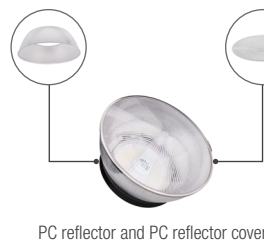
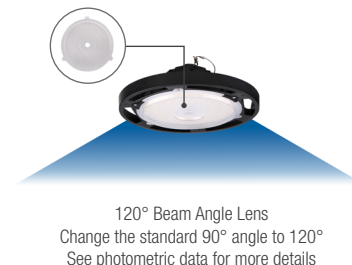
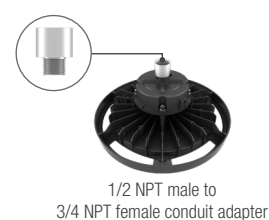
COMPATIBLE DIMMERS¹

Brand	Model
Lutron	NTSTV-DV-AL, NFTV-IV, DVTV-WH
Leviton	DS710-10Z, IP710-DLZ
Legrand	RH4FBL3PW

Dimming range: 10%-100%

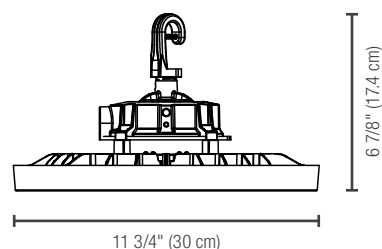
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read 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.

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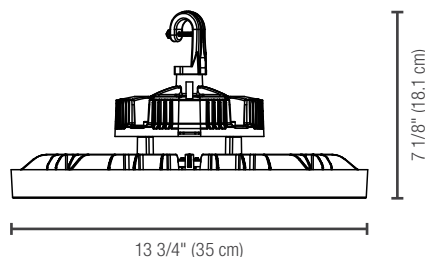


DIMENSIONS AND WEIGHTS

100/120/150 W
130/150/180 W



200/240 W



	100-150W and 130-180W Models	200-240W Model
Diameter in. (cm)	11 3/4 (30)	13 3/4 (35)
Height in. (cm)	6 7/8 (17.4)	7 1/8 (18.1)
Net weight (lbs)	4.4	9.5

OCCUPANCY SENSORS

BI-LEVEL SENSORS

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

Part Number	Position	Volt (V)	Technology	Height (Ft)	Detection Area (%)	Initial Brightness (%)	Sensitivity (%)	Hold Time (Min)	Stand-By Dim Level (%)	Stand-By Period (Min)	Remote ¹	Location (°C)
69444	External	120-347	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 +55
69640	External	120-347	PIR	20-40	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	Infinite	69080	Dry and Damp, -30 to +55
69651	External	120-347	Bluetooth® & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Dry, -30 to +65
70002, 70276	External	120-347	Bluetooth® & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Wet, -30 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	Volt (V)	Technology	Height (Ft)	Detection Area (%)	Initial Brightness (%)	Sensitivity (%)	Hold Time (Min)	Stand-By Dim Level (%)	Stand-By Period (Min)	Remote ¹	Location (°C)
69444	External	120-347	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 +55
69640	External	120-347	PIR	20-40	100	50, 75, 100	0 (Off), 50 (Low), 100 (High)	30s, 5min, 15min, 30min	0, 10, 30, 50	Infinite	69080	Dry and Damp, -30 to +55
69651	External	120-347	Bluetooth® & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Dry, -30 to +65
70002, 70276	External	120-347	Bluetooth® & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Wet, -30 to +40

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

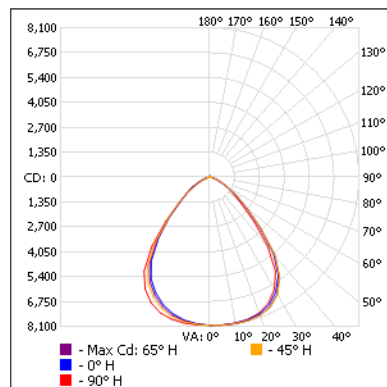
¹ To be ordered separately.

