



K203 FALCONRIDGE - LED

The K203 Falconridge offers a sleek, smooth look available in various KingCoat™ colors. With its heavy wall aluminum casting and high performing optical system, its suitable for a variety of contemporary settings including roadway lighting, parking lots, walkways, waterfronts and recreational areas.



King Luminaire

PRODUCT SPECIFICATIONS

LED ENGINE

Light engine shall include an array of 30 solid state 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 III or V IESNA distribution patterns are achieved.

LENS

The K203 Falconridge pendant is available with or without a lens. Lens options include clear glass (borosilicate) sag, clear glass (borosilicate) shallow, rippled glass (borosilicate) shallow, acrylic shallow refractive, polycarbonate shallow refractive, rippled acrylic deep dish and rippled glass (borosilicate) deep dish. The lens is secured by means of a cast A319 aluminum globe ring that is sealed with a continuous circular gasket.

LUMINAIRE CONSTRUCTION

The luminaire shall consist of a heavy cast aluminum housing that acts as the enclosure for the engine and is of adequate thickness to give structural rigidity. The engine must be affixed to the inside of the housing with stainless steel screws.

The bottom decorative portion of the K203 Falconridge is comprised of a one-piece spun aluminum alloy with a minimum thickness of 0.09". The spinning is permanently affixed to the cast housing with the use of stainless steel hardware.

PLUMBIZER

The K203 Falconridge 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 up 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. Dimming capable using 1-10vdc (10% to 100%), 10v PWM, or resistance.

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 to DOE sanctioned standards to determine the maximum in-situ solder-point

or junction-point temperatures of the LED emitters. This report is available upon request.

FINISH

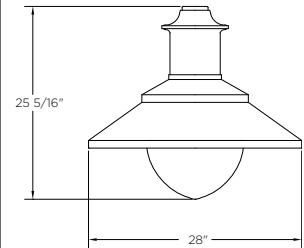
Housing is finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green and rain forest. Please see our website for a complete list of colors. RAL and 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 K203 Falconridge 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
Dimming Capable: 1-10vdc

EPA:

Shallow Lens: 1.72 sq. ft.

FIXTURE WEIGHT:

Shallow Lens: 33 lbs



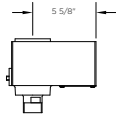
Contact King Luminaire for product specifications that are exempt from CSA Certification 08-11-2021

PLUMBIZER/MOUNTING OPTIONS

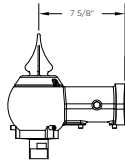
K203 FALCONRIDGE - LED



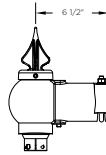
KPL10



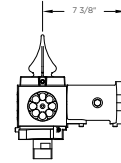
KPL11*



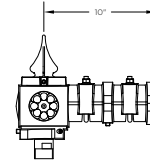
KPL20**



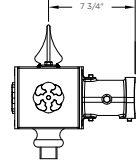
KPL21**



KPL30**



KPL31**



KPL40

*Available with PR7

**Available with PR7 or finial

HOW TO ORDER

LUMINAIRE STYLE K203- Falconridge		IES LIGHTING CLASSIFICATION II - Type 2 III - Type 3 IV - Type 4 V - Type 5		SOURCE SSL - Solid State		SERIES 7030 (25 - 100W)		LINE VOLTAGE 120V (120-277V) 480V (347-480V)* *Select wattages available within this range, contact King Luminaire. 120V will be provided if blank.		PAINT COLOR GN - Federal Green BE - Blue GY - Gray BN - Brown BK - Black BZ - Bronze *Additional options available on website. BK will be provided if blank.	
								PLUMBIZER KPL10, KPL11, KPL20, KPL21, KPL30, KPL31, KPL40 *leave blank if not required		CCT 3K - 3000K 4K - 4000K	
OPTICAL OPTIONS P4FL - P4 Flat (No lens) P4SA - P4 Clear Glass Sag Lens P4SH - P4 Clear Glass Shallow Lens P4GS - P4 Rippled Glass Shallow Lens P4AS - P4 Acrylic Shallow Refractive Lens P4PS - P4 Polycarbonate Shallow Refractive Lens P4RAD - P4 Deep Dish Acrylic Lens P4RGD - P4 Deep Dish Glass Lens				WATTAGE 25, 40, 60, 75, 100				PHOTO CONTROL OPTIONS PR - Photo Receptacle, available with KPL11, KPL20, KPL21, KPL30, KPL31 PE - Photo Receptacle, PR and Photo Eye. Available with KPL11, KPL20, KPL21, KPL30, KPL31 PEBC-Photo Electric Buttoncell * leave blank if not required		WATTAGE SELECTOR WS - Wattage Selector * leave blank if not required	
K203				(SSL)		7030					