The latest range of Convertalite conversion kits delivers optimum performance for a diverse choice of fluorescent lamp types and wattages. The new QX series of modules simplifies the selection of kit for T8 lamps, the same module being suitable for magnetic and high frequency circuits. Each module now has 4 pole output switching plus an additional relay pole to isolate the switched live in emergency mode. Consequently, lock-out of the ballast is prevented when it returns to mains mode. Low profile modules and unique chamfered battery end caps, easing integration into shallow luminaires, are standard throughout, particularly useful in the newest ranges of T5 lamp.

- BSI Kitemarked for peace of mind
- Fully compatible with high frequency circuits
- Extensive range, covering a diverse choice of fluorescent lamps
- Low profile design for easy integration
- Full 5 pole isolation, preventing mains ballast lock-out
- Rapid conversion service
- EasiCheck central addressable self-test options

Convertalite

Lamp Options

- See selection table

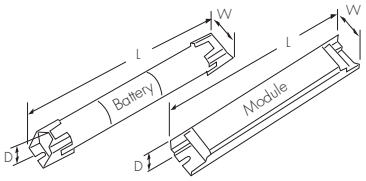
Materials

- Module case - steel, white finish
- Battery end caps - polycarbonate
- Batteries - sealed nickel cadmium

Installation Notes

- Suitable for fitting integral to host luminaire, where thermal and electro-magnetic test results permit
- Remote mounting of complete kit, or of batteries only, available. Contact Technical Support for full details
- Supplied complete with low profile end caps for mounting batteries and LED with 1000mm lead

Dimensions



Description	L (mm)	W (mm)	D (mm)	Fixing Centres (mm)
QX/HC/HD/HE modules	216	38	28.5	205
EH modules	216	38	36.5	205
2 cell battery & caps	160	33	33	150
3 cell battery & caps	220	33	33	210
4 cell battery & caps	280	33	33	270
5 cell battery & caps	340	33	33	330

Options

- 3 hour duration. Mode of operation dependant on host luminaire

Conversion Service

To ensure satisfactory operation, a full conversion service is offered by Cooper Lighting and Safety. This gives complete peace of mind that the conversion is carried out and certified to all required standards, providing:

- Total warranty of converted luminaire
- CE marking of converted luminaire. Note: It is a legal requirement to remove the existing and re-apply a new CE mark to the luminaire **after** it has been converted **and** compliance with CE requirements established
- Conformance to ICEL 1004, when luminaires supplied for conversion have BSI Kitemark and ⓕ marking
- Conversion in a facility that is BS EN ISO9001 approved

Specification

To specify state: Electronic emergency conversion kit for fluorescent lamps with low profile module featuring 4 pole output switching and additional isolating relay pole, with time delay function to prevent lock-out of mains ballast on return to normal mode, suitable for high frequency and magnetic control gear circuits, sealed nickel cadmium battery sets, mounted using uniquely profiled end caps for ease of integration, as Menvier Convertalite range, part no. _____

Technical Specification

Supply voltage	230V ± 10%, 50-60 Hz
Supply current	50 mA maximum
Battery charge current	0.25 A nominal
Battery discharge current	1.1 A nominal
Ta (ambient)	50° C
Tc (case)	75° C
Battery cell	1.2V 4AH Ni-cad
Emergency lumen output / BLF	See selection table
Normal lumen output	Full rated output of lamp (maintained circuits)
Recharge period	24 hour (14 hour for 1 hour duration)

Selection Table

The table indicates the most suitable choice of module and the corresponding resulting ballast lumen factor with batteries indicated

Lamp Type	Conversion Kit (incl batteries)	Battery Configuration	Ballast Lumen Factor (BLF)
Compact Fluorescent			
10W 2D	BQX18	3 cell 3.6V	0.24
16W 2D	BQX18	3 cell 3.6V	0.18
7W TC	BQX18	3 cell 3.6V	0.21
11W TC	BQX18	3 cell 3.6V	0.21
10W TC-DE	BQX18	3 cell 3.6V	0.19
13W TC-DE	BQX18	3 cell 3.6V	0.19
18W TC-DE	BQX	3 cell 3.6V	0.10
26W TC-DE	BQX	3 cell 3.6V	0.09
18W TC-T	HC1	4 cell 4.8V	0.06
26W TC-T	HD1	5 cell 6.0V	0.06
32W TC-T	HD1	5 cell 6.0V	0.06
42W TC-T	HD1	5 cell 6.0V	0.08
18W TC-L	BQX18	3 cell 3.6V	0.12
36W TC-L	BQX	3 cell 3.6V	0.07
40W TC-L	EH	6 cell 7.2V	0.06
55W TC-L	EH	6 cell 7.2V	0.05

Lamp Type	Conversion Kit (incl batteries)	Battery Configuration	Ballast Lumen Factor (BLF)
Linear Fluorescent			
14W T5 (HE)	BQX14	3 cell 3.6V	0.14
21W T5 (HE)	HC1	4 cell 4.8V	0.09
24W T5 (HO)	HE1	6 cell 7.2V	0.08
28W T5 (HE)	HD2	5 cell 6.0V	0.08
35W T5 (HE)	HE1	6 cell 7.2V	0.09
39W T5 (HO)	HE1	6 cell 7.2V	0.07
49W T5 (HO)	HE1	6 cell 7.2V	0.07
54W T5 (HO)	HE1	6 cell 7.2V	0.06†
18W T8	BQX18	3 cell 3.6V	0.14
36W T8	BQX	3 cell 3.6V	0.09
58W T8	CQX	4 cell 4.8V	0.06
70W T8	DQX	5 cell 6.0V	0.05
100W T12	EH	6 cell 7.2V	0.05

† 2 hour autonomy

When performing photometric designs, the K and S lumen reduction factors of 0.85 and 0.85 respectively should be applied. See page 566 for Design Guide.

Description	Module & Battery Conversion Kit	Weight (kg)
18-36W T8 conversion	BQX	0.80
36-65W T8 conversion	CQX	1.00
65-70W T8 conversion	DQX	1.20
14-21W T5 conversion	HC1	1.00
26-42W TC conversion	HD1	1.20
28-35W T5 conversion	HD2	1.20
24-54W T5(HO) conversion	HE1	1.40
40-55W TC conversion	EH	1.40

A wide range of enclosures for remotely mounting the module and battery, or batteries only, are available. Contact Technical Support for full details.