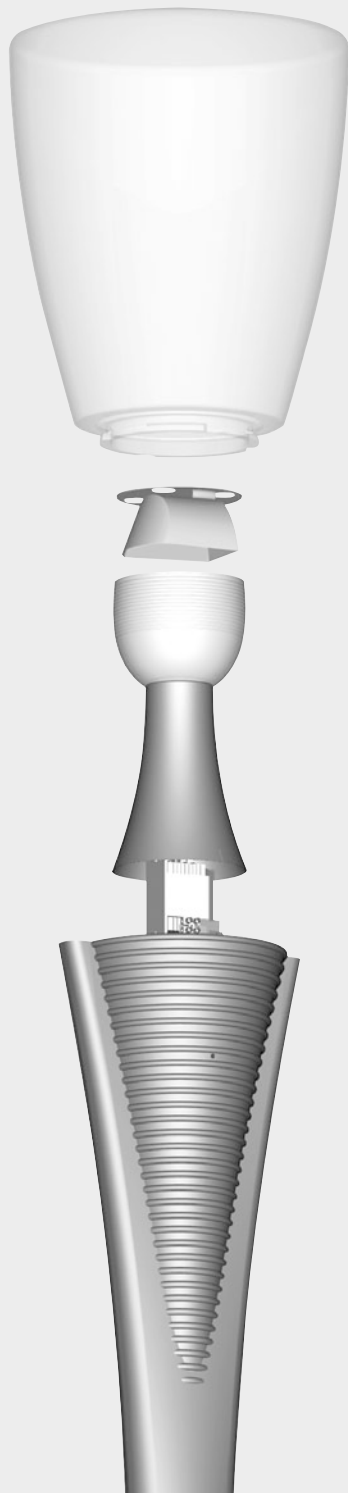


Direct Dialog



Application

Amenity lighting for urban roadways, pedestrian areas, squares and parks.

Description

The direct Dialog luminaire comprises an extruded aluminium pole, a cast aluminium shaft housing the base, optical system and diffuser. The top shaft slots into the pole and is then welded. The luminaire diffuser is made of high shock resistant methacrylate. The luminaire is equipped with an adjustable, asymmetric optic in the clear diffuser model.

Mounting and installation

Flange plate fixing centres 200 x 200 mm
4 anchor bolts T16 / M14 x 300

Maintenance

Opening and closing

This is achieved by rotating the diffuser one quarter turn. A watertight neoprene gasket is located between the base housed in the top shaft and diffuser.

Access to lamp and control gear

Direct access via opening the diffuser. The electrical control gear is accessible after opening the optical system. It is mounted on a gear tray fixed to the base of the luminaire.

Mechanical and technical characteristics

IP rating (luminaire): IP 66

Class I

Class II on request

Impact resistance: IK 10

Finish

Pole and top shaft: polyester powder coating.

Sand finish according to Futura colour chart (Akzo Nobel).

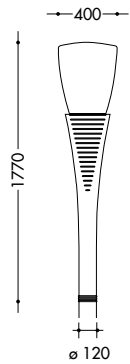
Methacrylate diffuser: clear finish (C) or opal finish (O).

Nomenclature of luminaires

Dialog – Direct lighting – Diffuser finish – Optic – Wattage and lamp type – Electrical class

Example: DIA – DIR – C – RAO – 150 W MH – CI I

Dimensions



Sources

DIRECT DIALOG

Lamp type	Opal diffuser		RAO	
	Wattage	lamp holder	Wattage	lamp holder
High Pressure Sodium clear tubular	70 W	E27		
	100 W	E40		
High Pressure Sodium diffuse elliptical	70 W	E27		
	100 W	E40		
Metal Halide clear tubular with ceramic burner	70 W	E27	70 W	G12
			150 W*	G12
Metal Halide clear or diffuse elliptical	70 W	E27		
	100 W	E27		
Mercury Vapour diffuse elliptical	80 W	E27		
	125 W	E27		

* Remote control gear in class II

Photometrics

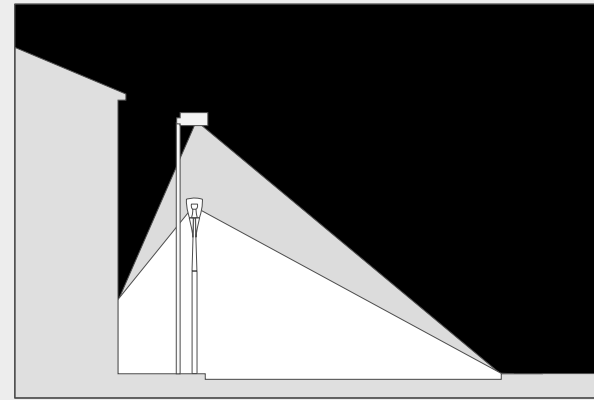
RAO: adjustable, asymmetrical reflector

This optic offers road lighting at lamp heights of 4m to 4.5m. Light distribution both crossways and lengthways has been optimised so as to offer a decorative lighting system that is also highly efficient and comfortable. The RAO optic can light roads of 7m in width with a lamp spacing of 16 m.

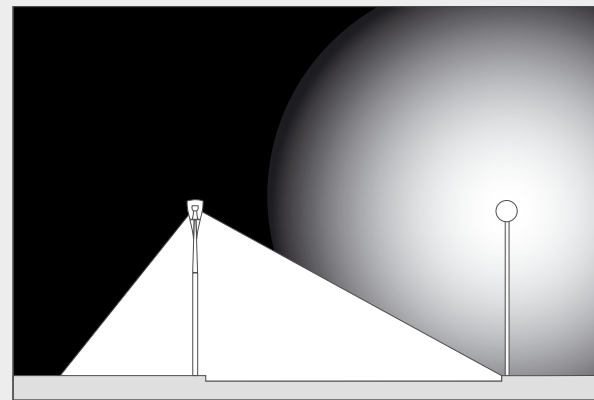
$$w/h = 1,5$$

$$s/h = 3,5$$

(s represents the space between supports, h is the lamp height while w represents road width).



RAO, figure 1: reduction of mounting height compared to a standard system

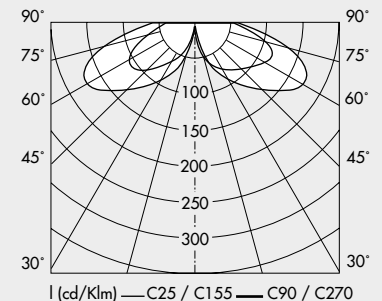
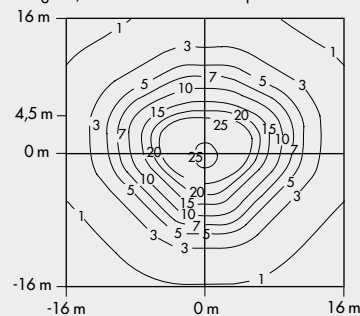


RAO, figure2: greater width of lighting for the same mounting height.

Polar curves and illuminance contours measured in Lux for a luminaire at 0° elevation.

DIA - DIR - C - RAO

Height 4,5 m - 150 W CDMT lamp - 14000 lumens



DIA - DIR - O

Height 4 m - 100 W HPS tubular lamp - 10000 lumens

