

Series Spec Sheet

HRV CHOICE

ECONOMICAL AND HIGH PERFORMING LED ROUND HIGH BAY

3 CCT AND 3 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
- 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 102 000 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
- DLC Premium
- BC Hydro

OVERVIEW

Light source	LED
Watts (W)	100/120/150 150/180/200 150/200/240 240/270/300
Lumen output (lm)	15 333-45 316
Efficacy (lm/W)	138-178
Color temperature (K)	3CCT (3 500/4 000/5 000)
CRI	80+
Weight (lbs)	4.9-8.7



70595



70596



70597/70598



70599



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 ⁵	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	Beam angle (°)	Power factor	THD (%)	Master case qty
CCT and Power Selectable														
70595	HRV-PS150-Q-3C-B/CHOICE	S-J8QZ8G	100/120/150	120-347	3 500/4 000/5 000	15 333-23 700	158	80+	>102 000	>17 000	90	≥0.90	≤20	1
70596	HRV-PS150-Q-3C-W/CHOICE	S-J8QZ8G	100/120/150	120-347	3 500/4 000/5 000	15 333-23 700	158	80+	>102 000	>17 000	90	≥0.90	≤20	1
70597	HRV-PS200-Q-3C-B/CHOICE	S-G3WD3Q	150/180/200	120-347	3 500/4 000/5 000	22 000-31 898	164	80+	>102 000	>17 000	90	≥0.90	≤20	1
70598	HRV-PS240-Q-3C-B/CHOICE	S-QH28W7	150/200/240	120-347	3 500/4 000/5 000	22 839-35 948	160	80+	>102 000	>17 000	90	≥0.90	≤20	1
70599	HRV-PS300-Q-3C-B/CHOICE	S-OWF85L	240/270/300	120-347	3 500/4 000/5 000	36 000-45 316	163	80+	>102 000	>17 000	90	≥0.90	≤20	1

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 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)
70595	HRV-PS150-Q-3C-B/CHOICE	100	15 800	158	16 667	167	15 333	153
		120	19 200	160	20 250	169	18 750	156
		150	20 700	138	23 700	158	22 650	151
70596	HRV-PS150-Q-3C-W/CHOICE	100	15 800	158	16 667	167	15 333	153
		120	19 200	160	20 250	169	18 750	156
		150	20 700	138	23 700	158	22 650	151
70597	HRV-PS200-Q-3C-B/CHOICE	150	22 000	147	24 000	160	22 500	150
		180	26 500	147	29 000	161	27 000	150
		200	29 500	148	31 898	164	29 940	147
70598	HRV-PS240-Q-3C-B/CHOICE	150	22 839	160	23 921	174	23 074	161
		200	29 006	150	30 884	167	28 788	150
		240	34 256	141	35 948	160	33 292	142
70599	HRV-PS300-Q-3C-B/CHOICE	240	36 000	150	38 000	168	36 500	152
		270	39 000	144	41 500	160	39 500	146
		300	42 203	143	45 316	163	42 815	146

DEFAULT PROGRAMMING

70595: 150 W / 4 000 K
 70596: 150 W / 4 000 K
 70597: 200 W / 4 000 K
 70598: 240 W / 4 000 K
 70599: 300 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	70595, 70597, 70598, 70599
69660	1/2 NPT Male to 3/4 NPT Female adapter with white junction box	70596
HAR1159	1/2 NPT Male to 3/4 NPT Female conduit adapter	All configurations
68819	Trunnion 100W-180W Black	70595, 70597, 70598, 70599
69661	Trunnion 100W-180W White	70596
69629	Stainless steel safety cable (10 ft)	All configurations
70600	Aluminium reflector 100W-180W	70595, 70596
70601	Aluminum reflector 200W-240W	70597, 70598
70602	Aluminum reflector 300W	70599
70603	PC reflector 100W-180W	70595, 70596
70604	PC reflector 200W-240W	70597, 70598
70605	PC reflector 300W	70599
70606	PC reflector 100W-240W	70595, 70596, 70597, 70598
70607	PC reflector cover 300W	70599
70608	Stainless steel wireguard 100-180W	70595, 70596
70609	Stainless steel wireguard 200-240W	70597, 70598
70610	Stainless steel wireguard 300W	70599
70571 ^{1,2,3}	External High Frequency sensor kit EFS06R-B1	All configurations
69640 ^{1,2,3,4}	External PIR sensor kit OSI-EFS07-AUX	All configurations
69080	Remote control RM51	70571, 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 70600, 70601, 70602, 70603, 70604, 70605, 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 70600, 70601, 70602, 70603, 70604, 70605

