

 **Pelsan**



**ROAD & STREET
LUMINAIRES**

RIO XXS

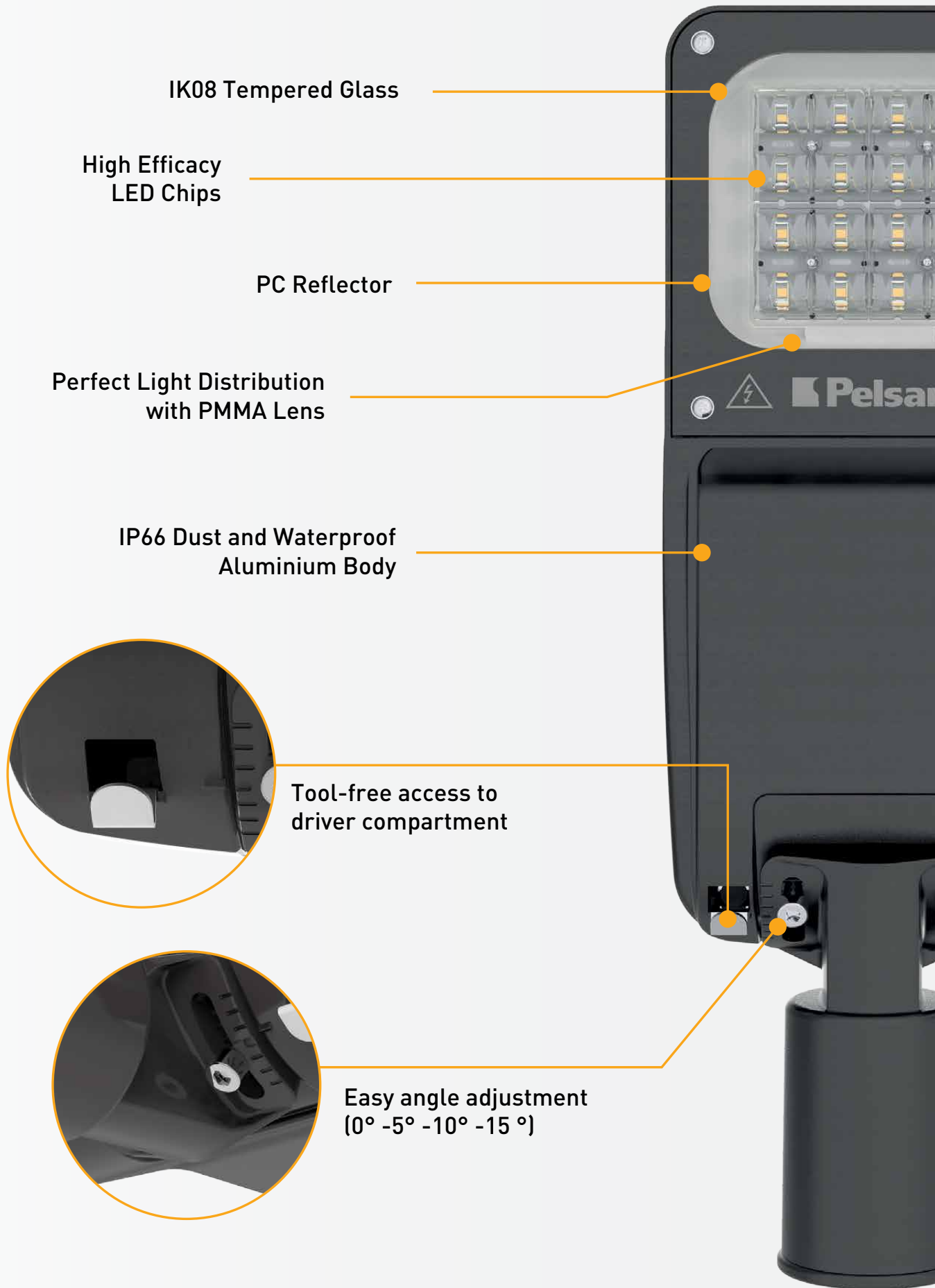
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RIO XXS





