# T8 - Magnetic/AC Mains



LT205180/mb-12v02+G13+840+V0240



18W G13 1800lm 4000K Ra80 1200mm

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Model Number	LT205180/mb-12v02
Product Code	LT205180/mb-12v02+G13+840+V0240
Model Identifier	711834/MM11834-1
Cap Base	G13
Dimmable	No
Working Temperature	-30°C to +45°C

### TECHNICAL PARAMETERS

### LIFE PERFORMANCE

Indicative Lifetime L70B50 (hrs)	15000	at 25°C
Number of Switching Cycles	> 100000	

### **ELECTRICAL DATA**

On-mode Power (W)	18	
Input Voltage	220-240 VAC	
Frequency	50/60 Hz	
Displacement Factor (cos φ1)	0.70	
Equivalent Power (W)	N/A	
Standby Power (W)	0.0	
Networked Standby Power (W)	N/A	
Survival Factor	0.90	
Lumen Maintenance Factor	0.93	

### PHOTOMETRIC INFORMATION

Useful Luminous Flux (Im)	1800
Useful Luminous Flux in 90° Cone (Im)	N/A
Useful Luminous Flux in 120° Cone (Im)	N/A
Correlated Colour Temperature (K)	4000
Colour Consistency	6
Colour Rendering Index	80
R9 Colour Rendering Index Value	0
Beam Angle (°)	N/A
Peak Luminous Intensity (cd)	N/A
Stroboscopic Effect Metric (SVM)	0.4
Flicker Metric (P <sub>st</sub> <sup>LM</sup> )	1.0
Chromaticity Coordinates (x and y)	0.376 0.380

### **ENERGY EFFICIENCY**

Weighted Energy Consumption (kWh/1000hrs)	18
Energy Class	F

### **CERTIFICATES & STANDARDS**

Approvals	CE, RoHS
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

## DIMENSIONS & WEIGHT

Height (mm)	1212
Width (mm)	28
Depth (mm)	28
Weight (g)	210

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LED Tubes

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### **SPECIFIC PRECAUTIONS - GENERAL GUIDELINES**

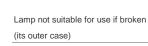


Dimming not allowed





Lamp suitable for dimming only with specific dimmers (A list of compatible dimmers shall be provided on the website www.megaman.cc)





Lamp not suitable for use under dust and moisture

Indoor use only

Turn off the lamp and let it cool down before any replacement

Do not run LED and incandescent lights on a trailer

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 lm) by the declared on-mode power consumption  $P_{on}$  (expressed in W) and multiplying by the applicable factor FTM of Table 2, as follows:

 $\eta TM = (\Phi use/Pon) \times FTM (Im/W)$ 

Table 1
Energy efficiency classes of light sources

Energy emolency diasses of light sources		
Energy efficiency class	Total mains efficacy ηTM (Im/W)	
A	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

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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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