

 **Pelsan**



**ROAD & STREET
LUMINAIRES**









RIO XXS

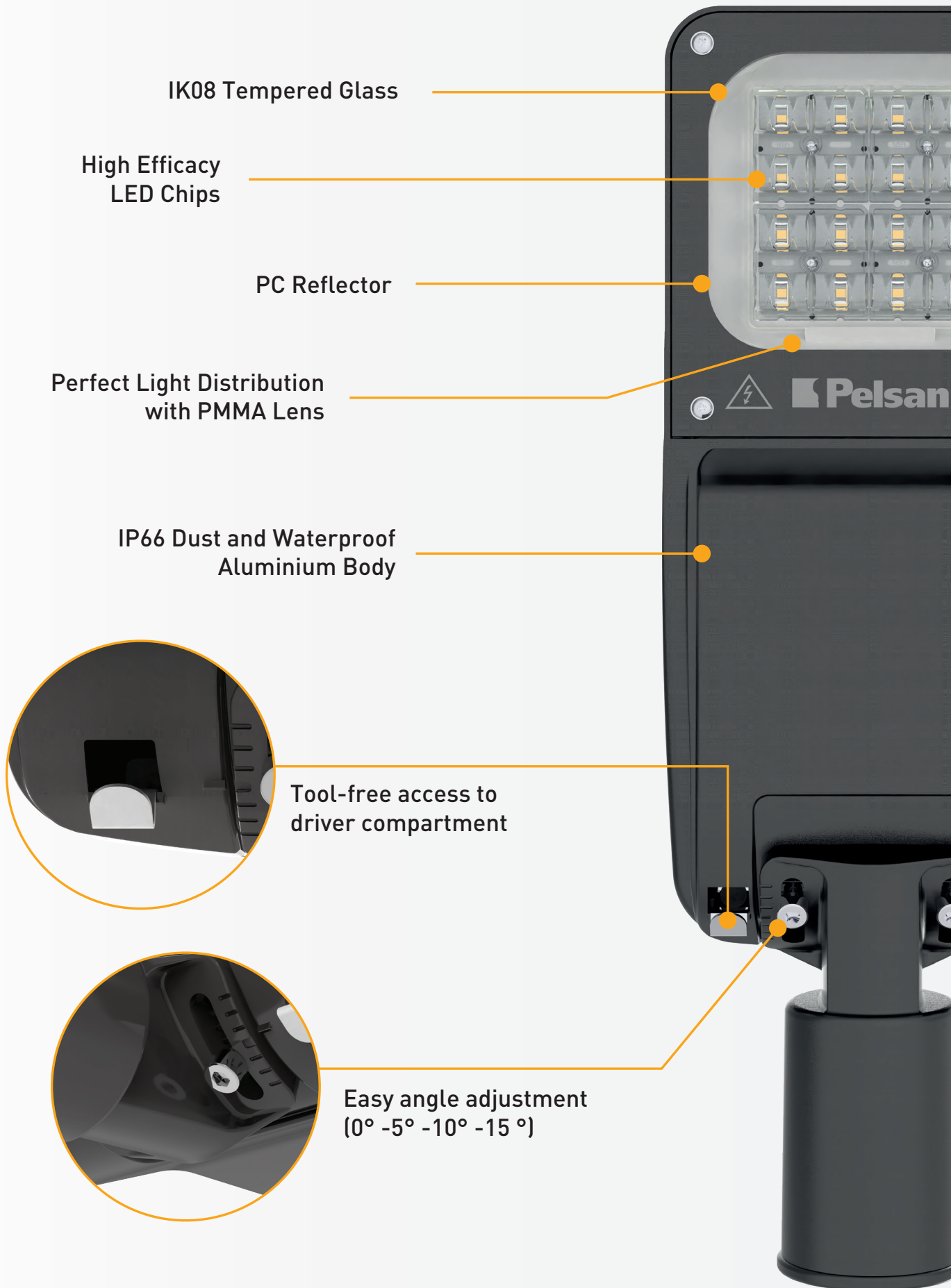
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RIO XXS





