

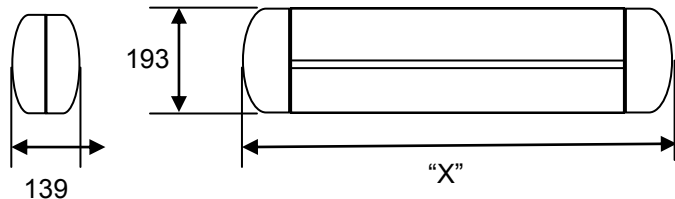
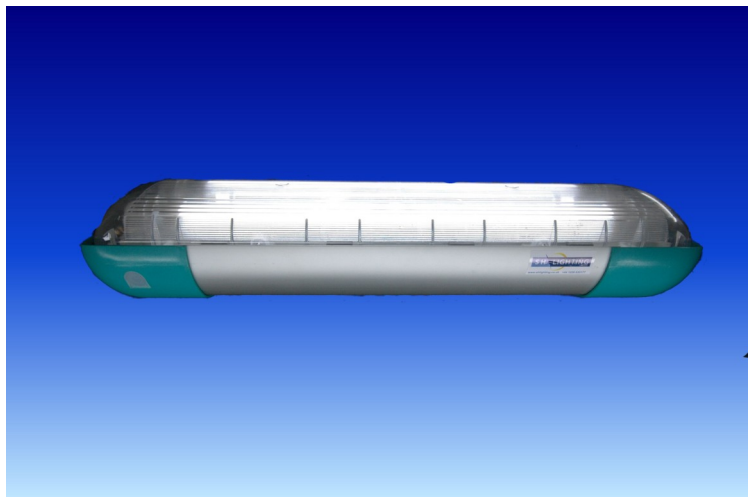
IRONSIDE™ Class—RUGGED LED INDUSTRIAL LUMINAIRES

A solid state luminaire supplied in two versions:

IRN Series with Integrated LED module—offers the ultimate performance and maximum life

IRT series with Replaceable LED tube (CHRYSOLITE series) — a flexible solution allowing replacement of lamps in case of damage or to take advantage of improvements in LED technology and increasing performance

- Energy efficient—typically 30% more efficient than fluorescent luminaires
- Uses latest high brightness power LED technology
- Sealed to IP65
- No through life Maintenance required.
- 50 000 hours life (continuous operation) 70% lumen maintenance
- Instant on even in cold temperatures (<5°C)
- Resistant to shock and vibration
- No mercury—environmentally friendly
- Internal automatic isolation when diffuser opened



“X” = 760mm for 2 x 18W, 1365mm for 2 x 36W

Part Number	Replaces	Length “X”(mm)	Fixing Centres (mm)	lux @ 1.4m (lm)	Power Consumption Typ (W)	Operating temp range (°C)	CCT Typ (K)	CRI Ra
IRN-0600-CW*	2x18W	590	100 min to 450 max	450	25	-20 to +45	6500	75
IRN-1200-CW*	2x36W	1200	100 min to 1055 max	685	55	-20 to +45	6500	75
IRT-0600-CW*	2x18W	590	100 min to 450 max		26	-20 to +45	6500	70
IRT-1200-CW*	2x36W	1200	100 min to 1055 max		50	-20 to +45	6500	70

* Add TW to end of part number for ‘Through Wire’ option

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CHARACTERISTICS

Input Voltage (IRN Series)	Integral electronic driver can accept: 110Vdc, 110Vac or 230 Vac
Input Voltage (IRT Series)	230Vac only
Cable Entries	2 x M20 entries at each end. Supplied with 3 blanking plugs as standard
Earth	Earth Gland Plate
Terminals	3 wire and earth. Cable size 4mm ² max. Through wire option with 1 off terminal block each end
Mounting facility	2 x M8 “Quick fit” bolts available on variable centres for ease of mounting
Material	Anodised corrosion resistant aluminium and high impact polycarbonate diffuser and body mouldings. UV resistant.
Weight	600 mm 6.5kg 1200 mm 10.2kg



Single Point diffuser release



Terminal block access



Rear mounting channel for T bolt

IRONSIDE - Operating Instructions

Part no's IRT-600-** & IRT-1200-**

Safety



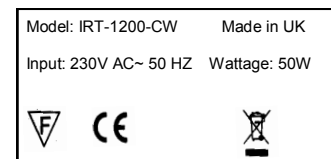
- These products operate off 230VAC
- This fitting **MUST ONLY** be used with CHRYSOLITE LED tubes part no's CHR-600-** & CHR-120-**
- The electrical supply **MUST** be disconnected before fitting
- **DO NOT** exceed the Input Voltage or supply with DC voltages
- These products **MUST NOT** be connected to remote Emergency battery supplies
- The electrical supply **MUST** be disconnected before opening the light fitting once fitted

Technical Information

- Input voltage 230Vac
- Power 23 W (IRT 600) 50 W (IRT 1200)
- T8 G13 Bi-Pin Tube
- Weight 5.8 Kg (600mm) 9.4 Kg (1200mm)
- Operating Temperature -20 to +45° C
- Sealing Integrity IP65
- Terminal size 4mm² max