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PHOTOMETRIC DATA¹

69428 / 69560 • L1RVH-PS150-Q/3C-[B/W]/CHOICE • 100 W • 4 000 K • 15 629 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 428.5	41.1
0-40	10 232.2	65.5
0-60	14 504.1	92.8
60-90	999.3	6.4
70-100	306.1	2
90-120	22.3	0.1
0-90	15 503.4	99.2
90-180	125.6	0.8
0-180	15 629.0	100

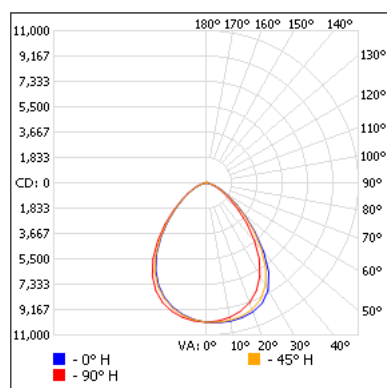
Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 780	3.1'	3.2'
3.3'	738	6.0'	6.2'
5.0'	321	9.2'	9.3'
6.7'	179	12.3'	12.5'
8.3'	117	15.2'	15.5'
10.0'	80.3	18.3'	18.7'

■ Vert. spread : 84.9°
■ Horiz. spread : 86.1°

69428 / 69560 • L1RVH-PS150-Q/3C-[B/W]/CHOICE • 120 W • 4 000 K • 19 298 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	7 674.7	39.8
0-40	11 956.4	62
0-60	17 445.7	90.4
60-90	1 690.2	8.8
70-100	579.0	3
90-120	31.7	0.2
0-90	19 135.9	99.2
90-180	162.4	0.8
0-180	19 298.3	100

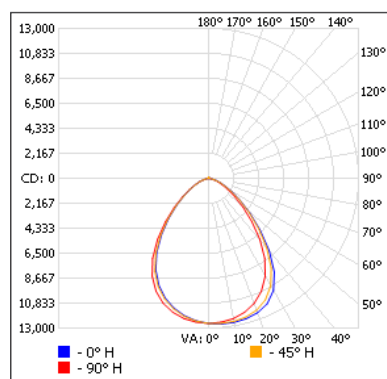
Illuminance at a distance

Center beam fc		Beam width	
1.7'	3 483	3.1'	3.0'
3.3'	924	6.0'	5.8'
5.0'	403	9.1'	8.9'
6.7'	224	12.2'	11.9'
8.3'	146	15.1'	14.7'
10.0'	102	18.2'	17.7'

■ Vert. spread : 84.6°
■ Horiz. spread : 83.1°

69428 / 69560 • L1RVH-PS150-Q/3C-[B/W]/CHOICE • 150 W • 4 000 K • 24 286 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 616.2	39.6
0-40	15 013.8	61.8
0-60	21 952.3	90.4
60-90	2 131.9	8.8
70-100	728.0	3
90-120	38.0	0.2
0-90	24 084.2	99.2
90-180	201.6	0.8
0-180	24 285.8	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	4 355	3.1'	3.0'
3.3'	1 156	6.0'	5.9'
5.0'	503	9.2'	8.9'
6.7'	280	12.3'	12.0'
8.3'	183	15.2'	14.8'
10.0'	126	18.3'	17.9'

■ Vert. spread : 84.9°
■ Horiz. spread : 83.5°

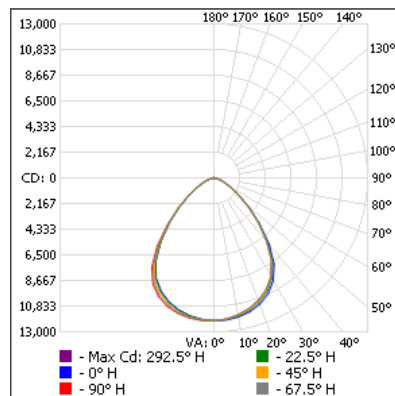
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

69746 • L1RVH-PS180-Q/3C-B/CHOICE • 130 W • 4 000 K • 23 207 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 321.6	40.2
0-40	14 725.2	63.5
0-60	21 360.3	92
60-90	1 759.7	7.6
70-100	586.1	2.5
90-120	10.3	0
0-90	23 120.0	99.6
90-180	87.4	0.4
0-180	23 207.4	100

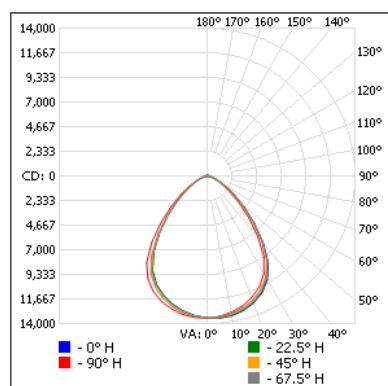
Illuminance at a distance

Center beam fc		Beam width	
1.7'	4 171	3.2'	3.2'
3.3'	1 107	6.1'	6.2'
5.0'	482	9.3'	9.4'
6.7'	269	12.5'	12.6'
8.3'	175	15.5'	15.6'
10.0'	121	18.6'	18.8'

