

*Individual Spec Sheet*

# HRV CHOICE

## ECONOMICAL AND HIGH PERFORMING LED ROUND HIGH BAY

3 CCT and 3 Power Selectable

### ORDERING INFORMATION

**Order Code:** 70599  
**Model Number:** HRV-PS300-Q-3C-B/CHOICE  
**UPC:** 069549035867  
**Case Quantity:** 1  
**DLC Unique ID:** S-0WF85L

### PHYSICAL DATA

**Lens Material:** Clear polycarbonate  
**Housing Material:** Black aluminum  
**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).  
 All configurations include a 10' power cable and 10' dimming cable

### PERFORMANCE DATA

**Watts (W):** 240/270/300  
**Volts (V AC):** 120-347  
**Color Temperature (K)<sup>1</sup>:** 3 CCT (3 500/4 000/5 000)  
**Lumen Output (lm)<sup>2</sup>:** 36 000-45 316  
**Efficacy (lm/W):** 143-168  
**CRI:** 80  
**Life L70 (h)<sup>3</sup>:** 102 000  
**Tested LM-80 (h)<sup>3</sup>:** 17 000  
**Dimming:** 0-10 V  
**Power Factor:** > 0.90  
**THD (%):** < 20  
**Surge Protection (kV):** 6  
**IP Rating:** IP65  
**Operating Temp. Range:** -40 °C to 50 °C (-40 °F to 122 °F)  
**NEMA and NSF Type:** NEMA 4X and NSF certified (Splash Zone and Non Food Zone)

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

### LUMEN SPECIFICATION TABLE

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)
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

300 W / 4 000 K

This lighting equipment meets requirements of ICES-005 issue 5 class A for use in commercial applications. Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.



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](http://www.designlights.org/search).

**COMPATIBLE ACCESSORIES (order separately)**

Order code	Description
68818	1/2 NPT Male to 3/4 NPT Female adapter with black junction box
HAR1159	1/2 NPT Male to 3/4 NPT Female conduit adapter
68819	Trunnion 100 W-180 W Black
69629	Stainless steel safety cable (10 ft)
70602	Aluminium reflector 300 W
70605	PC reflector 300 W
70607	PC reflector cover 300 W
70610	Stainless steel wireguard 300 W
70571 <sup>1,2,3</sup>	External High Frequency sensor kit EFS06R-B1
69640 <sup>1,2,3,4</sup>	External PIR sensor kit OSI-EFS07-AUX
69013 <sup>5</sup>	External Rugby emergency back-up BLD-RM30R
69014	Remote control Rugby EM back-up RN51M
70247	External 10 kV surge protector
70248	External 20 kV surge protector

<sup>1</sup> 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.  
<sup>2</sup> To change the factory setting, purchase remote 69080 (sold separately).  
<sup>3</sup> Not for use in NSF environment.  
<sup>4</sup> PIR sensor detection range is significantly reduced when used in conjunction with reflectors 70600, 70601, 70602, 70603, 70604, 70605.  
<sup>5</sup> To manually test in EM mode remote 69014 can be purchased separately.

**SMART ACCESSORIES (order separately)** 

Order code	Type
69651 <sup>1,2</sup>	Genio Bluetooth® Mesh PIR sensor OSI-PIR106
70002 <sup>1,2</sup>	Genio Bluetooth® Mesh Wet Location External PIR sensor Black OSI-PIR106-W
70276 <sup>1,2</sup>	Genio Bluetooth® Mesh Wet Location External PIR sensor White OSI-PIR106-W-WH
70000 <sup>2</sup>	Genio Bluetooth® Mesh Wet Location External Fixture Controller Black CTRL-KBC1-002
70274 <sup>2</sup>	Genio Bluetooth® Mesh Wet Location External Fixture Controller White CTRL-KBC1-005

<sup>1</sup> 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.  
<sup>2</sup> Not for use in NSF environment.

