LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — The PROTEON™ SL LED luminaire offers commercial building owners, retailers and institutions an innovative, continuous-row solution that better utilizes light to emphasize areas of focus while reducing energy. Using custom optics, the luminaire can provide unparalleled uniformity and achieve a horizontal-to-vertical light ratio not attainable through previous technologies.

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. **Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components**.

CONSTRUCTION — Extruded housing and heat sink made from 6063-T5 aluminum allows for superior thermal management to reduce both LED and driver temperatures. Clear anodized finish is standard to resist scratching, corrosion and provide refined appearance. The joiners and modules are made from die-cast, zinc alloy which reduces electro-magnetic interference (EMI) and offers improved thermals over alternative materials. Joiners and modules are painted with baked enamel; five-stage iron phosphate pre-treatment ensures superior adhesion.

OPTICS — Proprietary lensing engineered using precision-molded acrylic. The lenses work together with die-formed reflectors utilizing highly reflective WhiteOptic™ coating to improve light on task. Optical patterns range from aisle-specific to open area distributions. Pixelation is eliminated through the use of lenticular ribs on each lens in combination with semi-diffuse overlay inside the optical chamber.

ELECTRICAL — L70 at 60,000 hours. Thermally protected, high-efficiency driver(s) standard with 0-10V dimming down to 1%. Each 4' or 8' rail contains one driver. LED light engine features OSRAM Duris E5 .25W LEDs which use mating connectors to eliminate wiring inside optical chamber. Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015.

LISTINGS — CSA listed to U.S. and Canadian safety standards (UL 1598 and C22.2N0.250.0-08). For use in damp locations. US patents pending. Suitable for ambient temperatures from +5℃ (+41℉) to +40℃ (+105℉).

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

ⅢPROTEON™ SL

LED Linear Luminaire

PTNSL

CONFIGURATIONS			
LENGTH	NOMINAL LUMENS	WATTAGE	Approximately equivalent
4'	3,500	40	2/32T8 or 1/54T5HO
8'	7,300	81	4/32T8 or 2/54T5HO

⑤A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

PROTEON SL LED

A+ Capable options indicated by this color background.

Example: PTNSL AD2 MVOLT OSR2 41K 80CRI DSPD

PTNSL				OSR2			
Series	**Distribution**		**Voltage**		**Driver**	**Color temperature**	**Color rendering index**
PTNSL4 4' PTNSL8 8'	AD1 Aisle, 17° off center AD2 Aisle, 24° off center ND Narrow area WD Wide area		MVOLT MVOLT 120 120V 208 208V 240 240V 277 277V		OSR2 Osram driver, dims to 1%	35K 3500 K 41K 4100 K 50K 5000 K	80CRI 80CRI

Options

				Joiner finish	
CRE	Continuous row, end, one end cap included[1]	PLR22LVG	Alternating two-circuit through wire, low voltage	CS12BL	277V twist-lock, black[2,3]
CRM	Continuous row, middle, no end caps included[1]	PLR2ALVG	Two-circuit through wire, with A circuit connected to driver	CS2BL	120V straight plug, black[2,3]
PLR1G	Single-circuit through wire	PLR2BLVG	Two-circuit through wire, with B circuit connected to driver	UPL2	Up light[5]
PLR22G	Two-circuit alternating, through wire	PLR2AELBG	Two-circuit through wire, with A circuit connected to driver & B circuit connected battery unswitched charging circuit	NES7	Occupancy/sensor[1,6,7]
PLR1LVG	Single-circuit through wire, low voltage	GLR	Internal fast-blow fuse[2]	E7W	Emergency battery pack[6,8]
		CS95BL	Cord no plug, black[3]		

Joiner finish: DSPD Textured dark gray | DNA Natural aluminum | DWH White

Accessories: Order as separate catalog number.

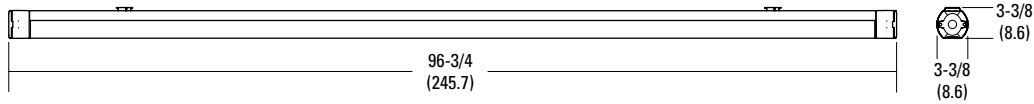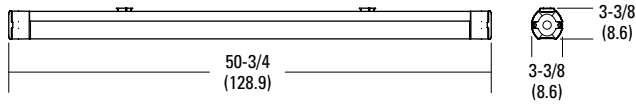|	
PTNSLBRG XXX	Bridge system for continuous row mounting[9,10]
AFAC120	Adjustable aircraft cable, 120"[10]
ZAC120	One adjustable aircraft cable with canopy, 120"[10]
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120"[10]
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy, 120"[10]
ZAC240	One adjustable aircraft cable with canopy, 240"[10]
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240"[10]
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy, 240"[10]
TGCLP	T-grid clips[11]

