

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional high bay systems such as HID and fluorescent. Applications include manufacturing, warehousing, cold storage, commercial, retail and other large indoor spaces with mounting heights ranging from 15-40' and ambient environments between -13°F (-25°C) and 131°F (55°C). **Certain airborne contaminants can diminish integrity of acrylic and polycarbonate.** [Click here for Acrylic and Polycarbonate Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Extruded heat sink made from 6063-T5 aluminum allows for superior thermal management to reduce LED and driver temperature providing years of trouble-free operation. The channel, endplates and driver tray are made of heavy-duty code gauge (20-gauge) steel which are painted with baked enamel; five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance. Access plate on the back of the channel housing allows quick and easy wiring.

OPTICS — Focus, narrow, wide and spread distributions available to meet both horizontal and vertical light level requirements. Reflectors feature precision-formed optics utilizing 97+% reflective Alanod® MIRO-SILVER® specular-aluminum. Diffuse acrylic lens standard to provide superior glare control and LED protection.

ELECTRICAL — 92% lumen maintenance at 60,000 hours; predicted life of more than 100,000 hours. Thermally protected driver(s) standard with 0-10V dimming. LEDs are driven at 350mA (nominal) to provide optimal lumens per watt and less heat to extend component life. Using pluggable harnesses, removable electrical tray allows easy access to components. Surge protector standard unless otherwise specified.

LISTINGS — CSA Certified to U.S. and Canadian safety standards (UL1598 and C22.2NO.250.0-08). Patent pending.

WARRANTY — Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

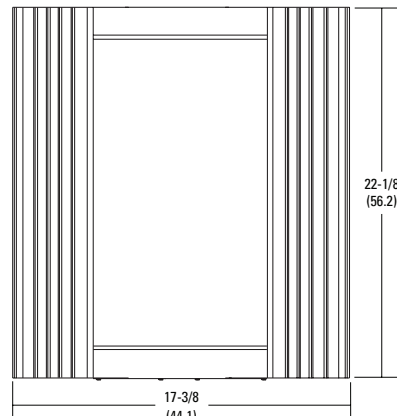
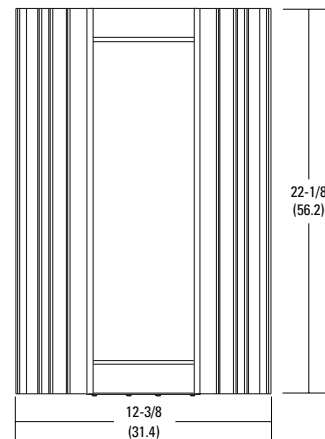
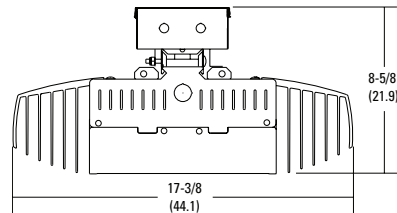
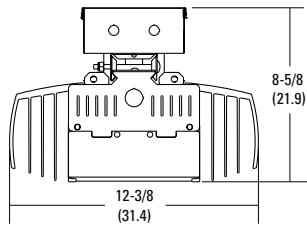
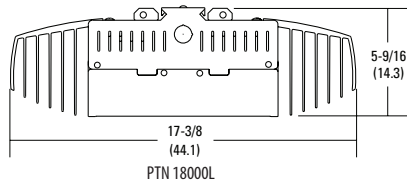
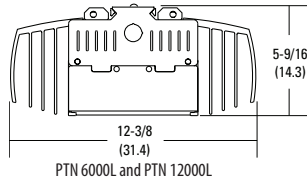
Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

LED High Bay

PTN

Heavy-Duty, Suspended



PROTEON LED Suspended High Bay

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: PTN 12000L ND LP750

PTN	Lumens	Distribution	Lens	Voltage	Color temperature
PTN	6000L 6,000 lumens ¹	FD Focus	(blank) Semi-diffuse acrylic	(blank) MVOLT 277 277V	LP740 67 CRI, 4000K CCT
	12000L 12,000 lumens ¹	ND Narrow	HD125 Highly diffuse acrylic	120 120V 347 347V ^{2,13}	LP750 67 CRI, 5000K CCT
	18000L 18,000 lumens ^{1,13}	MD Medium		208 208V 480 480V ^{2,13}	
		WD Wide			

