# Clusterlite

# **Special Applications**

LH201080-OPv00+E40+840+V0240



164W/80W E40 11500lm 4000K Ra80 Non-Dim

GENERAL	DESCRIPTION	

Model Number	LH201080-OPv00
Product Code	LH201080-OPv00+E40+840+V0240
Model Identifier	709084/MM09084
Cap Base	E40
Dimmable	No
Working Temperature	-30°C to +40°C

# TECHNICAL PARAMETERS

# LIFE PERFORMANCE

Indicative Lifetime L70B50 (hrs)	50000	at 25°C
Number of Switching Cycles	> 100000	

### **ELECTRICAL DATA**

On-mode Power (W)	80	
Input Voltage	220-240 VAC	
Frequency	50/60 Hz	
Displacement Factor (cos φ1)	0.90	
Equivalent Power (W)	164	
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)	11500	
Useful Luminous Flux in 90° Cone (lm)	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)	0.5	
Flicker Metric (P <sub>st</sub> <sup>LM</sup> )	1.0	
Chromaticity Coordinates (x and y)	0.382 0.380	

# ENERGY EFFICIENCY

Weighted Energy Consumption (kWh/1000hrs)	80
Energy Class	D

### **CERTIFICATES & STANDARDS**

Standards Compliance	IEC/EN 62560, 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)	265
Width (mm)	80
Depth (mm)	80
Weight (g)	689



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

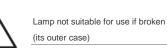


Dimming not allowed





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 lm) 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 eniciency classes 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	
Е	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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