

STREET AND RESIDENTIAL LUMINAIRE

CRIOTEK LED

01 02 03



	EN IEC 60598	RoHS	IP66	IK10		-40°C÷....+55°C	WARRANTY 5 years	MAX 149.7W LED
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General specifications

Product name	CRIOTEK LED
Application area	The CRIOTEK LED street lighting family represents the solution to the challenges faced by municipal authorities—ensuring public safety while simultaneously saving energy and reducing maintenance costs. This high-performance street luminaire combines distinctive design with superior lighting quality, seamlessly integrating into urban architecture. It is a family of modern street lighting fixtures equipped with the latest generation light sources, offering extended lifespans and high-performance LED modules. Street lighting for main, local, and secondary roads, with lighting classes ME2, ME3, ME4, ME5, ME6, S1÷S6, in accordance with SR EN 13201. Residential lighting for pathways, sidewalks, parks, pedestrian crossings. Parking lots, train stations, bus terminals, large public spaces, etc.



Advantages	– A modern lighting fixture with LED light sources; – Low energy consumption; – Extended life span; – Environmentally friendly; – Ideal for replacing street lights with compact fluorescent, sodium, metal halide lamps; – Low maintenance costs; – No interventions are necessary to replace the light sources in operation;
Light source	High-efficiency LEDs
Color temperature	4000
Color rendering index (CRI)	≥70
Light distribution/optical system	TP3-dedicated light distribution for street lighting
Degree of protection against dust/water ingress	IP66
Degree of protection against mechanical impacts	IK10
Operating temperature range	-40°C...+55°C
Warranty	5 years

Electrical characteristics

Rated voltage	230 Vac
Surge protection	10 kV
Frequency (Hz)	50-60 Hz
Power factor	≥0,95
LED lifetime	100.000 hours
Driver	With flux adjustment 1-10V

Technical characteristics

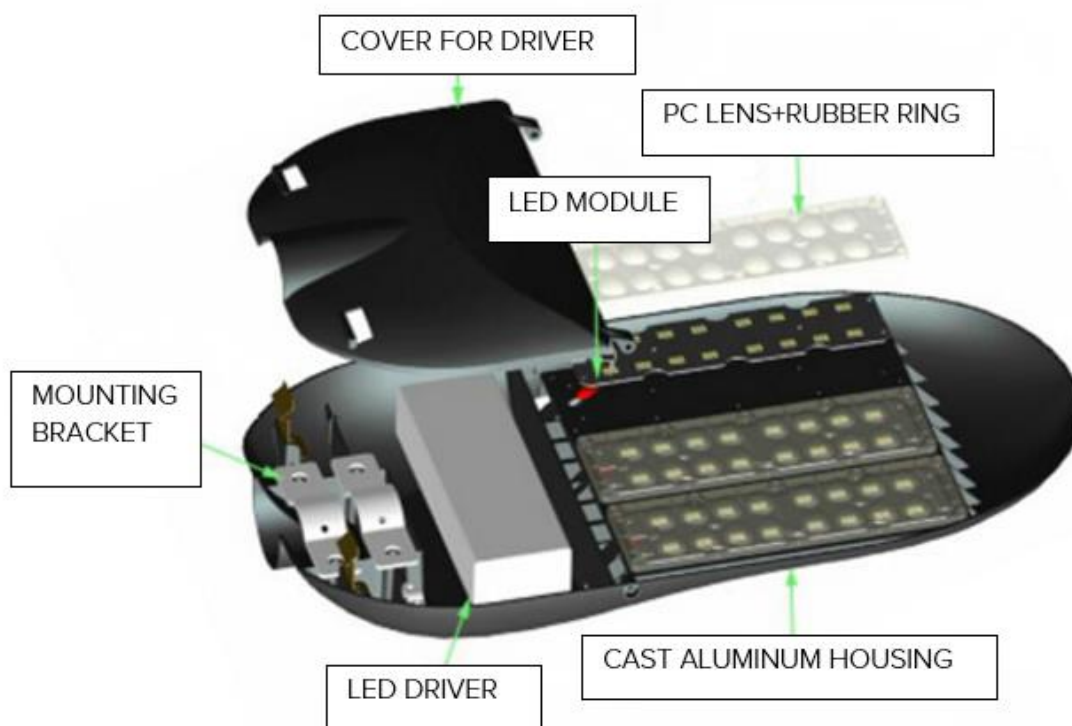
Construction structure Cast	Aluminum housing with electrostatic paint.
Optical system	- It is designed to meet the requirements of the SR EN 13201 standard for street lighting and includes high-power LEDs with a light flux orientation system specialized for road lighting. - Equipped with a UV-treated polycarbonate diffuser with an IP68 protection rating. - The total luminous flux of the luminaire will be determined by the number of LEDs and/or the current supplied to the LEDs.
Electrical accessories	The electrical accessories compartment can be easily and quickly opened with clips for repairs, maintenance operations, or for replacing components after the warranty period. 
Color	Grey (RAL 7043)
Variants upon request	- Can be equipped with another LEDs with color temperature in the range 3000÷6500K, CRI≥70/80. - Body painted in other colors from the RAL palette - Equipped with Nema or Zhaga socket. - Aluminum spigot with indexing 0° to 90°, with the possibility to adjust the tilt angle in 5° increments, for mounting on a bracket or pole top

