

Phuzion™

LED High Bay



Catalog Number	
Notes	Type

Intended Use

For applications with mounting heights ranging from 15-45 ft.

Optics

- Prismatic borosilicate glass maintains highest levels of luminosity over time.
- Glass doesn't fade, discolor or otherwise degrade in harsh environments.
- Two distributions (narrow and wide) available to maximize versatility.
- Highly engineered LED system ensures superior uniformity and maximizes spacing.
- IP65 rated optics.

Electrical

- 0-10V dimming driver is standard.
- CRI > 70 (nominal) is standard.
- 4000K or 5000K CCT available.
- Fault-tolerant LED light engine continues to provide light even in the failure of one LED.
- Aluminum core printed circuit board.

Mechanical

- Robust cast aluminum housing with low copper content (0.6% CU content) withstands hot and dirty environments.
- Pendant mount standard.
- Achieves up to 149°F (65°C) ambient rating.

Listings

- CSA Certified for use in damp locations, 65°C ambient environments.
- DesignLights Consortium qualified.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

Typical Applications

- Heavy industrial
- Light manufacturing
- Warehousing
- Large indoor

Dimensions: Inches (millimeters) unless otherwise noted.

Diameter: 21.22 (538.99)
Height: 19.02-23.46 (483.11-595.88)
Weight: 33-38 lbs. (15.0-17.2 kg)

ORDERING INFORMATION

Example: PHZ 18L 4K AS P G W

Series	Lumens ¹	Color temperature	Voltage	Mounting	Finish	Optics
PHZ	18L 18,000 lumens	4K 4000K CCT	AS Auto sensing (120-277)	P Pendant	W White	N Narrow
	24L 24,000 lumens	5K 5000K CCT	12 120V	Q Quick disconnect	G Gray	M Medium
			20 208V	N Non-disconnect thru-wiring	L Satin nickel paint	W Wide
			24 240V	QR Quick disconnect retrofit	TDC Tiger Drylac paint	
				NR Non-disconnect thru-wiring retrofit		
Options						
SBR6	360° motion sensor embedded, high bay 15-45 ft., on/off. ^{1,3}	F1 Single fusing ⁴	LP Loop, 3/4" male	SPAS Surge protector, 120V-277V		
SBR6D	360° motion sensor embedded, high bay 15-45 ft., on/off with second time-out period, goes to a dimmed state before turning off max./min. dim setting. ^{1,3}	F2 Double fusing ⁵	PF-129 Anti-rotational hook, 3/4" male	SPAH Surge protector, 347V-480V		
		CDP-L5-15-X 120V cord and plug ^{6,7}	PF-105 Loop, 3/4" male	D Dimming terminal ⁸		
		CDP-L6-15-X 208V/240V cord and plug ^{6,7}	PF-121-A Safety hook, 3/4" male	PHCB Powerhook cord for 120V-277V, 347V ⁹		
SBR6P	Photocell with two selectable modes of operation. Defaults to on/off mode. Photocell has full control during periods of occupancy. ^{1,3}	CDP-L7-15-X 277V cord and plug ^{6,7}	CD-3 3 ft. cord ⁶	PHCB-L8-480 Powerhook cord for 480V ⁹		
		CDP-L24-20-X 347V cord and plug ^{6,7}	CD-6 6 ft. cord ⁶			
		CDP-L8-20-X 480V cord and plug ^{6,7}	CD-X X ft. cord ^{6,7}		WG Wire guard installed	

Accessories: Order as separate catalog number.

