



Product Features

This modern luminaire has a die cast aluminium body with a sloped profile to offer an abstract design for contemporary applications. The luminaire has an IP rating of IP65 for the optic housing and gear enclosure. The flat glass glazing prevents light pollution which also reduces sky glow. The glazing is secured to the body of the luminaire by a quarter turn captured screw. The two securing screws at the front of the luminaire, when released, reveal the gear enclosure.

This fitting with its ability to house the gear in a separate compartment allows for the option of electronic control gear that runs at a lower temperature.

Features

The Sharkon luminaire has a body made from die cast LM6 aluminium with a steel frame for the flat glass glazing. The front of the luminaire hinges up to allow access to the gear compartment for maintenance. The unit is direct post fitted obviating the need for a bracket. The glazing is released by a single quarter turn captured screw thus providing easy access for relamping. The standard optic supplied is the large road light which is mounted on a removable tray.

The Sharkon is supplied, as standard, as a direct post fixing but multiple units can be applied with the addition of a bracket that allows double and quadruple units for higher mounting heights when lighting car parks and other open amenity areas.

Control Gear

All gear is class I wired and a full range of discharge gear can be fitted within the gear enclosure, which is mounted onto a gear tray for easy removal and maintenance. The lamp feed is supplied through a plug and socket arrangement. Photocells are fitted into the top of the gearbox, and an external drop down flex connector is supplied, for the multi post-top mounted version, for ease of termination.

Options

Mounting Options

The Sharkon fitting is designed to be a direct post mounted luminaire with a post top entry of 89mm, which allows mounting heights from 4m to 6m to be accommodated. Larger diameter columns with swaged tops can also be utilised for 8 to 10m mounting heights; if required a bracket can also be added to give luminaire projection and multiple options.

Variations

Photocells

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

Finish variations

The luminaire is supplied with a Ral 9006 Silver gear box and glazing tray, with the front enclosure finished in Blue Ral 5002. Other colours are available but may be subject to quantity, and prices may differ.

Luminaire construction

Cast aluminium body with recesses for sealing gaskets and robust cast hinges built into the luminaire.

Materials

Luminaire

Cast aluminium front and back section with a plate top to the gear enclosure, all are sealed. Flat glass encapsulated into a steel glazing frame.

Glazing

The Sharkon is fitted with flat glass, this is secured into a hinged tray to ensure ingress protection is maintained. It is released by a quarter turn screw to allow the glazing to hinge down for lamp access and cleaning.



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Typical Specification

The Sharkon IP65 direct post luminaire has a cast aluminium body construction, fitted with flat glass glazing which is secured in a hinged tray painted **silver RAL 9006** and is secured to the luminaire body by a quarter turn captive screw. The front part of the luminaire is painted **blue RAL 5002**, this is released by two securing screws and then hinges up to allow access to the gear compartment which is painted **silver RAL 9006**. The luminaire measures 940mm in length by 287mm in width and is 195mm in height. The fitting is supplied with gaskets and glands to ensure that the ingress rating is maintained. It is supplied with a **large road optic** and a **140w Cosmopolis T** electronic gear package with a **Cosmopolis** lampholder, positioned for a horizontal tubular clear lamp: Lamp not supplied. A **part night photocell** is fitted to the top of the gearbox enclosure and is factory sealed to ensure the ingress protection of the fitting is not compromised. The luminaire is constructed from die cast aluminium with all fixtures and fittings being galvanised or stainless steel.

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

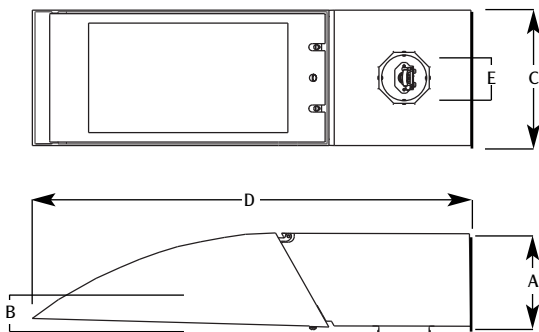
Applications

The picture shows the application of the Sharkon units to light the Rangers football-training centre in Glasgow. To achieve the lighting standards a combination of single post top luminaires mounted at 6m for the perimeter have been used with clusters of four units, at a higher mounting height of 8m, for the central area ensuring that the minimum number of columns have been used within the car park area. The central quadruple units have been secured to the 139mm diameter pole by means of a column bracket with four arms anchored by a down spigot to allow adjustment and security of the fittings.

The Sharkon fitting with its low profile and flat glass offers superior light output minimising sky glow and light pollution. Having the ability to group these fittings, using the purpose designed bracketry, improves area lighting, uniformities and reduces obstructions in open areas as fewer columns are used. Having hinged down glazing for relamping and hinged access to the gear compartment ensures that the unit is easy to maintain from conventional access equipment.



Options



Electronic gear will be used for the Cosmopolis lamp options due to space within the integral gear enclosure.

DIMENSIONS	SHARKON	BOXED
A Lantern Height	196mm	300mm
B Lamp Height	65mm	
C Diameter/Width	287mm	350mm
D Length	940mm	1000mm
E Standard Entry	89mm	
Windage	0.16m ²	0.10m ³
Weight	19kg	23kg

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

OPTICS	
Large Road Lighting Optic	✓
E27 Lamp Holder only	✓
E40 Lamp Holder only	✓

GLAZING	
Glass Panels	✓

KEY: ✓ Medium