-  Aluminium Injection Body
-  IP66, Dust and Waterproof
-  IK08 Tempered Glass
-  Efficacy up to 145 lm/W
-  IP67, ENEC Certificated Driver
-  LED Chip Lifetime, +100.000hrs L70 @Ts=85°C
-  10kV Internal Surge Protection
-  Tool Free Design



IK08 Tempered Glass

High Efficacy
LED Chips

PC Reflector

Perfect Light Distribution
with PMMA Lens

IP66 Dust and Waterproof
Aluminium Body

Tool-free access to
driver compartment

Easy angle adjustment
(0° -5° -10° -15 °)



Tool-free openable driver compartment

Self-cleaning feature with its seamless structure

Nema and Zhaga Socket Available

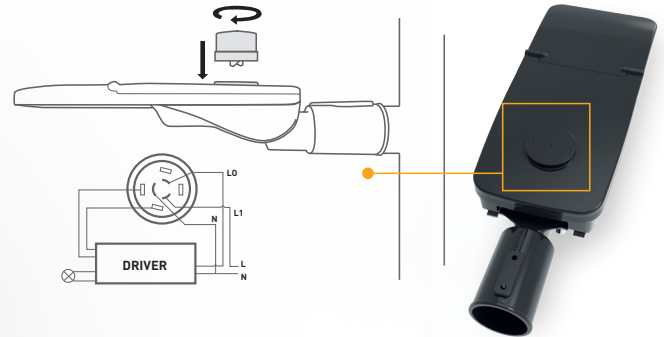
Console Entry
42-60





Nema & Zhaga Socket

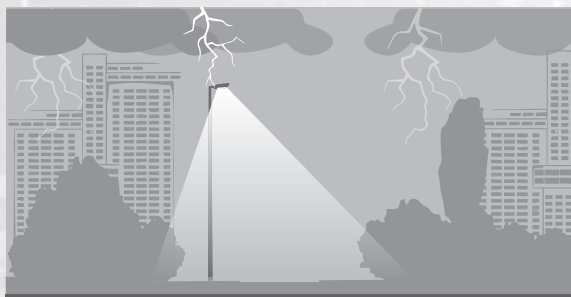
Nema socket is a separate part from the luminaire used to adapt the luminaires to the technology of the future. It easily adapts to new technological developments by changing the socket. Maintenance and installation is easy.



Remote control systems can be used with DALI, 1-10V, Step DIM options. According to the density of the road, operations such as switching on, off and dimming of the luminaire can be done easily.

Photocell

Photocell is a sensor that automatically switches the luminaires on and off by detecting the brightness level of the environment. The photocell, which is activated with the darkening of the environment, increases efficiency by preventing unnecessary energy consumption.

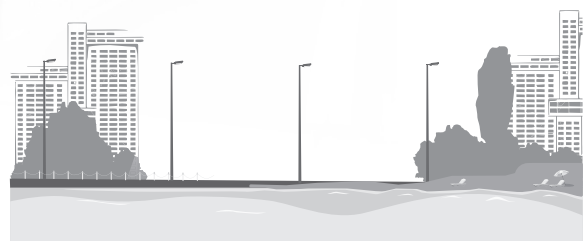


External SPD

SPD protects the luminaire against lightning and high voltage surges. 10kV internal surge protector is used in RIO XXS. By integrating an external surge protector into the luminaire, it increases the resistance of the luminaire against damage caused by overvoltage.

Marine Painting

Adverse environmental conditions, particularly in coastal areas and chemical environments, can occur. Marine-grade paint provides additional protection against corrosion for the luminaire in tough environmental conditions.

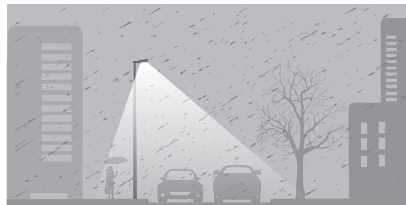
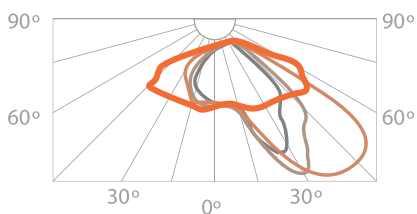


