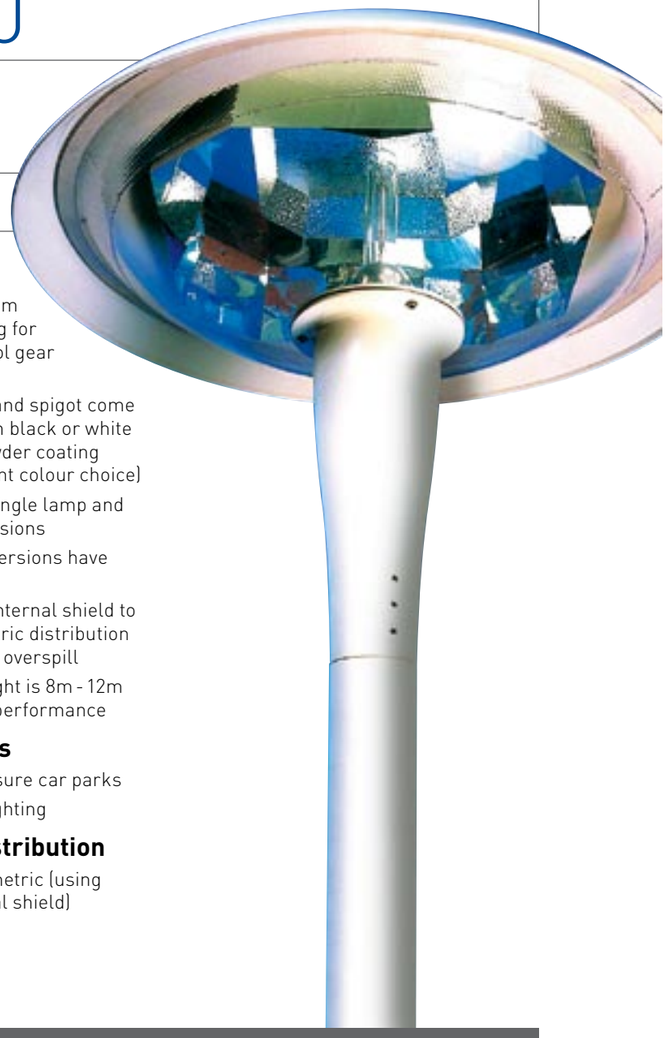
CAR PARK & AMENITY LIGHTING

ORION AL4000

OPTIMUM REFLECTOR SYSTEM | ULOR <1% | LOW LIGHT POLLUTION | VANDAL RESISTANT 1 | IP65

Optimum Reflector System Patent No. 1151226



Benefits

- A great solution for large areas requiring even light distribution
- You'll need fewer lighting points, thanks to the efficiency and uniformity of square illuminance distribution combined with a twin 400W lamp capacity
- Fewer lighting points mean you save on installation and maintenance costs – there'll be less cable, gear, lamp replacement, power consumption and waste
- Provide low light pollution <1% ULOR, so they're dark skies friendly
- Twin lamp facility offers half output and security during off-peak hours

Features

- High performance Optimum Reflector System is highly polished and anodised aluminium, producing a square illuminance distribution at ground level
- UV stabilised clear polycarbonate bowl with a decorative outer edge in a diamond pattern
- Canopy in spun aluminium with a removable top cap for easy lamp access
- Cast aluminium spigot housing for 1 set of control gear (400W max)
- Both canopy and spigot come as standard in black or white polyester powder coating (option of client colour choice)
- Available in single lamp and twin lamp versions
- Single lamp versions have integral gear
- Option of an internal shield to give asymmetric distribution and eliminate overspill
- Mounting height is 8m - 12m for optimum performance

Applications

- Retail and leisure car parks
- Large area lighting

Lighting distribution

Square. Asymmetric (using optional internal shield)

