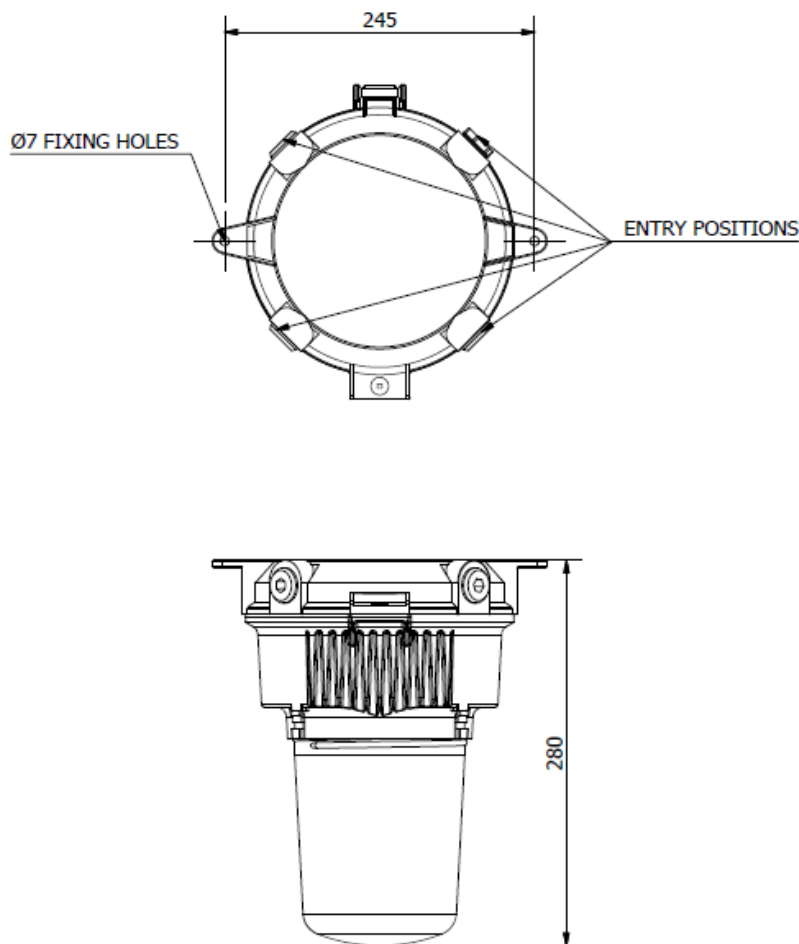



INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

Eclipse Junior LED- Wellglass Luminaires

Industrial

Important: Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

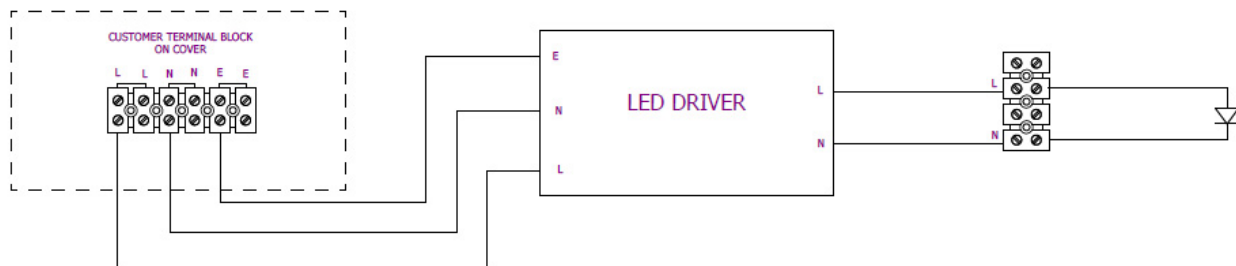


0.0 Specification	
Type of Protection	N/A
Standards	EN 60598-1
Area Classification	Industrial, (Non- Hazardous)
Ambient	-40°C to +55°C
Ingress Protection	IP66 to EN 60529
	<p>The CE marking of this product applies to "The Electrical Equipment (Safety) Regulations 2006", "The Electromagnetic Compatibility Regulations 2004", the "Waste Electrical and Electronic Equipment Regulations 2006". [This legislation is the equivalent in UK law of EU directives 2014/35/EU, 2014/30/EU, 2012/19/EU respectively].</p> <p>The UKCA marking of this product applies to "The Electrical Equipment (Safety) Regulations 2016", "The Electromagnetic Compatibility Regulations 2016", the "Waste Electrical and Electronic Equipment Regulations 2012</p> <p>M Poutney Technical Manager</p>

1.0 Introduction - Eclipse Junior LED Safe Area Wellglass

A lightweight wellglass luminaire suitable for use in hostile, industrial environments, available with various mounting arrangements to ease access and maintenance of the control gear enclosure and assist when installing or maintaining in high or difficult areas. The enclosure is painted aluminium with a fluted glass globe lens or optional prismatic glass refractor. All screws and bracketry are manufactured from stainless steel or corrosion resistant aluminium.

