



Post Tops by EYE Lighting, a divine combination of sophisticated looks and quality lighting. The versatile new line of LED luminaires are an ideal solution for urban streets, parks, residential areas, walkways, corporate and college campuses. Through modular design, KiaroLED offers a variety of illumination levels, color temperatures and IES distribution patterns. Precision optics makes KiaroLED a solution for all energy saving and dark sky projects.

## SPECIFICATION FEATURES

### Construction

The main body is constructed from die cast aluminum featuring an easily removable stainless steel top that provides LED and driver accessibility for maintenance. KiaroLED optics consist of a F1 rated, UV stabilized acrylic lens for maximum performance and durability. Easy and quick connects and disconnects from the modular LED board and driver, and stainless steel hardware are standard factory installed features. The KiaroLED offers a twist lock photocell masterfully mounted inside the luminaire tenon adapter providing full functionality without loss of architectural appeal. The field replaceable mounting plate provides a maintenance solution to remove and replace the driver, LED board, surge protector and terminal block with three (3) mounting nuts.

### Mounting

The tenon adapter provides mounting to 2 3/8", 2 7/8", 3" and 4" O.D. pole and is held in place with three 3/8" - 16 set screws. Connection to the terminal block is located conveniently in the base allowing direct access during installation. Terminal block connections accept 14 gauge to 4 gauge wire.

### Optics

Optical distribution patterns, lumen levels, and color temperatures are interchangeable and easily replaceable. Exclusive KiaroLED optical assembly contains captured stainless steel screws and quick disconnects for ease of field installation and maintenance. The luminaire provides IES Type II, Type III, Type IV, and Type V distribution patterns.

### Finish

The KiaroLED has an enduring powder-coated finish that provides both ultraviolet and anti-chip protection. Available in multiple RAL colors, this finish is sure to maintain its aesthetics for years to come.

### Reliability

EYE Lighting is addressing system reliability with a variety of features and options. The aluminum printed circuit board transfers heat from the LED packages to the custom heat sink and die-cast housing providing the correct thermal path for heat to escape ensuring controlled and stabilized junction temperatures, and the minimized number of critical components prevents additional opportunities for premature failure.

### Electrical

Standard Universal LED Driver allows input from 120V - 277V 50/60Hz, an integral Step Down Transformer is used for 347V/480V installations. A replaceable surge protector is built to withstand 10kV of transient line surge. KiaroLED is rated for 60,000 hours of operation and is suitable in -35°C to 50°C ambient conditions. The luminaire is cULus listed and IP66 rated.

# ORDERING

SAMPLE NUMBER: P-L330-47-UY-H-RE1N

SERIES	LED	OPTICS	COLOR RENDERING	DRIVER	LENS	HOUSING	ELECTRONICS	OPTIONS (FACTORY INSTALLED)	
kiaroLED Post Top	Initial Absolute Lumens CCT (Color)	Type	CRI	Voltage	Material	Finish	Photocell	Wiring	Control Option
P	-	-	7	-	Y	-	-	-	-
<b>P</b> Post Top	<b>L3</b> 3000K <b>L4</b> 4500K <b>L6</b> 5700K <b>65</b> 6500K	<b>2 II</b> <b>3 III</b> <b>4 IV</b> <b>5 V</b>	<b>7</b> 70 Typical CRI	<b>U</b> 120V - 277V <b>H</b> <sup>2</sup> 480V / 347V	<b>Y</b> Acrylic	<b>G</b> Gray <b>H</b> Charcoal <b>K</b> Black <b>N</b> Dark Bronze <b>S</b> Silver <b>W</b> White <b>Q</b> <sup>3</sup> Custom	<b>R</b> Internal NEMA Photocell Receptacle <b>V</b> No Photocell	<b>E1</b> Terminal block, #8 AWG to #14 AWG <b>E2</b> Terminal block with wire leads, #4 AWG to #6 AWG	<b>N</b> <sup>4</sup> Late-Night Dimming & Motion Sensing

