5 Years
Product Warranty
UK Only

# Mauna 3 Plus Fixed

Kosnic
LIGHTING • SIMPLY BETTER

08629 MAU306PL

## Mauna 3 Plus Fixed firerated Downlight 4.5/6W CCT switchable

- Integrated dimmable driver
- Can be installed under Insulation layer
- Interchangeable magnetic bezels with different finishes
- Compact size with void of only 48mm
- CCT switchable with 4 choices
- Acoustically rated in accordance with BS EN ISO 10140-2:2021 and BS EN ISO 10140-3:2021





## Overview

The Mauna Plus range as well as having the fire rating, ability to be installed under insulation, and low void clearance. With wattage switching and a CCT options. Also anti-glare, and tilting options. With the magnetic bezels the Mauna Plus range doesn't put functionality at the cost of aesthetics.

IP65

## General Information

| | |
|---|---|
| Ambient Temperature Range (°C) | -30°C to 50°C |
| IK Rating | IK07 |
| IP Rating | IP65 |
| Protection Rating | Class I |
| Installation Area | Internal |
| L80B10 Lifetime (h) @Ta 25 °C | 50,000 h |

## Compliance

| | |
|---|---|
| LVD | EN 60598-1:2024, EN 60598-2-2:2012, EN 62471:2008, EN 62493:2015+A1:2022 |
| EMC | EN 55015:2019+A11:2020, EN 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 61547:2023 |
| Others | UKCA, CE, RoHS, WEEE |

| Technical Summary | |
|---|---|
| Product Code | MAU306PL |
| Input Voltage Supply | 220-240Vac 50/60Hz |
| Inrush Current (peak/duration) (A) | 10A/150µs |
| Fire Rating | 30m I Joist, 60m I Joist, 90m Solid Joist |
| Settable Wattages | 4.5W, 6W |
| Settable Colour Temperatures | 2700K, 3000K, 4000K, 6000K |
| CRI | ≥82 |
| Dimmable | Y |
| Lumens Output Maximum | 690 lm |
| Maximum Efficiency | 115 lm/W |
| Emergency Luminous Flux | 150 lm |
| L70B50 Lifetime (h) @Ta 25 °C | 50,000 h |
| L80B10 Lifetime (h) @Ta 25 °C | 50,000 h |
| L90B10 Lifetime (h) @Ta 25 °C | 37,000 h |
| Nominal Lifetime (h) | 50,000 h |
| Glow wire temperature(°C) | 650 |
| Blue Light Hazard | RG1 |
| Weight | 0.19Kg |
| Dimensions (L x W x D) (mm) | 46x∅86 |
| Cut-Out (mm) | ∅64mm |
| Ceiling Void (mm) | 48 mm |
| Beam Angle - Lumi (°) | 65 |
| LS Energy Efficiency Class | F |

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## Optional Gear

| Product Code | Description | Type |
|---|---|---|
| EMPAD01 | Neka Emergency Downlight kit 2.5W Manual test | Emergency Module |
| EMPAD01/SST | Neka Duo Emergency Downlight kit 2.5W Manual & Self-test | Emergency Kit |
| MAUPIR | Mauna fire rated PIR Sensor recessed ON/OFF dim output | PIR Sensor |
| MAUPIR/D-RMT: XXXXX | Mauna fire rated PIR phase-cut output, remote included | |
| CYDIMRFT1 | Easylink RF controlled AC triac wireless dimmer | Dimmable Driver |
| RMT-UNI | Universal Remote Control for Kosnic motion sensors | Remote Control |