ILCHAIN3 3 ft. safety chain	UPH-35-L8-480-WH Thru-way powerhook for 480V	PF-129-A Anti-rotational hook, 3/4" male
ILCHAIN6 6 ft. safety chain	UPH-36-***-WH Powerhook for 120V, 208V, 240V, 277V and 347V ¹⁰	PF-105-B Loop, 3/4" male
ILCHAINX X ft. safety chain ⁷	UPH-36-L8-480-WH Pendant powerhook for 480V	PF-121-A Safety hook, 3/4" male
UPH-35-***-WH Thru-way powerhook for 120V, 208V, 240V, 277V and 347V ¹⁰	PF-116-A Loop, 3/4" female	WGLED Wire guard
	PF-122-A Safety hook, 3/4" female	

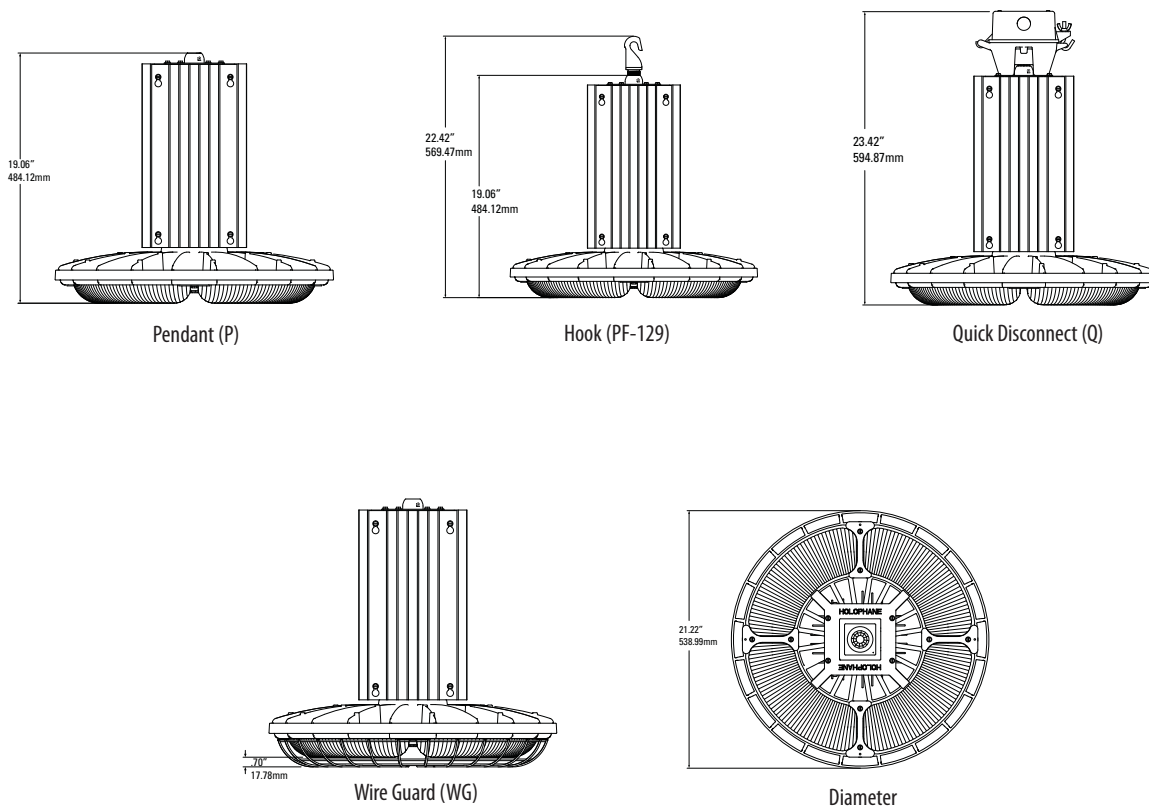
For footnotes, see page 2.

ORDERING INFORMATION (cont'd.)

Notes

- 1 120V, 277V and 347V only; not available with "D" option.
- 2 60°C max. ambient.
- 3 50°C max. ambient.
- 4 For 120V, 240V, 277V and 347V units; factory installed.
- 5 For 208V, 240V and 480V units; factory installed.
- 6 Order PF also; 3ft. to 6ft. standard cord length.
- 7 X = Length of cord/chain in feet; 6 feet is standard.
- 8 Not available with SBR sensors.
- 9 Order UPH also, PF-105 installed.
- 10 *** = Voltage.