CHALMIT MODEL NUMBER	WATTS	Hz	VOLTS	AMPS
ECJI/05L/LE/**	44	50/60	110-277	0.4 - 0.16



Power factor ≥ 0.90 at 110Vac-277Vac, 100% Load.

Terminals 6mm² as standard, looping has current limit of 16A.

Storage Luminaires should be stored in cool dry conditions preventing ingress of moisture and condensation

Fuse and MCB ratings It is recommended that for selection of MCBs users should consult the MCB manufacturer as this unit contains electronic gear. The electronic control gear has a nominal value of inrush current of 60A for 1ms.



1.1 Application

The luminaire should not be used in conditions where there are environmental, vibration or shock conditions above the normal for fixed installations.

The gaskets should not be exposed to hydrocarbons in liquid or high concentration vapour states.

2.0 Storage

Luminaires and control gear boxes are to be stored in cool dry conditions preventing ingress of moisture and condensation.

3.0 Installation and Safety

3.1 General

There are no health hazards associated with this product whilst in normal use. In the UK the requirements of the 'Health and Safety at Work Act' must be met.

Handling and electrical work associated with this product to be in accordance with the 'Manual Handling Operations Regulations' and 'Electricity at Work Regulations, 1989'. Your attention is drawn to the paragraphs (i) 'Electrical Supplies', (ii) 'Electrical Fault Finding and Replacement' and (iii) 'Inspection and Maintenance'. The luminaires are Class 1 and should be effectively earthed.

The luminaires are quite heavy and suitable means of handling on installation must be provided.

Certification details on the rating plate must be verified against the application requirements before installation.

The information in this leaflet is correct at the time of publication. The company reserves the right to make specification changes as required.

3.2 Tools

A flat blade screwdriver to open the end cover.

Strap wrench to tighten/loosen the diffuser.

3mm and 5mm flat blade screwdriver. Pliers, knife, wire and strippers/cutters.

A spanner suitable for fitting cable glands.

3.3 Electrical Supplies

Supply voltage: 110-277V 50/60Hz $\pm 6\%$

3.4 Mounting

Luminaires should be installed where access for maintenance is practical and in accordance with any lighting design information provided for the installation. The wall mounting or ceiling mounting arrangements should be secured with lock washers or self-locking nuts and bolts. The pole mounting version must be mounted so as to maintain the IP rating.

3.5 Cabling and Cable Glands

3.5.1 Cables

The temperature ratings of the cable entries at 55°C ambient requires a cable rated at 90°C. Cables rated at 35°C above ambient are suitable for use at lower ambient installations.

3.6 Cable Glands

Where brass cable glands are used in a corrosive environment, cadmium or nickel plating should be used. Sealing plugs for unused entries should be similarly rated and fitted. Entries suitable for M20 cable glands are standard. Entries suitable for M25, 3/4" or 1" NPT are available to special order.

3.7 Inspection and Maintenance

Visual inspection should be carried out at a minimum of 12 monthly intervals and more frequently if conditions are severe.

- 1 Check if any LED's have failed (not lit).
- 2 If 1 LED in 2 or more LEDs are out then we recommend these be replaced. Refer to **3.9.1 LED Replacement**.
- 3 Check for mechanical damage/corrosion.
- 4 Check for loose connections including earthing.
- 5 Check for undue accumulations of dust or dirt.

- 6 Check tightness of fixing, glands, blanking plugs etc.
- 7 Check for unauthorised modifications.
- 8 Check condition of enclosure gaskets and fastenings.
- 9 Check for any accumulation of moisture.
- 10 Clean the lamp glass.
- 11 Check that mountings are secure.
- 12 If there is suspicion that the luminaire has suffered mechanical damage, a stringent workshop check should be made.

