

ZONE 2, ZONE 21, 22 HAZARDOUS AREAS



Permit No.
2061/3631



SANS/IEC 60079-15

Permit No.
2061/3630



SANS/IEC 61241-1-1

Control gear housing in GRP Suspension hooks carry the weight of the luminaire.

Die cast aluminium lampholder assembly.

4 mm thick armour plate glass with polycarbonate shield spun into the polished reflector.

Applications: Food industry, Tissue Production.

Explosion Protection

NHDP/Ex n Ex nAR IIC T4 Ta -20°C to

40°C NHDP/Ex tD Ex tD A21, 22 Ta = T4

Ingress Protection: IP66

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Control Gear Box: DMC glass fibre reinforced polyester, compression moulded in two sections. Urethane coated for extra corrosion protection in chemical atmospheres. Gasket: Silicone gasket for long life, and chemical resistance.

Control Gear Tray: A galvanised control gear tray, mounted into the top of the control gear housing, which carries the weight of the control gear.

Control Gear: Options are High Pressure Sodium; Metal Halide, and Mercury. The choke is not encapsulated, allowing for easy replacement.

Ignitor: A timed ignitor with cut out, prevents continuous striking when the lamp becomes faulty. Requires switching after a lamp change. **Construction:** The die cast aluminium lampholder casting is mounted on the lower half of the control gear housing which opens to allow access to the Ex n terminal block rated

4 mm². The control gear tray is mounted into

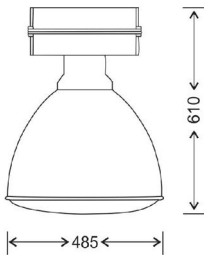
the lid via the suspension inserts. The suspension means carries the weight of the control gear. The housing is just an enclosure, rated IP66. **Reflector:** A 4 mm thick tempered armour plate glass with protective polycarbonate dome is spun into the bright anodised aluminium reflector. Gasketing ensures the IP66 rating.

Lamps: The reflector is designed for optimum efficiency using elliptical lamps with E40 thread. **Lamp holder:** The E40 lamp holder has an anti-vibration device to prevent the lamp becoming loose.

Mounting: Blind M6 inserts in the lid section, take either suspension hooks which are supplied, or a flat mounting bracket for ceiling mounting.

Gland: Supplied with a compression gland as standard. Armoured cable, requires a special gland to be confirmed with order, as an extra.

For temperature classifications, refer to Table 1 in the Technical Section of the catalogue.



Catalogue Numbers Zone 2	Wattage (W)	Line Current		Circuit Power (W)	Mass (kg)	Catalogue Numbers Zone 21, 22
		Starting (A)	Running (A)			
NHDP 250 W HPS/Ex n	250 W	2.10	1.42	280 W	12.0	NHDP 250 W HPS/Ex tD
NHDP 400 W HPS/Ex n	400 W	3.80	2.20	440 W	12.5	NHDP 400 W HPS/Ex tD
NHDP 250 W MH/Ex n	250 W	3.00	1.50	275 W	12.0	NHDP 250 W/MH/Ex tD
NHDP 400 W MH/Ex n	400 W	3.80	2.40	430 W	12.5	NHDP 400 W MH/Ex tD
NHDP 250 W MV/Ex n	250 W	2.60	1.35	275 W	11.0	NHDP 250 W MV/Ex tD
NHDP 400 W MV/Ex n	400 W	4.20	2.10	430 W	12.0	NHDP 400 W MV/Ex tD