



K595 ARISTOCRAT - LED

The King Luminaire K595 Aristocrat is a versatile luminaire suitable for contemporary or traditional settings. Featuring our high performance P4 LED engine and zero uplift, it is a perfect solution for city streets, parks, schools and commercial areas.



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.

OPTICS

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 Type II, III, IV or V IESNA distribution patterns are achieved.

LUMINAIRE CONSTRUCTION

All K595 Aristocrat cast components shall consist of a heavy grade A319 cast aluminum or aluminum alloy 383. The spun aluminum canopy assembly acts as an enclosure for the driver assembly and is of adequate thickness to give sufficient structural rigidity.

The 4 cast aluminum struts are mechanically attached by stainless steel screws to both the capital (bottom) and the spun aluminum canopy.

The capital shall have an opening at the base tenon body to allow the luminaire to be mounted to a tenon of 3-1/2" maximum diameter. The luminaire shall be locked in place by means of heavy duty, stainless steel set-screws.

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, and 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 galvanized steel 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 or to a terminal block. 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

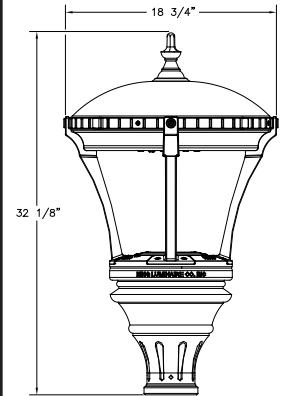
Housing is finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green and rain forest. Please see our website for a complete list of colors. RAL and 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 K595 Aristocrat LED luminaire comes with a 7 year limited warranty.



SHOWN WITH K30 CAPITAL

CERTIFICATION:

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:

With K30 Capital: 0.41 sq. ft.

FIXTURE WEIGHT:

With K30 Capital: 36 lbs





Test Voltage: 120V
Nominal Color Temperature: 3000K & 4000K¹
7030 Engine Series: 30 Emitters (40 - 75W Max)
LED Engine + Driver Rated Life = 100,000 hrs²

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 ³	Efficacy (LM/W) ³	mA @ emitter	Driver Output Current	BUG Rating	HID Equivalent ⁴
0595XP4NL3X04030XXE	No Lens	3000	Type III	40	7030	3342	80.7	400	2000	1-0-1	50-70
0595XP4NL3X04040XXD	No Lens	4000	Type III	40	7030	3627	88.9	400	2000	1-0-1	50-70
0595XP4NL5X04030XXE	No Lens	3000	Type V	40	7030	3261	77.6	400	2000	2-0-1	50-70
0595XP4NL5X04040XXD	No Lens	4000	Type V	40	7030	3507	86.0	400	2000	2-0-1	50-70
In Testing	No Lens	3000	Type III	60	7030	N/A	N/A	600	3000	N/A	70-100
0595XP4NL3X06040XXD	No Lens	4000	Type III	60	7030	5047	79.9	600	3000	1-0-1	70-100
0595XP4NL5X06030XXE	No Lens	3000	Type V	60	7030	4585	73.7	600	3000	2-0-1	70-100
0595XP4NL5X06040XXD	No Lens	4000	Type V	60	7030	4878	79.8	600	3000	2-0-1	70-100
In Testing	No Lens	3000	Type III	75	7030	N/A	N/A	800	4000	N/A	100-150
0595XP4NL3X07540XXD	No Lens	4000	Type III	75	7030	6111	77.5	800	4000	2-0-2	100-150
0595XP4NL5X07530XXE	No Lens	3000	Type V	75	7030	5554	69.4	800	4000	2-0-1	100-150
0595XP4NL5X07540XXD	No Lens	4000	Type V	75	7030	5881	75	800	4000	2-0-1	100-150
In Testing	No Lens	3000	Type III	100	7030	N/A	N/A	960	4800	N/A	150-200
0595XP4NL3X10040XXD	No Lens	4000	Type III	100	7030	7324	73	960	4800	2-0-2	150-200
0595XP4NL5X10030XXE	No Lens	3000	Type V	100	7030	6638	64.7	960	4800	2-0-1	150-200
0595XP4NL5X10040XXD	No Lens	4000	Type V	100	7030	6979	69.6	960	4800	2-0-1	150-200

P4 = 4th Generation Flat Array

¹Color temperature is nominal, please see test report for specific chromaticity information

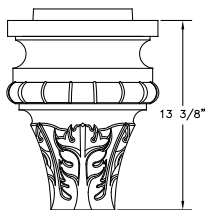
²Contact factory for TM21 information/Driver specification

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

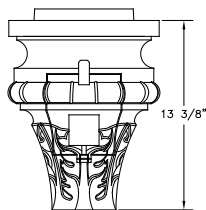
⁴Equivalence should always be confirmed by performing a photometric layout, due to the variability of performance requirements and application criteria

FIXTURE OPTIONS

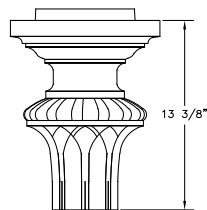
Capital Options



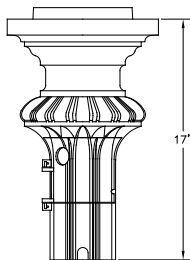
K13



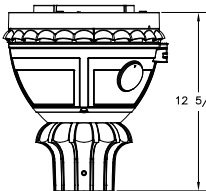
K14 C/W PR



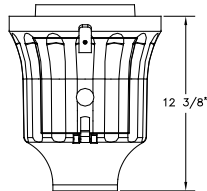
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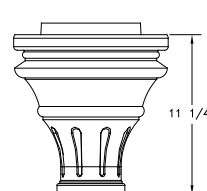
K18 C/W PR



K26 C/W PR

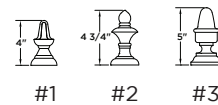


K24 C/W PR



K30

Finial Options



#1

#2

#3

