

FLIF – EMERGENCY LIGHTING UNIT



Each emergency lighting unit in the FLIF range is designed to facilitate the addition of emergency lighting operation to standard mains fluorescent luminaires.

FLIF units are designed in accordance with BS EN 60598-2-22, BS EN 61347-2-7 and BS EN 61347-2-13.

For maintained operation FLIF units must operate in conjunction with the existing ballast in the mains luminaires.

In normal mains operation the lamp is powered from the existing mains ballast and in emergency operation by the FLIF unit and associated battery.

KEY FEATURES AND BENEFITS

- > Basic, Self-Test & DALI communication options
- > Non-maintained or maintained mode of operation
- > 3-hour emergency operating time
- > Constant power output in emergency mode
- > Deep discharge protection
- > 3-year warranty

TECHNICAL SPECIFICATIONS

Input voltage	220V-240V _{AC}
Mains input frequency	50-60Hz
Ambient temperature <i>t_a</i>	+5°C to +50°C
Unit max. case temperature <i>t_c</i>	65°C
Safety class	I
Ingress Protection type	IP20
Switchover time	<0.5 seconds
Battery technology	NiCd
Emergency duration	3 Hours
Battery recharge period	24 Hours for rated duration
Unit case size	L210mm x W31.5mm x H21.5mm
Enclosure material	Galvanised Steel

TECHNICAL DATA

Luminaire Type	Part No.	Description	Lamp Power	Emergency Duration	Light Output (96W)	Light Output (58W)	Light Output (80W)	Battery
BASIC	10-01-0160	FLIF-G 6-80/4D/180 - NICD INVERTER BASIC - F CAN	6-80W	3Hr	9%	5%	3.5%	NiCd 4D 4.8V 4.5AH
	10-01-0165	FLIF-G 14-80/6D/180 - NICD INVERTER BASIC - F CAN	14-80W	3Hr	13%	8%	5%	NiCd 6D 7.2V 4.5AH
SELF-TEST	10-02-0160	FLIF-SG 6-80/4D/180 - NICD INVERTER SELF TEST - F CAN	6-80W	3Hr	9%	5%	3.5%	NiCd 4D 4.8V 4.5AH
DALI	10-04-0160	FLIF-DALIG 6-80/4D/180 NICD INVERTER DALI - F CAN	6-80W	3Hr	9%	5%	3.5%	NiCd 4D 4.8V 4.5AH

USEABLE LAMP TYPE

Battery type	Lamp Types	System Power
4D/180	T26/T8/FD	All up to (and including) 70W
	T16/T5/FDH	All up to (and including) 80W
	TC-SEL/FSD	All from 7W up to (and including) 11W
	TC-L/FSD	All from 18W up to (and including) 55W
	TC-DEL/FSQ	All up to (and including) 26W
	TC-TEL/FSMH	All up to (and including) 32W
	TC-DD/FSS	All from 16W up to (and including) 28W
	T16-R/FCH	All from 22W up to (and including) 55W
	TC-TELI/TC-TI	Ask for latest information
6D/180	T26/T8/FD	All up to (and including) 70W
	T16/T5/FDH	All from 13W up to (and including) 80W
	TC-SEL/FSD	All from 9W up to (and including) 11W
	TC-L/FSD	All up to (and including) 80W
	TC-F/FSS	All up to (and including) 36W
	TC-DEL/FSQ	All up to (and including) 26W
	TC-TEL/FSMH	All up to (and including) 57W
	TC-DD/FSS	All up to (and including) 38W
	T16-R	All up to (and including) 55W

