

# Mauna 3 Plus Fixed

08629 MAU306PL

## Mauna 3 Plus Fixed fire-rated 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)	46xØ86
Cut-Out (mm)	Ø64mm
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 recessed PIR ON/OFF sensor	PIR Sensor
MAUPIR/D-RMT: XXXXX	Mauna fire rated PIR phase-cut output, remote included	
CYDIMRFT1	RF controlled triac 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

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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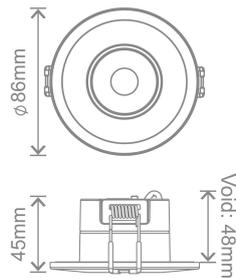
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<b>6</b>	<b>3000</b>	<b>30</b>	<b>0.88</b>	<b>640</b>	<b>6</b>	<b>490</b>	<b>6</b>
6	4000	30	0.88	690	6	530	6
6	6000	30	0.88	650	6	500	6
4.5	2700	23	0.86	460	5	360	4.5
4.5	3000	23	0.86	480	5	380	4.5
4.5	4000	23	0.86	510	5	410	4.5
4.5	6000	23	0.86	490	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 Stroboscopic effect metric (SVM) (x,x)
6	2700	0.467	0.4236	420	8	0.96	0.5
<b>6</b>	<b>3000</b>	<b>0.4375</b>	<b>0.4054</b>	<b>460</b>	<b>16</b>	<b>0.96</b>	<b>0.7</b>
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



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