Optical Solutions in Line With Different Fields of Application

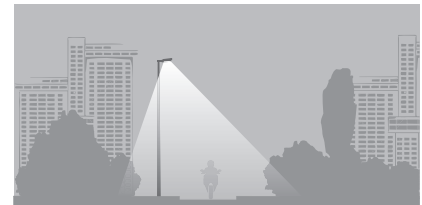
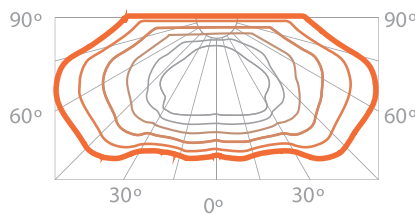
Rio XXS road and street luminaire offers alternative optical solutions in accordance with the specifications of TEDAS and lighting classes in different fields of application



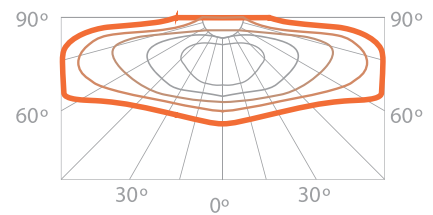
Optical solutions suitable for ME-CE class urban road-street illuminations



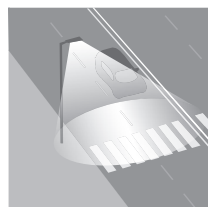
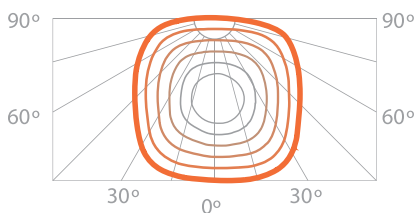
MEW class optical solutions suitable for the lighting of asphalt highways with high luminous reflectivity.



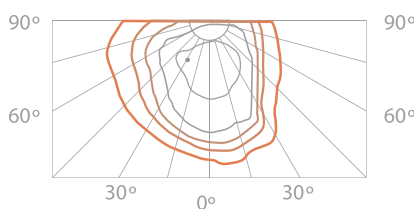
Optical solutions suitable for CE and S class fields of application in cities.



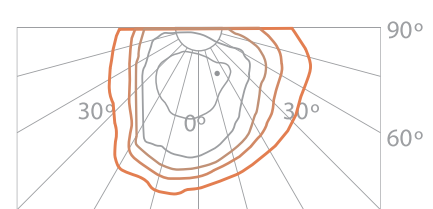
Optical solutions suitable for Square-Environment-General Lighting class



