



# K56 CLEVELAND/ TUDOR - LED

One of the most versatile of all ornamental luminaires available in the first half of the 20th century, the K56 Cleveland/ Tudor offers the beauty of yesteryear with the superior LED lighting performance standards of today. Select from the Cleveland Style without spurs, or the Tudor Style with spurs. Add to the continuity of your space with a matching post top to light pathways and roadways alike.



PROJECT: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

## PRODUCT SPECIFICATIONS

### LED ENGINE

Light engine shall include an array of Cree X-Series high power LEDs (light emitting diodes). The emitters shall be mounted to a metal core circuit board using SMT technology. The LEDs and circuit boards shall then be mounted to a high performance heat sink.

External light control shall consist of high precision refractive lenses mounted above the LED emitter arrays in such a way to achieve optimum upright control. The lenses shall also control horizontal light distribution so that either Type II, III, IV or V IESNA distribution patterns are achieved.

### LENS

The K56 Cleveland/Tudor is available with or without a lens. The lens panels shall be made of polycarbonate or acrylic and are available in either clear or rippled configurations. The polycarbonate shall be a minimum of 3/16" thick and composed of Bayer Makrolon LTG 3123, General Electric Lexan 243, or equivalent. The acrylic shall be a minimum of 3/16" thick and composed of AtoHaas V825-UVA5A, ICI CP-75-UVA, Cyro S-10-343, or equivalent.

### LUMINAIRE ASSEMBLY

The luminaire assembly is a self-contained unit consisting of a rugged cast aluminum body, LED light engine and driver assembly. The LED light engine is of a modular design, and is able to be quickly removed from the luminaire assembly without the need to disassemble the luminaire assembly itself. The body assembly is composed of a cast octagonal top and bottom rings and eight cast aluminum struts. The hinged lid is cast aluminum and is secured to the main housing by a stainless steel rotary latch. The luminaire lid has a 1-1/4" NPT tapped hole for the plumber to thread into. The lid also has a locking set screw to secure the plumber once engaged.

### PLUMBIZER

The K56 Cleveland/Tudor comes with multiple mounting options including the KPL10, KPL11, KPL20, KPL21, KPL30, KPL31 and KPL40.

Please contact King Luminaire for more details and specifications.

### DRIVER

The LED universal dimmable driver will be class 2 and capable of 120 - 277V or 347 - 480V input voltage, greater than 0.9 power factor, less than 20% total harmonic distortion. The case temperature of the driver can range from -40°C to 70°C. Each LED system comes with a standard surge protection designed to withstand up to 20kV/10kA of transient line surge as per IEEE C62.41.2 C High. An in-line ferrite choke is utilized to provide protection against EFT's. The driver assembly will be mounted on a heavy duty fabricated aluminum bracket to allow complete tool-less maintenance.

### PHOTOMETRICS

Fixtures are tested to IESNA LM79 specifications. These reports are available upon request.

### CHROMATICITY

High output LEDs come standard at 3000K & 4000K (+/- 300K) with a minimum nominal 70 CRI. Additional CCT emitters are available upon request.

### LUMEN MAINTENANCE

Reported (TM21) and Calculated (L70) reports are available upon request with a minimum calculated value of 100,000 hrs.

### WIRING

All internal wiring and connections shall be completed so that it will be necessary only to attach the incoming supply connectors to Mate-N-Lok connectors. Mate-N-Lok shall be certified for 600V operation. Internal wire connectors shall be crimp connector only and rated at 1000V and 150°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWF-2, or SEW-2 No. 14 gauge, 150°C, 600V, and color coded for the required voltage.

### THERMALS

Fixtures tested by a DOE sanctioned test facility to determine the maximum in-situ solder-point or junction-point temperatures of the LED emitters. This report is available upon request.

### FINISH

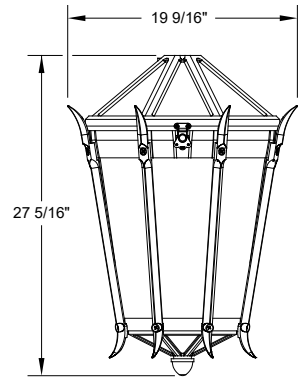
Housing is finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green and rain forest. Please see our website for a complete list of colors. RAL and custom color matches are available.

### MISCELLANEOUS

All exterior hardware and fasteners, wholly or partly exposed, shall be stainless steel alloy. All internal fasteners are stainless steel or zinc coated steel. All remaining internal hardware is stainless steel, aluminum alloy, or zinc coated steel.

### WARRANTY

The K56 Cleveland/Tudor LED luminaire comes with a 7 year limited warranty.



### CERTIFICATION:

CSA US Listed  
Suitable for wet locations  
ISO 9001  
IP66  
ARRA Compliant  
LM79 / LM80 Compliant

### DRIVER INFO:

>0.9 Power Factor  
<20% Total Harmonic Distortion  
120 - 277V & 347 - 480V  
-40°C Min. Case Temperature  
70°C Max. Case Temperature  
Surge Protection: ANSI C136.2  
extreme level 20kV/10kA

### EPA:

Cleveland: 2.69 sq. ft.  
Tudor: 2.72 sq. ft.

