# T8 - Magnetic/AC Mains

LED Tubes LT205090/mb-06v03+G13+840+V0240



9W G13 1150lm 4000K Ra80 600mm

### GENERAL DESCRIPTION

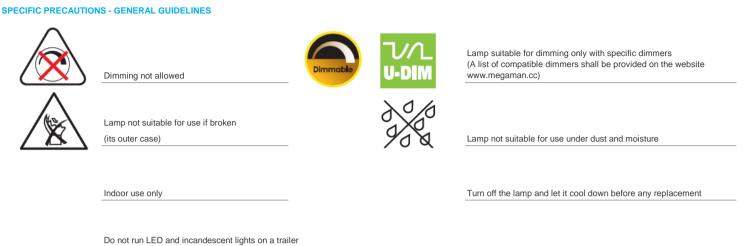
Nodel Number	LT205090/mb-06v03
Product Code	LT205090/mb-06v03+G13+840+V0240
Nodel Identifier	711989/MM11989
Cap Base	G13
Dimmable	No
Norking Temperature	-30°C to +55°C
ECHNICAL PARAMETERS LIFE PERFORMANCE Indicative Lifetime L70B50 (hrs)	30000 at 25°C
Number of Switching Cycles	> 100000
ELECTRICAL DATA	
On-mode Power (W)	9
Input Voltage	220-240 VAC
Frequency	50/60 Hz
Displacement Factor (cos φ1)	0.50
Equivalent Power (W)	N/A
Standby Power (W)	0.0
Networked Standby Power (W)	N/A
Survival Factor	0.90
Lumen Maintenance Factor	0.96
PHOTOMETRIC INFORMATION         Useful Luminous Flux (Im)         Useful Luminous Flux in 90° Cone (Im)         Useful Luminous Flux in 120° Cone (Im)         Correlated Colour Temperature (K)         Colour Consistency         Colour Rendering Index         R9 Colour Rendering Index Value         Beam Angle (*)         Peak Luminous Intensity (cd)         Stroboscopic Effect Metric (SVM)         Flicker Metric (P <sub>st</sub> <sup>LM</sup> )         Chromaticity Coordinates (x and y)	1150         N/A         4000         6         80         0         N/A         N/A         N/A         0.4         1.0         0.376         0.380
ENERGY EFFICIENCY	
Weighted Energy Consumption (kWh/1000hrs)	9
Energy Class	E
CERTIFICATES & STANDARDS Standards Compliance	IEC/EN 62776, IEC/EN 62493, IEC/EN 62471, ErP 2019/2020, IEC 62612, IEC CISPR15, EN 55015, IEC/EN 61547, IEC/EN 61000-3-2, IEC/EN 61000-3-3
Approvals	CE, RoHS
DIMENSIONS & WEIGHT Height (mm)	603
	603 28
Height (mm)	

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For lamps with a weight significantly higher than that of the lamps for which they are a replacement, attention should be drawn to the fact that the increased weight may reduce the mechanical stability of certain luminaires and lamp holders and may impair contact making and lamp retention.

#### **TESTING CONDITIONS**

Refer to Annex A of IEC 62612 method of measuring lamp characteristics Light output and life hour are measured at 25°C, 230V

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#### **CALCULATIONS - GENERAL RULES**

Refer to Annex II of Energy Labelling (EU) 2019/2015

#### Energy efficiency classes and calculation method

The energy efficiency class of light sources shall be determined as set out in Table 1, on the basis of the total mains efficacy  $\eta_{TM}$ , which is calculated by dividing the declared useful luminous flux  $\Phi_{use}$  (expressed in *Im*) by the declared on-mode power consumption  $P_{on}$  (expressed in *W*) and multiplying by the applicable factor FTM of Table 2, as follows:

#### ηTM = (Φuse/Pon) × FTM (Im/W)

	Table 1	
Energy efficiency classes of light sources		
Energy efficiency class	Total mains efficacy ηTM (Im/W)	
А	210 ≤ ηTM	
В	185 ≤ ηTM < 210	
С	160 ≤ ηTM < 185	
D	135 ≤ ηTM < 160	
E	110 ≤ ηTM < 135	
F	85 ≤ ηTM < 110	
G	ηTM < 85	

#### Table 2

Factors FTM by light source type		
Light source type	Factor FTM	
Non-directional (NDLS) operating on mains (MLS)	1,000	
Non-directional (NDLS) not operating on mains (NMLS)	0,926	
Directional (DLS) operating on mains (MLS)	1,176	
Directional (DLS) not operating on mains (NMLS)	1,089	

#### **ADDITIONAL PART**

A list of compatible dimmers shall be provided on the website www.megaman.cc

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