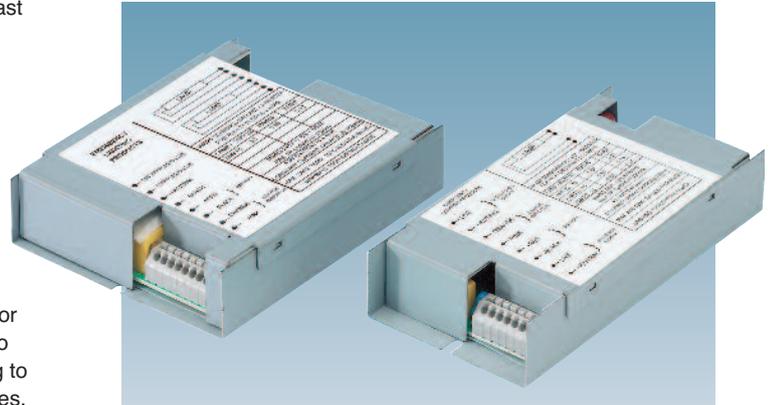


Integrated Modules

IM

INTEGRATED MODULES

The Integrated Modules incorporate a high quality electronic ballast and an emergency lighting inverter within the same enclosure. The module should be connected to a permanent 230Volt supply to charge the Nickel Cadmium or Nickel Metal Hydride batteries. A second switched mains supply then provides normal lighting. In the event of a failure of the permanent supply the lamp continues to operate from the battery. There are two physically different modules. One is ideally suited to the wide range of circular and square compact fluorescent luminaires which utilise the 28Watt or 38Watt 2D lamps. The second is designed to fit in the gearbox associated with compact fluorescent downlights. There are different calibrations for various lamp wattages but in all cases the circuits are designed to generate less heat than standard fluorescent control gear helping to maintain optimum battery temperatures within the small enclosures.



2D VERSIONS

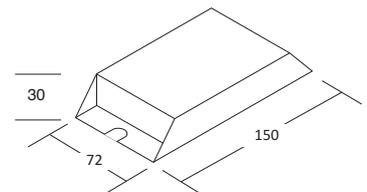
IM Integrated Modules are suitable for operation of all 16 – 38Watt 2D lamps including T5 and Amalgam.

GENERAL SPECIFICATION

Supply voltage	230V (220-240V) ~ 50Hz
Input current	230mA (max.)
Battery	4Ah NiCd or NiMH
Duration	3hrs (4Ah)
Limiting case temp.	70°C centre of base

BALLAST LUMEN FACTORS

Lamp	Mains		Emergency
	POWER	BLF	BLF
21W 2D	16W	0.80	0.19
28W 2D	24W	0.90	0.17
IM438			
38W 2D	30W	0.80	0.15



IM Modules for 2D lamps
Fixing Centres 144mm

SINGLE and TWIN COMPACT FLUORESCENT LAMP MODULES

Ideally Suited for the wide range of compact fluorescent downlights there are **IM** modules for single or twin 13Watt, 18Watt, 26Watt, 32Watt and 42Watt PL lamps designed to make the wiring of new luminaires or conversion of existing luminaires fast and cost effective. Utilising the same technology as the single 2D versions these models have the added advantage of being suitable for operation of one or two lamps from the same module. Under normal mains conditions the internal ballast will operate one or two lamps at almost full output and when the normal supply fails one lamp will automatically provide emergency lighting operation from the associated Nickel Cadmium or Nickel Metal Hydride battery. It should be noted that the **IM** modules for single and twin PL lamps are slightly larger than the 2D versions but are still ideally suited to fit in a typical larger existing gear box or in a bespoke remote enclosure.

Dimensions: 132mm (L) x 105mm (W) x 30mm (H)

All details and specifications shown in this document are deemed correct at time of publication. The right to modify equipment, change specifications and instructions without notice, is reserved as part of the Emergency Lighting Products Limited policy of continuous development and improvement. We endeavour to keep all our customers informed of any alterations as and when they occur.

GENERAL SPECIFICATION

Supply voltage	230V (220-240V) ~ 50Hz
Input current	230mA (max.)
Battery	— IM418 4.8V (4 x 4Ah) — IM526 6.0V (5 x 4Ah) — IM642 7.2V (6 x 4Ah)
Duration	3hrs (4Ah)
Limiting case temp.	70°C centre of base

BALLAST LUMEN FACTORS

Lamp	Mains		Emergency
	POWER	BLF	BLF
IM418			
13W PL/PLD	31W (max)	0.94	0.19
16W 2D	26W (max)	1.00	0.27
18W PL/PLD	42W (max)	0.90	0.17
IM526			
18W PL/PLT	48W (max)	0.98	0.19
26W PL/PLT	50W (max)	0.22	0.02
IM642			
32W PL/PLT	75W (max)	0.94	0.15
42W PL/PLT	98W (max)	0.90	0.10

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