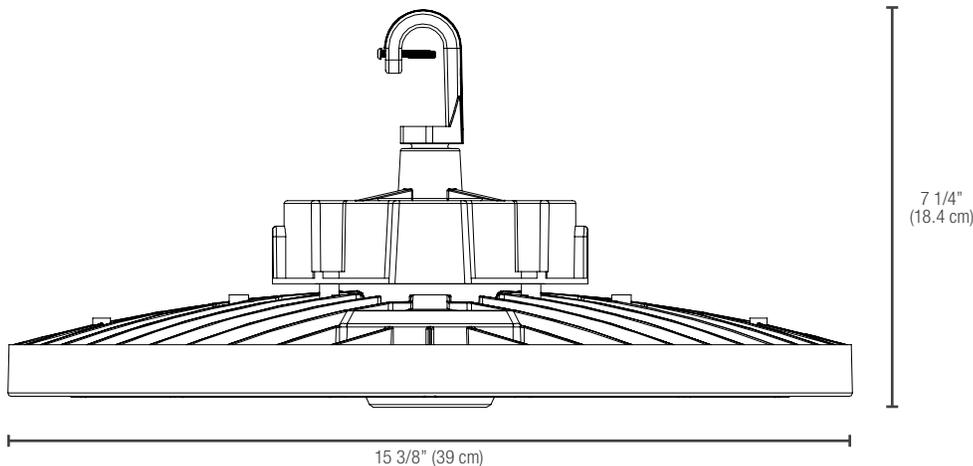
**COMPATIBLE DIMMERS<sup>1</sup>**

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

<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.

Dimming range: 10 %-100 %

**DIMENSIONS AND WEIGHTS**



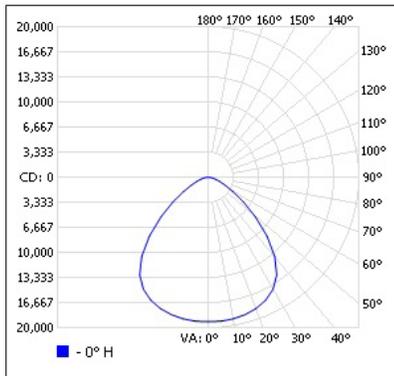
Net weight (lbs)	8.7
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**PHOTOMETRIC DATA<sup>1</sup>**

**70599 • HRV-PS300-Q-3C-B/CHOICE • 240 W • 4 000 K • 42 818 LM**

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	15 462.3	36.1
0-40	25 250.4	59
0-60	38 881.8	90.8
60-90	3 936.3	9.2
0-90	42 818.1	100

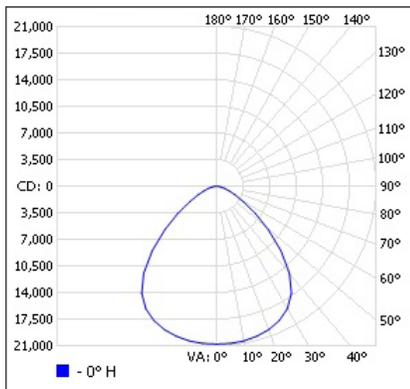
**Illuminance at a distance**

Center beam fc		Beam width	
1.7	6 647	3.7'	3.7'
3.3	1 764	7.2'	7.2'
5.0	768	10.8'	10.9'
6.7	428	14.5'	14.6'
8.3	279	18.0'	18.1'
10.0	192	21.7'	21.8'

■ Vert. spread : 94.6°  
■ Horiz. spread : 95.0°

**70599 • HRV-PS300-Q-3C-B/CHOICE • 270 W • 4 000 K • 46 480 LM**

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	16 729.1	36
0-40	27 346.5	58.8
0-60	42 185.5	90.8
60-90	4 294.9	9.2
0-90	46 480.4	100

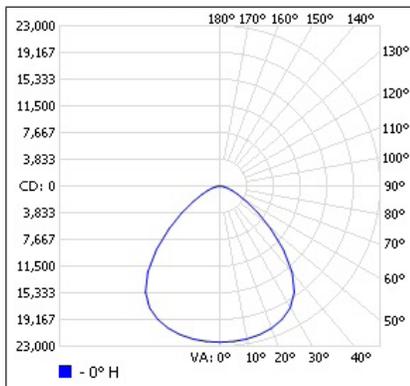
**Illuminance at a distance**

Center beam fc		Beam width	
1.7	7 190	3.7'	3.7'
3.3	1 908	7.2'	7.2'
5.0	831	10.9'	10.9'
6.7	463	14.7'	14.7'
8.3	302	18.2'	18.2'
10.0	208	21.9'	21.9'

■ Vert. spread : 95.2°

**70599 • HRV-PS300-Q-3C-B/CHOICE • 300 W • 4 000 K • 50 028 LM**

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	18 079.0	36.1
0-40	29 567.0	59.1
0-60	45 494.6	90.9
60-90	4 533.6	9.1
0-90	50 028.2	100

**Illuminance at a distance**

Center beam fc		Beam width	
1.7	7 751	3.7'	3.7'
3.3	2 057	7.2'	7.2'
5.0	896	10.9'	10.9'
6.7	499	14.6'	14.6'
8.3	325	18.1'	18.1'
10.0	224	21.8'	21.8'

■ Vert. spread : 95.0°

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

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