3.8 Electrical Fault Finding and Replacement

Any fault finding must be done by a competent electrician with the luminaire isolated and if carried out with the luminaire in place, under a permit to work. Fault finding is by substitution with known good components

3.9.1 LED Replacement

The need and frequency of replacing LED's be dependent on the functionality of the fitting. If it is continually running at high ambient temperatures it will affect the frequency of LED replacement. If it is necessary to replace the LED's, the LED's are mounted on boards that can be replaced individually. (The boards with LED's supplied by Chalmit). Remove cover assembly.

Removal of LED assembly is as follows:

1. Unscrew 3 off screws that secure the board to the heatsink.
2. Carefully lift the plate and disconnect push in wiring.
3. Fitting; Reversal of above

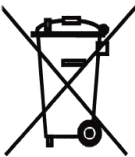
4.0 Overhaul

The unit is largely made of materials that are very corrosion resistant. This allows the unit to be completely stripped, cleaned, and then re-built with new electrical parts as required. The internal wiring is 1.0mm² flexible, silicone rubber insulated. All the spares required are available. Please state the model number, LED and optical details. The seal at the end cover is held within a groove by silicone R.T.V. The Globe gasket is similarly held in place by RTV.

If the gaskets have deteriorated by softening or permanent set, new gaskets should be fitted, which can be obtained from Chalmit. To fit the gasket, the old gasket should be removed and remaining RTV scraped off. The gasket is fixed in place and joined with silicone R.T.V. to the body.

6.0 Disposal of Material

The unit is mostly made from incombustible materials. The control gear contains plastic parts and polyester resin. All electrical components and the body parts may give off noxious fumes if incinerated. Take care to render these fumes harmless or avoid inhalation. Any local regulations concerning disposal must be complied with. Any disposal must satisfy the requirements of the WEEE directive [2012/19/EU and Regulations 2012] and therefore must not be treated as commercial waste.

