

SYLVANIA ROADLED



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Category V LED Luminaire

The ROADLED is a state-of-the-art road lighting luminaire that has been specifically designed and assessed in Australia for Australian/New Zealand major road lighting applications. The luminaire has been specifically engineered to comply with Australian Standards (Category V) allowing it to replace traditional high wattage High Pressure Sodium and Metal Halide luminaires that are used to illuminate major vehicular roads throughout ANZ.

The ROADLED is compliant to AS/NZS 60598.2.3 and SA/SNZ TS 1158.6 and is available in a range of wattages from 60W to 300W allowing it to be used in a multitude of new and existing road lighting installations.

SCO

IK 06

OPTIC &
CONTROL GEAR

IP 66



AERO

IK 07

CONNECTION
CHAMBER

IP 24



ROADS &
MOTORWAYS



BRIDGES



LARGE
AREAS



RAILWAY
STATIONS &
METROS

MAIN APPLICATIONS

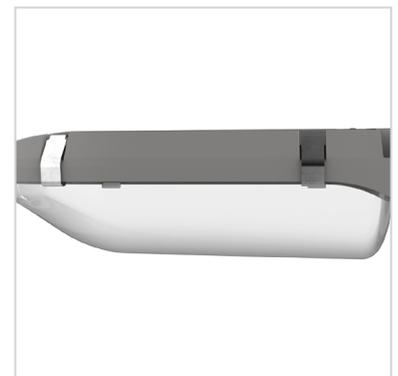
- Roads and motorways
- Bridges
- Large areas
- Railway stations and metros

KEY ADVANTAGES

- High performance roadway luminaire
- Designed specifically to meet Australian/New Zealand Road Lighting Standards, complying with both AS/NZS 60598.2.3 & AS/NZS TS 1158.6
- The optics and LED light source are optimised to provide maximum spacings for compliance with AS1158-1.1 Category V
- Optical chamber sealed to IP66 ingress protection
- IK06 for standard visor, IK07 for aeroscreen visor
- CRI>70
- Ambient temperature 40°C
- 20 year design life
- Available in Colour Temperature of 4000K standard, 3000K
- Options:
 - Polyester powdercoat finish in various RAL and DULUX colours
 - NEMA PE cell
 - Visor options - Aeroscreen and standard
 - Surge Protection Device
 - Fused terminal block available
 - Anti-Glare visors and louvers



Toggle latch for tool-less entry



Self cleaning visor



NEMA 7 pin for IoT



5° Tilt Adjustment Adapter for Spigots. Ensures that correct tilt can be achieved if the original pole outreach angle is incorrect.

SCS is focused on Smart Control technologies, delivering solutions to clients that enable these Smart LED luminaires to become smarter.

The equipped NEMA sockets on the luminaire connects a Smart Light Point Controller/ Node with an easy twist and lock mechanism. The Light Point Controllers enables these luminaires to be connected to a dedicated network and a User-Interface on a computer, which allows these luminaires to be remotely managed.

Key benefits:



Constant Light Output (CLO)

Additional energy savings (over 20%) by using the Constant Light Output (CLO) and Virtual Light Output (VLO) functionality



Dimming schedules

Reducing the amount of light when not required, thereby reducing light glow as well as get further energy savings



Pro-active maintenance

The system reports errors and failures as they occur, helping to repair/ restore the luminaires pro-actively



Smart City devices

Connect additional Smart City devices including Air-quality monitors, Noise sensors, Motion sensors etc



For more information on smart controls contact: info@scs-schreder.com

GENERAL INFORMATION

Recommended installation height	9m to 12.5m 29' to 41'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
RCM Mark	Yes
ROHS compliant	Yes
Dark Sky friendly lighting (IDA certification)	Yes
Testing standard	EMC compliant: AS/NZS CISPR15 Luminaires Performance: AS/NZS 60598.1 & AS/NZS 60598.2.3 Lighting for Roads and Public Spaces: SA/SNZ TS 1158.6

• Meets Dark Sky requirements when fitted with a Aeroscreen visor

HOUSING AND FINISH

Housing	Pressure die cast aluminium body
Optic	Polycarbonate
Protector	Acrylic
Housing finish	Grey polyester powdercoat finish as standard (other colours available on request)
Standard colour(s)	RAL 9006 Any other RAL color on request
Tightness level	IP66 - Optic & Gear Chamber IP24 Connection Chamber
Impact resistance	IK06 for standard visor, IK07 for aeroscreen visor
Access for maintenance	Tool-less

PERFORMANCE

Lumen efficacy	115-130lm/w
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ELECTRICAL INFORMATION

Electrical class	Class 1
Nominal voltage	220V-240V – 50Hz/60Hz
Power factor (at full load)	> 0.9
System wattage	60W-300W
Surge protection options (kV)	10kV
Electromagnetic compatibility (EMC)	AS/NZS CISPR15
Control protocol(s)	DALI or 1-10V
Socket(s)	NEMA 7 pin or Zhaga BOOK 18 4 pin receptacle with 24V control
Sensor(s)	Devices & sensors for smart city applications

OPTICAL INFORMATION

LED colour temperature	3000K, 4000K
Colour rendering index (CRI)	> 70
Upward Light Output Ratio (ULOR)	0%

• Meets IDA Dark Sky requirements when fitted with LEDs of 3000K or less
• ULOR may be different according to configuration. Please contact us for more details.