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

SMART ACCESSORIES (order separately)

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	Genio Bluetooth® Mesh Wet Location External Fixture Controller Black CTRL-KBC1-002	69651
70274 ²	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 70600, 70601, 70602, 70603, 70604, 70605

² Not for use in NSF environment

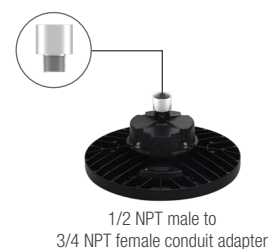
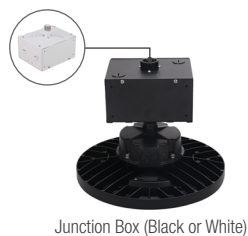
COMPATIBLE DIMMERS¹

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

Dimming range: 10%-100%

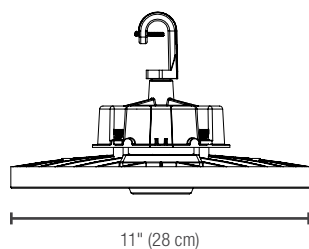
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read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

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.

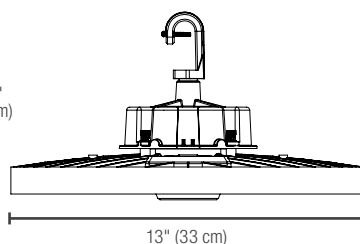


DIMENSIONS AND WEIGHTS

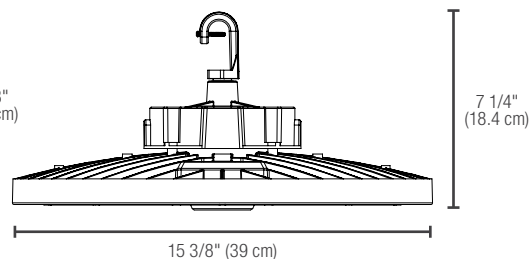
100/120/150 W



150/180/200 W 150/200/240 W



240/270/300 W



	100-180 W Models	200-240 W Models	300 W Model
Diameter in. (cm)	11 (28)	13 (33)	15.4 (39.0)
Height in. (cm)	6.7 (16.9)	6.9 (17.4)	7.2 (18.4)
Net weight (lbs)	4.9	6.6	8.7

OCCUPANCY SENSORS

BI-LEVEL SENSORS

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

Order Code	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)
70571	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

Order Code	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)
70571	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%

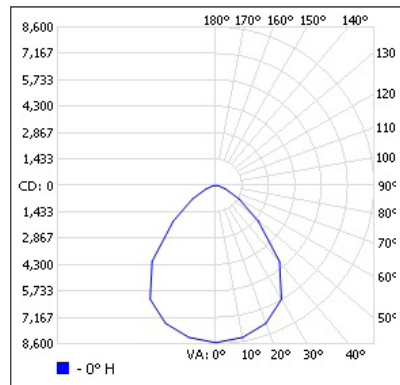
¹ To be ordered separately.

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.