Labelling Information and Conformity to Standards

- The products comply with the constructional standards: BS EN 60598 Part 1 + A1, BS EN 60598-2-1



Installation and Operation



Opening and mounting:

- To open the fitting open the single point locking plastic cover and insert a hexagon key. Rotate through 90° to release the internal diffuser locking mechanism
- The diffuser may be removed and allowed to be supported by its securing straps
- Remove the internal reflector by unclipping the 2 retention clips. The reflector has a coloured protective film on it. This **MUST** be removed before operation
- Secured inside the body of the fitting is a Gland Earth plate (if armoured cable is to be used) and also the T Bolts for mounting the fitting. These **MUST** be removed before operation
- The terminal block/blocks are accessed by sliding the lamp holder trays towards the centre of the fitting. **DO NOT** force or slide these too far into the light fitting
- Insert the T bolts into the rear mounting channel and secure with the nut to prevent rotation
- Fix the fitting to the desired mounting surface/platform

Wiring:

- See wiring diagram overleaf
- Insert suitable good quality IP65 cable glands into the cable entries. Ensure the gland seal is good. If more than the single entry is required remove the relevant number of blanking plugs fitted by the factory to allow additional glands to be inserted
- For armoured cable the Gland Earth plate may be fitted internally and secured by the gland nut — connect the earth wire to the Earth terminal in the terminal block and secure
- Insert the cable into the cable gland/glands and connect the conductors to the terminals as per wiring diagram
- All terminal screws **MUST** be tightened — this includes the terminals without conductors connected



Single point diffuser release



Terminal block access

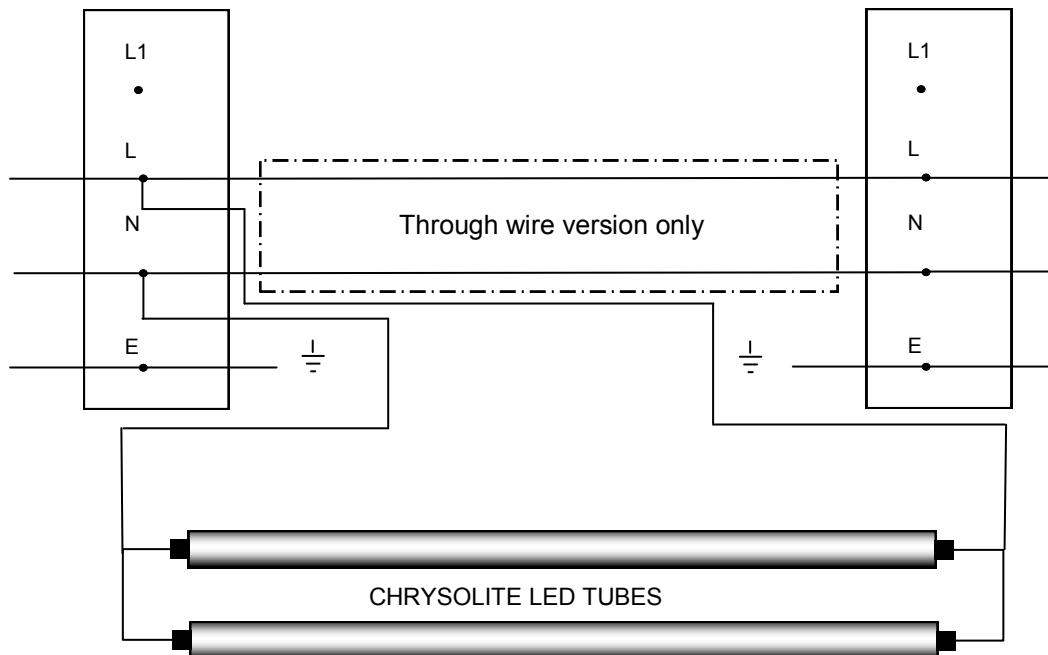


Rear mounting channel
for T bolt

IRONSIDE - Operating Instructions

Part no's IRT-600-** & IRT-1200-**

Wiring Diagram



Installation and Operation

Inserting the CHRYSOLE LED tube:

- Slide back the lamp holder trays into their original position
- Ensuring the reflector has had its protective film removed, replace this ensuring it is seated below the diffuser locking mechanism and securely clipped onto both retention clips
- Insert the CHRYSOLE LED tubes into the bi pin lamp holders and ensure they are seated correctly
- Replace the diffuser ensuring it is seated correctly all the way along its gasket and using a hexagon key, rotated through 90° to lock the internal diffuser locking mechanism. Remove the hexagon key and close the single point locking plastic cover
- The fitting is now ready to be switched on for operation

Maintenance, Servicing and Cleaning



- Prior to installation and at regular intervals the following **MUST** be checked:
 - The clear polycarbonate diffuser cover for signs of cracking or damage
 - The coloured polycarbonate end caps for signs of cracking or damage
 - The gasket for signs of permanent distortion and cracking
- Do NOT use solvents or abrasives.
- Clean with a mild detergent and damp cloth **ONLY**

Disposal



- This product contains no mercury or substances hazardous to health and may be disposed of in line with the WEEE directive.