

NEW MIRACLE

MAX 200W

Road & Street
Luminaires

5 years
Guarantee



*image of 40W, NEMA socket ready.



Product guideline

Item Model: TSL-R013/150
Project item

Description: LED STREET LIGHT
85-265VAC -150W ->18000lm, PF>0.9
Philips 6v1W

Approved issue: 01 / 07 / 2021

xx= CCT value reference Signature of Technical Manager

Issue	01-07-2021
Document n°	TSL-R013
Vision n°	02.02
Item°	TSL-R013/150



Electrical Specifications

Powers	150W
Lumen	18000lm
Lumen on Per Watt	120lm/W
LED Chip and Driver Brand	Philips LED and Thelux Driver
LED Chip Lifetime	Ts=85°C +100.000 hrs L70
LED Driver Lifetime	Ip67 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	18000lm
Lumen on Per Watt	120lm/W
Lens	PC
Diffuser	Tempered Glass (IK08)
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	270 - 4000 - 6500K(±150K)



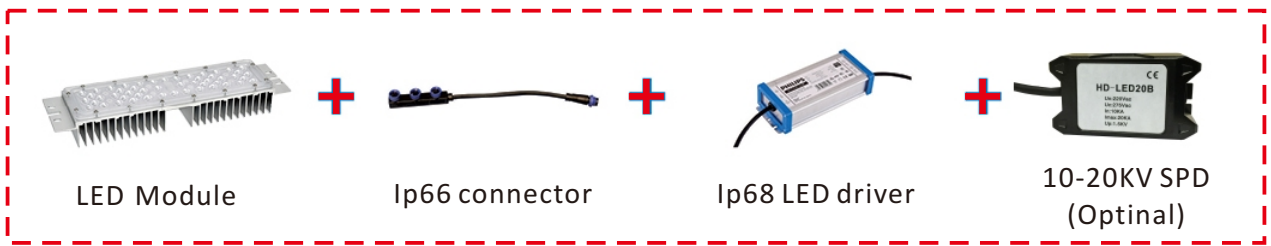
Mechanical Specifications

Housing	Aluminum
IP Protection	Ip66
IK Protection	Ik09 Body
Scx≤	Ts=85°C + 100.000hrs L70
Weight (kg)	5.5kg
RAL Code	Ts=85°C + 100.000hrs L70
Dimensions (mm)	65*26*9.5cm
Console Connection Side Entry	50 - 60mm
Console Connection Post Top	/
Consoled Angle	/
Recommended Installation Heights (m)	4 - 15m

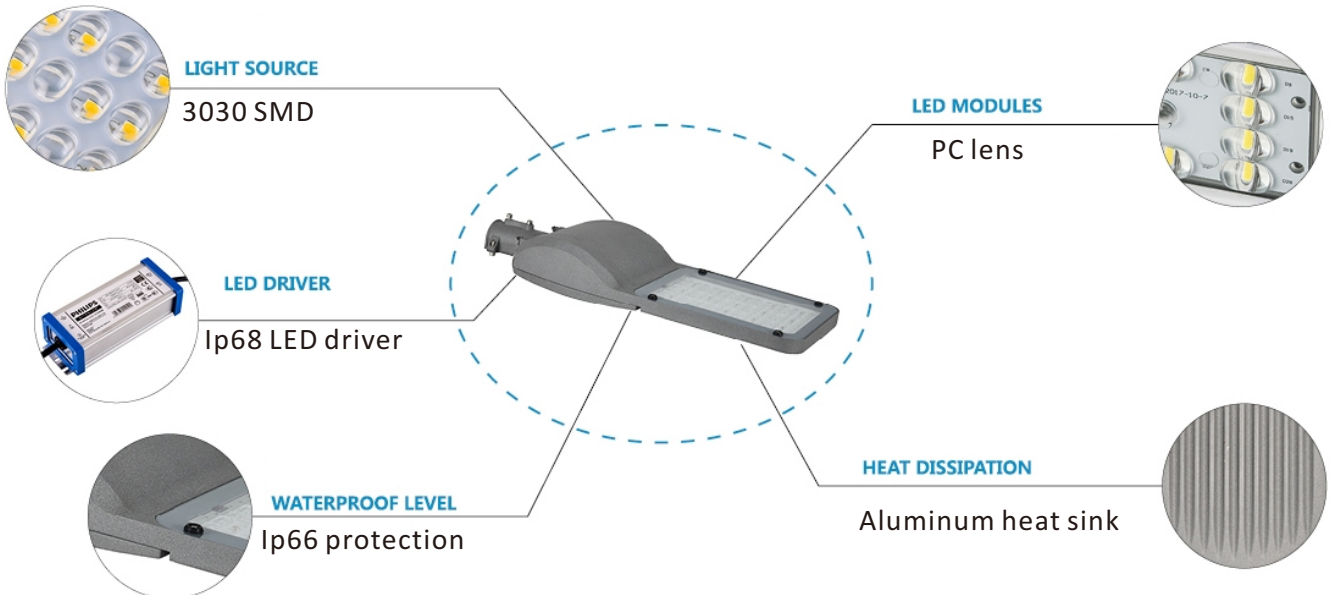
Certifications and Reports	60598-2-3, Lm79, Lm80, Tm21, Ip66, IK08-09, CE
Warranty	5 years

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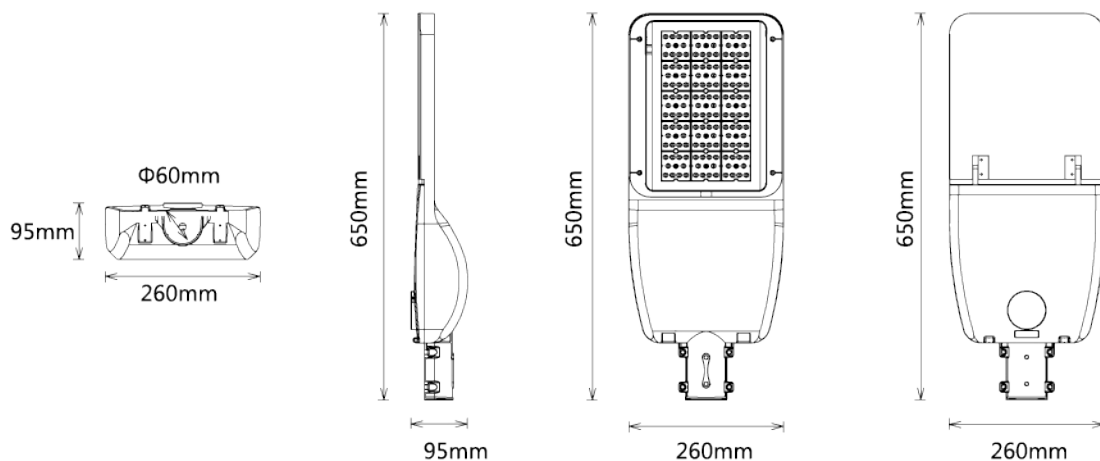
PRODUCT FEATURES



PRODUCT INTRODUCTION



PRODUCT DIAGRAM



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*tool-free maintenance.



Product information

Thelux LED street light, MIRACLE series, TSL-R013, with its innovative and unique solutions, is an excellent choice for road and street lighting solutions. MIRACLE, has the heavier lamp body compare to the similar design in the market, strong heat sink helps LEDs for fast heat radiation. MIRACLE is one of the best selling model made in Thelux.

Tool-free maintenance design helps customers easier to handle.

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(optional)
- 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 200 W

Optics

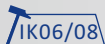
Rated colour rendering index > 70

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



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