PHOTOMETRIC DATA¹

70595/70596 • HRV-PS150-Q-3C-[B,W]/CHOICE • 100 W • 4 000 K • 17 168 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 590.7	38.4
0-40	10 490.5	61.1
0-60	15 684.2	91.4
60-90	1 484.0	8.6
0-90	17 168.2	100

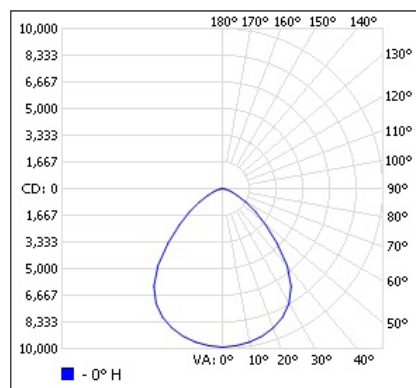
Illuminance at a distance

Center beam fc	Beam width
1.7	2 954
3.3	784
5.0	341
6.7	190
8.3	124
10.0	85.4

■ Vert. spread : 89.4°

70595/70596 • HRV-PS150-Q-3C-[B,W]/CHOICE • 120 W • 4 000 K • 19 887 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	7 686.6	38.7
0-40	12 281.7	61.8
0-60	18 263.0	91.8
60-90	1 623.9	8.2
0-90	19 886.9	100

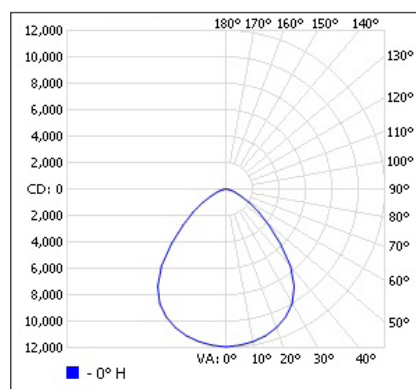
Illuminance at a distance

Center beam fc	Beam width
1.7	3 428
3.3	910
5.0	396
6.7	221
8.3	144
10.0	99.1

■ Vert. spread : 88.9°

70595/70596 • HRV-PS150-Q-3C-[B,W]/CHOICE • 150 W • 4 000 K • 23 999 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 266.2	38.6
0-40	14 815.5	61.7
0-60	22 040.1	91.8
60-90	1 958.4	8.2
0-90	23 998.6	100

Illuminance at a distance

Center beam fc	Beam width
1.7	4 128
3.3	1 095
5.0	477
6.7	266
8.3	173
10.0	119

■ Vert. spread : 89.1°

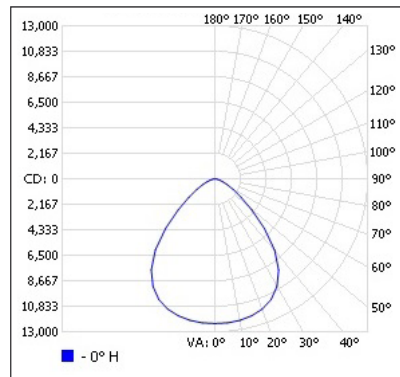
¹ Complete IES files available on our website.

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

PHOTOMETRIC DATA¹

70597 • HRV-PS200-Q-3C-B/CHOICE • 150 W • 4 000 K • 24 443 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 748.9	39.9
0-40	15 577.9	63.7
0-60	22 659.9	92.7
60-90	1 782.6	7.3
0-90	24 442.5	100

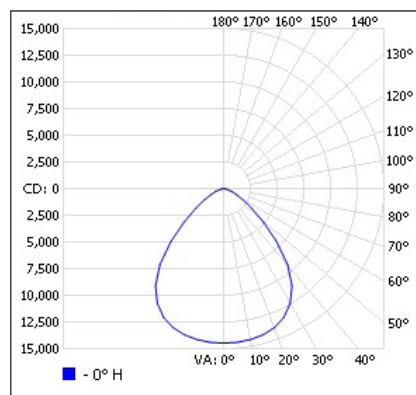
Illuminance at a distance

Center beam fc	Beam width
1.7	4 254
3.3	1 129
5.0	492
6.7	274
8.3	178
10.0	123

■ Vert. spread : 88.9°

70597 • HRV-PS200-Q-3C-B/CHOICE • 180 W • 4 000 K • 28 767 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	11 473.7	39.9
0-40	18 334.0	63.7
0-60	26 668.8	92.7
60-90	2 098.0	7.3
0-90	28 766.8	100