<sup>1</sup> Reference photometric data sheet for lumen levels based on color temperature and distribution type  
<sup>2</sup> 480V / 347V steps down to 277V / 200V  
<sup>3</sup> Consult factory when ordering custom finishes  
<sup>4</sup> Motion sensor is mounted in the tenon adapter

## FINISHES



## ENGINEERING EXCELLENCE



ISO 9001:2008 Certified  
Manufacturing & Business Processes

ISO 14001:2004 Certified  
Environment Regulatory Requirements

OHSAS 18001:2007 Certified  
Health & Safety Requirements

## WATTAGE SUMMARY

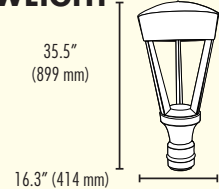
LUMEN LEVEL	NOMINAL WATTAGE
L3	56
L4	62
L6	80

- LED wattage may vary 20% due to LED manufacturer forward voltage specification
- Reference photometric data sheet for lumen levels based on color temperature and distribution type

## ELECTRICAL CHARACTERISTICS

- .90 Power Factor
- <20% Total Harmonic Distortion
- -35°C to 50°C Ambient Operating Conditions
- Consult factory for additional ambient conditions.

## DIMENSIONS & WEIGHT



### APPROXIMATE NET WEIGHT

Luminaire: 33 lbs

## AMBIENT DATA

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
15°C	1.02
25°C	1.00
40°C	.97

- Other modes of failure could occur after the 60,000 hour period
- Reference photometric data sheet for lumen levels based on color temperature and distribution type

## LUMEN MAINTENANCE (LED L70)

LUMEN LEVEL	25°C AMBIENT	40°C AMBIENT
L3	152,000 hours	76,000 hours
L4	119,000 hours	59,000 hours
L6	124,000 hours	59,000 hours

- Results may vary from test due to power, ambient conditions and individual component performance variations
- Data is provided to estimate typical performance
- Engineering estimates and data based on initial absolute lumens

- Lumen output may vary 10% due to LED manufacturer flux specification
- Predicted performance calculated from LED manufacturer data and engineering estimates based on test methodologies of IESNA LM-80, LM-79, and TM-21
- L70 Hours is the predicted time when LED performance depreciates to 70% of initial lumen output

- EYE Lighting reserves the right to change materials or modify the design of its product without notification
- Consult factory for lead-time and availability
- Patents Pending

## EPA

### CALCULATED EFFECTIVE PROJECTED AREA (SQ. FT.)

Luminaire: 2.14 ft<sup>2</sup>

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# CHOOSE EYE LIGHTING.

EYE Lighting International is a leading manufacturer of lamps, fixtures, and illumination systems that serves the commercial, industrial, OEM, utility and retail markets. It operates a 105,000 square foot manufacturing facility near Cleveland, Ohio.

A trusted light source manufacturer with over sixty years of lighting experience, EYE Lighting is known for exceptional customer service and unrivaled product performance.

Known for producing durable products that withstand high-abuse and harsh conditions, EYE Lighting provides increased life, lowered energy consumption and decreased maintenance for almost any application. In both commercial and industrial applications, visual acuity is improved with EYE Lighting illumination products.

Customers rely on EYE Lighting manufacturing leadership, demonstrated by investments in an on-site accredited NVLAP (NVLAP Lab Code 200783-0) laboratory, ISO and OHSAS certifications, and by leading the industry in employing and training lighting experts. Over 80% of EYE Lighting key personnel received the professional Lighting Certified (LC) accreditation through the National Council on Qualifications for the Lighting Professions (NCQLP).

## CERTIFICATION LISTINGS:

ISO 9001:2008 Certified	Manufacturing & Business Processes
ISO 14001:2004 Certified	Environment Regulatory Requirements
OHSAS 18001:2007 Certified	Health & Safety Requirements

Representante



**m é x i c o**  
Iluminando el futuro  
El futuro en la luz

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## True Lighting.™

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