- 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

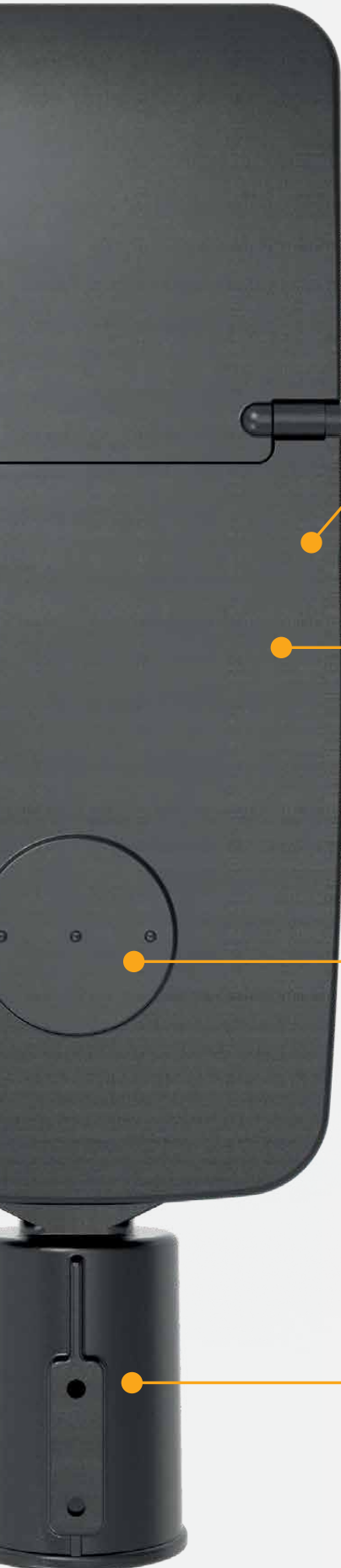
PC Reflector

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

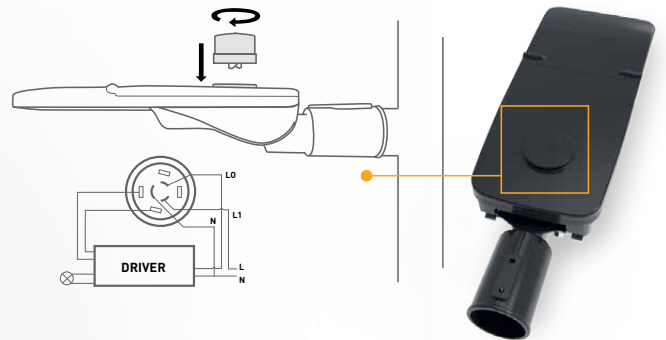
Console Entry
42-60





Nema & Zhaga Socket

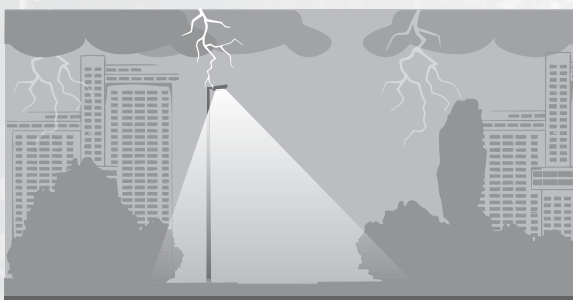
Nema socket is a separate part from the luminaire used to adapt the luminaires to the technology of the future. It easily adapts to new technological developments by changing the socket. Maintenance and installation is easy.



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.

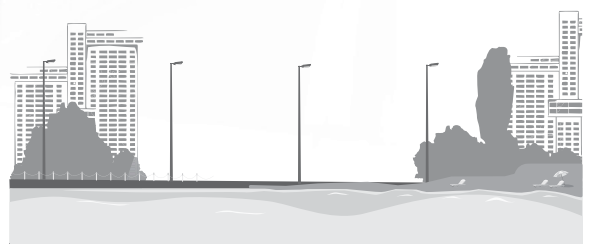


External SPD

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.