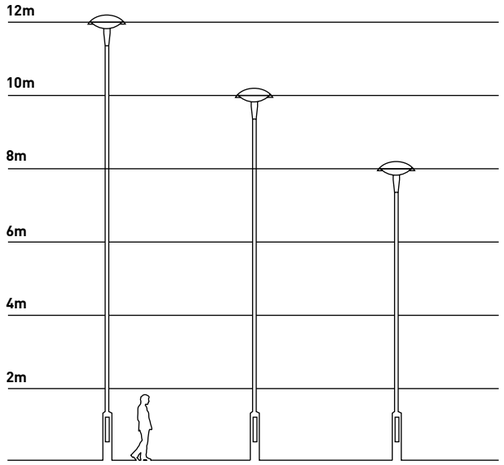
Colour options

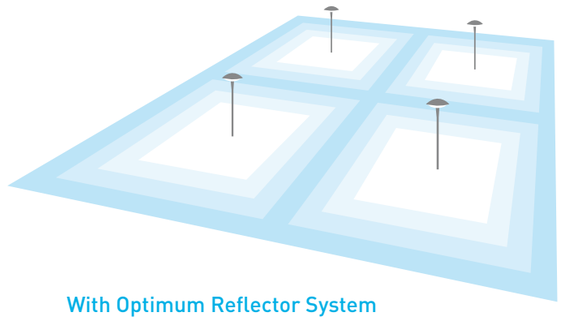
	Lamp wattage and type	Lamp holder	Description	Weight (Kg)	Windage (m^2)
AL4001	1 x 150/250/400W SONP-T 1 x 250/400/450W HQI-T	E40	Square distribution; integral gear	24.3	0.286
AL4002	1 x 150/250/400W SONP-T 1 x 250/400/450W HQI-T	E40	Asymmetric distribution; integral gear	25.8	0.286
AL4003	2 x 150/250/400W SONP-T 2 x 250/400W HQI-T	E40	Square distribution; control gear (1 integral, 1 loose)	24.8	0.286
AL4004	2 x 150/250/400W SONP-T 2 x 250/400W HQI-T	E40	Asymmetric distribution; control gear (1 integral, 1 loose)	26.3	0.286
AL4005	1 x 150/250/400/600W SONP-T 1 x 250/400/450W HQI-T	E40	Square distribution; remote control gear	19.8	0.286
AL4006	1 x 150/250/400/600W SONP-T 1 x 250/400/450W HQI-T	E40	Asymmetric distribution; remote control gear	21.3	0.286
AL4007	2 x 150/250/400W SONP-T 2 x 250/400W HQI-T	E40	Square distribution; remote control gear	20.3	0.286
AL4008	2 x 150/250/400W SONP-T 2 x 250/400W HQI-T	E40	Asymmetric distribution; remote control gear	21.8	0.286

Column options

Choose between fixed and base hinged

	12m	10m	8m
Fixed	TB12.AM1	TB10.AM1	TB08.AM1
Base	T127RLH.AM1	T107RLH.AM1	T088RLH.AM1





With Optimum Reflector System

Please see page 7 for further information.

Spotlight on Orion

PROJECT:

A flagship store on the outskirts of Manchester, Denton Morrisons' glass domed atrium is a regional icon. Maximum lantern spacing was required to allow the building façade to be viewed from outside the store boundary.

LOCATION:

Denton, England

PRODUCTS:

Orion AL4001, AL4004 and AM5009

BENEFITS:

Morrisons were able to use fewer lighting posts thanks to Orion's high levels of performance and control of overspill. This, in turn, reduces running costs, infrastructure and maintenance. The result is a safe environment for customers that keeps light pollution to a minimum.

RESULTS:

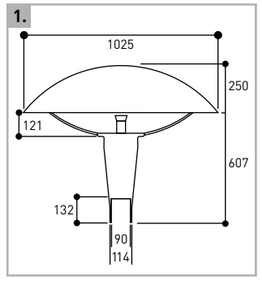
"We use Abacus Lighting for the following reasons; they are one of the market leaders in external lighting, product quality, they have a wide range of luminaries which are suitable for most applications, they provide an excellent design and quotation service and can normally produce a design and quotation within 3 or 4 days, and they deliver their product within the time scales they quote."

Paul Barrett, Design & Estimating Manager
Pitts Wilson Electrical Limited



Key features

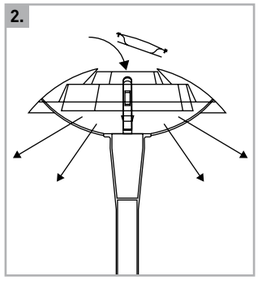
1.



Dimensions & Mounting
Direct spigot entry onto 89mm diameter column shafts

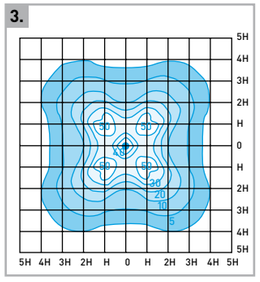
Mounting height: 8m – 12m

2.



Maintenance
Removable top cap for lamp access via ¼ turn fasteners

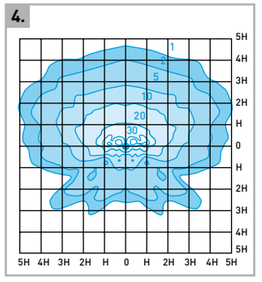
3.



Square distribution
Lamp 2 x 400W SONP-T

Mounting height 10m

4.



Asymmetric distribution
Lamp 400W SONP-T

Mounting height 10m