

Product Features

The Sydney range of fittings are contemporary road luminaires that couple the function of a performance luminaire optic with the decorative nature required for today's amenity lighting. The low profile dished glazing provides a minimum of upward light and reduces any obtrusive light spill. The durable cast aluminium body provides strength and smooth bodylines. The acrylic opal skirt gives a stylish appearance during the day and an illuminated feature after dark, giving this luminaire its distinctive appeal. By applying a range of differing lamp types and colour temperatures the effects can be tailored to suit the environment.

Features

All three sizes of the Sydney luminaire are IP65, this being dust and water tight, with a durable full gasket that is set into the rim casting. Fitted with acrylic dished glazing to improve the luminaire's performance. The cast aluminium body provides superior strength and with the four stud fixings for the bracket plate, ensures that there is no rotation of the fitting. All the lanterns are side mounted and a range of decorative brackets are available. The luminaires are re-lamped by lowering the glazing and skirt assembly.

Control Gear

The class 1 gear can be accessed once the hinged glazing is lowered by releasing two quarter turn captive catches to drop the hinged optic tray to reveal the gear. The gear tray is provided with a plug and socket for easy removal and replacement.

These lanterns can accommodate a full range of discharge lamps to encompass mounting heights from 5m – 10m, so covering most applications. Please refer to the table overleaf for lamp and luminaire details.



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Options

Mounting Options

The Sydney range of luminaires have been designed with an angled back plate to the body; this improves the aesthetics of the luminaire and comes complete with four studs and a gland entry for the cable. Side mounted bracketry is provided with a square flange to suit the appropriate lantern size studs for secure fixing.

Variations

Photocell

Single and two part electronic photocells including part night cells are available as standard and should be factory fitted to maintain the ingress protection integrity.

Finish variations

This luminaire comes in the Ral 9006 aluminium white, as standard, other colours are available but may be subject to quantity, and prices may differ.

Luminaire construction

Cast aluminium body with a recess for the sealing gasket and robust hinges provided for the glazing. The four stud fixings for the bracket provides superior strength.

Materials

Lantern

Cast aluminium one-piece body, provided with stainless steel hinges and two quarter turn captive fittings, to release the glazing profile; this ensures that the units are easy to maintain, providing tool less access for re-lamping and gear access.

Glazing

The clear acrylic dished glazing is bonded to the opalescent acrylic skirt providing a rigid unit that is secured by two quarter turn captive release knobs, that hinge down from the back of the glazing profile providing open access for maintenance.

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Typical Specification

Sydney **IP65 Medium** Lantern: cast aluminium body construction. Glazing, dished clear acrylic with an opalescent decorative skirt bonded together, which is secured into the luminaire body by two captive quarter turn fastenings. The luminaire is **360 mm wide, 260 mm in height and 770 mm in length**. the fitting is provided with a glanded entry at the back of the luminaire for the cable entry. The bracket is secured by the means of four studs set at **84 mm x 120 mm** centres. The lantern is fitted with the **large road lighting** optic with integral gear, for a **150w HPS lamp**. The lampholder is positioned for a tubular lamp in a horizontal position: Lamp not supplied.

A **one-piece electronic photocell** is fitted in the tent canopy and is factory sealed to ensure the IP65 rating is not compromised. Manufactured from cast aluminium with stainless steel or aluminium fixtures and fittings. The lantern is painted in **aluminium white RAL9006** as standard, polyester powder coating to ensure a durable gloss finish is achieved.

Please note that items highlighted in bold can be changed using the options available.

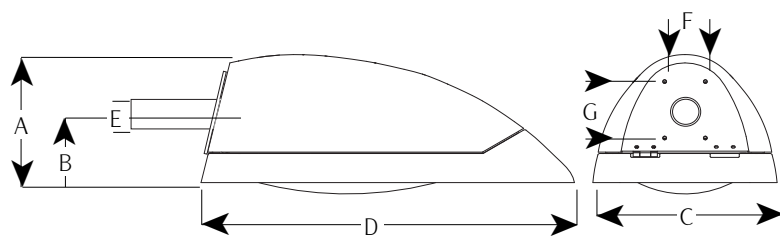
Applications

The Sunderland Market project utilised nineteen 8m columns. This was a complete design combining a special embellished column, bracket assembly and luminaires to provide the required illuminance levels and a decorative aesthetic solution. The Sydney lantern has a white illuminated skirt that provides an illuminated effect when lit. The wide areas behind the columns, the central roadway and the Christmas decoration requirements dictated the column positions to achieve the required levels. The columns were fitted with linear double arm column brackets, with small triangular gussets and special central finials, manufactured to the clients design. Complete with two Sydney lanterns fitted to the special end plates, the lanterns were fitted with 250 watt metal halide control gear and lamps, with electronic photo cells. The top of the luminaires were fitted with special anti bird landing wire, to keep the units clean.

The levels for the area were to achieve illumination of Eave 100lux, Emin 50lux and a resulting 50% uniformity. The columns had special Sunderland Crested embellishments fitted, the column size is 219/198/168 galvanised, fitted with banner arms and special fixings for the Christmas decorations. The columns were finished in black, and the luminaires bodies were painted aluminium silver RAL9006.



Options



DIMENSIONS	SMALL	MEDIUM	LARGE	BOXED
A Lantern Height	235mm	260mm	323mm	290mm
B Lamp Height	80mm	85mm	90mm	
C Diameter/Width	339mm	360mm	429mm	395mm
D Length	566mm	770mm	1096mm	790mm
E Side Entry	42mm	42mm	42mm	
F Flange Hole Centres	85mm	84mm	84mm	
G Flange Hole Centres	110mm	120mm	120mm	
Windage Area	0.23m ²	TBA	0.19m ²	
Weight	9.4kg	12.7kg	14.7kg	14kg



Blue



Green



Red



Yellow

It is important to note Cosmopolis lamp options will be fitted with electronic gear due to space within the luminaire canopy.

WATTAGES & LAMP TYPES	57W	60W	70W	80W	85W	90W	100W	125W	140W	150W	250W	400W
HPS			✓✓✓				✓✓✓			✓✓	✓✓	✓
HQI/CDMTT			✓✓✓				✓✓✓			✓✓	✓✓	✓
Cosmopolis		✓✓✓					✓✓✓		✓✓✓			
PLT	✓✓✓	✓✓✓			✓✓✓							
MBF				✓✓✓				✓✓✓				

GLAZING	
Acrylic with Opalescent skirt	✓✓✓

OPTICS	
Large Road Lighting	✓✓✓
Cycle Optic	✓✓✓

KEY: ✓ Small ✓ Medium ✓ Large