Notes
1. PTNSLBRG XXX is required for continuous row mounting.
2. Must specify voltage.
3. All cords are 16/3, 6' black. If plug is included voltage must be specified. Other configurations available, consult factory. White cords available, replace BL with W. (EX. CS93W).
4. When ordered with PLR, requires 12 gauge cord set, RFA is required for this configuration.
5. Only Available in 8'. 35K and 41K, uplight module is non-dimming.
6. Requires some field assembly. 120 or 277 volt only. Available as a factory option only.
7. Available with 8' unit only. Not available with battery pack.
8. This utilizes the PS1055LCP. Battery will be remote and only lights up a small section of the fixture.
9. XXX denotes color (EX. PTNSLBRG DNA). Not available with UPL2. Required for continuous row mounting.
10. Bracket spacing for PTNSL4 min. 28", max.44"; for PTNSL8 min. 48", max. 88". 2 points of mounting are recommended for continuous rows. One cable per package.
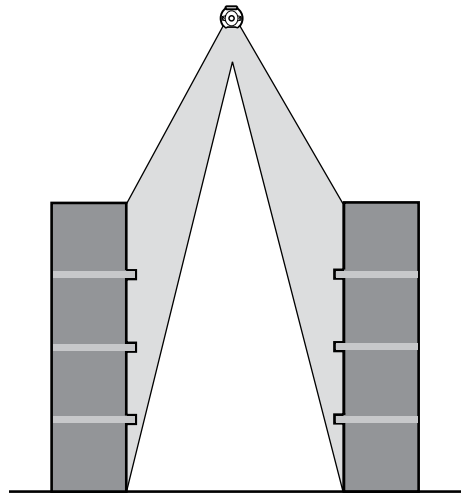11. Compatible with ZAC120, ZACFP120, ZAC240 and ZACFP240.

Dimensions

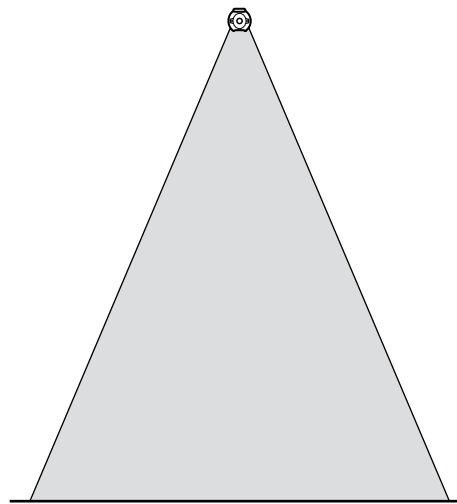All dimensions are in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

50-3/4
(128.9)

3-3/8
(8.6)

3-3/8
(8.6)

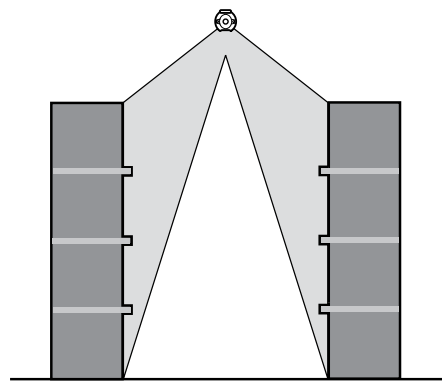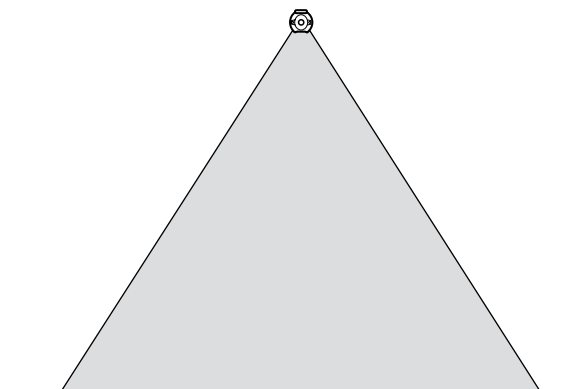96-3/4
(245.7)

3-3/8
(8.6)

3-3/8
(8.6)

Light Distributions

AD1

ND

AD2

WD

Photometrics

See www.lithonia.com

PTNSL