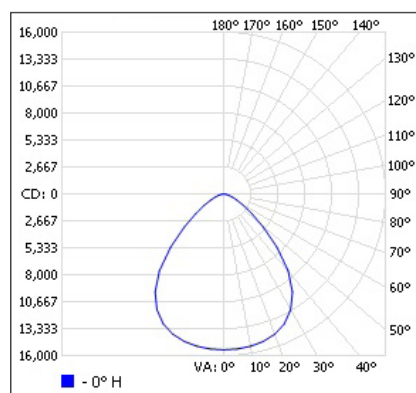
Illuminance at a distance

Center beam fc	Beam width
1.7	5 007
3.3	1 329
5.0	579
6.7	322
8.3	210
10.0	145

■ Vert. spread : 88.9°

70597 • HRV-PS200-Q-3C-B/CHOICE • 200 W • 4 000 K • 30 629 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	12 216.4	39.9
0-40	19 520.7	63.7
0-60	28 395.1	92.7
60-90	2 233.8	7.3
0-90	30 628.9	100

Illuminance at a distance

Center beam fc	Beam width
1.7	5 331
3.3	1 415
5.0	616
6.7	343
8.3	224
10.0	154

■ Vert. spread : 88.9°

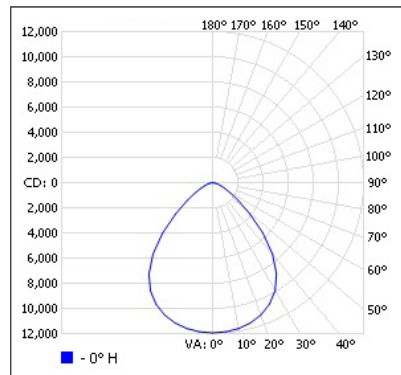
¹ Complete IES files available on our website.

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

PHOTOMETRIC DATA¹

70598 • HRV-PS240-Q-3C-B/CHOICE • 150 W • 4 000 K • 22 970 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 268.8	40.4
0-40	14 724.4	64.1
0-60	21 354.0	93
60-90	1 616.2	7
0-90	22 970.2	100

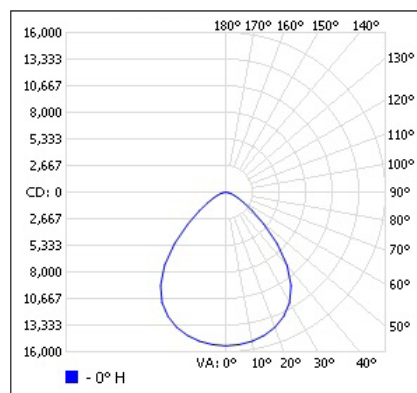
Illuminance at a distance

Center beam fc	Beam width
1.7	4 129
3.3	1 096
5.0	477
6.7	266
8.3	173
10.0	119

■ Vert. spread : 88.1°

70598 • HRV-PS240-Q-3C-B/CHOICE • 200 W • 4 000 K • 29 674 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	11 943.9	40.3
0-40	18 984.5	64
0-60	27 558.6	92.9
60-90	2 115.4	7.1
0-90	29 674.0	100

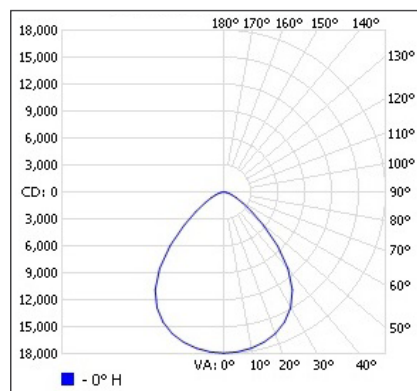
Illuminance at a distance

Center beam fc	Beam width
1.7	5 328
3.3	1 414
5.0	616
6.7	343
8.3	224
10.0	154

■ Vert. spread : 88.1°

70598 • HRV-PS240-Q-3C-B/CHOICE • 240 W • 4 000 K • 34 532 LM

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	13 903.8	40.3
0-40	22 109.7	64
0-60	32 097.0	92.9
60-90	2 434.9	7.1
0-90	34 532.0	100

Illuminance at a distance

Center beam fc	Beam width
1.7	6 205
3.3	1 647
5.0	717
6.7	400
8.3	260
10.0	179

■ Vert. spread : 88.0°

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

