

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 122°F (50°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. Damp location listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

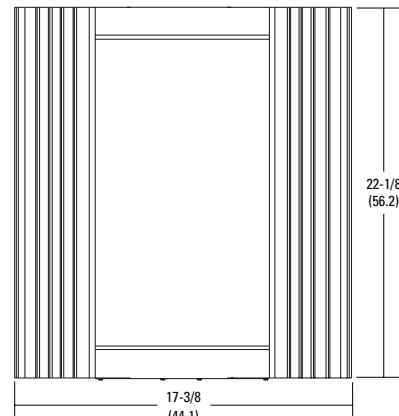
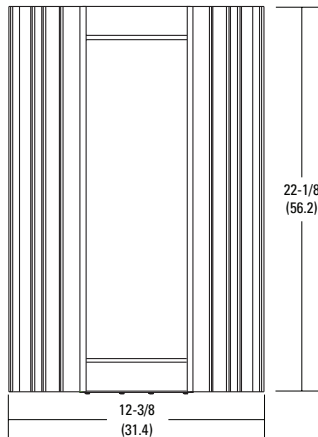
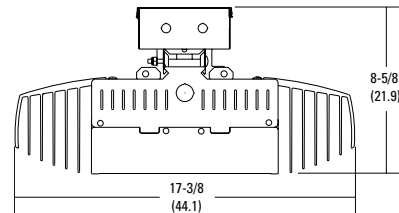
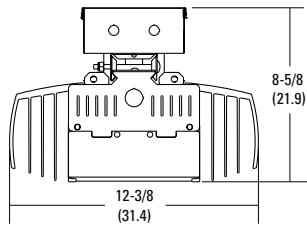
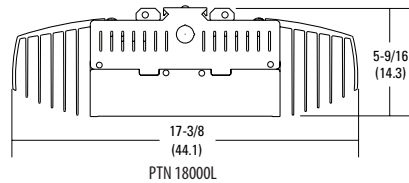
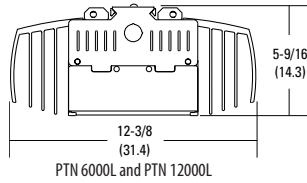
Actual performance may differ as a result of end-user environment and application.

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												
Series	Lumens		Distribution		Lens		Voltage			Color temperature		
PTN	6000L	6,000 lumens ¹	FD	Focus	(blank)	Semi-diffuse acrylic	(blank)	MVOLT	277	277V	LP740	70 CRI, 4000K CCT
	12000L	12,000 lumens ¹	ND	Narrow	HD125	Highly diffuse acrylic	120	120V	347	347V ³	LP750	70 CRI, 5000K CCT
	18000L	18,000 lumens ^{1,2}	MD	Medium			208	208V	480	480V ³		
			WD	Wide								

Finish	Options
(blank) Textured dark gray with aluminum accents	DLC Meets Design Lights Consortium (DLC) requirements for high bay lighting ⁴
DBLB Textured black with aluminum accents	CS1W Straight plug, 120V ⁵
DWH Gloss white with aluminum accents	CS3W Twist-lock, 120V ⁵
DNA Gloss natural aluminum with natural aluminum accents	CS11W Twist-lock, 277V ⁵
	CS93W 600V SO white cord, no plug (no voltage required)
	CS97W Twist-lock, 480V ⁵
	L/SP Less surge protector
	GLR Internal fast-blow fuse
	BSL722 Bodine® emergency LED battery pack for 0°C and up ^{6,7,8}
	BSL722C Bodine® emergency LED battery pack for -20°C and up ^{6,7,8}
	IMP Integrated modular plug ^{9,10}
	OUTCTR Wiring leads pulled through back center of fixture ¹¹
	MSE360 360° motion sensor embedded, high bay ^{12,13}
	MSE360LB 360° motion sensor embedded, low bay ^{12,13}
	MSI Aisle motion sensor, pre-wired ^{13,14}
	MSI360 360° motion sensor, pre-wired ^{13,14}
	MSI360LT 360° motion sensor, low temp. Operates down to -40°F/C ^{13,14}
	MSID Aisle motion sensor, pre-wired, HI/LO dimming control ^{13,14}
	MSI360D 360° motion sensor, pre-wired, HI/LO dimming control ^{13,14}
	NMSI nLight, aisle motion sensor, pre-wired ^{13,14}
	NMSI360 nLight enable, 360° motion sensor, pre-wired ^{13,14}
	MSIPEd Aisle motion sensor, photocell, pre-wired ^{12,13}
	MSI360PED 360° motion sensor, photocell, pre-wired ^{12,13}
	nEPP5D nLight dimming module ¹⁵

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 ⁵
IBAC120 M20 10' adjustable aircraft cable; two clips; Y hanger (one pair)	CS3WIMP Twist-lock, 120V ⁵
IBAC240 M20 20' adjustable aircraft cable; two clips; Y hanger (one pair)	CS7WIMP Straight plug, 277V ⁵
IBZPMP DNA Pendant monopoint splice box, includes side covers, natural aluminum (DNA) finish	CS11WIMP Twist-lock, 277V ⁵
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 ^{10,12}
	MSI360IMPF 360° motion sensor ^{10,12}
	Miscellaneous:
	WGPTN12 DNA Wireguard, natural aluminum finish, 6L and 12L
	WGPTN18 DNA Wireguard, natural aluminum finish, 18L

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.
- CSA Certified for 120V - 277V only.
- 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.
- Factory installed BACKPACK™. No pendant monopoint or 347V-480V.
- Voltage must be specified.
- CSA Listed to 40°C max.
- Must be factory-installed.
- Must have "IMP" power cord to power fixture and/or sensor. Specify voltage.
- OUTCTR required when IBZPMP is being used as wiring compartment.
- Specify voltage; 120, 277 or 347 only.
- CSA Listed to 45°C max.
- Specify voltage; 120, 208, 277, 347 or 480V.
- Not available with HVOLT.