

GX53

Special Applications

LR209049-OPv00-ND+GX53+865+V0240



43W/4.9W GX53 520lm 6500K Ra80 Non-Dim

GENERAL DESCRIPTION

| | |
|---------------------|----------------------------------|
| Model Number | LR209049-OPv00-ND |
| Product Code | LR209049-OPv00-ND+GX53+865+V0240 |
| Model Identifier | 708904/MM08904 |
| Cap Base | GX53 |
| Dimmable | No |
| Working Temperature | -30°C to +40°C |

TECHNICAL PARAMETERS

LIFE PERFORMANCE

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

ELECTRICAL DATA

| | |
|------------------------------|-------------|
| On-mode Power (W) | 4.9 |
| Input Voltage | 220-240 VAC |
| Frequency | 50/60 Hz |
| Displacement Factor (cos φ1) | 0.50 |
| Equivalent Power (W) | 43 |
| 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 (lm) | 520 |
| Useful Luminous Flux in 90° Cone (lm) | N/A |
| Useful Luminous Flux in 120° Cone (lm) | N/A |
| Correlated Colour Temperature (K) | 6500 |
| 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 _{st} ^{LM}) | 1.0 |
| Chromaticity Coordinates (x and y) | 0.329 0.342 |

ENERGY EFFICIENCY

| | |
|---|---|
| Weighted Energy Consumption (kWh/1000hrs) | 5 |
| Energy Class | F |

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) | 24 |
| Width (mm) | 75 |
| Depth (mm) | 75 |
| Weight (g) | 32 |

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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 if broken
(its outer case)

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

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 η_{TM} , which is calculated by dividing the declared useful luminous flux Φ_{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:

$$\eta_{TM} = (\Phi_{use}/P_{on}) \times FTM \text{ (lm/W)}$$

Table 1

Energy efficiency classes of light sources

| Energy efficiency class | Total mains efficacy η_{TM} (lm/W) |
|-------------------------|---|
| A | $210 \leq \eta_{TM}$ |
| B | $185 \leq \eta_{TM} < 210$ |
| C | $160 \leq \eta_{TM} < 185$ |
| D | $135 \leq \eta_{TM} < 160$ |
| E | $110 \leq \eta_{TM} < 135$ |
| F | $85 \leq \eta_{TM} < 110$ |
| G | $\eta_{TM} < 85$ |

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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