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 uplight, it is a perfect solution for city streets, parks, schools and commercial areas.

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 uplight control. The lenses shall also control horizontal light distribution so that Type II, III, IV or V IESNA distribution patterns are achieved.

LENS
The K595 Aristocrat is available with or without a lens. Lens options include a clear sag glass and clear shallow glass made of #9000 clear borosilicate glass (fully annealed). It shall maintain a minimum thickness of 0.16”. The lens is secured by means of a cast aluminum holding ring. Additionally, a continuous circular gasket rated for 270°F will assist in sealing the lens and provide an IP66 ingress rating.

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 four 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.

WARRANTY
The K595 Aristocrat 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
IDA Certified*

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
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HOW TO ORDER

IES LIGHTING CLASSIFICATION
- Type 2
- Type 3
- Type 4
- Type 5

SERIES
7030 (40 - 100W)

SOURCE
SSL - Solid State

LINE VOLTAGE
120V (120-277)
480V (347-480)*

*Select wattages available within this range, contact King Luminaire

CAPITAL
K13, K14, K16, K18, K26, K24, K30

*Additional options available on website

CCT
3K - 3000K
4K - 4000K
7030 (40 - 100W)

PHOTO CONTROL OPTION
PR - Photo Receptacle
PE - Photo Receptacle and Photo Eye
PEBC - Photo Electric Buttoncell
*leave blank if not required

CONNECTION
Quick Disconnect is standard. If terminal block is required, please specify TB

WATTAGE SELECTOR
WS - Wattage Selector
*leave blank if not required

WATTAGE
40, 60, 75, 100

PAINT COLOR
GN - Federal Green
BE - Blue
GY - Gray
BN - Brown
BK - Black
BZ - Bronze
*Additional options available on website

LUMINAIRE STYLE
K595 - Aristocrat

OPTICAL OPTIONS
P4NL - P4 Optic No Lens
P4SA - P4 Sag Glass Lens
P4SH - P4 Shallow Glass Lens

*Additional options available on website

www.scgrp.com