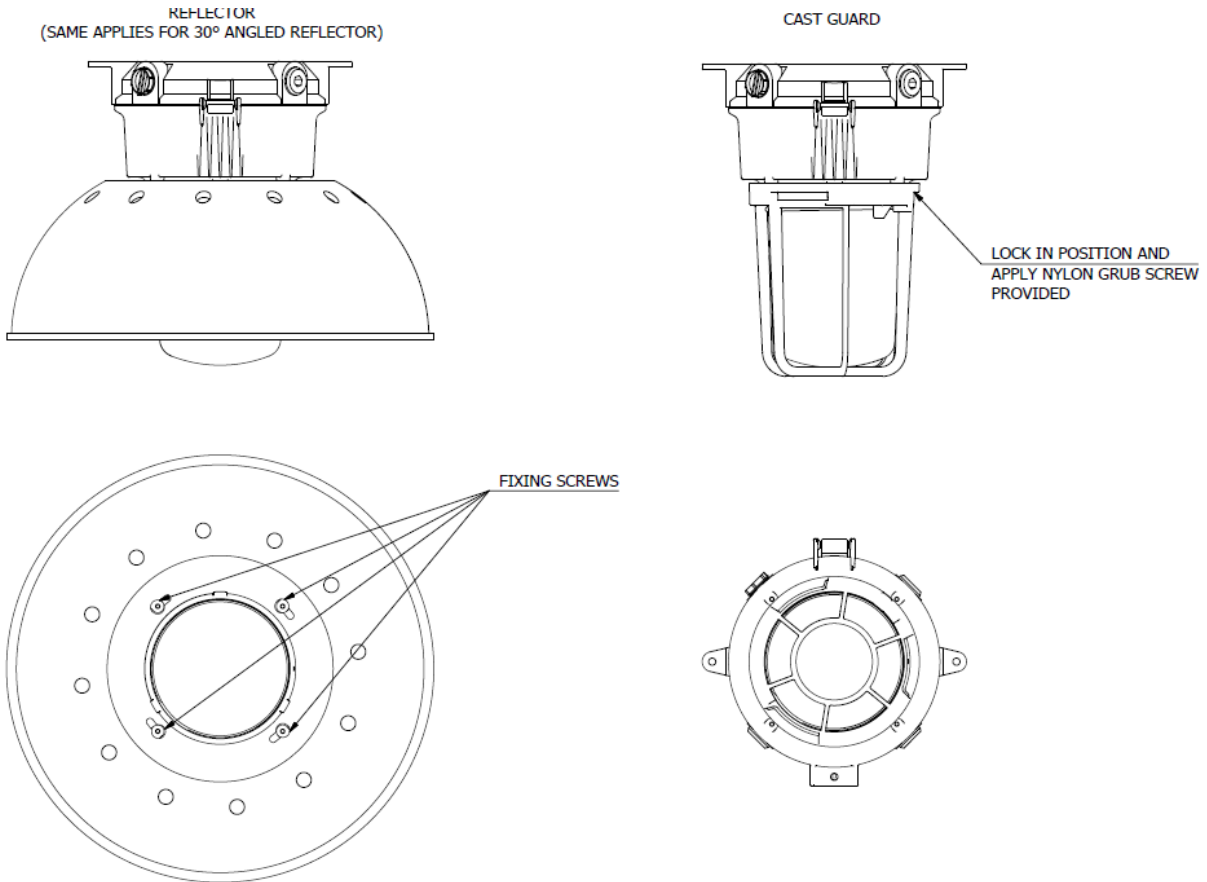


To comply with the Waste Electrical and Electronic Equipment directive 2012/19/EU and Regulations 2012 the apparatus cannot be classified as commercial waste and as such must be disposed of or recycled in such a manner as to reduce the environmental impact.



Directions for Installation of Accessories

WARNING: Ensure the supply circuit is off before starting installation.

To install reflector, carefully remove the 4 screws provided in housing that align with the locations of the holes on the reflector and retain the screws. Place the reflector into position, lining up the holes in the reflector with the holes on the lens housing. Reinstall the removed 4 screws into the existing hole location, and tighten to secure.



Chalmit Lighting is a leading supplier of Hazardous Area lighting products

	<p>CHALMIT LIGHTING PO Box 5575 Glasgow, G52 9AP Scotland</p>	
<p>Telephone: +44 (0) 141 882 5555 Fax: +44 (0) 141 883 3704 Email: info@chalmit.com Web: www.chalmit.com</p>	<p>Registered No: 669157 Registered Office: Cannon Place 78 Cannon Street London EC4N 6AF UK</p>	

For technical support, please contact: techsupport@chalmit.com

Note: Chalmit Lighting reserves the right to amend characteristics of our products and all data is for guidance only.



	EU/UK-Declaration of conformity		
	UE-Déclaration de conformité		
	EU-Konformitätserklärung		
Manufacturer	Chalmit	Address	388 Hillington Road, Glasgow. G52 4BL Scotland UK
Product	Eclipse Junior LED Wellglass Industrial		
Catalogue	ECJI/05L/LE/**		
Area Classification	Industrial, (Non- Hazardous)		
Ingress Protection	IP66		
Ambient	-40°C to +55°C		
Terms of the directive:		Standard & Date Certified to	Standards Date Declared to
2014/30/EU Regulations 2016	Electromagnetic compatibility	EN 55015 : 2019	
2014/30/UE	Compatibilité électromagnétique	EN 61547 : 2009	
2014/30/EU	Elektromagnetische Verträglichkeit	EN 61000-3-2 : 2019	
2014/35/EU Regulations 2016	Low voltage equipment	EN 60598-1 : 2015	
2014/35/UE	Équipements électriques à bas voltage	EN 60598-2-5 : 2015	
2014/35/EU	Niederspannungsgeräte / -systeme	EN 60529 : 1992+A2:2013	
2012/19/EU Regulations 2012	Waste of electrical and electronic equipment		
2012/19/UE	Déchets d'équipements électriques et électroniques		
2012/19/EU	Entsorgung der elektrischen und elektronischen Geräte / Systeme		
2011/65/EU Regulations 2012	RoHS II Directive		

On behalf of the Chalmit, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms to all technical and regulatory requirements of the above listed directives.

En tant que représentant du fabricant Chalmit, je déclare qu'à la date où les équipements accompagnant cette déclaration sont mis sur le marché, ceux-ci sont conformes à toutes les dispositions réglementaires et techniques des directives énumérées ci-dessus.

Hiermit bestätige ich, im Namen von Chalmit, dass am Tag der Lieferung des Produkts/der Produkte zusammen mit dieser Erklärung das Gerät/die Geräte alle technischen und regulativen Anforderungen der oben aufgeführten Direktiven erfüllt.

Name and Date Mark Poutney 10/11/2021
 Nom et Date
 Name und Datum

Technical Manager
 Directeur technique
 Technischer Leiter

Quality Management System Accreditation:
 Système de Management Qualité Accréditation:
 Qualitätsmanagementsystem Akkreditierung:
 Environmental Management System.
 Système de gestion de l'environnement.
 Umwelt kontroll system.
Certificate No./Certificat N°/Zertifikat Nr.

ISO 9001

ISO 14001
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