

KINGDOM TSL-R003

50/100
150W

Road & Street
Luminaires

5 years
Guarantee



LED PIONEER
Made in THELUX

Thelux 
LED TECHNOLOGY

Thelux	PRODUCT GUIDELINES	Issue	01-08-2021
		Document n°	TSL-R003
	LED STREET LIGHT KINGDOM SERIES	Vision n°	02.01
		Item°	TSL-R003



Product guideline

Item Model: TSL-R003
Marketing item

Description: LED STREET LIGHT
85-265VAC -50W 100W 150W -
>120lm/W, PF>0.9

Approved issue: 01 / 08 / 2021

xx= CCT value reference Signature of Technical Manager



Electrical Specifications

Powers	50 100 150W
Lumen	6000 12000 18000lm
Lumen on Per Watt	120lm/W
LED Chip and Driver Brand	Bridgelux LED and Thelux Driver
LED Chip Lifetime	Ts=85°C +100.000 hrs L70
LED Driver Lifetime	Ip65 Driver Tc<72°C +62.000hrs
Input Voltage	85-265V AC
Frequency	50-60Hz
Power Factor (at Full Load)	>0.95
SPD	6KV
Total Harmonic Distortion	<%10
Operating Temperature Range	-30 ~ 60°C
Electrical Class	Class 1



Optical Specifications

Lumen	6000 12000 18000lm
Lumen on Per Watt	120lm/W
Lens	PC
Diffuser	Glass
Transmittance	98%
Suitable Road Class (ME1 to ME6)	ME3/ME4/ME5/ME6
Color Rendering Index (CRI)	>70
Color Standard(3-5 Mac Adam Steps)	Ts=85°C + 100.000hrs L70
Color Temperatures	3000-4000-6500K(±150K)



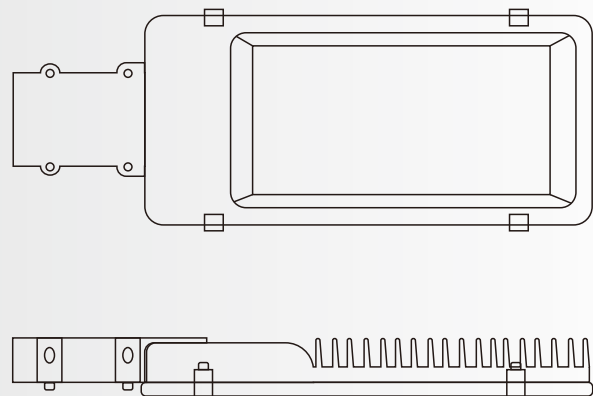
Mechanical Specifications

Housing	Die-casting Aluminum
IP Protection	Ip65
IK Protection	Ik06 Glass IK09 Body
Scx≤	Ts=85°C + 100.000hrs L70
Weight (kg)	2.85 4.12 5.2kg
RAL Code	Ts=85°C + 100.000hrs L70
Dimensions (mm)	50x21x7 52x22x7 60x25.5x7cm
Console Connection Side Entry	42-60mm
Console Connection Post Top	42-60mm
Consoled Angle	/
Recommended Installation Heights	4-15m

Certifications and Reports	60598-2-3, Lm79, Lm80, Tm21, Ip66, IK06-09, CE
Warranty	5 years



Diagram



Product information

Thelux LED street light, KINGDOM series, TSL-R003, with its innovative and unique solutions, is an excellent choice for road and street lighting solutions. KINGDOM, has the heaviest lamp body compared to the similar design in the market, strong heat sink helps LEDs for fast heat radiation. KINGDOM is one of the best selling model in the year of 2018-2019.

Application areas



Roadways
and Highways



Pedestrian street

Structures and materials

- Housing material: die-cast aluminium body, with stainless steel screws.
- Optic material: Optical-grade polycarbonate
- Optical cover: Tempered glass
- Colour: RAL7021
- Impact Strength: IK09 (housing) / IK06/08 (glass)

Electrical

Input voltage and frequency: 85-240V, 50-60Hz
IEC protection class: Class I
Driver immunity: 10kV/5kA
Rated input power: Up to 150 W