ACCESSORIES

	Inverter Type	Part No.	Description
LED Indicators	BASIC	10-98-0008	LED INDICATOR GREEN SUPERBRIGHT—500MM JST EHR 2POLE
		10-98-0015	LED INDICATOR GREEN SUPERBRIGHT—1000MM JST EHR 2POLE
		10-98-0020	LED INDICATOR GREEN PROJECTION—1000MM JST EHR 2POLE
	SELF-TEST & DALI	10-98-0003	LED INDICATOR RED/GREEN SUPERBRIGHT—500MM JST EHR 3POLE
		10-98-0004	LED INDICATOR RED/GREEN SUPERBRIGHT—1000MM JST EHR 3POLE
		10-98-0013	LED INDICATOR RED/GREEN PROJECTION—500MM JST EHR 3POLE
		10-98-0014	LED INDICATOR RED/GREEN PROJECTION—1000MM JST EHR 3POLE
		10-98-0018	LED INDICATOR LP RED/GREEN SUPERBRIGHT—450MM JST EHR 3POLE
		Indicator Holder	ALL
Indicator Bezel	ALL	10-95-0002	LED INDICATOR HOLDER—CEILIGN TILE

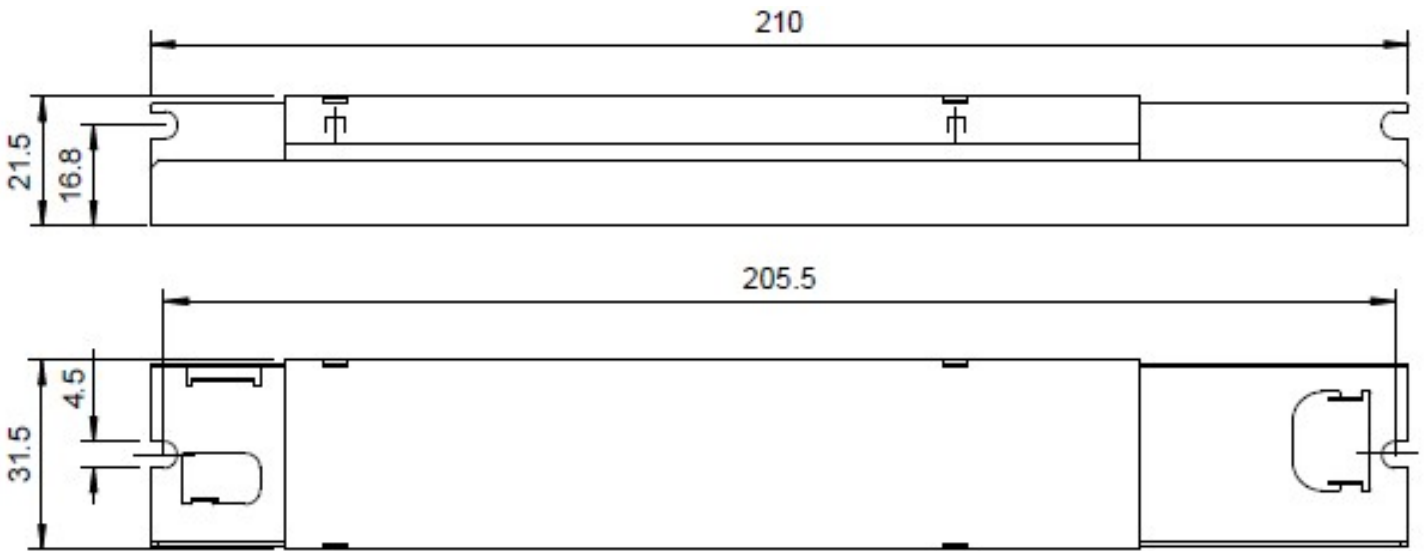
STANDARDS AND APPROVALS

- > BS EN 55015
- > BS EN 61000-3-2
- > BS EN 61000-3-3
- > BS EN 61347-1
- > BS EN 61347-2-7
- > BS EN 61347-2-13
- > BS EN 61547
- > BS EN 62034
- > BS EN 62384

