

P655 Luminaire

A slimline side entry high-powered lantern with variable optic reflector. Suitable for motorways and major roads where a high degree of lighting is needed. The reflector unit can be rotated within the lantern, so a ring of luminaires can project their light in one or many directions.

FEATURES

- Low-drag aerodynamic body made of GRP and aluminium, to enable lighter masts or more luminaires to be used.
- Progressive toe-in pot-optic reflector (design copyright), adjustable between 20 and 40 degrees toe-in in 5 degree increments.
- Orientation adjustable reflector unit, to enable the spacial light distribution to be adjusted in relationship to the luminaire's position.
- High temperature resistant toughened flat glass, for 0% upward light.
- IP66 sealed lamp compartment with FILTERSEAL system and IP54 sealed gear compartment.
- Integral control gear up to 400w and up to 600w SON-T with remote gear.

OPTIONS AND EXTRAS

- NEMA socket/photocell or miniature photocell option.

Recommended Applications: High masts, airports, industrial areas, major roads, motorways, railways.

Suggested Column: 8-15m, on side entry bracket.

Wind area: 0.12m²

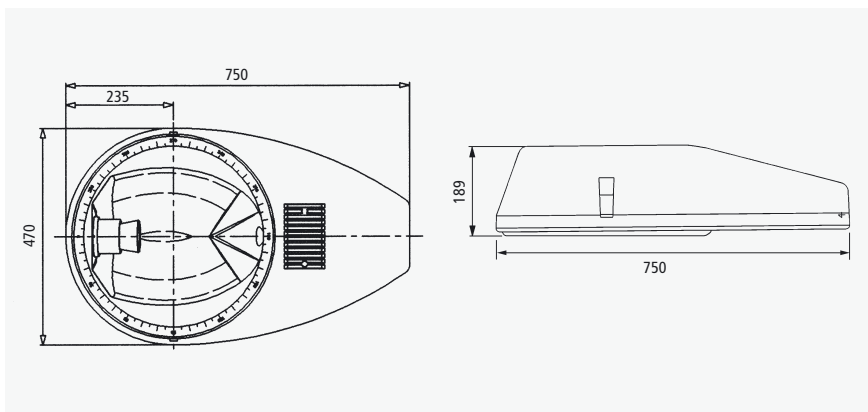
Spigot: 42mm x 100mm

IP66 Optic

IP54 Gear



P655



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Description	Product Number	Weight
Luminaire Reference	P655	10.6 kg
Side Entry spigot	SE	-
250w SON/T control gear	250SONT	3.9 kg
250w MBI/T control gear	250MBIT	3.9 kg
400w SON/T control gear	400SONT	5.3 kg
400w MBI/T control gear	400MBIT	5.3 kg
Options		
NEMA photocell socket	NEMA	-
Miniature 1 part photocell	MINI	-
Special colour RAL number	RAL	-

UNIQUE PHOTOMETRIC DESIGN

The reflector system in the P655 is unique. It is optimised for road lighting at high mounting heights using a 400w SON/PT lamp. By varying the lamp position toe-in angles of between 20 and 40 degrees can be achieved. The reflector is also orientation adjustable so that the spacial distribution of light can be altered without changing the position of the luminaire. This is particularly useful in complex junctions.

FILTERSEALED FOR LIFE

A FILTERSEALED lantern is one which is sealed to IP65 or above and also incorporates an activated charcoal filter. The special granules of activated charcoal have many thousands of tiny pores. One gram of these tiny particles has an internal surface area as great as two tennis courts. As air passes through the carbon it acts as a highly efficient filter trapping even microscopic traces of contaminants.

The FILTERSEALING has many advantages some of which are:-

1. High performance due to an absence of deterioration to components within the luminaire.
2. The reflector and the inside of the bowl need not be cleaned thus minimising maintenance costs.
3. As the only deterioration in performance is from lamp ageing and pollution on the outside of the fitting, higher maintenance factors may be used than with many other luminaires.

The real advantage of a FILTERSEALED luminaire over a sealed unit becomes apparent on analysis of the effect of a leak, even one the size of a pin hole. The effect of such a leak due to the expansion and contraction of air as the fitting heats up and cools down. The FILTERSEALED luminaire will breathe in and out the same volume of air but the activated charcoal filter provides a low resistance flow path which the air will follow and thus be cleaned.