Mounting

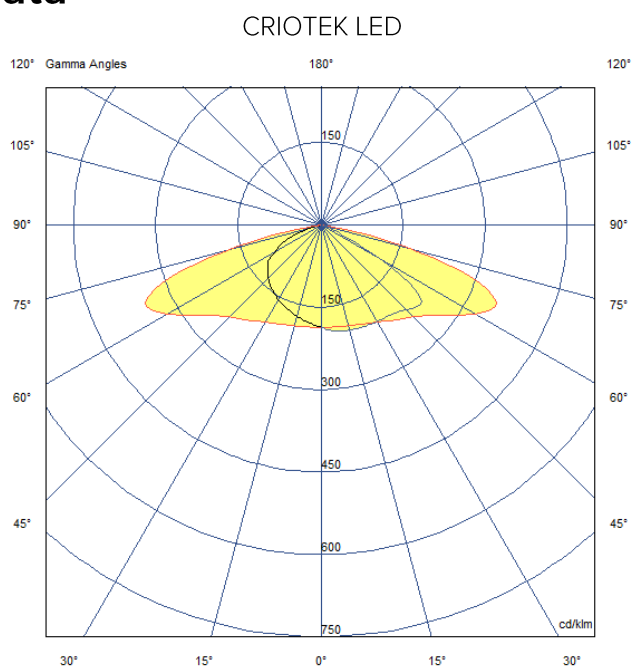
- The mounting system on the pole at the end of the housing allows installation on a bracket, on a pipe with a diameter of $\Phi 60$ - $\Phi 65$ mm, or with brackets on a pipe with a diameter of $\Phi 48$ - $\Phi 60$ mm.
- CRIOTEK 01 LED: Max. wind surface = 0.048 m²,
- CRIOTEK 02, 03 LED: Max. wind surface = 0.054 m².
- Recommended mounting height: Max 6-15m.

Standards and certifications

Standards	EN IEC 60598-1 EN IEC 60598-2-3
In compliance with European Directives – Electromagnetic Compatibility Directive – Low Voltage Directive – RoHS Directive, WEEE Directive	



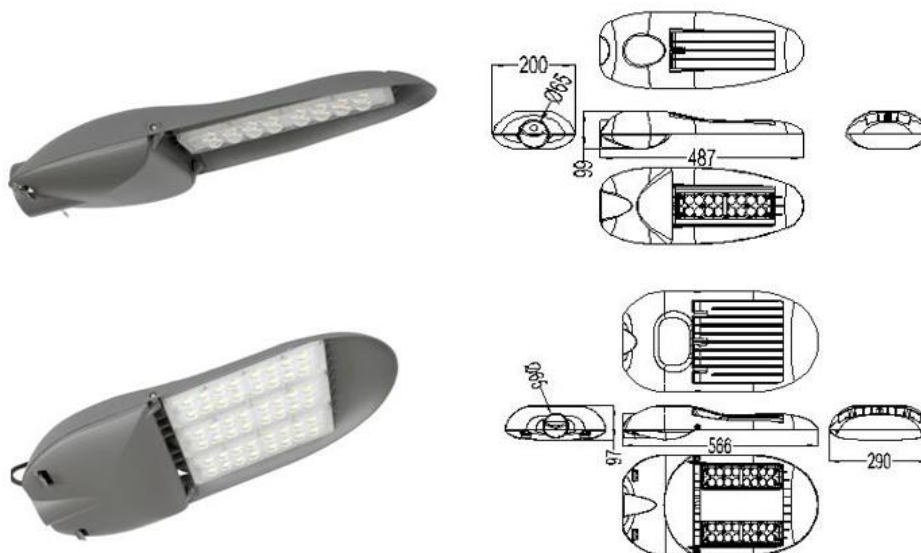
Photometric data



Light intensity distribution curve [Cd/1000 lm]

Dimensional characteristics

CRIOTEK LED



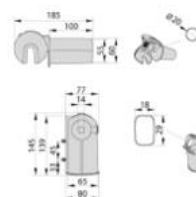
ACCESSORIES ON REQUEST



MOUNTING BRACKET



Main accessory – SPIGOT WITH INDEXING 0-90°
01419454



Product type	L [mm]	l [mm]	h [mm]	m [mm]
CRIOTEK 01 LED	487	200	99	Φ60-65mm with clamps Φ48-60mm
CRIOTEK 02 LED	566	290	97	Φ60-65mm with stripes Φ48-60mm
CRIOTEK 03 LED	566	290	97	Φ60-65mm with stripes Φ48-60mm

Annex-product codes

Product type	Product code	Rated Voltage [V]	Rated power [W]	Power factor	Protection degree	Class of protection against electric shock	IK	Weight [Kg]	Total net flux [lm]	Total luminous efficiency [lm/W]
CRIOTEK 01 LED 2609-6443LM 14.8-41.8W 740 TYPE1	35633132	230	41.8	≥0.95	IP66	I	IK10	2.1	6443	154
CRIOTEK 02 LED 3481-14394LM 17.2-84.3W 740 TYPE1	35633133	230	84.3	≥0.95	IP66	I	IK10	4.8	14394	171
CRIOTEK 03 LED 5222-21591LM 25.9-149.7	35633134	230	149.7	≥0.95	IP66	I	IK10	4.8	21591	144
PS.MOUNTING KIT CRIOTEK 01	03116864	-	-	-	-	-	-	0.1	-	-
PS.KIT MOUNTING STRIPE CRIOTEK 02-03	03216864	-	-	-	-	-	-	0.1	-	-
Spigot with indexing 0÷90°	01419454									

740 = 4000K, CRI≥70;

TYPE1 = optics dedicated for street lighting.

The values are approximate and may be subject to change.

The tolerance of the initial flux and initial active power is ±10% of the specified value. These values are measured at an ambient temperature of 25°C unless another temperature is specified.

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