



K201 RADIAN - LED

The K201 Radian offers simple beauty with its elegantly rippled shroud. With its heavy wall aluminum casting and high performing LED 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 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 either Type II, III, IV, or V IESNA distribution patterns are achieved.

LENS

The K201 Radian pendant shall be available with or without a lens. Lens options shall 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 shall be secured by means of a cast 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 shall be affixed to the inside of the housing with stainless steel screws.

The bottom decorative portion of the K201 Radian shall be comprised of a one-piece spun aluminum alloy with a minimum thickness of 0.09". The spinning shall be permanently affixed to the cast housing with the use of stainless steel hardware.

PLUMBIZER

The K201 Radian shall come 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 shall be DALI-2 D4i and capable of 108 - 305V or 249 - 528V input voltage, greater than 0.9 power factor, and less than 20% total harmonic distortion. Each LED system shall come with built-in, high-capacity surge protection, in addition to a complementary SPD added by King Luminaire, designed to withstand up to 20kV/10kA of transient line surge as per IEEE C62.41.2 C High and ANSI C136.2 Extreme Level (20kV/10kA). An in-line ferrite choke shall be utilized to provide protection against EFT's. The driver assembly shall work with service feeds powered with one hot wire and a neutral or two hot wires. The case temperature of the driver shall range from -40°C up to 70°C. The driver assembly shall be mounted on a heavy duty fabricated aluminum mounting bracket.

PHOTOMETRICS

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

CHROMATICITY

High output LEDs shall come standard at 2700K, 3000K, & 4000K (+/- 300K) with a minimum nominal 70 CRI. Additional CCT emitters are to be available upon request.

LUMEN MAINTENANCE

Reported (TM21) and Calculated (L70) reports are to be 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 105°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWF-2, or SEW-2

No. 14 gauge, 105°C, 600V.

THERMALS

Fixtures shall be tested to DOE sanctioned standards to determine the maximum in-situ solder-point or junction-point temperatures of the LED emitters. This report is to be available upon request.

FINISH

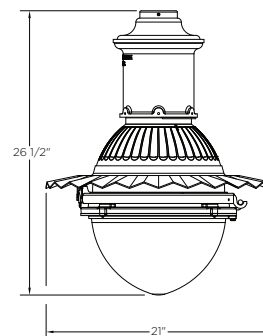
Housing shall be finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green, and rain forest. Please see our website for a complete list of colors. RAL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

MISCELLANEOUS

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

WARRANTY

The K201 Radian LED luminaire shall come 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

EPA:

Shallow Lens: 1.29 sq. ft.

FIXTURE WEIGHT:

Shallow Lens: 24 lbs



Certified by DarkSky.org

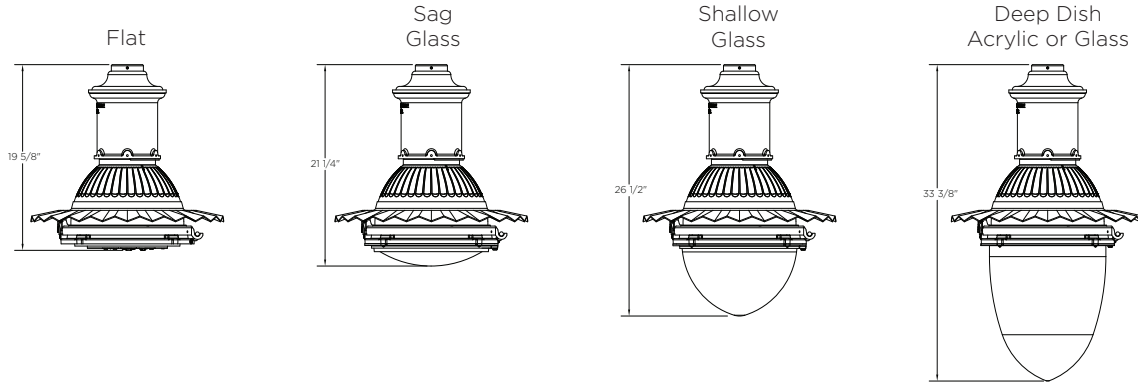


*DarkSky Certification applicable for maximum 3000K CCT. Glass lenses do not apply. Contact King Luminaire for product specifications that are exempt from CSA Certification 05-28-2025

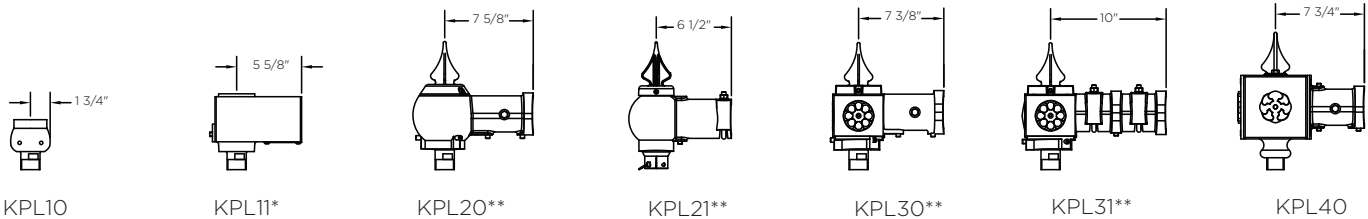
FIXTURE OPTIONS

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Lens Options



Plumbizer/Mounting Options



*Available with PR7

**Available with PR7 or finial

HOW TO ORDER

IES LIGHTING CLASSIFICATION II - Type 2 III - Type 3 IV - Type 4 V - Type 5		LINE VOLTAGE 120V-277V 347V-480V *Can accommodate a specific voltage within either of these ranges.		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.	
LUMINAIRE STYLE K201 - Radian	WATTAGE 25, 40, 60, 75, 100		CCT 27K - 2700K 30K - 3000K 40K - 4000K		LEVELING DEVICE Configured separately
OPTICAL OPTIONS P4 - P4 Optic (Flat Array)		WATTAGE SELECTOR WS - Wattage Selector * leave blank if not required. Reset to full output prior to utilizing smart Controls.		FINIAL Configured with Leveling Device	
LENS OPTIONS FL - Flat (No lens) SA - Clear Glass Sag Lens SH - Clear Glass Shallow Lens GS - Rippled Glass Shallow Lens AS - Acrylic Shallow Refractive Lens PS - Polycarbonate Shallow Refractive Lens RAD - Deep Dish Acrylic Lens RGD - Deep Dish Glass Lens		SOURCE SSL - Solid State		PHOTO CONTROL OPTIONS Configured with Leveling Device	
LIGHT SHAPING HS3 - 3" Deep x 120° House Side Shield HS6 - 6" Deep x 120° House Side Shield LPS - Low Profile Shield LGD - LED Glare Diffuser (Nimbus Optic) HS3-LGD - 3" Deep x 120 Degree + Diffusion HS6-LGD - 6" Deep x 120 Degree + Diffusion *leave blank if not required					