

*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. Meets NEMA 4X and NSF.

#### 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**

- cULus certified for wet locations
- IP65
- Meets NSF requirements (Splash Zone and Non Food Zone)
- ICES-005 Class A
- Meets NEMA 4X
- BC Hydro

#### 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



3 000/4 000/5 000 K



power selectable



5 yrs warranty



quick ship



LED fixture



dimmable fixture



wet location



ICES 005



**QUICK SHIP AND TECHNICAL SPECIFICATION TABLE**

Order code	Model number	DLC Premium Unique ID <sup>6</sup>	Watts (W)	Volts (VAC)	Color temp. (K) <sup>1</sup>	Lumen output (lm) <sup>2,3</sup>	Efficacy (lm/W)	CRI	Life L70 (hrs) <sup>4</sup>	Tested hours LM-80 (hrs) <sup>4</sup>	Calculated TM21 (hrs) <sup>4</sup>	Beam angle (°) <sup>5</sup>	Power factor	THD (%)
<b>CCT and Power Selectable</b>														
69428	L1RVH-PS150-Q/3C-B/CHOICE	S-VOP9R0	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-VOP9R0	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-VOP9R0	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

<sup>1</sup> Typical color temperature range: +/- 5 %  
<sup>2</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %  
<sup>3</sup> Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures  
<sup>4</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations  
<sup>5</sup> 120° beam angle also available. See accessory table  
<sup>6</sup> 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**

- Each fixture is equipped with a hook mount for suspended mounting. The hook mount can be removed for 1/2 NPT conduit mounting
- 10' Power and Dimming cables included with each luminaire
- Electrical components and CCT / Power switches are kept dry and clean with the securely fastened coin plug
- Die-cast aluminum housing
- Polycarbonate lens
- Change CCT and Power with accessible switches
- The secured cable ensures that the coin plug is never lost

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	Aluminum 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
69651	Bluetooth Mesh PIR sensor OSI-PIR106	All configurations
69444 <sup>1</sup>	External High Frequency sensor kit EFS06R	All configurations
69640 <sup>1</sup>	External PIR sensor kit OSI-EFS07-AUX	All configurations
69080	Remote control RM51	69444, 69640
69013 <sup>2</sup>	External Rugby emergency back-up BLD-RM30R	All configurations
69014	Remote control Rugby EM back-up RN51M	69013

<sup>1</sup> To change factory setting, purchase remote 69080 (sold separately)

<sup>2</sup> To manually test in EM mode remote 69014 can be purchased separately

**COMPATIBLE DIMMERS<sup>1</sup>**

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

Dimming range: 10%-100%

<sup>1</sup> 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.

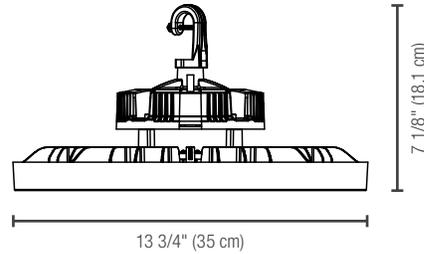
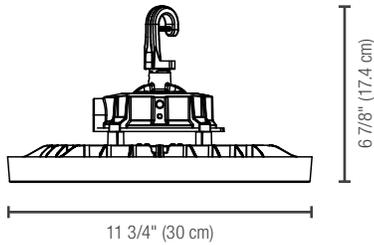


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**DIMENSIONS AND WEIGHTS**

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)	Remote1	Location (°C)
69444	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
69640	External	120-347 (12 V DC)	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 +40
69651	External	120-347 (12 V DC)	Bluetooth & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Dry and Damp, -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)	Remote1	Location (°C)
69444	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
69640	External	120-347 (12 V DC)	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 +40
69651	External	120-347 (12 V DC)	Bluetooth & PIR	40 (max)	100	See App Instructions	See App Instructions	See App Instructions	See App Instructions	See App Instructions	N/A	Dry and Damp, -30 to +40

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

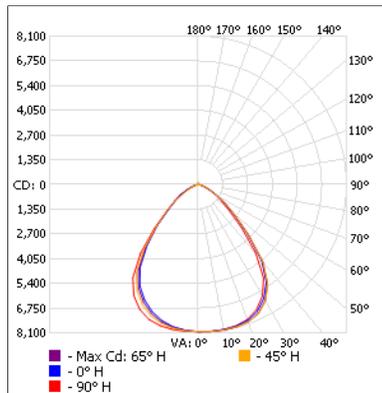
<sup>1</sup> To be ordered separately.

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**PHOTOMETRIC DATA<sup>1</sup>**