## Accessories

| Product Code | Description | Type |
|---|---|---|
| MAUBZ-BAS | Mauna Round Magnetic bezel Brass | Bezel |
| MAUBZ-BLK | Mauna Round Magnetic bezel Black | Bezel |
| MAUBZ-WHT | Mauna Round Magnetic bezel White | Bezel |
| MAUBZ-CHM | Mauna Round Magnetic bezel Polished chrome | Bezel |
| MAUBZ-SCH | Mauna Round Magnetic bezel Satin Chrome | Bezel |
| MAUBZ-ABR | Mauna Round Magnetic bezel Antique brass | Bezel |
| MAUBZ-BBR | Mauna Round Magnetic bezel Brushed Brass | Bezel |
| MAUBZ-BNI | Mauna Round Magnetic bezel Black Nickel | Bezel |
| MAUBZ-AGR | Mauna Round Magnetic bezel Anthracite Grey | Bezel |
| MAUBZ-SBAS | Mauna Square Magnetic bezel, Brass | Bezel |
| MAUBZ-SBLK | Mauna Square Magnetic bezel, Black | Bezel |
| MAUBZ-SWHT | Mauna Square Magnetic bezel, White | Bezel |
| MAUBZ-SCHM | Mauna Square Magnetic bezel, Chrome | Bezel |
| MAUBZ-SSCH | Mauna Square Magnetic bezel, Satin Chrome | Bezel |
| MAUBZ-SABR | Mauna Square Magnetic bezel Antique Brass | Bezel |

## Overview

The Mauna Plus range as well as having the fire rating, ability to be installed under insulation, and low void clearance. With wattage switching and a CCT options. Also anti-glare, and tilting options. With the magnetic bezels the Mauna Plus range doesn't put functionality at the cost of aesthetics.






## General Information

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| Ambient Temperature Range (°C) | -30°C to 50°C |
| IK Rating | IK07 |
| IP Rating | IP65 |
| Nominal Lifetime (h) | 50,000 h |
| Protection Rating | Class I |
| Installation Area | Internal |

| Settable (Default in Bold) | Variable | | | | | | |
|---|---|---|---|---|---|---|---|
| **Rated Power (W)** | **CCT (K)** | **Maximum Current Draw (mA)** | **Power Factor** | **Total Luminous Flux (lm)** | **LS Energy Consumption in on-mode (kWh/1000H)** | **LS Useful Luminous Flux (lm)** | **LS On-Mode Power (Pon) (W)** |
| 6 | 2700 | 30 | 0.88 | 580 | 6 | 450 | 6 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **6** | **3000** | **30** | **0.88** | **640** | **6** | **490** | **6** |
| 6 | 4000 | 30 | 0.88 | 690 | 6 | 530 | 6 |
| 6 | 6000 | 30 | 0.88 | 650 | 6 | 500 | 6 |
| 4.5 | 2700 | 23 | 0.86 | 460 | 5 | 360 | 4.5 |
| 4.5 | 3000 | 23 | 0.86 | 480 | 5 | 380 | 4.5 |
| 4.5 | 4000 | 23 | 0.86 | 510 | 5 | 410 | 4.5 |
| 4.5 | 6000 | 23 | 0.86 | 490 | 5 | 390 | 4.5 |
| **Rated Power (W)** | **CCT (K)** | **LS Chromaticity Co-Ordinates (X)** | **LS Chromaticity Co-Ordinates (Y)** | **LS Peak Luminous Intensity (DLS) (cd)** | **LS R9 CRI (LED/OLED)** | **LS Displacement Factor** | **LS Storboscopic effect metric (SVM) (x,x)** |
| 6 | 2700 | 0.467 | 0.4236 | 420 | 8 | 0.96 | 0.5 |
| **6** | **3000** | **0.4375** | **0.4054** | **460** | **16** | **0.96** | **0.7** |
| 6 | 4000 | 0.3837 | 0.3729 | 510 | 28 | 0.96 | 0.4 |
| 6 | 6000 | 0.3177 | 0.3338 | 480 | 12 | 0.96 | 0.502 |
| 4.5 | 2700 | 0.467 | 0.4236 | 330 | 8 | 0.92 | 0.466 |
| 4.5 | 3000 | 0.4375 | 0.4054 | 350 | 16 | 0.92 | 0.658 |
| 4.5 | 4000 | 0.3837 | 0.3729 | 390 | 28 | 0.92 | 0.44 |
| 4.5 | 6000 | 0.3177 | 0.3338 | 380 | 12 | 0.92 | 0.502 |

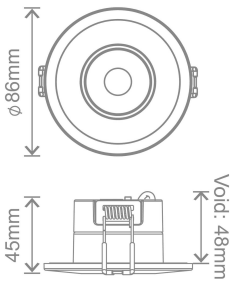
## Overview

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