ECLIPSE II

1

First secure the chosen mounting base to the desired wall, ceiling, pole or bulkhead. Mains cables can now be easily terminated into the base using the required cable glands to maintain the IP sealing.

2

Once the base is secure, hang the main body via the hook on the base. This will remain suspended leaving your hands free to complete the connections to the terminal block.

3

The main body can now be swung into place and secured using a screwdriver or nut driver. The terminal chamber is now sealed.

The Eclipse II incorporates unique features designed to make installation and maintenance quicker and easier. The lamp chamber utilises the restricted breathing Ex nR concept and lamp access is by means of the screwed cover glass, whilst the control gear area is separated from the lamp chamber by a barrier and is non sparking Ex nA, meaning that no special cable glands are required.

The luminaire makes use of the Swing-Barrel Nut System. This allows users to easily install the mounting base first and complete the mains wiring without the need to support the body and lamps during installation. This simple design saves on both time and labour costs during installation and maintenance activities. The Swing-Barrel Nut System can be tightened with an ordinary screwdriver or nut driver without the need for special tools.

The main body of the Eclipse II also features a built in external attachment point, this allows the luminaire to be secured using a secondary safety cable.

4

Now safely screw the appropriate lamp into the body.

5

Finally attach the unique threaded lamp glass and turn until a secure seal is achieved.

The Eclipse II with external reflector

The Eclipse II with glass refractor

The Eclipse II wellglass has been designed to make installation quick and simple. The lamp and gear chambers are separated for easy maintenance and require no special cable glands.

The luminaire also features a swing barrel nut system. This allows prior installation and wiring of the mounting base without the need to support the body and lamps. This unique design saves on both time and labour costs.

Standard Specification

Type of Protection	Ex nA nR(Non Sparking Restricted Breathing)
ATEX Classification	Group II Category 3 G
Area Classification	Zone 2 areas to EN 60079-10-1 and EN 60079-10-1 with installation to EN 60079-14
Certificate	Type Examination Certificate Baseefa04ATEX0393X
Coding	⟨Ex⟩ II 3 G Ex nA R II Refer to table for T class and Ambient
Enclosure	Painted aluminium body with glass globe. Silicone rubber gasket. Single stainless steel barrel nut fastener.
Entry	Up to 4 x M20 cable entries
Termination	3 core 6mm² max. With looping.
Lamp Type	Ceiling mounting
Windage	0.107m" (up to 150W Glass) 0.134m" (> 150W Glass) 0.210m" (Enclosed Reflector)
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)

Features

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

Option available for Zone 22 combustable dust environments

International Approvals

ATEX and GOST

IECEx Compliant

Std. Cat No.	Wattage	Lamp	Lampholder	TClass	T°C (Dust)	Ambient °C	Weight
EC2N/050/HS	50W	HPS	E27	T4	110	-45 to +55	7.5kg
EC2N/070/MS	70W	HPS/Metal Halide	E27	T4	110	-45 to +55	8.0kg
EC2N/100/HS	100W	HPS	E40	T4	110	-45 to +55	9.0kg
EC2N/150/MS	150W	HPS/Metal Halide	E40	T4	110	-45 to +55	11.0kg
EC2N/250/MS	250W	HPS/Metal Halide	E40	T4	130	-45 to +50	15.0kg
EC2N/400/MS	400W	HPS/Metal Halide	E40	T3	160	-45 to +45	15.5kg
EC2N/080/MV	80W	Mercury Vapour	E27	T3	135	-20 to +45	7.5kg
EC2N/125/MV	125W	Mercury Vapour	E27	T3	135	-20 to +45	8.0kg
EC2N/250/MV	250W	Mercury Vapour	E40	T3	135	-20 to +40	15.0kg
EC2N/400/MV	400W	Mercury Vapour	E40	T3	180	-20 to +35	15.5kg

Options – Suffix to Catalogue No.