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

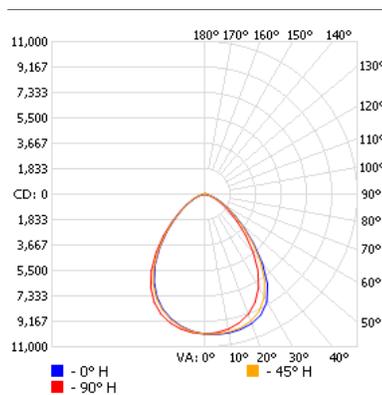
**Illuminance at a distance**

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

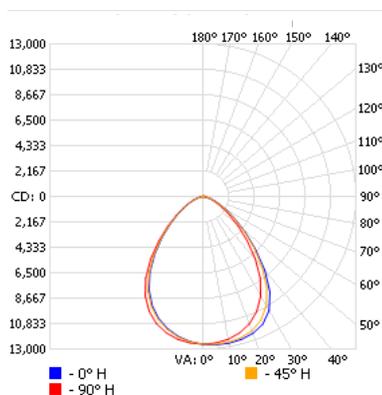
**Illuminance at a distance**

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°

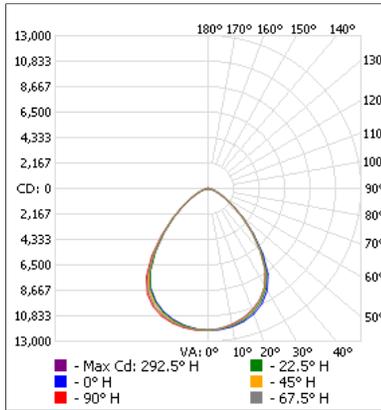
<sup>1</sup> Complete IES files available on our website.

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**PHOTOMETRIC DATA<sup>1</sup>**

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

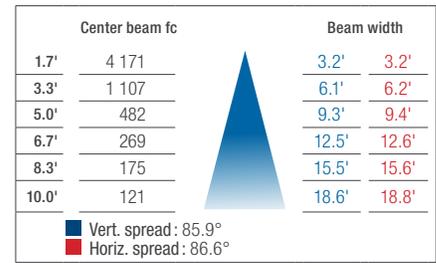
**Polar candela distribution**



**Zonal lumen summary**

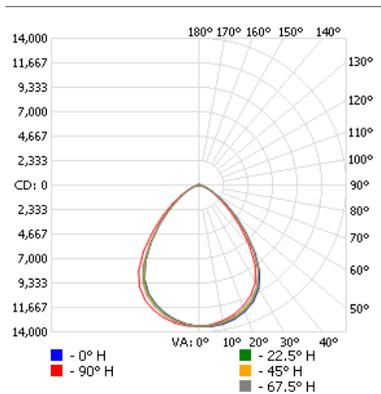
Zone	Lumens	% Fixture
0-30	9 321.6	40.2
0-40	14 725.2	63.5
0-60	21 360.3	92
60-90	1 759.7	7.6
70-100	586.1	2.5
90-120	10.3	0
0-90	23 120.0	99.6
90-180	87.4	0.4
0-180	23 207.4	100

**Illuminance at a distance**



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

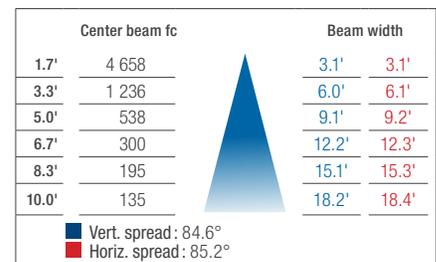
**Polar candela distribution**



**Zonal lumen summary**

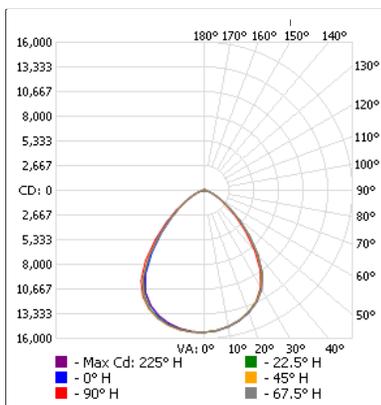
Zone	Lumens	% Fixture
0-30	10 312.2	40.6
0-40	16 186.0	63.7
0-60	23 287.6	91.6
60-90	1 902.8	7.5
70-100	640.2	2.5
90-120	40.8	0.2
0-90	25 190.4	99.1
90-180	220.7	0.9
0-180	25 411.1	100

**Illuminance at a distance**



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

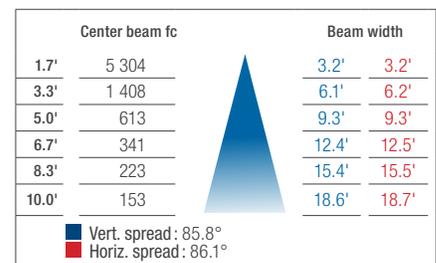
**Polar candela distribution**



**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**



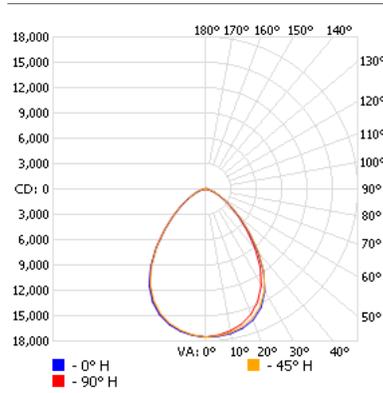
<sup>1</sup> Complete IES files available on our website.

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**PHOTOMETRIC DATA<sup>1</sup>**

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

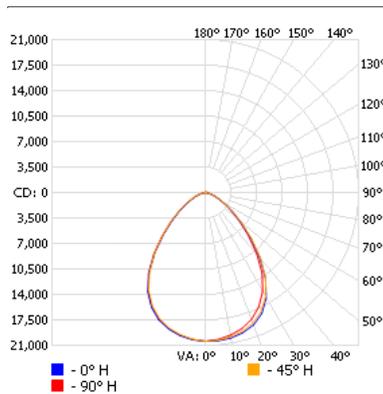
**Illuminance at a distance**

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°

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