

PV – Pivot® LED

TYPE

- Uses the same fixture modules for individual or continuous row applications
- Applications include floodlighting, sign lighting, indirect lighting
- Orient as an uplight or downlight
- Wet location for exterior use in any orientation
- Continuous rows feature an unbroken wash of light with no shadows at the fixture connections
- 3000K, 4000K and 5000K CCT
- 0-10V dimming ready
- Integral surge protection
- IP65
- Powder coat finish in thirteen standard colors with a polymer primer
- DLC QPL pending



PV

1. LUMINAIRE	2. COLOR	3. MOUNTING	4. OPTIONS
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

1. LUMINAIRE

LED (26.25" Housing Length, 5300 Series Light Engine. Diffused acrylic lens, 60.3 watts)

- PV-5350D-24 (5000K)
- PV-5340D-24 (4000K)
- PV-5330D-24 (3000K)

LED (26.25" Housing Length, 2800 Series Light Engine. Diffused acrylic lens, 30.1 watts)

- PV-2850D-24 (5000K)
- PV-2840D-24 (4000K)
- PV-2830D-24 (3000K)

LED (50" Housing Length, 5300 Series Light Engine. Diffused acrylic lens, 120.6 watts)

- PV-5350D-48 (5000K)
- PV-5340D-48 (4000K)
- PV-5330D-48 (3000K)

LED (50" Housing Length, 2800 Series Light Engine. Diffused acrylic lens, 60.2 watts)

- PV-2850D-48 (5000K)
- PV-2840D-48 (4000K)
- PV-2830D-48 (3000K)

LED (99" Housing Length, 5300 Series Light Engine. Diffused acrylic lens, 241.2 watts)

- PV-5350D-96 (5000K)
- PV-5340D-96 (4000K)
- PV-5330D-96 (3000K)

LED (99" Housing Length, 2800 Series Light Engine. Diffused acrylic lens, 120.4 watts)

- PV-2850D-96 (5000K)
- PV-2840D-96 (4000K)
- PV-2830D-96 (3000K)

2. COLOR

Standard Color	Premium Color
WH Arctic White	SHK Shamrock
BL Black	SPP Salt and Pepper
BLT Matte Black	SFM Seafoam
DB Dark Bronze	WCP Weathered Copper
DGN Dark Green	RAL RAL 4 digit Color
TT Titanium	CUSTOM Custom Color
WDB Weathered Bronze	
MDB Bronze Metallic	
VBU Verde Blue	
CRT Corten	
MAL Matte Aluminum	
MG Medium Grey	
AGN Antique Green	
LG Light Grey	

3. MOUNTING

End hub(s) (Set of two hubs for single fixture or to terminate the ends of a continuous row)

SHA (Set of 2 brackets with one solid and one 1/2"NPS threaded end cap, used to terminate the ends of a continuous row)

HB (Set of 2 end hubs and wall plates)-add dimensions 1 1/8"

HBS (Set of 2 end hubs and wall plates)

HBL96 (Set of 2 end hubs and wall plates)

HBC (Set of 2 end hubs and wall plates)

Intermediate hub(s) (One hub to connect two inline fixtures in a continuous row)

Bracket Arm 200° rotation

SHAX (One intermediate bracket. Can be used in combination with the HB arms)

Very Short Arms 200° rotation

HBX (One intermediate hub and wall plate)

Long Straight Arms 360° rotation

HBLX (One intermediate hub and wall plate)

HBSX (One intermediate hub and wall plate)

Not available with 96" configuration.

Curved Arms 360° rotation

HBCX (One intermediate hub and wall plate)

HBLX (One intermediate hub and wall plate)

Not available with 96" configuration.

An 8"/200mm center hub to pendant mount two (2) individual fixtures of any length. Fixtures can be oriented for uplight or downlight. All wiring is concealed within the hub. The stem is 48"/1220mm long. The ceiling canopy includes an internal ball and socket assembly. The hub, stem and canopy are painted to match the fixture.