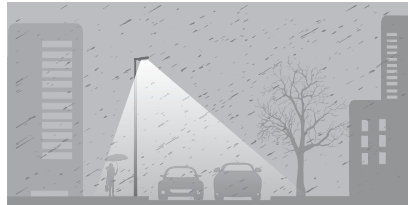
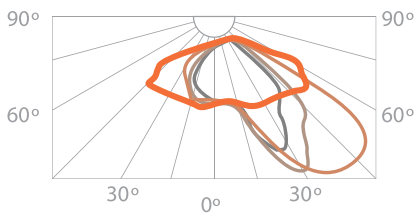


Optical Solutions in Line With Different Fields of Application

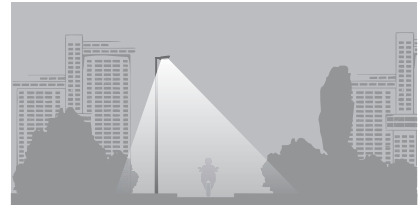
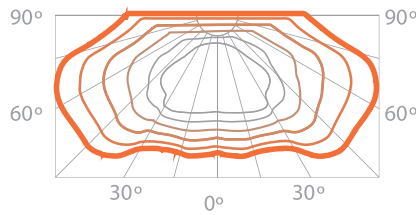
Rio XXS road and street luminaire offers alternative optical solutions in accordance with the specifications of TEDAS and lighting classes in different fields of application



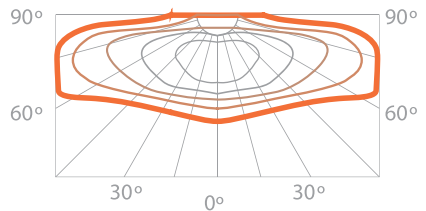
Optical solutions suitable for ME-CE class urban road-street illuminations



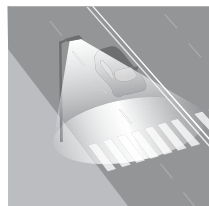
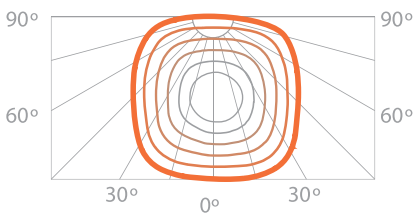
MEW class optical solutions suitable for the lighting of asphalt highways with high luminous reflectivity.



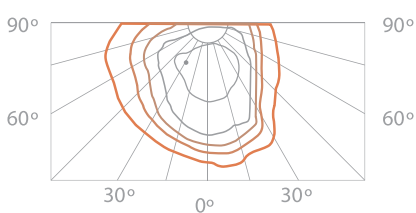
Optical solutions suitable for CE and S class fields of application in cities.



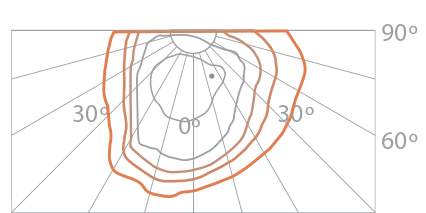
Optical solutions suitable for Square-Environment-General Lighting class



