

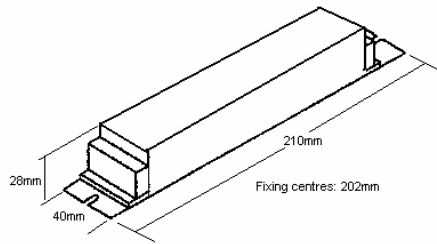
ECK CONVERSION EQUIPMENT

ECK (Emergency Conversion Kits) comprise a high quality emergency lighting inverter module and the appropriate battery pack. Standard kits offer 4Ah High Temperature Nickel Cadmium cells in a stick format. However, side by side formats and Nickel Metal Hydride batteries are also available.

ECK kits are available with OM or OM/LP inverter modules which are referred to as 'Total Isolation' or 5-pole control units (featuring full 4pole change-over of the lamp/gear connections plus a timed fifth pole to make & break the ballast live supply). This ensures that the ECK conversion kits are suitable for all ballast types including HF and dimming.

STANDARD 'OM' MODULES

The OM Module range has been designed to suit all emergency lighting applications requiring inverter / battery kits to be integrated into modern mains voltage luminaires.



The compact dimensions provide flexibility for internal component layout and the push-wire / IDC terminals simplify assembly whether manual or robotic. Case temperature (tc) rated at 70°C.

The modules fully comply to EN61347 and EN60925



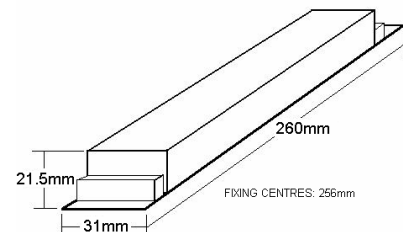
LOW PROFILE 'OM/LP' MODULES



The OM/LP Modules have been designed to suit all common T5 fluorescent luminaires. The OM680/LP covers all high output lamps from 40 to 80Watts and for specific operation of lamps up to 40Watts there is the OM635/LP. Ballast Lumen Factors and basic performance of the OM680LP module is identical

to the standard OM680 module. The compact dimensions provide flexibility for internal component layout and the push-wire terminals simplify manual or robotic assembly. Case temperature (tc) rated at 70°C.

The OM635/LP & OM680/LP low profile modules fully comply with EN61347 and EN60925



BATTERY PACKS

Standard ECK conversion kits are supplied with 4Ah 'D' size high temperature Nickel Cadmium cells in stick format although side by side packs are also available.

For the ECK635/LP & ECK680/LP Low Profile kits, battery packs made up of two 3cell sticks using 4Ah C-size Nickel Metal Hydride batteries are supplied as standard to compliment the height of the Low Profile OM/LP modules.

NB: 4Ah A-size Nickel Metal Hydride cells are also available offering an even smaller diameter.

All available batteries are connected to the appropriate module via a non-reversible plug & socket. All modules are calibrated to give the optimum light output from the largest lamp wattage within the stated range. The Ballast Lumen Factors are measured at the nominal battery voltage following ICEL lamp and ballast compatibility tests.

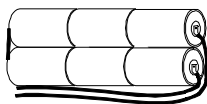
The 4Ah battery pack will provide a 3hour duration for at least 4years (assuming environmental limits are met).



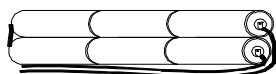
Example of Stick battery supplied with ECK kits
(B003) 3.6Volt 4Ah NiCd
Single cell dimension 60mm (L) x 33mm (Dia.)



Example of side by side battery available for ECK kits
(B003SBS) 3.6Volt 4Ah NiCd
Single cell dimension 60mm (L) x 33mm (Dia.)



Standard battery supplied with ECK635/LP & ECK680/LP (Low-Profile)
(2B032) 7.2Volt C-size 4Ah NiMH battery
Pack dimensions: 150mm (L) x 58mm (W) x 28mm (H)



Alternative battery for ECK635/LP & ECK680/LP (Low-Profile)
(2B027) 7.2Volt A-size 4Ah NiMH battery
Dims: 212mm (L) x 40mm (W) x 18mm (H)

FIXING CENTRES FOR BATTERY PACKS WITH END-CAPS

4Ah 'D' NiCd - single cell 60mm (L) x 33mm (dia.)

3-cell	4-cell	4-cell	5-cell	6-cell
(1x3 cell stick)	(1x4 cell stick)	(2x2 cell sticks)	(1x5 cell stick)	(2x3 cell sticks)
200mm	260mm	140mm	320mm	200mm

4Ah 'C' NiMH - single cell 50mm (L) x 26mm (dia.)

3-cell	4-cell	4-cell	5-cell	6-cell
(1x3 cell stick)	(1x4 cell stick)	(2x2 cell sticks)	(1x5 cell stick)	(2x3 cell sticks)
170mm	220mm	120mm	270mm	170mm

4Ah 'A' NiMH - single cell 70mm (L) x 18mm (dia.)

3-cell	4-cell	4-cell	5-cell	6-cell
(1x3 cell stick)	(1x4 cell stick)	(2x2 cell sticks)	(2cell + 3cell)	(2x3 cell sticks)
230mm	-	160mm	160mm + 230mm	230mm

LAMP COMPATIBILITY / BALLAST LUMEN FACTOR %

LAMP	OM336 ECK336	OM458 ECK458	OM 570 ECK570	OM421T5 ECK421T5	OM535T5 ECK535T5	OM524/49 ECK524/49	OM539/54 ECK539/54	OM635/LP ECK635/LP	OM/ECK680 OM/ECK680/LP
9WTCSEL	18	18	18						
10W TCD	18	18	20	21					
11W TCS	17	18	20	21					
13W TCD	15	17	21	20					
13W TCT	15	17	21	21	21			25	
13W T5	17	18	21						
14W T5				19	20			26	
16W 2D	17	19	19	18				24	
18W TCL	14	15	16	15	17			22	
18W TCD	13	14	15	15	16			21	
18W TCT		14	15	15	16			20	
18W T8	12	13	14					20	
21W T5				14	16			24	
24W TCL		12	14	14	15			20	
24W TCF	9	10	11					21	
24WT5						9		20	20
26W TCD	9	11	12	14	15			20	
26W TCT			13	13	15			20	
28W 2D		14	16	14	16			20	
28W T5					14			21	
32W TCT					13			16	17
35W T5					12			20	20
36W TCL	9	10	11		11			18	18
36W T8	9	10	11						
36W TCF		8	9		11			15	15
38W 2D		8	10		11			15	15
39W T5							6	10	10
40W TCL		7	9		10				12
42W TCT					10				12
49W T5						6			10
50W T8		7	8						
54W T5							5		10
55W 2D							9		11
55W Circ.							10		12
55W TCL		7	8				9		14
57W TCT			8						10
58W T8		7	8						
70W T8			7						9
70W TCT									9
80W T5							6		7
80W TCL							6		8

NOTES:

- 1, Product codes indicate module or kit i.e OM (module) or ECK (kit) plus the number of cells required for the battery voltage and the optimum lamp wattage e.g. OM458 - module requires 4 cells (4.8volts) and is optimised for 58Watt lamps
- 2, All ECK kits are available in a remote enclosure where the physical size or internal temperatures of a luminaire make an integral conversion impractical. Please order: **/REC**