4. OPTIONS

EFW (Optional end cap(s) if an intermediate hub is used at the end of a row. Two caps are provided; one solid and one with 1/2" NPS threads. The cap is sealed with an o-ring for a water tight connection. Not for use with SHA)

SLD (External lens shield attaches to each end cap. For uplight or downlight. Available for all individual fixtures, continuous rows)

SLD-24 (for 24" long fixtures)

SLD-48 (for 48" long fixtures)

SLD-96 (for 96" long fixtures)

SPECIFICATIONS

HOUSING

- Lamp housing shall be extruded 6061 T-6 aluminum with gasketed, die-cast aluminum end plates.
- Lens shall be molded optical grade acrylic and sealed with a silicone gasket and secured to the housing with a full length, rotating lever bar that locks the lens for a water tight seal.
- For tamper resistance, captive screws along the lever must be loosened to allow the lever to rotate.
- Hardware shall be stainless steel.

OPTICAL MODULE

- Interior optical surfaces shall be painted in a high reflectance white finish for diffusion of lamp imaging and optimal lumen output.

ELECTRICAL

- Luminaires shall accept 120 thru 277 50/60Hz input voltage have integral surge protection and wire leads for controls.
- Drivers shall be U.L recognized, have a minimum starting temperature of -30°C and have a 0-10v dimming interface with a dimming range of 10-100%.
- Drivers shall have a power factor ≥.90 and THD of ≤20% at full load with an inrush current maximum of <20.0 Amps maximum at 230VAC.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems
- Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.
- Surge protector shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.

INSTALLATION

- Estimated time for installation for a single luminaire is 15 minutes

SERVICING

- Depression of the lever bar releases the lens for service access. The electrical assembly shall be mounted to a prewired internal service tray and accessed by removal of the lens. Removal of two screws at either end of the electrical assembly shall enable the electrical assembly to be removed from the luminaire for service.



ARCHITECTURAL AREA LIGHTING
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JOB	_____
TYPE	_____
NOTES	_____

MOUNTING

- Rotating hubs shall be solid machined aluminum with extruded 6061 T-6 aluminum arms and cast aluminum wall cover plates. Hubs may be rotated by loosening two hex head set screws on each hub. Connections shall be sealed with an internal silicone o-ring. Internal through wiring shall be 18 AWG wire and shall extend on both ends of the fixture with butt connectors for easy termination.
- The pendant mount shall be a two-piece extruded aluminum module with an access plate on each end. Fixture wiring shall be inside the pendant module and rated for wet location use.

FINISH

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

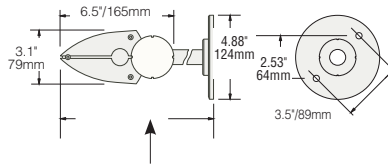
- Luminaire shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250. IP65.

WARRANTY / TERMS AND CONDITIONS OF SALE

Download:
<http://www.hubbellighting.com/resources/warranty/>

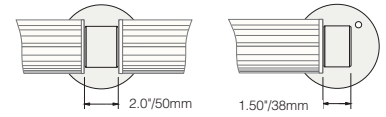
AAL reserves the right to change product specifications without notice.

DIMENSIONAL DATA FOR INDIVIDUAL FIXTURES WITH HUBS

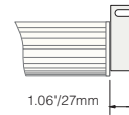
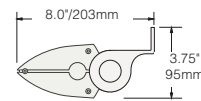


HB/HBX 8.0"/203mm
 HBS/HBSX 11.0"/279mm
 HBL/HBLX* 29.5"/749mm
 *Not available with 96° configuration
 HBC/HBCX
 20.0"/508mm height: 5.0"/127mm
 (Dimensions are hub center to wall plate center)

