Sylvania MACQUARIE

SYLVANIA

Stylish & Effective

The MACQUARIE is an acrylic sphere post top luminaire designed to suit a 76mm outside diameter pole.

The MACQUARIE has been invigorated with state-of-the-art design concepts to provide high quality lighting, substantial reductions in operating costs through reduced energy consumption and fewer maintenance requirements.

The decorative base is made from die cast aluminium providing greater durability than its predecessors.

IP 66   IK 08
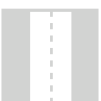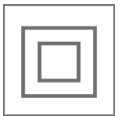
ROADS & MOTORWAYS   URBAN & RESIDENTIAL STREETS   BIKE & PEDESTRIAN PATHS   SQUARES & PEDESTRIAN AREAS   CAR PARKS   LARGE AREAS   RAILWAY STATIONS & METROS

MAIN APPLICATIONS

- Roads and motorways
- Urban and residential streets
- Bike and pedestrian paths
- Squares and pedestrian areas
- Car parks
- Large areas
- Railway stations and metros

KEY ADVANTAGES

- 10 - 45W system watts
- Integral control gear
- Smart City ready
- Designed specifically to meet Australian/New Zealand Road Lighting Standards, complying with both AS/NZS 60598.2.3 & AS/NZS TS 1158.6
- Optical chamber sealed to IP66 ingress protection
- IK 08
- CRI>70
- Ambient temperature -5°C to +40°C
- Available in Colour Temperature of 4000K, 3000K & 2200K
- Options:

  -Polyester powdercoat finish in various colours

  -Post Top entry for 76mm. Optional with an aluminium adaptor for 60mm pole.

Die cast body with unlimited choice of colours

Flexible lens platform providing optimised light distributions with very high efficiency Optional Light Shield for additional cut-off

76mm and 60mm mounting options available.

The total luminaire has an impressive IP 66 with an IK 10 impact rating

GENERAL INFORMATION

Recommended installation height	4m to 7.5m
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	Die-cast aluminium body
Protector	PMMA
Housing finish	Polyester texture finish
Standard colour(s)	Black
	Any other colour on request
Tightness level	IP 66
Impact resistance	IK 08
Access for maintenance	Toolless

PERFORMANCE

Lumen efficacy	120lm/W

ELECTRICAL INFORMATION

Electrical class	Class I / Class II
Nominal voltage	230V - 50Hz
Power factor (at full load)	> 0.9
Surge protection options (kV)	10kV
Electromagnetic compatibility (EMC)	AS/NZS CISPR15
Control protocol(s)	DALI / 1-10V

OPTICAL INFORMATION

LED colour temperature	4000K/3000K
Colour rendering index (CRI)	> 70

OPERATING CONDITIONS

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

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

DIMENSIONS AND MOUNTING

W x H x D (mm)	500 x 500 x 610
Weight (kg)	8
Mounting possibilities	Post Top Entry: Standard for 76mm. Optional with an aluminium adaptor for 60mm pole.
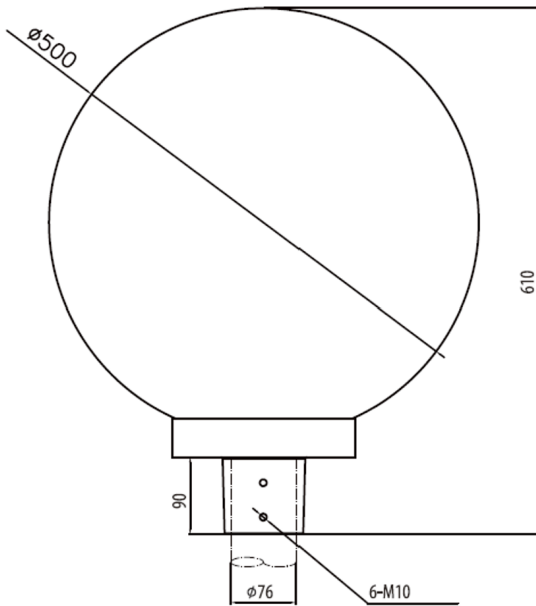
MACQUARIE

LED Quantity	Current (mA)	Power Consumption (W)	Nomnal Initial Flux (lm)	
			WW	**NW**
8	350	10	1130	1180
	530	15	1625	1705
	700	20	2075	2170
12	350	15	1690	1770
	530	21	2440	2550
	700	29	3110	3255
16	350	19	2250	2355
	530	28	3235	3385
	700	37	4090	4285
20	350	23	2800	2925
	530	35	4030	4220
	700	45	5145	5380

LED Quantity (Opal Diffuser)	Current (mA)	Power Consumption (W)	Nomnal Initial Flux (lm)
32	700	70	5250
44	750	100	7500

Tolerance on LED flux is ±7% and on total luminaire power ±5%

SPECIFICATIONS:

STANDARD CONFIGURATION:

• Mounting	Post Top 76mm
• LED Colour Temperature	4000K
• Electrical	Class I
• Control	Dimming / 1-10V
• Colour	Black
• Mounting Bracket Arm	None

OPTIONS:

• Mounting	Post Top 60mm
• LED Colour Temperature	3000K
• Electical	Class II
	Complete with 3-core (Class I) or 2-core (Class II) 450/750
	2.5mm2 flexible cable, 8 meters long
• Control	Dimming/ DALI
• Colour	Any RAL colour and finish on request
• Mounting Bracket Arm	Optional