Optical solutions suitable for crosswalk lightings



Optical solutions suitable for crosswalk lightings

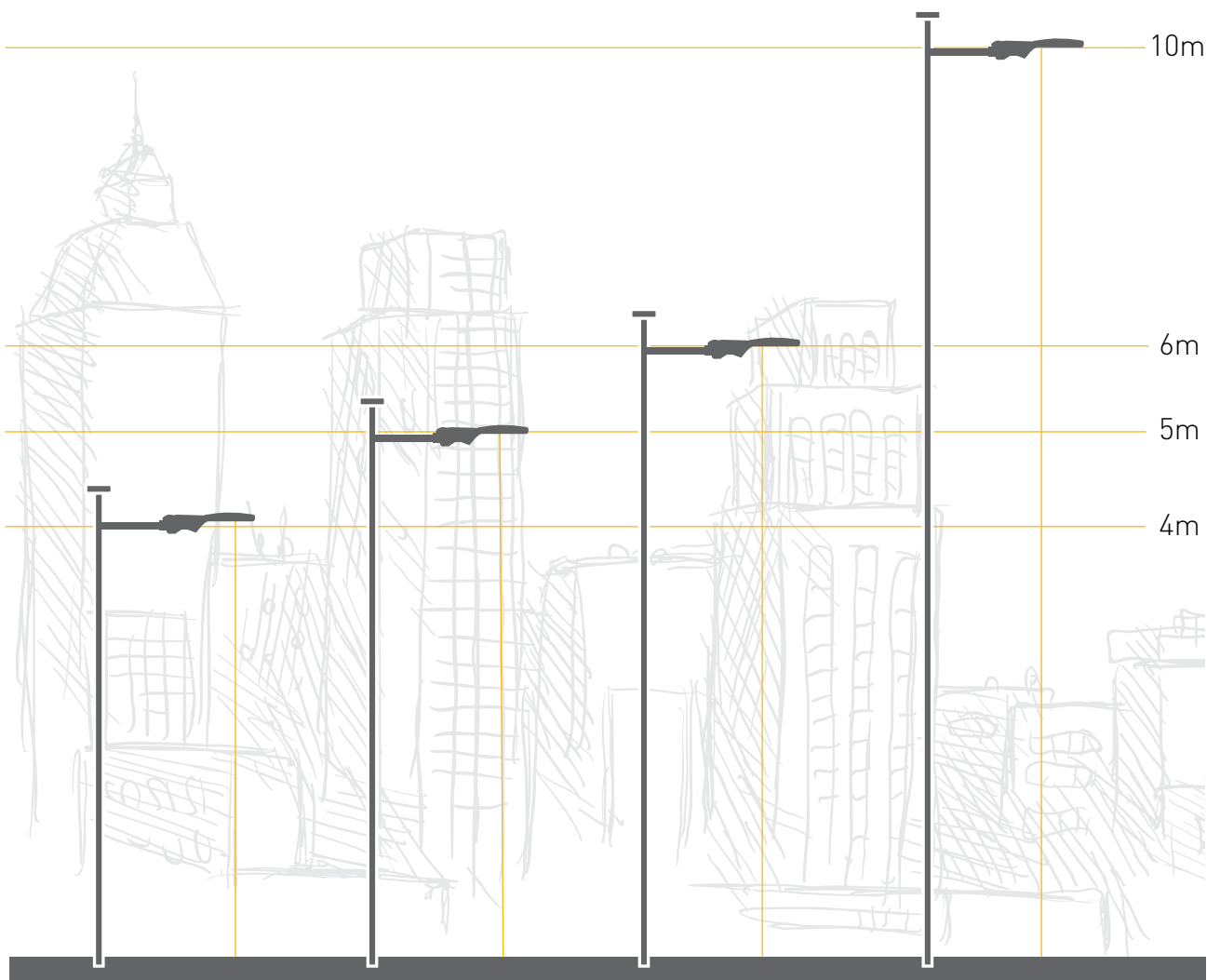


Optional Usage Option According to Different Heights



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 |
| Frenquency | 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 |



Pelsan



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www.pelsan.com.tr

info@pelsan.com.tr | export@pelsan.com.tr

HEAD OFFICE

Çerkeşli O.S.B.
İmes 5. Cadde No:12
Dilovası / Kocaeli - TÜRKİYE



/PelsanAydinlatma



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/pelsanaydinlatma



/PelsanLight

P : +9(0850) 460 75 76

F : +9(0216) 364 60 15