

FILAMENT REPLACEMENT LEDs - MULTI-CLUSTER

FEATURES



084 SERIES

PACK QUANTITY = 10 PIECES

- Network Rail certificated product **
- LED Bulkhead unit
- Fit and Forget Solution
- Outstanding reliability
- For use as a Buffer Stop Light or Barrow Crossing Indicator

SPECIFICATION

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

PART NUMBER	COLOUR	LENS	VOLTAGE DC (Vdc) Vopr	CURRENT DC (mA) Iopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg	
HIGH INTENSITY									
084-501-99-64 **	Red	Colour Diffused	110Vac/Dc	37	11000	643	-40 ~ +95^	-40 ~ +100	Yes
084-501-76-65 **	Red	Colour Diffused	230Vac 50Hz	15	11000	643	-40 ~ +95^	-40 ~ +100	Yes
084-997-99-64 **	Cool White	Water Clear	110Vac/Dc	37	7800	*	-30 ~ +85^	-40 ~ +100	Yes
084-997-76-65	Cool White	Water Clear	230Vac 50Hz	15	7800	*	-30 ~ +85^	-40 ~ +100	Yes
UNITS				mA	mcd	nm	°C	°C	



^ = Products must be derated according to the derating information. Each derating graph refers to specific LEDs.

997 - LED Code	*Typical emission colour cool white			
x	0.296	0.283	0.330	0.330
y	0.276	0.305	0.360	0.318

Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch.

Supply Voltage: Nominal 110Vac/ Dc or 230Vac 50Hz
 Typ. Supply Current at 110Vac/Dc: 40mA (20mA per circuit)
 Typ. Supply Current at 230Vac/Dc: 40mA (20mA per circuit)
 Sealing Specification: IP64
 Colour Temperature: 8000K (for white products)

Two parallel branches of LEDs and independant drive circuitry provides the unit with a 50% redundancy factor

Railtrack Approval Certificate No: PA05/898 **

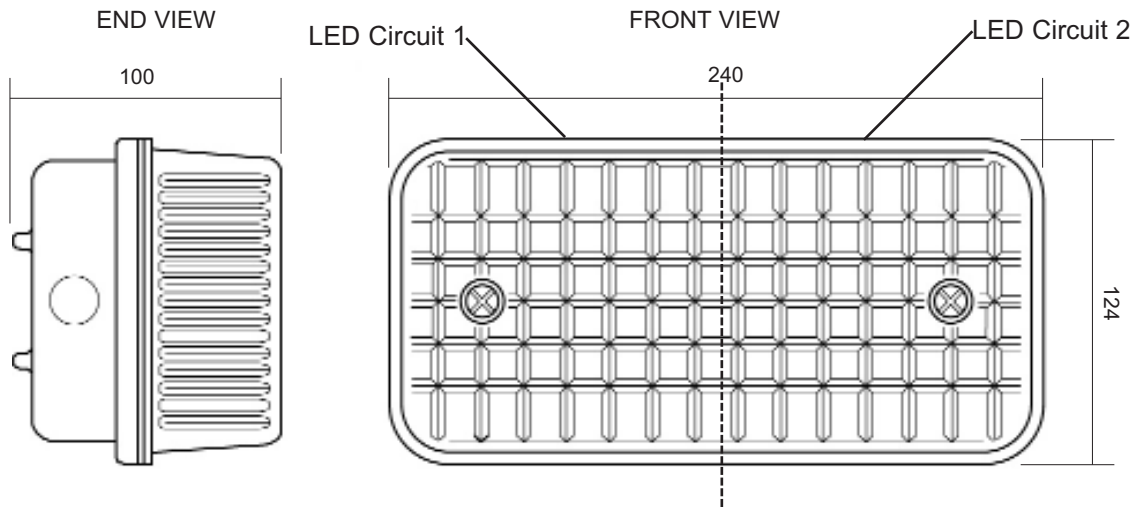
How to Order:

website: www.leds.co.uk • email: sales@marl.co.uk •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

The information contained in this datasheet does not constitute part of any order or contract and should not be regarded as a representation relating to either products or service. Marl International reserve the right to alter without notice the specification or any conditions of supply for products or service.

084 Series

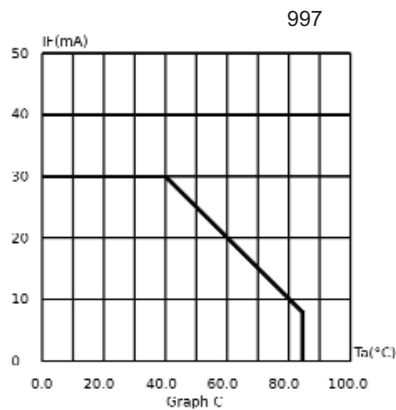
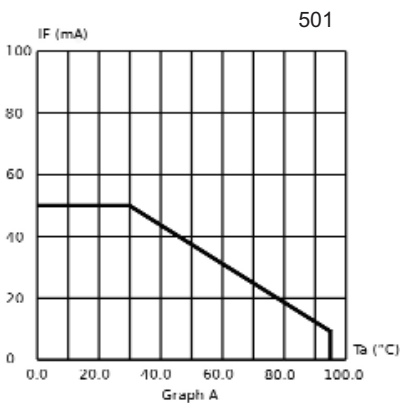


Dimensions in mm (Typical)
Not to scale

TECHNICAL INFORMATION

Series	Metric Equivalent (mm)	Maximum Power Dissipation (mW)
084	-	5000

DERATING INFORMATION



website: www.leds.co.uk • email: sales@marl.co.uk •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

The information contained in this datasheet does not constitute part of any order or contract and should not be regarded as a representation relating to either products or service. Marl International reserve the right to alter without notice the specification or any conditions of supply for products or service.