



POLAR®

HIGH BAY LUMINAIRES

RANGE

Polar® luminaires are suitable for use with a wide range of energy saving HID lamps including 150W/250W/400W HPS, 250W/400W MBI and 250W/400W MBF lamps.

APPLICATIONS

Polar® is the answer when large areas need to be illuminated from heights exceeding 5 meters i.e. DIY-furniture warehouses, storage, factories, mills, foundries, processing plants, aircraft hangars, bus depots, steelworks, indoor sport arenas etc.

CONSTRUCTION

The gear compartment is formed of heavy gauge zinc coated sheet of steel. Access to the control gear is via two wide openings covered by thermo resistant and high impact resistant polycarbonate doors which remain hinged to the body when they are open. Control gear is mounted on a "plug in" gear tray which is easily removable during the installation of the luminaire or during maintenance. The adjustable lampholder, enables optimum positioning of the lamp within the diffuser, thus permitting a wide range of distribution patterns. You may choose between an aluminium diffuser or a polycarbonate refractor. The high purity anodized aluminium reflector has a top vent which induces a convective self cleaning effect which minimizes dirt build up on the inside surface of the reflector. The polycarbonate diffuser is the ultimate vandal proof.

ELECTRICAL

Control gear is rated 230V or 240V 50Hz as standard. HPS and MBI circuits are fitted with superimposed pulse electronic ignitors as standard, minimizing the possibility of ballast failure in prolonged operation with a failed lamp inserted. A three pole terminal block for mains connection is provided. High temperature silicon insulated conductors are used throughout.

MECHANICAL

A suspension hook located on the top of the gear housing for vertical attachment is supplied. A grommeted entry hole is also provided.

ACCESSORIES

Wire guard: a steel wire guard attached to the glass can be used to protect the lamp from impact damage.

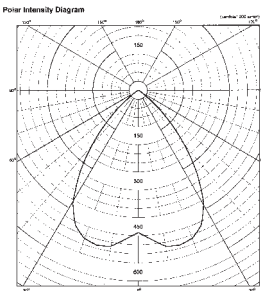
Tempered glass: the manufacturer of some multi-vapour lamps recommend that a tempered glass cover be fitted to protect against fragments should a lamp fracture. This glass can be used for the aluminium diffuser.

Anti black-out lamp sensor: an electronic sensor detects a failed or extinguished lamp due to mains interruption induced restrike delay. An integral auxiliary lamp is switched on to provide safety illumination. When the main lamp is on, the auxiliary is automatically switched off.

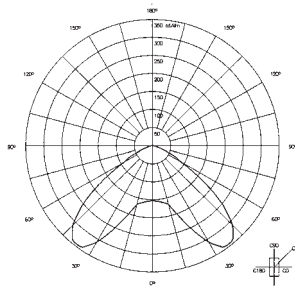
Drop Dish Prismatic Lens: the drop dish can be used to soften and disburse light thus minimizing glare and maximizing visual comfort. Note that this accessory must be used only with Polar® faceted reflector and elliptical lamp.

SPECIFICATION

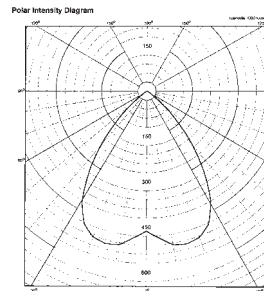
Designed in accordance with the following Standards: CEI 34-21 and EN60598-1.



250 W MBF
SMOOTH ALUMINIUM

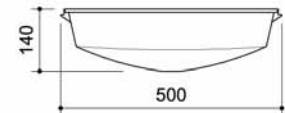
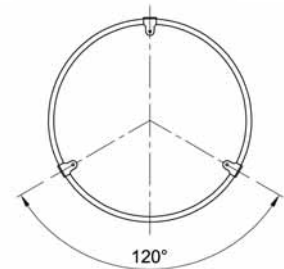
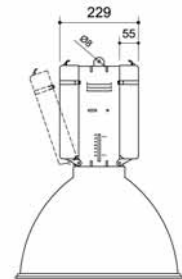
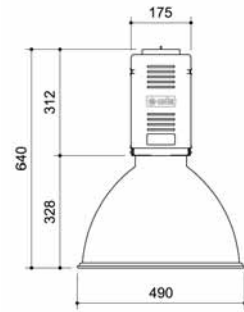


400W HPS-E
FACETTED ALUMINIUM



400 W HPS-E
SMOOTH ALUMINIUM

LAMP COMPARTMENT
IP 20
LAMP COMPARTMENT
with item NX 5001
IP 55
ELECTRIC COMPARTMENT
IP 20



ORDERING DATA

CODE N°			LAMP	LAMP HOLDER	WEIGHT KG	
ALUM. SMOOTH	ALUM. FACETTED	POLYCARBONATE			ALUM.	PC
NX 5025	NX 5028	NX 5027	EMPTY	E40	4,20	5,80
NX 5032	NX 5035	NX 5034	150W HPS	E40	7,30	8,90
NX 5042	NX 5045	NX 5044	250W HPS	E40	8,10	9,70
NX 5062	NX 5065	NX 5064	400W HPS	E40	9,70	11,30
NX 5051	NX 5055	NX 5054	250W MBI	E40	7,90	9,50
NX 5086	NX 5075	NX 5074	400W MBI 4,20A	E40	10,10	11,70
NX 5052	NX 5109	NX 5108	400W MBI 3,40A	E40	10,10	11,70
NX 5072	NX 5085	NX 5084	250W MBF	E40	7,40	9,00
NX 5082	NX 5095	NX 5094	400W MBF	E40	8,30	9,90
	NX 5001		TEMPERED GLASS		2,20	
	NX 5003		PC DROP DISH		1,70	
	NX 5002		WIRE GUARD		1,30	



POLAR

HIGH-BAY / LOW BAY LUMINAIRES