Optical solutions suitable for crosswalk lightings



Optical solutions suitable for crosswalk lightings

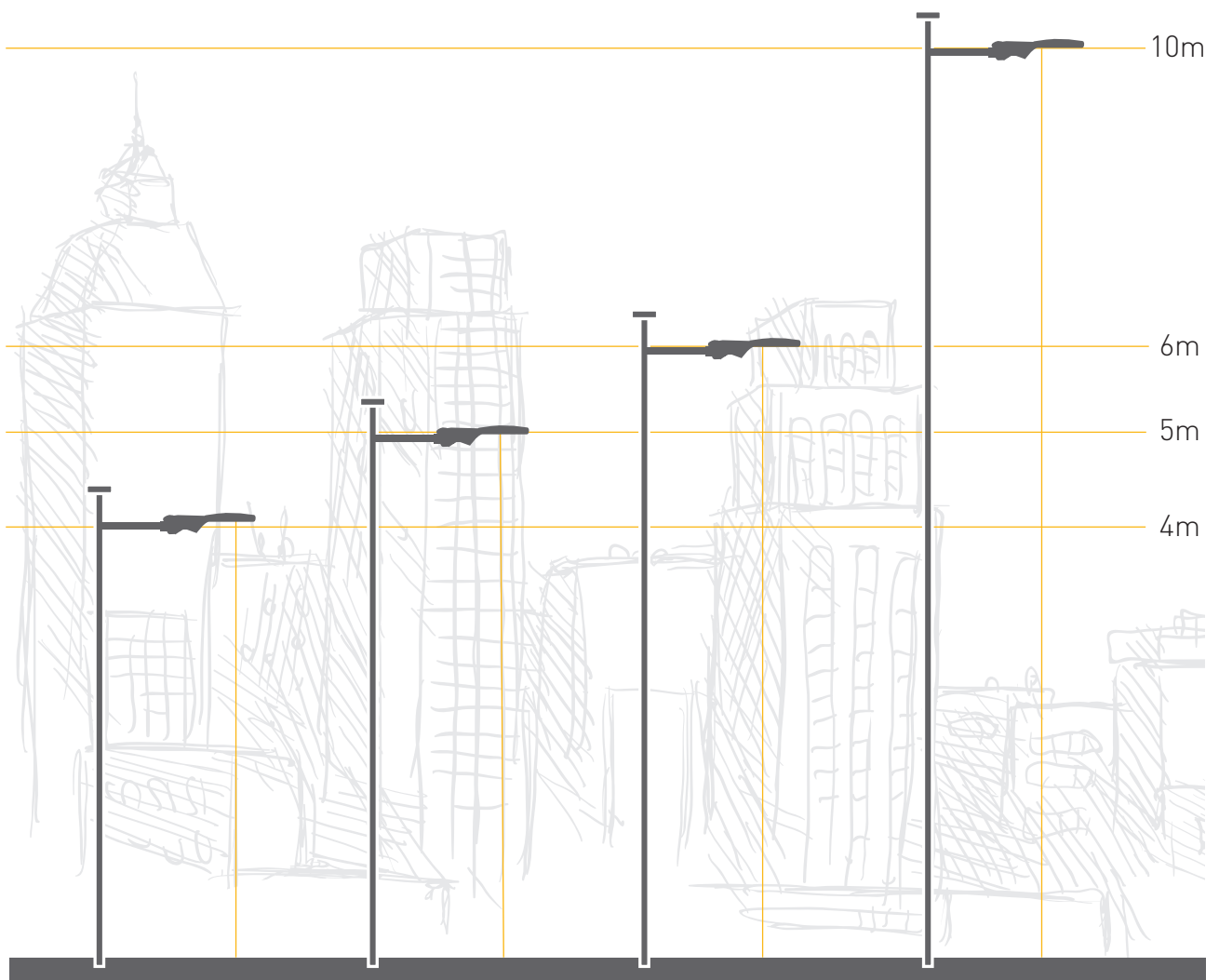


Optional Usage Option According to Different Heights



Rio XXS LED road and street luminaires offer alternative options with pole heights between 4-10m and different power -lumen output choices.

Power	Recommended Pole Heights
35W	4-6m
50W	6-8m
60W	8-10m





Mechanical Specifications

Body	Aluminium
IP Rating	IP66
IK Rating Body	IK09
Scx≤	0,093
Weight (kg)	3,3
RAL Code	7043
Dimensions (mm)	178x525x120
Side Console Entry	42-60mm
Top Console Entry	42-60mm
Console Angle	0° -5° -10° -15°
Recommended Application Height (m)	4-10m



Electrical Specifications

Power	35W- 50W-60W
Luminous Flux	5075lm-6850lm- 8520lm
Efficacy	145lm/W - 137lm/W - 142lm/W
LED Chip and Driver Brand	Samsung - IP67 ENEC Certified Driver
LED Chip Lifetime	Ts=85°C +100.000 hrs L70
LED Driver Lifetime	Tc<72°C +62.000 hrs
Input Voltage	220-240Vac
Frequency	50-60Hz
Power Factor	>0.95
SPD	10kV
Total Harmonik	<%10
Operating Temperature	-20°C / +45°C
Class	I



Optical Specifications

Luminous Flux	5075lm-6850lm- 8520lm
Efficacy	145lm/W - 137lm/W - 142lm/W
Lens	PMMA
Diffuser	Tempered Glass
ULOR	0%
Lighting Class (ME1-ME6)	ME3/ME4/ME5/ME6
CRI	>70
Color Standard	Quarter Bin
Colour Temperature	3000K / 4000K / 6500K



Optionals

DALI	Suitable
Nema7 Socket	Suitable
Zhaga Socket	Suitable
Class I & Class II	Suitable
Marine Painting	Suitable
2 Step Dim	Suitable
1-10V	Suitable
External SPD (10kV)	Suitable





All your lighting needs in one adress.

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