

Prismatic LED Post Top

The LED Lindy®



LED Lindy Type V

General Description

A nostalgic globe with an LED light engine mounted at its equator. This combination provides high performance street and area lighting with Type III or V distributions.

This LED version of industry standard The Lindy® employs a Patented (D 636,517) heat sink concept which, unlike most LED post-tops, allows heat dissipation to occur outside of the fixture, reducing the ambient operating temperature of the LEDs. The LEDs are mounted 16" away from the optical surface for exceptional LED hiding. The assembly uses the existing 424 base (Type III or V) with either 8" or 9" neck options and the traditional 424 top. With over 350 square inches of surface area, the one-piece specialty aluminum heat sink can effectively dissipate up to 120W in a 25°C ambient temperature. LED boards for the Type III are biased to provide optimal street side performance while de-emphasizing the house side.

Heat Sink

The cast aluminum heat sink is offered in raw metal or with a black powder coated finish. There are 12 internal LED board mounting surfaces which are canted to 70 degrees from vertical. The heat sink is assembled to the 424 with four cast-aluminum mounting brackets that capture both the upper flange of the refractor and bottom flange of the 424 top. Brackets are also available either raw or painted. LexaLite offers custom machining of the heat sink to accommodate your LED board mounting.

Light Engine Requirements

Suitable light engines are 120W or less, not including driver. LEDs should have a 90-150° FWHM beam. Each LED, board, and mounting will be different and customers are responsible for determining the suitability of their LED package with these components.

Available Light Engines

LexaLite is offering standard light engines for each the Type V and Type III versions. The light engine is available in black powder coat paint finish (inquire for custom finishes). The specs are as follows:

Type III – 70 or 90W, 5000K CCT, includes wire harness, wire harness bracket, power supply, and mounting clips. See Light Engine Spec sheet for photometry, specific details and warranty information

Type V – 60-120W, 5000K CCT, includes wire harness, wire harness bracket, power supply, and mounting clips. See Light Engine Spec sheet for photometry, specific details and warranty information

Application

The Lindy LED is for use in parks, along walkways, roadways or areas where a distinctive, nostalgic theme is prevalent. Both the Type III and Type V provide performance comparable to HID sources of similar wattage.

Service Life

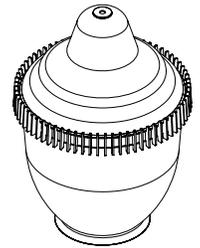
The service life of acrylic refractors is virtually unlimited when used within the recommended temperature limit. Acrylic versions are covered by our 10 year limited warranty. Polycarbonate refractors are subject to yellowing.

Paint finish on heat sinks is covered against significant fading or peeling for a period of 5 years, due to weathering alone.

Light Engines – see the specification sheet for the light engine for details

Notice

A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of our molded products at excessive temperatures will cause degradation of the material.



LED Lindy Specifications

24" high
17.1" diameter

Nostalgic post top
for street and
area lighting

Type III and Type V
distributions

Materials: Acrylic,
Acrylic Moon Glow TM
and Polycarbonate

Other available light engines
Simply LEDs, LLC
208-344-7533
Lumecon
877-564-3133

A.L.P. LexaLite light engines do not carry UL nor does A.L.P. LexaLite claim the light engines are capable of meeting UL standards. The manufacturer/distributor is solely responsible for providing UL and/or adequate warnings to end users.



A.L.P.
LIGHTING COMPONENTS, INC.
WEB SITE: WWW.ALPLIGHTING.COM



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The LED Lindy®

Report Number: 03856
Issue Date: 06/21/11
Prepared for: LexaLite Brand
Catalog Number: 424 V
Luminaire: 424 V Acrylic Lindy with LED Ring Type V and Prototype Dome Reflector at Base of LED
Lamp Cat. No.: PIDLLC
Lamp: Titled 20 Degrees 12 PIDLLC LED
Mounting: Post Top
Note: Data Shown is Absolute for the Sample Provided at Rated Input Voltage (120VAC, 60Hz) to the LED Driver
LED Driver: PIDLLC Class 2, 48 volt power supply
Test Procedure: IESNA LM-79-08
Test Distance: 28 FEET

