



Mauna II

Mauna II 6W LED fire rated downlight CCT Switchable

The Kosnic Mauna II 6W Dimmable Fire Rated Downlights are suitable for 30, 60 and 90 minute applications and may be installed under insulation. These compact downlights can be dimmed with mains dimmer switches and have a choice of interchangeable magnetic bezels with different finishes. The white bezel is supplied as standard.

MAU206 (06807)

Specification

Voltage	220-240Vac 50-60Hz
Current (mA)	29
Rated Power (W)	6
CCT Words	Warm White (Cool White, Day Light)
CCT (K)	3000 (4000, 6000)
Total Luminous Flux (lm)	590 (640, 590)
Nominal Lifetime (h)	50000
L70B50 Lifetime (h)	50000
L80B10 Lifetime (h)	50000
L90 Lifetime (h)	37000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
Power Factor	0.9
Cut-Out (mm)	64
Ambient Temperature Range (°C)	-30 to 40
Weight (kg)	0.2
In-rush current (peak/duration) (A)	10A / 150µs
Protection Rating	Class I
IK Rating	IK07
IP Rating	IP65

Light Source Specification

Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	DLS
Light Source Cap Type (or other interface)	Terminal
Mains / Non-Mains (MLS/NMLS)	MLS
Connected Light source (Y/N)	N
Colour Tunable Light Source (Y/N)	N
High Luminance Light Source (Y/N)	N

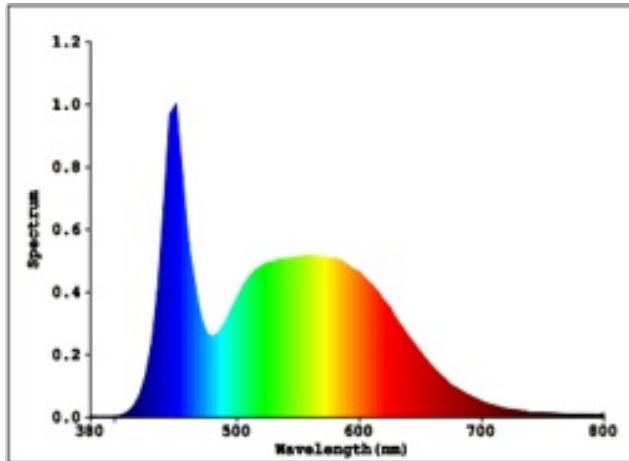
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	Y
Energy Consumption in on-mode (kWh/1000H)	6
Energy Efficiency Class	F
Useful Luminous Flux (lm)	460 (500, 460)
Beam Angle correspondence (in 360°/120°/90°)	in 90°
CCT	3000/4000/6000
On-Mode Power (Pon) (W)	6
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
CRI (min)	80
CRI (max)	84
Height (mm)	55
Width (mm)	86
Depth (mm)	86
Claim of Equivalent Power? (Y/N)	N
Equivalent Power (W)	N/A
Chromaticity Co-Ordinates (X)	0.437 (0.378, 0.315)
Chromaticity Co-Ordinates (Y)	0.405 (0.365, 0.331)
Peak Luminous Intensity (DLS) (cd)	460 (495, 445)
Beam Angle (DLS)	65
Beam Angle (min)(DLS)	60
Beam Angle (max) (DLS)	70
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	0.9
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	6
LED light source replaces fluorescent without integrated ballast of particular wattage (Mains LED/OLED) (Y/N)	N
Replacement W Claim (Mains LED/OLED) (W)	N/A

Flicker metric (pst LM) (x,x)	0.1
Stroboscopic effect metric (SVM) (x,x)	0.5 (0.8, 0.5)

Optional Gears and Accessories

Optional Gears 1	Neka Emergency Kit EMPAD01
Accessories 1	Brass magnetic Bezel KPT-60DFBZ-BAS
Accessories 2	Round Matt Black Bezel KPT-60DFBZ-BLK
Accessories 3	Round Matt White Bezel KPT-60DFBZ-WHT
Accessories 4	Round Chrome Bezel KPT-60DFBZ-CHM
Accessories 5	Round Satin Chrome Bezel KPT-60DFBZ-SCH
Accessories 6	Round Antique Brass Bezel KPT-60DFBZ-ABR
Accessories 7	Square Brass Bezel KPT-60DFBZ-SBAS
Accessories 8	Square Matt Black bezel KPT-60DFBZ-SBLK
Accessories 9	Square Matt White bezel KPT-60DFBZ-SWHT
Accessories 10	Square Polished Chrome bezel KPT-60DFBZ-SCHM
Accessories 11	Square Satin Chrome bezel KPT-60DFBZ-SSCH
Accessories 12	Square Antique Brass bezel KPT-60DFBZ-SARB

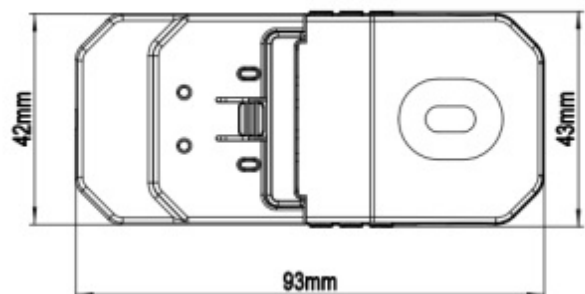
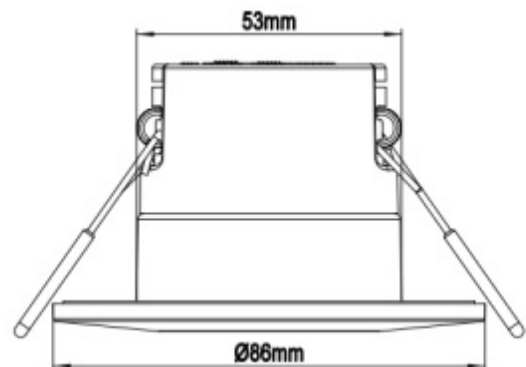
Technical Drawings