/60	60Hz	/ER	Sealed spun reflector
/M25	M25 cable entries	/R	Prismatic glass refractor (Up to 150W)
/WM	Wall mounted version*	/IEC	Supplied with IECEx Certification label
/ST	Stanchion mounted version*	/TI	Timed cut out ignitor
/PE	Pendant mounted version*	/D	Zone 22 dust applications

* See pages 94 and 95 for details

Accessories Should be ordered separately   Catalogue Order Code
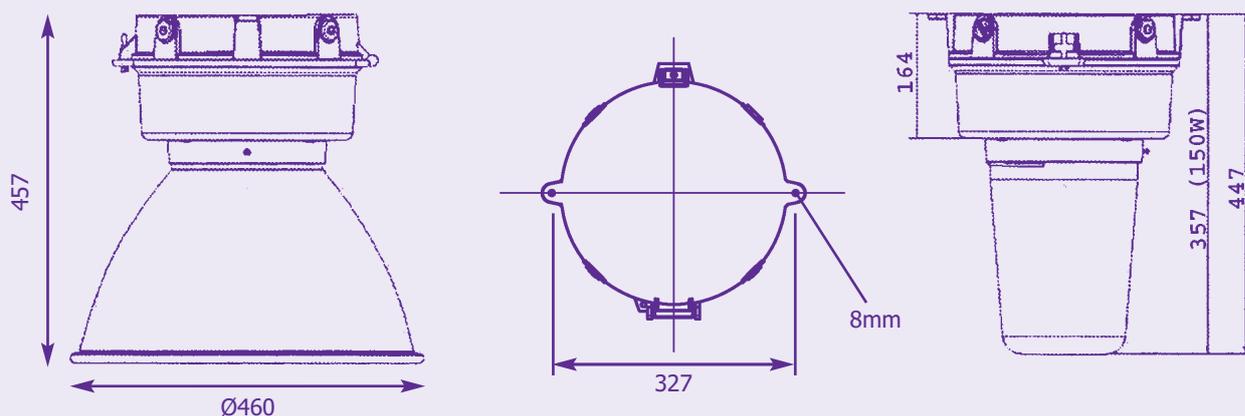
Accessories	Catalogue Order Code
Wire guard for low wattage glass globe (up to 150W)	E0850-0042
Wire guard for high wattage glass globe (250W/400W)	E0850-0044
Wire guard for enclosed reflector	E0850-0043
Dome reflector	HEC20-0001
30° angled reflector	HEC20-0002

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

ECLIPSE JUNIOR Ex n WELL-GLASS

The Eclipse Junior with external reflector

The Eclipse Junior with wire guard

The Eclipse Junior is a compact wellglass that incorporates the low maintenance features of the Eclipse II. Its low profile design and range of mounting options, offers an all round lighting solution in areas of limited space.

The junior is available with a range up lamp types up to 150W and is suitable for use at low temperatures (-45°C).

Standard Specification

Type of Protection	Ex nA nR (Non-sparking, Restricted Breathing)
ATEX Classification	Group II Category 3 G
Area Classification	Zone 2 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	Type Examination Certificate BAS04ATEX0393X
Coding	⟨Ex⟩ II 3 G Ex nAR II
	Refer to table for T class and Ambient
Enclosure	Painted aluminium body with glass globe. Silicone rubber gasket. Stainless steel fasteners
Entry	2 x M20 cable entries
Termination	3 core 6mm² max. conductor with looping
Installation	Ceiling mounting
Windage	0.066m²
Control Gear	Internal copper/iron ballast with ignitor and PFC correction capacitor
Relamping	Access via sealed lamp chamber
Burning Position	Up to 25° off vertical
Ingress Protection	IP66 to EN 60529
Electrical Supply	220, 230, 240, 254V 50Hz - 70 & 80W (HID)
	220, 230, 240V 50Hz - 50, 100 & 125W (HID)
	240V 50Hz - CF, 250Vmax. 150W GLS