### FIXTURE WEIGHT:

Cleveland: 38 sq. ft.  
Tudor: 39 sq. ft.



Contact King Luminaire for product specifications that are exempt from CSA Certification 12-19-2018



Test Voltage: 120V  
 Nominal Color Temperature: 3000K & 4000K<sup>1</sup>  
 7030 Engine Series: 30 Emitters (100W Max)  
 LED Engine + Driver Rated Life = 100,000 hrs<sup>2</sup>

To learn more about the P4 Optic, please see the P4 Optic Information Sheet

Photometric Test Report Number	Decorative Option	Color Temperature	IES Distribution	Nominal Watts	Engine Series	Delivered Lumens <sup>3</sup>	Efficacy (LM/W) <sup>3</sup>	mA @ emitter	Driver Output Current	BUG Rating	HID Equivalent <sup>4</sup>
In Testing	N/A	3000K	Type III	40	7030	N/A	N/A	400	2000	N/A	50 - 70
In Testing	N/A	3000K	Type V	40	7030	N/A	N/A	400	2000	N/A	50 - 70
In Testing	N/A	4000K	Type III	40	7030	N/A	N/A	400	2000	N/A	50 - 70
In Testing	N/A	4000K	Type V	40	7030	N/A	N/A	400	2000	N/A	50 - 70
56P4AR306030	N/A	3000K	Type III	60	7030	4085	67	600	3000	1-3-1	70 - 100
56P4AR506030	N/A	3000K	Type V	60	7030	4088	67.3	600	3000	2-3-1	70 - 100
56P4AR306040	N/A	4000K	Type III	60	7030	4970	80.2	600	3000	1-3-2	70 - 100
56P4AR506040	N/A	4000K	Type V	60	7030	5108	83.7	600	3000	2-3-1	70 - 100
56P4AR307530	N/A	3000K	Type III	75	7030	4767	63.2	800	4000	1-3-2	100 - 150
56P4AR507530	N/A	3000K	Type V	75	7030	4747	63	800	4000	2-3-1	100 - 150
56P4AR307540	N/A	4000K	Type III	75	7030	5927	80.2	800	4000	2-3-2	100 - 150
56P4AR507540	N/A	4000K	Type V	75	7030	5970	79.6	800	4000	2-3-1	100 - 150
56P4AR310030	N/A	3000K	Type III	100	7030	5816	55.3	960	4800	2-3-2	150 - 200
56P4AR510030	N/A	3000K	Type V	100	7030	5595	59	960	4800	2-3-1	150 - 200
56P4AR310040	N/A	4000K	Type III	100	7030	7409	69.1	960	4800	2-3-2	150 - 200
56P4AR510040	N/A	4000K	Type V	100	7030	7255	73.9	960	4800	2-3-1	150 - 200

P4 = 4th Generation Flat Array, Testing Completed in Acrylic Rippled Lens

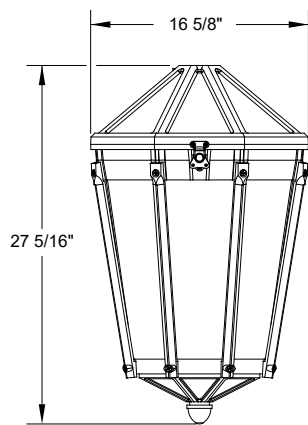
<sup>1</sup>Color temperature is nominal, please see test report for specific chromaticity information

<sup>2</sup>Contact factory for TM21 information/Driver specification

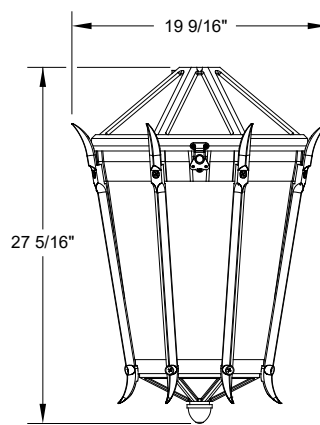
<sup>3</sup>Due to the continuous advancements in LED technology, luminaire delivered lumen and efficacy is subject to change without notice at the discretion of King Luminaire

<sup>4</sup>Equivalence should always be confirmed by performing a photometric layout, due to the variability of performance requirements and application criteria

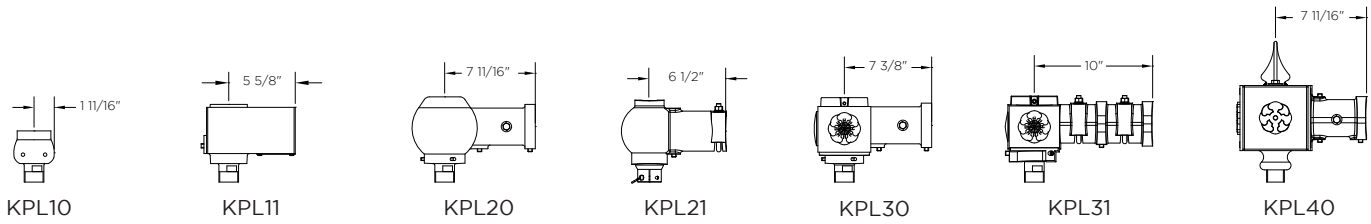
## LANTERN TYPE



Cleveland



Tudor



## HOW TO ORDER