DIMENSIONAL DATA



OPERATIONAL DATA

Operating Characteristics

Package	Ambient Rating (120V - 277V)	Ambient Rating (347V / 480V)	Distribution	Delivered Lumens 5000K CCT	Delivered Lumens 4000K CCT	Wattage @ 120V	LPW @ 5000K	LPW @ 4000K
PHZ 18L	-40°F to 149°F (-40°C to 65°C)	-40°F to 140°F (-40°C to 60°C)	N W	19,855 19,639	18,428 18,228	190 190	104 103	97 96
PHZ 24L	-40°F to 149°F (-40°C to 65°C)	-40°F to 140°F (-40°C to 60°C)	N W	25,207 25,760	23,396 23,909	250 250	101 103	93 95

Ambient Temperature Ratings

Mounting	Thru-wire	Fuse, Surge	Occupancy Sensor	QDH or Non-disconnect	Voltage	Ambient Rating	Supply Wire Temperature
Ceiling	Yes	Yes	Yes	Yes	120-277 347 (no 480 sensor)	122°F (50°C)	194°F (90°C)
Ceiling	Yes	Yes	No	Yes	120-277 347-480	131°F (55°C)	194°F (90°C)
Ceiling	Yes	Yes	No	Yes	120-277	149°F (65°C)	221°F (105°C)
Ceiling	Yes	Yes	No	Yes	347-480	140°F (60°C)	221°F (105°C)
Ceiling	No	Yes	No	Yes	120-277	149°F (65°C)	194°F (90°C)
Ceiling	No	Yes	No	Yes	347-480	140°F (60°C)	194°F (90°C)
Pendant	No	Yes	Yes	No	120-277 347 (no 480 sensor)	122°F (50°C)	194°F (90°C)
Pendant	No	Yes	No	No	120-277 347-480	149°F (65°C)	194°F (90°C)

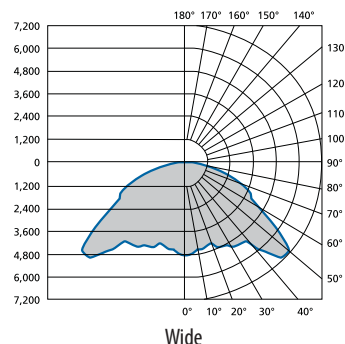
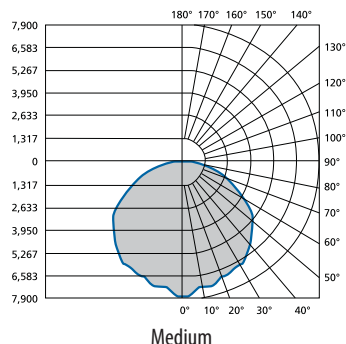
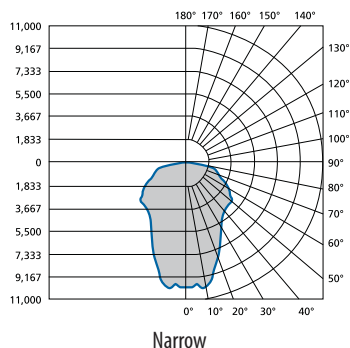
Projected Lumen Maintenance¹

Package	0 Hours	15,000 Hours	30,000 Hours	45,000 Hours	60,000 Hours ²	100,000 Hours
PHZ 18L	1.0	0.96	0.95	0.94	0.93	0.91
PHZ 24L	1.0	0.96	0.95	0.94	0.93	0.91

Notes

- 1 Project lumen maintenance factors at 55°C ambient temperature per lumen package.
- 2 TM-21-11 allows projection of L70>60,000 hours; LM-80-08 data calculates listed lumen maintenance factor at 60,000 hours (based on 10,000 hours of testing).

DISTRIBUTION DATA



CONTROLS



SBR6, SBR6D, SBR6P Coverage Data

- Best choice for 15 to 45 ft. (4.57 to 13.72 m) mounting heights
- 15 to 20 ft. (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Large motion (e.g., walking) detection up to a 35-ft. (10.76 m) mounting height
- Extra large motion (e.g., forklifts) detection up to a 45-ft. (13.72 m) mounting height