OPERATING CONDITIONS

Temperature range from operation (Ta)	-10°C up to +40°C
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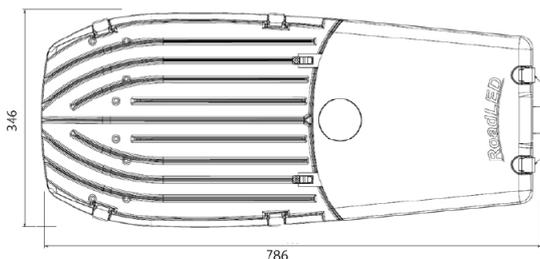
(*) Depending on the configuration of the luminaire. For more details, contact us.

LIFETIME OF THE LEDS @ TQ 40°C

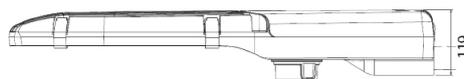
All configurations	88,000h - L95
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DIMENSIONS AND MOUNTING

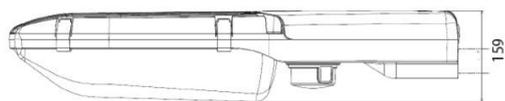
L x W x H (mm)	786 x 346 x 159
Weight (kg)	11.2-13.6
Mounting possibilities	43mm to 48mm spigot entry



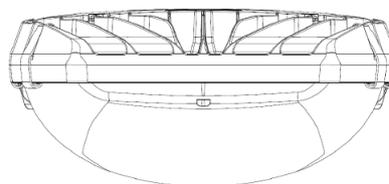
Top View



Side View
[with Aeroscreen (CO) Visor]



Side View
-[with Standard (SCO) Visor]



Front View
[with Standard (SCO) Visor]



Product Code	Name	Mass (Kg)	Beam Dist.	System Power (W)
PL9905L60Z	RDLED 60W 4K 1N1B PEB7 9006	11.2	TYPE 2/3M	56
PL9915L60Z	RDLED 60W 4K 1N1B PEB7 CO 9006	11.2	TYPE 2/3M	60
PL9905L70Z	RDLED 70W 4K 2N1B PEB7 9006	11.2	TYPE 2/3M	70
PL9905L80Z	RDLED 80W 4K 2N1B PEB7 9006	11.2	TYPE 2/3M	80
PL9915L80Z	RDLED 80W 4K 2N1B PEB7 CO 9006	11.2	TYPE 2/3M	80
PL9905L100Z	RDLED 100W 4K 2N1B PEB7 9006	11.2	TYPE 2/3M	100
PL9915L100Z	RDLED 100W 4K 2N1B PEB7 CO 9006	11.2	TYPE 2/3M	100
PL9905L120Z	RDLED 120W 4K 2N1B PEB7 9006	11.2	TYPE 2/3M	120
PL9915L120Z	RDLED 120W 4K 2N1B PEB7 CO 9006	11.2	TYPE 2/3M	120
PL9905L145Z	RDLED 145W 4K 3N1B PEB7 9006	11.8	TYPE 2/3M	145
PL9915L145Z	RDLED 145W 4K 3N1B PEB7 CO 9006	11.8	TYPE 2/3M	145
PL9905L155Z	RDLED 155W 4K 3N1B PEB7 9006	11.8	TYPE 2/3M	155
PL9905L175Z	RDLED 175W 4K 3N1B PEB7 9006	11.8	TYPE 2/3M	175
PL9915L175Z	RDLED 175W 4K 3N1B PEB7 CO 9006	11.8	TYPE 2/3M	175
PL9905L200Z	RDLED 200W 4K 4N1B PEB7 9006	13.6	TYPE 2/3M	200
PL9915L200Z	RDLED 200W 4K 4N1B PEB7 CO 9006	13.6	TYPE 2/3M	200
PL9905L250Z	RDLED 250W 4K 4N1B PEB7 9006	13.6	TYPE 2/3M	250
PL9915L250Z	RDLED 250W 4K 4N1B PEB7 CO 9006	13.6	TYPE 2/3M	250
PL9905L275Z	RDLED 275W 4K 4N1B PEB7 9006	13.6	TYPE 2/3M	275
PL9905L300Z	RDLED 300W 4K 4N1B PEB7 9006	13.6	TYPE 2/3M	300
PL9915L300Z	RDLED 300W 4K 4N1B PEB7 CO 9006	13.6	TYPE 2/3M	300

ACCESSORIES - Spigot Tilt Adjuster

08-14-007-071	5° Tilt Spigot Adjuster
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The above codes are for standard offering only. For additional options, please contact us. 5° Tilt Spigot Adjuster is factory fitted in most instances.

ACCESSORIES - Glare Control Accessories

99032429	RDLED Louvres (2 Modules)
99032428	RDLED Louvres (4 modules)

SPARES - Visors

PL00000	RDLED SCO Visor
PL00002	RDLED CO Visor
PL00000PC	SCO IK10 Visor
PL00002PC	CO IK10 Visor