

ORION LED
AL4500 Series
IP66



The new LED variation of our market leading conventional Orion. Available in square / symmetrical and asymmetrical beam options. Ideal for car park and amenity locations.

Benefits

- Asymmetrical beam distribution ideal for boundary mounting location to reduce spill and wasted light
- Symmetrical beam distribution ideal for wide column spacings whilst maintaining light uniformity

Technical features

- Available in symmetrical and asymmetrical beam distributions
- Acrylic bowl and white polyester powder coated acrylic top canopy as standard
- 3mm thick aluminium LED mounting plate
- Die cast aluminium top cap heat sink
- Die cast aluminium spigot
- LEDs are covered by lenses with an outer bowl on the main fitting
- Harvard CLH150-1000S2A-305-B drivers
- Cree XPL LEDs
- L70 Hrs >60
- L80 Hrs >60
- Colour rendering 77 (Ra)
- Less than 1% upward light output ratio
- Colour temperature 4000K as standard
- Drivers located remotely
- Weight 18.2kg
- Windage 0.178m²

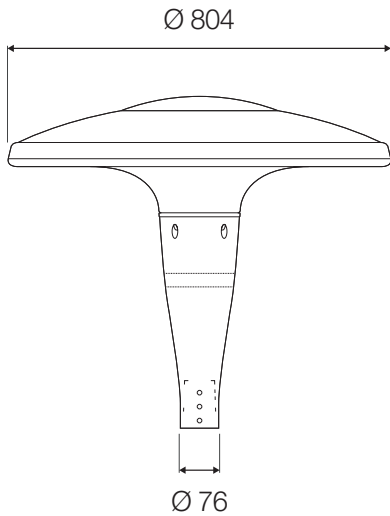
Applications

- Car park
- Amenity

Colour

- White canopy

Dimensions (mm)



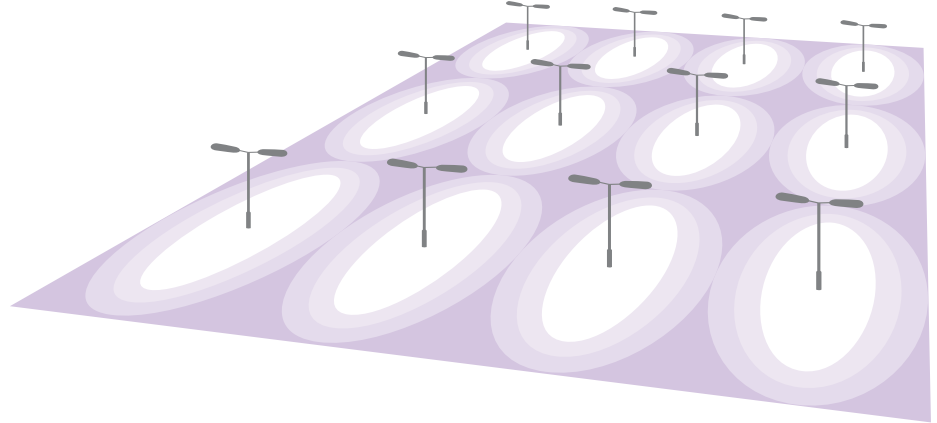
Code	Wattage (W)	Symmetric / Asymmetric	No. of LED Modules	Lumen Output (lm)	Power Factor	Luminous Efficacy (lm/W)	Running Current (mA)	No. of Drivers*
AL4501	298.1	Symmetric	8	32985	0.994	111	1000	2
AL4502	223.6	Asymmetric	6	25236	0.994	111	1000	2
AL4503	150.14	Symmetric	4	16492	0.993	111	1000	1
AL4504	112.63	Asymmetric	3	12618	0.993	111	1000	1
AL4505	223.6	Asymmetric	6	25236	0.994	111	700	1

* Drivers: Harvard CLH150-1000S2A-305-B

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Orion LED distribution

Using back-to-back road lanterns mounted at 8m to achieve 25lux average, total energy consumption is 6,000 Watts



Fitting	Number of Columns	Number of Luminaires	Mounting Height	Average Lux Level	Uniformity	Total Energy Consumption	Power Density
Road lantern	12	24	8m	25.47	0.33	6000W	0.600W/m ² /25lux
Orion LED	9	9	8m	25.19	0.26	2682W	0.268W/m ² /25lux

Using Orion LED mounted at 8m achieving 25 lux average, total energy consumption drops to 2,682 Watts