Features

Compact size and low weight

Easy access for wiring and control gear

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

Corrosion resistant

Excellent light distribution

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

Option available for Zone 22 combustable dust environments

International Approvals

ATEX, GOST and CEPEL

Std. Cat No.	Wattage	Lamp	Lampholder	TClass	T°C (Dust)	Ambient °C	Weight
ECJN/050/HS	50W	HPS	E27	T4	130	-45 to +50	5.5kg
ECJN/070/MS	70W	HPS/Metal Halide	E27	T4	130	-45 to +50	6.0kg
ECJN/080/MV	80W	MBFU	E27	T3	135	-20 to +50	6.0kg
ECJN/125/MV	125W	MBFU	E27	T3	140	-20 to +40	6.5kg
ECJN/113/CF	1x13W	CFL	G24q	T4	130	-20 to +50	5.0kg
ECJN/118/CF	1x18W	CFL	G24q	T4	130	-20 to +50	5.0kg
ECJN/126/CF	1x26W	CFL	G24q	T4	130	-20 to +50	5.0kg
ECJN/150/GL	150W	GLS	E27	T4	100	-45 to +55	5.0kg

Options – Suffix to Catalogue No.

/___	Specific voltage (220,230,254)	/PE	Pendant mounted version
/60	60Hz	/NC	No capacitors
/WM	Wall mounted version	/D	Zone 22 dust applications
/ST	Stanchion mounted version		

LID

BODY

GLOBE

310

ECLIPSE JUNIOR STANDARD LUMINAIRE
C/W GLASS GLOBE

4-OFF M20x1.5p
ENTRY POSITIONS.
(ANY UNUSED
ENTRY PLUGGED)

245 (∅7 FIXING CENTRES)
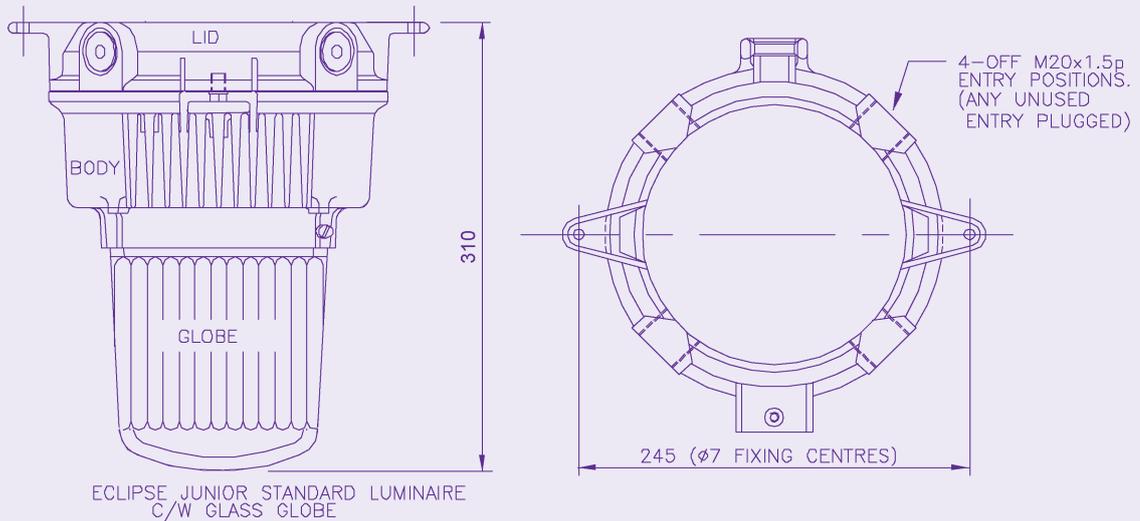
Accessories Should be ordered separately   Catalogue Order Code

Wire guard (can be used in conjunction with reflectors)	E0850-00048
Dome reflector	SECL0-0001
30° Angled reflector	SECL0-0002

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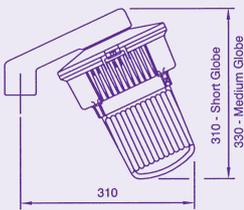
JUNIOR

Stanchion mounting arrangement
To suit pole threaded 1¼ NPT

310 - Short Globe
330 - Medium Globe

310

245   2 Holes Ø9

290

430
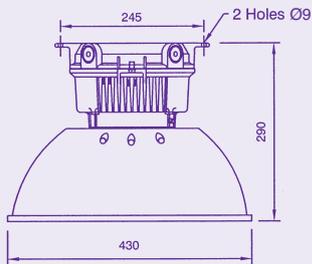
Eclipse Junior c/w glass globe
& full reflector