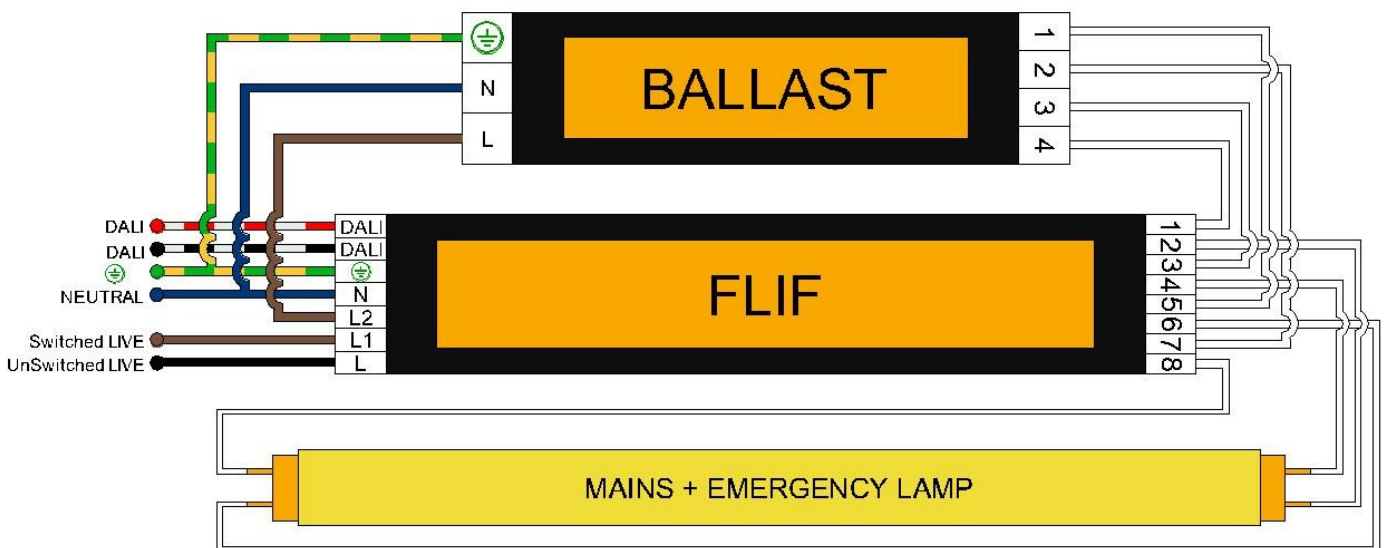


End of Life— At the end of service life there is an obligation upon the user to ensure our products are professionally collected, stored, transported, and recycled in accordance with the UK Waste Electrical and Electronic Equipment (WEEE) regulations 2018 amendments (open scope) and EU Directive 2012/19/EU on waste of electric and electronic equipment (WEEE). We fulfil our obligations and responsibilities to facilitate recycling of our products in accordance with current legislation through a producer compliance scheme.

DIMENSIONS





WIRING DIAGRAM








Note: For further diagrams featuring multiple lamps please contact us

STATUS INDICATOR









Visual status indicator for Basic models

-  **LED Green:** No fault / normal state.
-  **LED Extinguished:** Emergency operation in progress / battery fully discharged.

Visual status indicator for Self-Test models

-  **LED Green:** No fault / normal state.
-  **LED Continuous Flashing Red:** Battery fault—either insufficient battery capacity or interrupted connection. The fault indication is reset once the fault is cleared.
-  **LED Intermittently Flashing Red:** Luminaire fault
-  **LED Flashing Green / Momentary Red:** Duration test interrupted, postponed or Self-Testing failure.
-  **LED Extinguished:** If the LED is still off after more than 5 minutes of switching on the mains, then the mains or the unit is faulty

Visual status indicator for DALI models

-  **LED Intermittently Flashing Green:** Function test (fast flash 100ms on/off) or duration test (slow flash 1s on/off)
-  **LED Regularly Flashing Green:** Inhibit
-  **LED Green:** No fault / normal state.
-  **LED Continuous Flashing Red:** Battery fault (fast flash 100ms on/off) or test failed (slow flash 1s on/off). The fault indication is reset once the fault is cleared.
-  **LED Red:** Luminaire fault
-  **LED Flashing Green / Momentary Red:** Duration test interrupted, postponed or Self-Testing failure.
-  **LED Alternating Flashing Red/Green :** Identification switched on to locate individual unit address
-  **LED Extinguished:** If the LED is still off after more than 5 minutes of switching on the mains,

CONTACT US

Lux Box Lighting Technology Limited

 1 WYMANS WAY, FAKENHAM, NORFOLK, NR21 8NT

 03300 539 339  sales@luxbox.co.uk  luxbox.co.uk