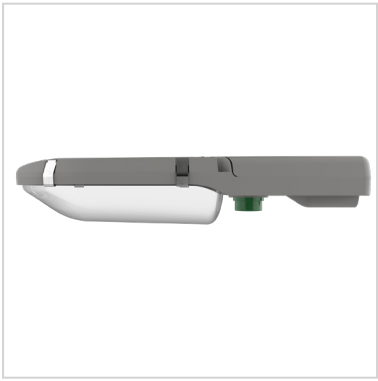
SYLVANIA Schréder
Experts in lightability™

ROAD

SYLVANIA ROADLED HIGH MAST



SYLVANIA

The smart high mast roadlight

The ROADLED HIGH MAST 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.

The ROADLED HIGH MAST is compliant to AS/NZS 60598.2.3 and SA/SNZ TS 1158.6 and is available in a range of wattages from 100W to 300W allowing it to be used in new and existing road lighting installations where mounting is required to be in a high pole top location.

SCO	AERO
IK 06	IK 07
OPTIC & CONTROL GEAR	CONNECTION CHAMBER
IP 66	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 for post mounting
- Designed specifically to meet Australian/New Zealand road lighting standards, complying with both AS/NZS 60598.2.3 & AS/NZS TS 1158.6
- Unique rotated optics ensure the LED source is optimised to provide maximum spacings for compliance with AS1158-1.1 Category V
- Optical chamber sealed to IP66 ingress protection
- Standard Cut off visor and aeroscreen visor options with IK06 standard cut off and IK07 for aeroscreen visor
- CRI>70
- Dark sky friendly
- Ambient temperature 40ºC with 20 year design life
- Available in Colour Temperature of 4000K as standard
- Smart equipped with NEMA 7 pin base

OPTIONS:

- Powdercoat finish in various RAL and DULUX colours
- Surge Protection Device
- Fused terminal block

Toggle latch for tool-less entry

Self cleaning visor

Rotated optics for unique distribution for intersections

5º 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

SCS by Sylvania Schréder

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

GENERAL INFORMATION

Recommended installation height	9m to 15m | 29' to 49'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
RCM Mark	Yes
ROHS compliant	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

HOUSING AND FINISH

Housing	Pressure die cast marine grade 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	125lms/w

ELECTRICAL INFORMATION

Electrical class	Class 1
Nominal voltage	220V-240V – 50Hz/60Hz
Power factor (at full load)	> 0.9
System wattage	100W-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%

OPERATING CONDITIONS

Temperature range from operation (Ta)	-10 °C up to 40°C

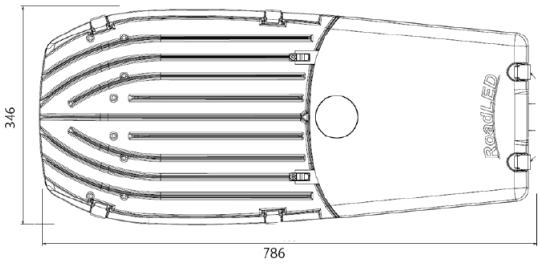
(*) Depending on the configuration of the luminaire. For more details, contact us.

LIFETIME OF THE LEDS @ TQ 40°C

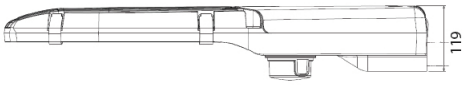
All configurations	88,000h - L95

DIMENSIONS AND MOUNTING

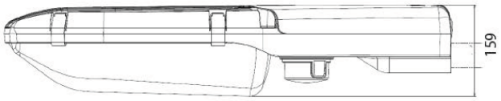
L x W x H (mm)	346 x 786 x 119
Weight (kg)	13.6
Mounting possibilities	43mm to 48mm spigot entry



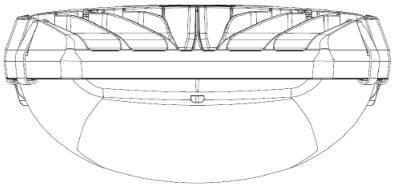
Top View



Side View
[with Aeroscreen (CO) Visor]



Side View
-[with Standard (SCO) Visor]



Front View
[with Standard (SCO) Visor]

Product Code	Name	Beam Dist.	System Power (W)
PLHM99Z06L100	RL HM 100W4K 4N1B PEC7 SCO 9006	TYPE 5	100
PLHM99Z16L100	RL HM 100W4K 4N1B PEC7 CO 9006	TYPE 5	100
PLHM99Z06L175	RL HM 175W4K 4N1B PEC7 SCO 9006	TYPE 5	175
PLHM99Z16L175	RL HM 175W4K 4N1B PEC7 CO 9006	TYPE 5	175
PLHM99Z06L300	RL HM 300W4K 4N1B PEC7 SCO 9006	TYPE 5	300
PLHM99Z16L300	RL HM 300W4K 4N1B PEC7 CO 9006	TYPE 5	300

ACCESSORIES - Spigot Tilt Adjuster	
08-14-007-071	5º Tilt Spigot Adjuster

The above codes are for standard offering only. For additional options, please contact us. 5º 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