Vert. spread : 85.9°
Horiz. spread : 86.6°

69746 • L1RVH-PS180-Q/3C-B/CHOICE • 150 W • 4 000 K • 25 411 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	10 312.2	40.6
0-40	16 186.0	63.7
0-60	23 287.6	91.6
60-90	1 902.8	7.5
70-100	640.2	2.5
90-120	40.8	0.2
0-90	25 190.4	99.1
90-180	220.7	0.9
0-180	25 411.1	100

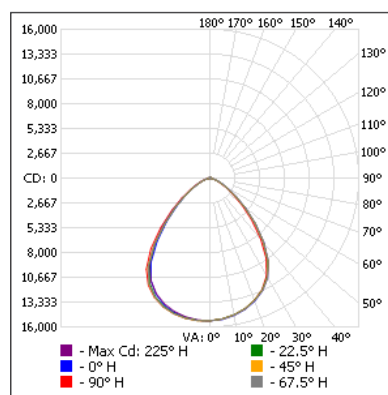
Illuminance at a distance

Center beam fc		Beam width	
1.7'	4 658	3.1'	3.1'
3.3'	1 236	6.0'	6.1'
5.0'	538	9.1'	9.2'
6.7'	300	12.2'	12.3'
8.3'	195	15.1'	15.3'
10.0'	135	18.2'	18.4'

Vert. spread : 84.6°
Horiz. spread : 85.2°

69746 • L1RVH-PS180-Q/3C-B/CHOICE • 180 W • 4 000 K • 29 445 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	11 847.3	40.2
0-40	18 679.2	63.4
0-60	27 005.7	91.7
60-90	2 185.1	7.4
70-100	727.9	2.5
90-120	46.3	0.2
0-90	29 190.7	99.1
90-180	254.3	0.9
0-180	29 445.0	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	5 304	3.2'	3.2'
3.3'	1 408	6.1'	6.2'
5.0'	613	9.3'	9.3'
6.7'	341	12.4'	12.5'
8.3'	223	15.4'	15.5'
10.0'	153	18.6'	18.7'

Vert. spread : 85.8°
Horiz. spread : 86.1°

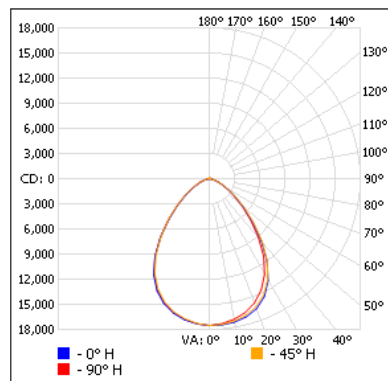
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

69429 • L1RVH-PS240-Q/3C-B/CHOICE • 200 W • 4 000 K • 32 289 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	13 148.5	40.7
0-40	20 304.3	62.9
0-60	29 268.4	90.6
60-90	2 757.6	8.5
70-100	970.4	3
90-120	48.2	0.1
0-90	32 026.0	99.2
90-180	262.5	0.8
0-180	32 288.5	100

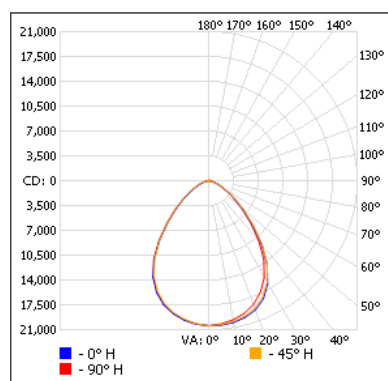
Illuminance at a distance

Center beam fc		Beam width	
1.7'	6 059	3.0'	2.9'
3.3'	1 608	5.8'	5.7'
5.0'	700	8.8'	8.6'
6.7'	390	11.7'	11.6'
8.3'	254	14.5'	14.3'
10.0'	175	17.5'	17.2'

Vert. spread: 82.5°
Horiz. spread: 81.6°

69429 • L1RVH-PS240-Q/3C-B/CHOICE • 240 W • 4 000 K • 38 258 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	15 462.3	40.4
0-40	24 020.9	62.8
0-60	34 725.7	90.8
60-90	3 223.4	8.4
70-100	1 123.3	2.9
90-120	57.6	0.2
0-90	37 949.0	99.2
90-180	309.1	0.8
0-180	38 258.1	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	7 067	3.0'	3.0'
3.3'	1 876	5.9'	5.8'
5.0'	817	8.9'	8.9'
6.7'	455	12.0'	11.9'
8.3'	296	14.8'	14.7'
10.0'	204	17.8'	17.7'

Vert. spread: 83.5°
Horiz. spread: 83.1°

¹ Complete IES files available on our website.

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