

ECLIPSE II

Ex n WELL-GLASS

The Eclipse II is a well-glass luminaire suitable for high pressure discharge lamps of up to 400W.

It has a painted lightweight corrosion resistant cast aluminium body and heat resistant glass construction with stainless steel fasteners. It has been tested to IP65 and is suitable for use in harsh environments. The protection is Ex nA R, incorporating a restricted breathing lamp chamber and a non-sparking control gear and terminal housing.

This design removes the need for special cable or cable glands. The lamp glass has a screwed thread for quick access. The control gear housing hinges on the mounting and termination cover and is held in position by a single screw barrel nut. The single screw barrel nut permits easy access and closure of the luminaire during installation and should maintenance be required.

There is a range of wall, surface and stanchion mountings which may be integrated into the design. An enclosed reflector for Highbay applications is also available. A range of external reflectors is available to direct light efficiently to where it is required.



Standard Specification

Features

Type of Protection	Ex nA nR(Non Sparking Restricted Breathing)
ATEX Classification	Group II Category 3G
Area Classification	Zone 2 areas to EN 60079-10 with installation to EN 60079-14
Apparatus Standard	EN 60079-15
Certificate	EC Type Examination Certificate Baseefa04ATEX0393X
Coding	Ⓔ II 3 G EEx nA R II (refer to table for T class and Ambient)
Enclosure	Painted aluminium body with glass lens. Silicone rubber gasket. Single stainless steel barrel nut fastener.
Entry	Up to 4 x M20 cable entries
Termination	3 core 6mm ² max. With looping.
Installation	Ceiling mounting
Lampholder	E27 or E40
Lamp Type	HPS, Metal halide or Mercury vapour.
Control Gear	Internal copper/iron ballast with ignitor and PFC correction capacitors.
Relamping	Access via restricted breathing lamp chamber
Burning Position	Up to 25° off vertical
Ingress Protection	IP66 to EN 60529
Electrical Supply	220, 230, 240V 50Hz (50, 80, 100 & 125W) 220, 230, 240, 254V 50Hz (70, 150, 250 & 400W)

Easy access for wiring and control gear

Unrestricted breathing gear enclosure removes the need for special glands or cable

Corrosion resistant

High, medium and low bay lighting

Excellent light distribution

Suitable for a wide range of ambient temperatures from -45°C to +55°C, dependant on lamp type and wattage

GOST Approved

IEC Ex Compliant

Applications

Harsh and low temperature environments

Gantry and walkway lighting

Petrochemical and Pharmaceutical installations

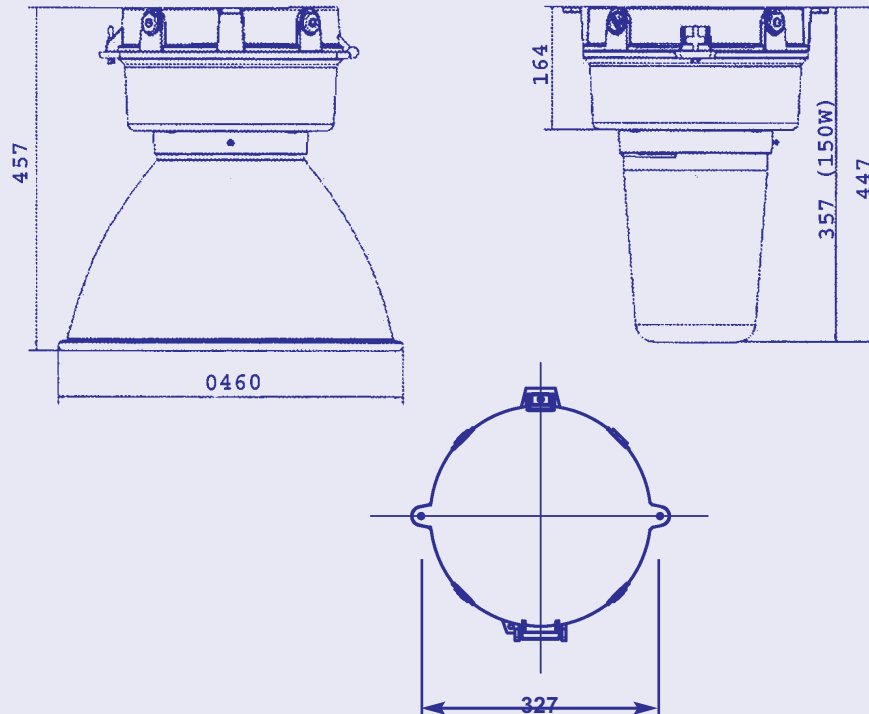
Stairwells

ATEX CATEGORY 3 ZONE 2 & 22 APPLICATIONS

Std. Cat No.	Wattage	Lamp	Lampholder	T Class	Ambient °C	Weight
EC2N/050/HS	50W	HPS	E27	T4	55	7.5kg
EC2N/070/MS	70W	HPS/Metal Halide	E27	T4	55	8.0kg
EC2N/100/HS	100W	HPS	E40	T4	55	9.0kg
EC2N/150/MS	150W	HPS/Metal Halide	E40	T4	55	11.0kg
EC2N/250/MS	250W	HPS/Metal Halide	E40	T4	50	15.0kg
EC2N/400/MS	400W	HPS/Metal Halide	E40	T3	45	15.5kg
EC2N/080/MV	80W	Mercury Vapour	E27	T3	45	7.5kg
EC2N/125/MV	125W	Mercury Vapour	E27	T3	45	8.0kg
EC2N/250/MV	250W	Mercury Vapour	E40	T3	40	15.0kg
EC2N/400/MV	400W	Mercury Vapour	E40	T3	35	15.5kg

Options - Suffix to Catalogue No.

/60	60Hz	TI	Timed cut out ignitor
/WM	Wall mounted version	/D	Zone 22 Dust applications
/ST	Stanchion mounted version	/ER	Sealed spun reflector
/PE	Pendant mounted version		



Accessories (Should be ordered separately)

	Catalogue Order Code
Wire guard for low wattage glass globe (Up to 150W)	E0850-0042
Wire guard for high wattage glass globe (250W/400W)	E0850-0044
Wire guard for enclosed reflector	E0850-0043
Dome reflector	HEC20-0001
30 degree angled reflector	HEC20-0002

Product design and specifications are subject to change without notice, please check the Chalmers website for latest specifications.

