LuXLuminaire Lighting solutions
A MIR GROUP COMPANY

PRODUCT DATASHEET
REV. 2026-11-12



ROAD & STREET LUMINAIRES · RIO ROAD & STREET LUMINAIRES

Rio Road & Street Luminaires

Slim, compact side-entry LED luminaire for urban roads and residential streets.

POWER **70–150 W**	LUMINOUS FLUX **7700–19500 lm**	EFFICACY **110–130 lm/W**	INGRESS **IP66**
IMPACT **IK09**	COLOUR TEMP. **3000 K / 4000 K / 6500 K**	LED LIFE **50,000 hours**	ELECTRICAL CLASS **Class I / Class II**

Applications Roads & highways

Product summary

LED Brands	CREE / Samsung / Osram / Philips	**Driver**	Philips ENEC-certified LED driver
Efficacy (lm/W)	110–130 lm/W	**Coating Colour**	RAL Code 9006 (Optional)
Electrical Protection Class	Class I / Class II	**Standards Compliance**	EN 60598-2-3; EN 60598-1

Production can be tailored to special demands.

Technical specifications

LED MODULE

CRI	>70 / >80 (Optional)
Colour Temperature CCT	3000 K / 4000 K / 6500 K (Optional)
Light Source	High Power LED
LED Life	50,000 hours
Optical Light Distribution	Asymmetric / Symmetric (Optional)
Console Entry (mm)	48

ELECTRICAL AND DRIVER PROPERTIES

Input Voltage	220–240 V AC, 50–60 Hz
Power Factor	>0.95
Dimming / Control Interfaces	Step Dim; 1–10 V; DALI; Zhaga Socket
Driver	Philips ENEC-certified LED driver

Dimensions (a × b × c)	545 × 265 × 85 mm

MECHANICAL AND DIMENSION PROPERTIES

Housing	Aluminium
IK	IK09
IP	IP66
Diffuser	4 mm Tempered Glass
Gasket	Silicone gasket
Console Entry	48 mm
Paint RAL Code	9006 / Any RAL Code

Variants

Code	Power (W)	Luminous Flux (lm)	Efficacy (lm/W)
RIO.ST.00.070	70	7700	110
RIO.ST.01.100	100	11000	110
RIO.ST.02.120	120	13200	110
RIO.ST.03.150	150	16500	110
RIO.ST.04.070	70	8400	120
RIO.ST.05.100	100	12000	120
RIO.ST.06.120	120	14400	120
RIO.ST.07.150	150	18000	120
RIO.ST.08.070	70	9100	130
RIO.ST.09.100	100	13000	130
RIO.ST.10.120	120	15600	130
RIO.ST.11.150	150	19500	130

Standards & certifications

TSE · CE · EAC · ENEC · EMC · IP66 · IK09 · Class I / Class II

Standards compliance: EN 60598-2-3; EN 60598-1

Full product page and quotation request: **https://solarstreetlighting.net/en/products/road-street/rio/road-and-street-luminaires-rio/**