245   2 Holes Ø9

415

372
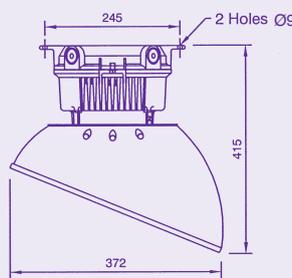
Eclipse Junior c/w glass globe
& 30° angled reflector

383.0

154.5

9.5
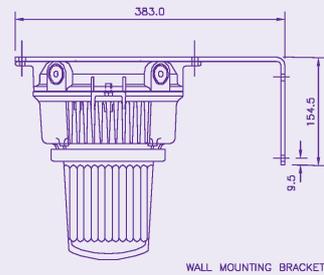
WALL MOUNTING BRACKET

ECLIPSE II

268

374

Angle reflector

140

428

Dome reflector

457

0460

Sealed spun reflector

188

352

352
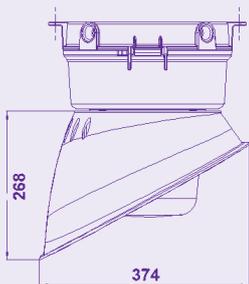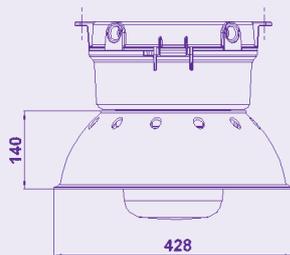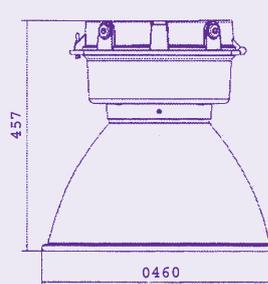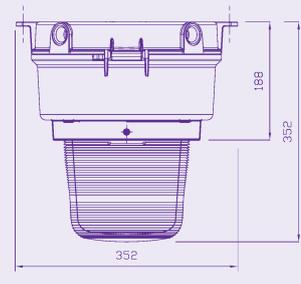
Prismatic glass refractor

ECLIPSE II MOUNTING ACCESSORIES

CEILING and FLUSH MOUNTING

WALL MOUNTING

146

127

146
127
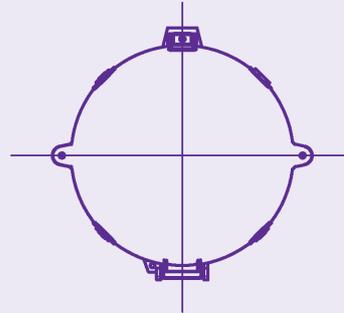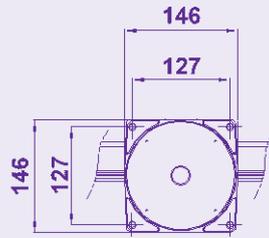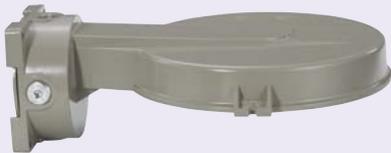
4 x MOUNTING HOLES SUITABLE FOR M6 SCREWS

430

279

73

36

STANCHION MOUNTING

25

72
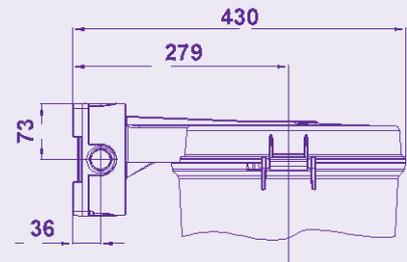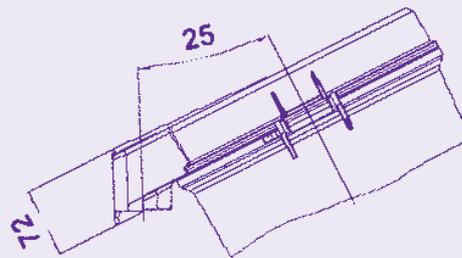
TO SUIT POLE DIAMETER 70mm (1½" NPT threaded pipe (I/D 44mm max)

PENDANT MOUNTING