

Tranilamp TMU's

- **increase life expectancy of lamps**

Running the lamp at below rated voltage increases the typical running life of a filament lamp from 4000 hours to beyond 16,000 hours. Tranilamp LED clusters have a life typically in excess of 100,000 hours.

- **increase safety**

Lamp voltages are isolated and at low safe levels

- **increase flexibility**

Use with Tranilamp's extensive range of:
 Panel housings and lenses
 LED cluster lamps
 Filament lamps

Standard Specification

Types

TMU -Standard Transformer Indicator Lamp Body.

TEMU -As TMU plus transformer secondary with earth terminal.

Input Voltages

24, 50, 110, 240V std. 440, 550V and other voltages optional.

Operating Frequency

50/60 Hz as standard

Surrounding Air Temperature

Maximum 50 deg C when operating.

Lamps

6V, 1.8W tubular filament lamp supplied as standard.

Lamp Caps

E10 Miniature Edison Screw - MES

Mounting

Mount to panel using JY or H Series housings and lenses (see Data Sheet 200). TMU's screw onto the housings.

Terminations

M3.5 cable clamps with fixed terminal covers to IP20.

Construction

Transformers are encapsulated in mouldings. (ABS/Polycarbonate grey, flame retardant to UL94V0 non-drip)



TMU Indicator Body and Lamp (Standard without lens/housing)

Tests

Transformer lamps conform to BS EN 60947-5-1. All units are CE labelled in conformance with the L.V. Directive.

Weight (Body Only)

TMU - 114g, TEMU - 115g.

Optional Extras

Operating Frequency

400 Hz.

Input Voltages

440, 550V and others available on request.

Lamps

12, 24, 28V tubular filament lamp.

LED4, 4 X LED cluster lamp

- Amber, Green, Red, Blue or White.

LED7, 7 X LED cluster lamp

- Amber, Green, Red, Blue or White.

LEDM1 or LEDM1F (Flashing) lamp

- Amber, Green, Red, Blue or White

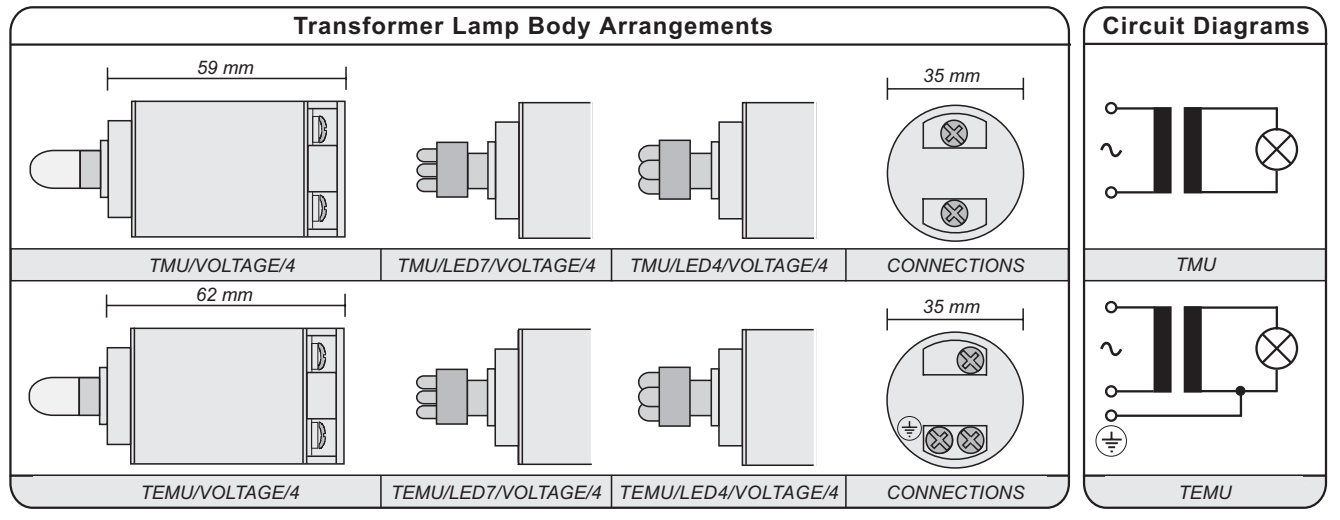
Lamp Caps

BA9s Miniature Bayonet Cap - MBC

Environmental Protection to IP65

Funnel or Turret Shrouds for terminals (see Data Sheet 214).

Additional seals may be necessary for housings and lenses (see Data Sheet 200).



How to derive the correct Product Code

Indicator Body Lamp Product Code



B O D Y	Standard Transformer Lamp Body	TMU
	Standard Transformer Lamp Body with Earthed Secondary	TEMU

L A M P	Standard Filament Lamp 6 V 1.8W (See LAMP VOLTAGES for options)	BLANK	
	LED 7 Cluster 4.5 V AC	RED	LED7R
		AMBER	LED7A
		GREEN	LED7G
		BLUE	LED7B
		WHITE	LED7W
	LED4 Cluster 4.5 V AC	RED	LED4R
		AMBER	LED4A
		GREEN	LED4G
		BLUE	LED4B
		WHITE	LED4W
	LEDM1 4.5 V AC single led lamp	RED	LEDM1R
		AMBER	LEDM1A
		GREEN	LEDM1G
		BLUE	LEDM1B
		WHITE	LEDM1W
LEDM1F 4.5 V AC single led flashing lamp	RED	LEDM1FR	
	AMBER	LEDM1FA	
	GREEN	LEDM1FG	
	BLUE	LEDM1FB	
	WHITE	LEDM1FW	

INPUT VOLTAGES	Standard Voltages available	24 V	24
		50 V	50
		110 V	110
		240 V	240
	Optional Voltages (Others on application)	440 V	440
		550 V	550

LAMP VOLTAGES	Standard	6 V	BLANK
	Non-Standard (See Lamp Data Sheet 201 for further non-standard voltages available).	12 V	12
		24 V	24
		28 V	28

LAMP CAPS	Standard Mini-Screw - MES	BLANK
	Optional Mini-Bayonet - MBC	MBC

TERMINATIONS	Standard 3.5mm captive cable clamp with cover (No Alternatives)	4
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OTHER OPTIONS	400 Hz Operation	Specify after Code
	IP65 Protection - Funnel or Turret Shrouds protect Body Terminals	Specify after Code (see Data Sheet 211)

Example 1
Product Code:-
TMU/LED7R/240/MBC/4

A Standard TMU lamp body, 4.5v MBC red LED 7 lamp cluster and standard screw terminals.
Input: 240Vac, 50/60 Hz.

Example 2
Product Code:-
FHA/TEMU/110/24/4 Blue

A Transformer Indicator lamp with earthed secondary, 24V MES capped filament bulb and standard screw terminals mounted on an FH housing with a blue FA lens.
Input: 110Vac, 50/60 Hz.