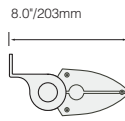
HUBS WITH ARMS AND WALL PLATES



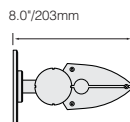
BRACKET ARM



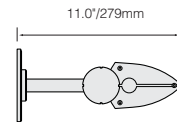
DIMENSIONS



BRACKET ARM
SHA



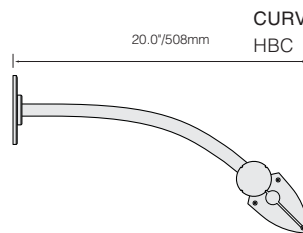
VERY SHORT ARMS
HB



SHORT ARMS
HBS



LONG STRAIGHT ARMS
HBL



CURVED ARMS
HBC



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PERFORMANCE DATA

Acrylic diffused lens, 7H x 7W flood distribution

Housing Length	Light Engine	Weight	Average System Watts	Ordering Code	Delivered Lumens	Efficacy (Lm/W)	LED Color Characteristics			
							CCT Average	CCT Range	CRI Minimum	S/P Ratio
24"	5300 Series	9.2	60	PV-5350D-24	5350	89	5100K	4600K-5600K	≥70	1.78
				PV-5340D-24	4467	74	4200K	3800K-4600K	≥80	1.66
				PV-5330D-24	4280	71	3000K	2800K-3175K	≥80	1.33
	2800 Series	9.2	30	PV-2850D-24	2849	95	5100K	4600K-5600K	≥70	1.78
				PV-2840D-24	2379	79	4200K	3800K-4600K	≥80	1.66
				PV-2830D-24	2279	76	3000K	2800K-3175K	≥80	1.33
48"	5300 Series	11.5	121	PV-5350D-48	10700	89	5100K	4600K-5600K	≥70	1.78
				PV-5340D-48	8935	74	4200K	3800K-4600K	≥80	1.66
				PV-5330D-48	8560	71	3000K	2800K-3175K	≥80	1.33
	2800 Series	11.5	60	PV-2850D-48	5698	95	5100K	4600K-5600K	≥70	1.78
				PV-2840D-48	4758	79	4200K	3800K-4600K	≥80	1.66
				PV-2830D-48	4558	76	3000K	2800K-3175K	≥80	1.33
96"	5300 Series	20.5	241	PV-5350D-96	21400	89	5100K	4600K-5600K	≥70	1.78
				PV-5340D-96	17869	74	4200K	3800K-4600K	≥80	1.66
				PV-5330D-96	17120	71	3000K	2800K-3175K	≥80	1.33
	2800 Series	20.5	120	PV-2850D-96	11396	95	5100K	4600K-5600K	≥70	1.78
				PV-2840D-96	9516	79	4200K	3800K-4600K	≥80	1.66
				PV-2830D-96	9117	76	3000K	2800K-3175K	≥80	1.33

ELECTRICAL SPECIFICATIONS

Acrylic diffused lens, 7H x 7W flood distribution

CONFIGURATION		ELECTRICAL CHARACTERISTICS							DIMMING					
Ordering Code	Light Engine	Average System Watts	Amps AC		Min. Power Factor	Max THD (%)	Operating Temp. Range	Dimming Range	Source Current out of 0-10V Purple Wire			Absolute Voltage Range on 0-10V (+) Purple Wire		
			120	277					Minimum	Typical	Maximum	Minimum	Typical	Maximum
PV-5350D-24	5300 Series	60	0.5	0.2	≥9	20	-30°C to +40°C	10% to 100%	0 mA	-	2 mA	-2 V	-	+15 V
PV-5340D-24														
PV-5330D-24														
PV-2850D-24	2800 Series	30	0.3	0.1										
PV-2840D-24														
PV-2830D-24														
PV-5350D-48	5300 Series	121	1.0	0.4										
PV-5340D-48														
PV-5330D-48														
PV-2850D-48	2800 Series	60	0.5	0.2										
PV-2840D-48														
PV-2830D-48														
PV-5350D-96	5300 Series	241.2	2.0	0.9										
PV-5340D-96														
PV-5330D-96														
PV-2850D-96	2800 Series	120.4	1.0	0.4										
PV-2840D-96														
PV-2830D-96														

LUMEN MAINTENANCE

Ambient Environment °C	TM-21 Calculation							Reported L70
	Projected Lumen Maintenance (Khrs)							
	0	25	36	50	75	100		
15	100%	97%	96%	94%	92%	89%	>36Khrs	
25	100%	96%	95%	92%	89%	86%		
40	100%	92%	89%	86%	81%	76%		



JOB	_____
TYPE	_____
NOTES	_____