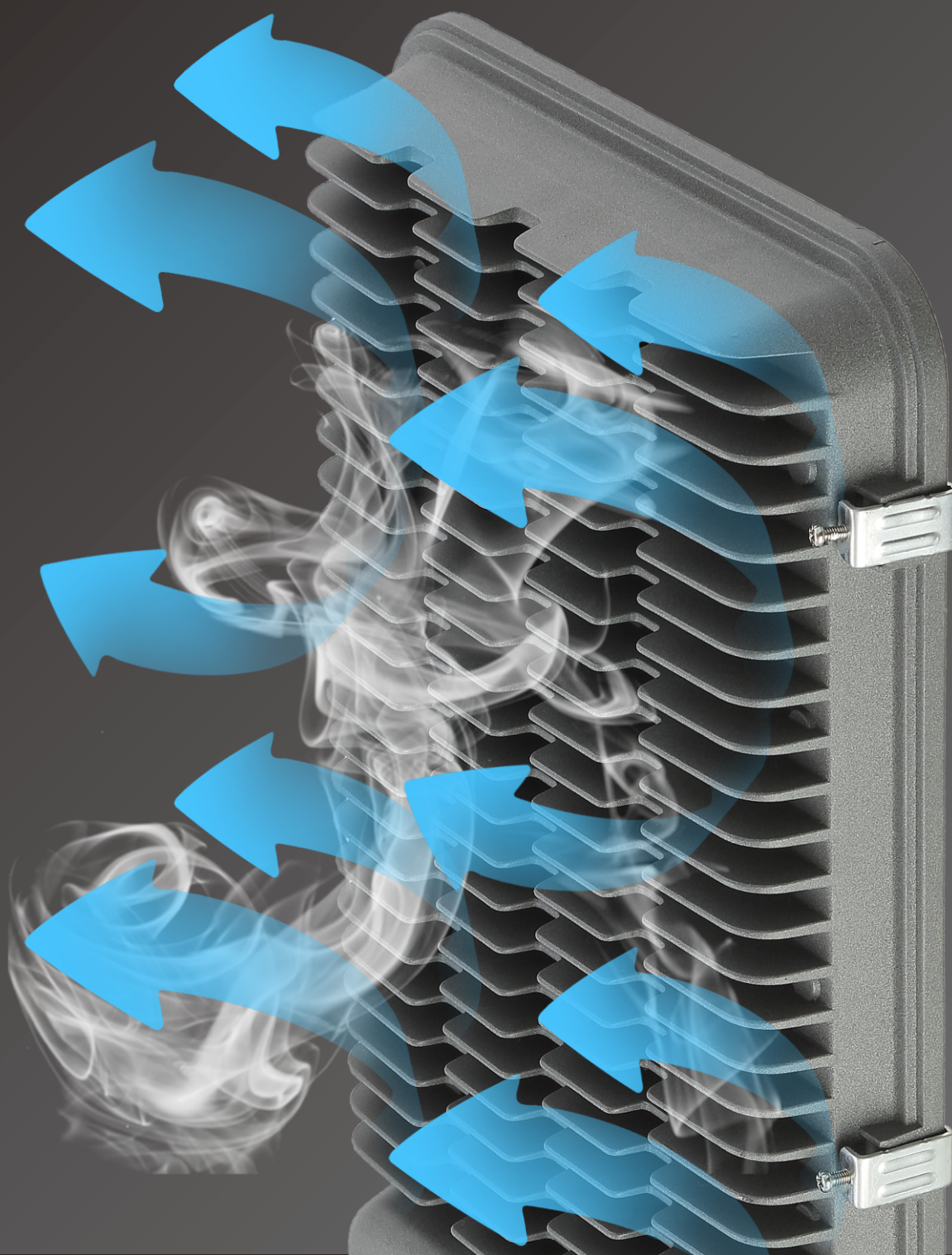
Optics

Rated colour rendering index > 70
Rated correlated colour temperatures: 2700K, 3000K, 4000K, 5000K, 6500K
ULOR: 0
Rated initial chromaticity co-ordinate values:

- 2700K: CIE(x=0.4582, y=0.4099) 5SDCM
- 3000K: CIE(x=0.4338, y=0.403) 5SDCM
- 4000K: CIE(x= 0.3818, y= 0.3797) 5SDCM
- 5000K: CIE(x= 0.34, y= 0.35) 5SDCM

5.2KG

Net weight for 150 lamp body



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EMC3030

Super high lumen output Bridgelux upto 150lm/W





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