Options	Finish
DLC Meets Design Lights Consortium (DLC) requirements for high bay lighting ³	(blank) Textured dark gray with aluminum accents
CS1W Straight plug, 120V ⁴	DNA Gloss natural aluminum with aluminum accents
CS3W Twist-lock, 120V ⁴	DBLB Textured black with aluminum accents
CS11W Twist-lock, 277V ⁴	DWH Gloss white with aluminum accents
CS93W 600V SO white cord, no plug (no voltage required)	
L/SP Less surge protector	
GLR Internal fast-blow fuse	
BSL722 Bodine® emergency LED battery pack for 0°C and up ^{5,6,13,15}	
BSL722C Bodine® emergency LED battery pack for -20°C and up ^{5,6,13,15}	
IMP Integrated modular plug ^{7,8}	
OUTCTR Wiring leads pulled through back center of fixture	
MSE360 360° motion sensor embedded, high bay ^{9,14,16}	
MSE360LB 360° motion sensor embedded, low bay ^{9,14,16}	
MSI Aisle motion sensor, pre-wired ^{10,16}	
MSI360 360° motion sensor, pre-wired ^{10,16}	
MSI360LT 360° motion sensor, low temp. Operates down to -40°F/C ^{10,16}	
MSID Aisle motion sensor, pre-wired, automatic dimming control ^{10,16}	
MSI360D 360° motion sensor, pre-wired, automatic dimming control ^{10,16}	
NMSI nLight, aisle motion sensor, pre-wired ^{10,13,16}	
NMSI360 nLight enable, 360° motion sensor, pre-wired ^{10,13,16}	
MSIPEP Aisle motion sensor, photocell, pre-wired ^{9,16}	
MSI360PEP 360° motion sensor, photocell, pre-wired ^{9,16}	

Accessories: Order as separate catalog number.	
Mounting: ¹¹	Cord sets and sensors for IMP option:
PTNSMB DNA Surface mount bracket, natural aluminum finish	CS1WIMP Straight plug, 120V ⁴
IBAC120 M20 10' adjustable aircraft cable; two clips; Y hanger (one pair)	CS3WIMP Twist-lock, 120V ⁴
IBAC240 M20 20' adjustable aircraft cable; two clips; Y hanger (one pair)	CS7WIMP Straight plug, 277V ⁴
IBZPMP DNA Pendant monopoint splice box, includes side covers, natural aluminum (DNA) finish	CS11WIMP Twist-lock, 277V ⁴
IBZPMPHB DNA Pendant monopoint splice box, includes side covers (3/4" threaded hub), natural aluminum (DNA) finish	CS93WIMP 600V SO white cord, no plug (no voltage required)
	MSIIMPF Aisle motion sensor ^{8,12}
	MSI360IMPF 360° motion sensor ^{8,12}
	Miscellaneous:
	WGPTN12000 DNA Wireguard, natural aluminum finish, small housing
	WGPTN18000 DNA Wireguard, natural aluminum finish, large housing

CONFIGURATIONS										
All dimensions are shown in inches (centimeters) unless otherwise noted.										
LUMENS	WATTAGE				COMPARABLE HID	LENGTH	WIDTH	DEPTH WITHOUT BACKPACK	DEPTH WITH BACKPACK	WEIGHT
	120V	277V	347V	480V						
6000	73	71	77	76	175W MH	22-1/8 (56.2)	12-3/8 (31.4)	5-9/16 (14.1)	8-5/8 (21.9)	31.5 lbs. (14.3 kg)
12,000	146	142	154	151	250W MH	22-1/8 (56.2)	12-3/8 (31.4)	5-9/16 (14.1)	8-5/8 (21.9)	33.5 lbs. (15.2 kg)
18,000	219	213	231	227	400W MH	22-1/8 (56.2)	17-3/8 (44.1)	5-9/16 (14.1)	8-5/8 (21.9)	39.0 lbs. (17.7 kg)

Notes

- Nominal design lumens. Refer to IES files for exact lumens based on LM79 testing.
- Step-down transformer utilizing BACKPACK™. No pendant monopoint or emergency battery pack.
- Available with 12,000 and 18,000 lumen packages only.
- All cord sets are 18/3, 6' white and voltage specific. Specify voltage. Other configurations available. Consult factory.
- Requires BACKPACK™. No pendant monopoint or 347V-480V.
- Specify 120 or 277 only.
- Must be factory-installed.
- Must have "IMP" power cord to power fixture and/or sensor. Specify voltage.
- Specify voltage; 120, 277 or 347 only.
- Specify voltage; 120, 208, 277 or 480.
- Chain mounting not recommended.
- 120V or 277V only.
- Pending CSA Certification to U.S. and Canadian safety standards.
- Not available with 347V.
- CSA Listed to 40°C max.
- CSA Listed to 45°C max.