6000k

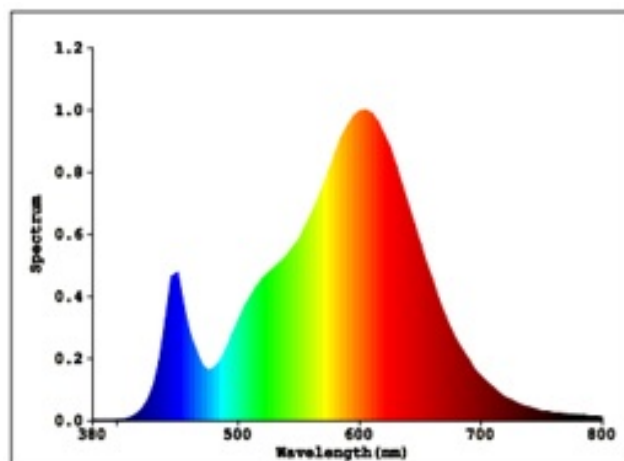
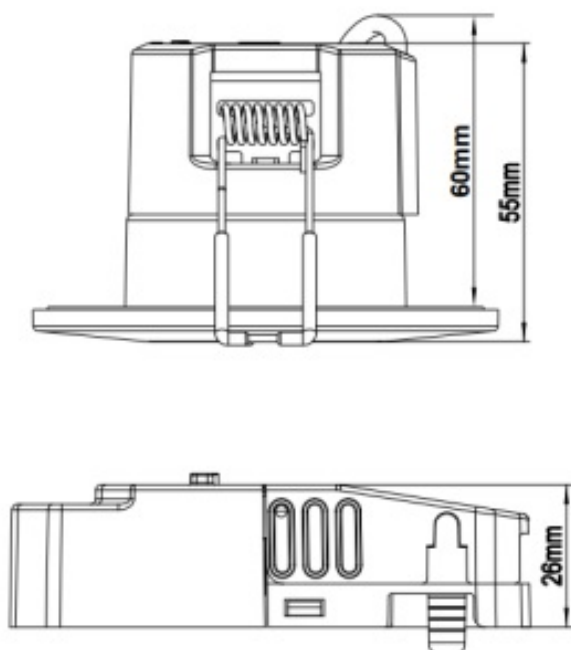
Dimming Compatibility

The operation of common mains voltage AC dimmers appears similar, but the electrical characteristics vary significantly. While this makes no difference to filament lamps, the effect on the electronics within the LED driver can be dramatic and incompatible. The recommendations given are based on laboratory testing of the volume shown and should be used as guidance. The complicated application environment and huge variation in dimmer construction mean it is not possible to guarantee that a particular dimmer will work perfectly. In extreme cases incompatible dimmer switches may damage the LED drivers. Please ensure that the set-up is tested for performance before committing to a large project.

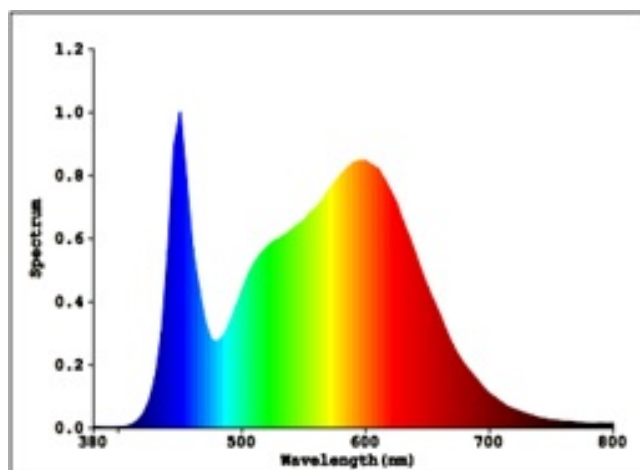


Recommended Dimmer Switches:

Manufacturer	Model	Marked Rating	Notes
Aurora	AU-DSP400X	400W	1 to 15 lamps. Approximately 90% dimming.
BG	DM400AP	5-50W LED	1 to 15 lamps. Approximately 80% dimming.
CYANIRIS	CYDIMRFT1 (Remote)	2 x 288W	1 to 15 lamps. Approximately 95% dimming.
Danlers	DQDGD MK	400W	2 to 15 lamps. Approximately 80% dimming.
Hamilton	LEDITB100	100W	1 to 15 lamps. Approximately 95% dimming.
Hamilton	H-LEDSTAT-GR	100W	1 to 15 lamps. Approximately 95% dimming.
Hamilton	L400/2 (or N4002)	400W	1 to 15 lamps. Approximately 55% dimming.
MK	K1534RP***	250W	1 to 15 lamps. Approximately 80% dimming.
Robus	LOADPRO RLA200DT-01	133W	1 to 15 lamps. Approximately 95% dimming.
Varilight	Eclique (JDQI401S)	400W	2 to 15 lamps. Approximately 75% dimming.
Varilight	LEDLite (VLLQ1W from TLC)	120W	1 to 15 lamps. Approximately 80% dimming.
Varilight	V-Dim	400W	2 to 15 lamps. Approximately 60% dimming.
Varilight	V-Pro	100W LED	1 to 15 lamps. Approximately 95% dimming.
Zano	ZGRID500	50W LED	1 to 15 lamps. Approximately 80% dimming.



3000k



4000k