Classification is a Type V Semicutoff

Accessories

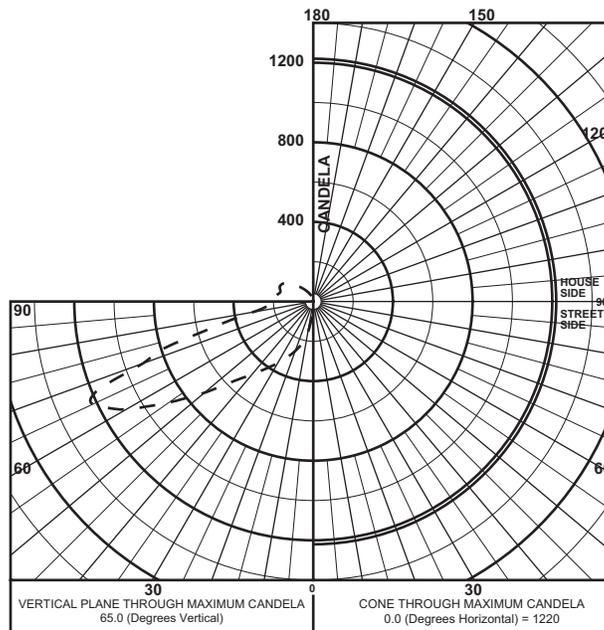
LiteLids® should be utilized in light pollution-sensitive areas to redirect potentially wasted uplight into increased downward efficiencies. The LiteLid allows just enough uplight for a pleasing glow. LiteLids are aluminum reflectors which fit between the top and bottom components. 4245P Perforated LiteLids Finials - Available in either black flame or black spike design. Neck Ring protects fitter from metal screws.

Materials

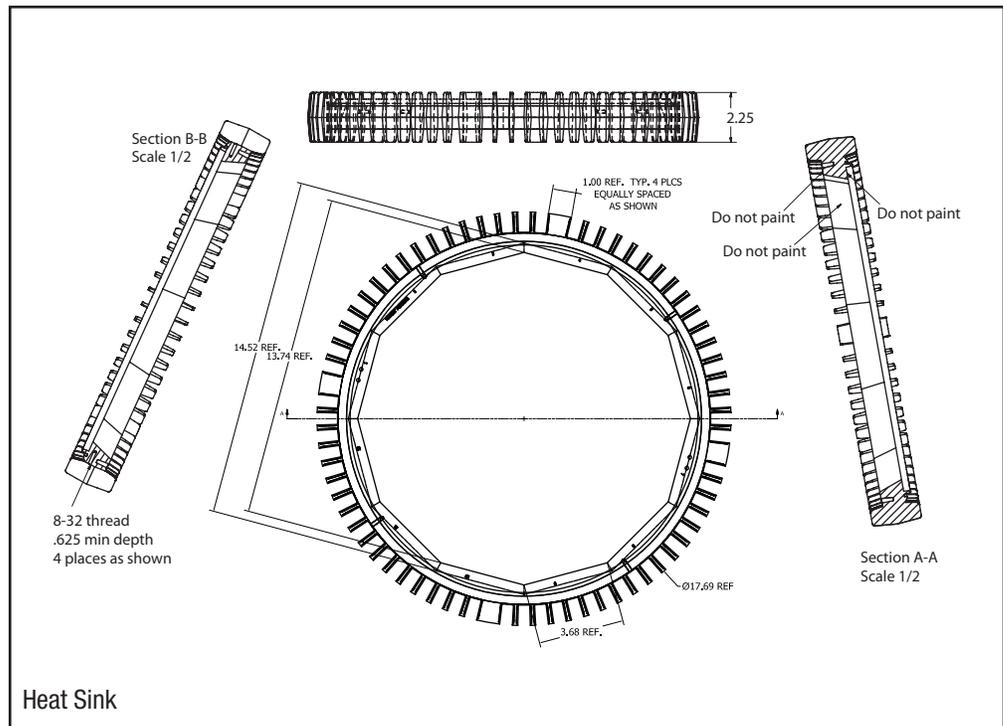
See the LexaLite brand price list for current part numbers and material offerings. Up-to-date and detailed material specifications can be found in the Products/Technical Resources section of our web site at www.alplighting.com.

When using an acrylic LED Lindy, the surface temperature of the refractor should not exceed 80°C. When using a polycarbonate LED Lindy, the surface temperature of the refractor should not exceed 90°C.

Wind Loading Information: EPA of 268 sq. in. (including Lindy Refractor, Top and LED ring). A typical fitter adds approximately 80 sq. in.



Flux Distribution by Solid Angle (Per IESNA TM-15-07, Luminaire Classification System for Outdoor Luminaires)		
	Lumens	Percent of Fixture
Forward Light	1871.	40.4
FL (0 - 30)		2.4
FM (30 - 60)		16.3
FH (60 - 80)		18.9
FVH (80 - 90)		2.8
Back Light	1871.	40.4
BL (0 - 30)		2.4
BM (30 - 60)		16.3
BH (60 - 80)		18.9
BVH (80 - 90)		2.8
Uplight	889.	19.2
UL (90 - 100)		4.8
UH (100 - 180)		14.4
Trapped Light	0.	0.0
Total Flux	4632	100.0
Lumens per Watt	70.2	



LINDY LEDHS 07/11