



Brass, Matt Black, Matt White,
Polished Chrome, Satin Chrome
& Antique Brass

Interchangeable bezels
sold separately



Brass, Matt Black, Matt White,
Polished Chrome, Satin Chrome
& Antique Brass

Interchangeable bezels
sold separately

Mauna

Mauna 5W LED fire rated downlight with interchangeable magnetic bezel 4000K

The Kosnic Mauna 5W 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.

MAU05-S40 ()

Specification

Current (mA)	24
Rated Power (W)	5
CCT Words	Cool White
CCT (K)	4000
Total Luminous Flux (lm)	560
Nominal Lifetime (h)	50000
L70B50 Lifetime (h)	50000
L80B10 Lifetime (h)	50000
L90 Lifetime (h)	32000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
Power Factor	0.9
Dimensions L x W x D (mm)	74mm*φ88mm
Cut-Out (mm)	64mm
Weight (kg)	0.155
Ambient Temperature Range (°C)	-30 to 40
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

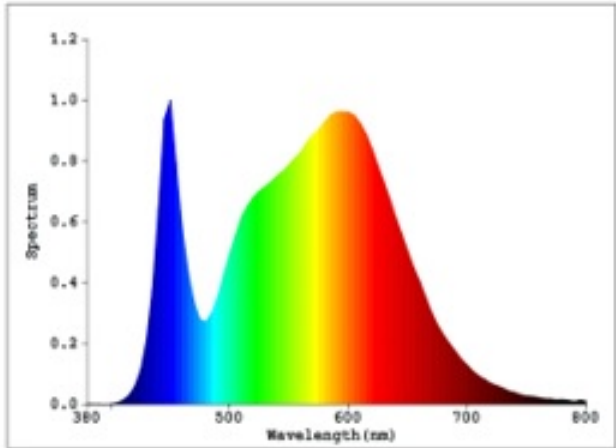
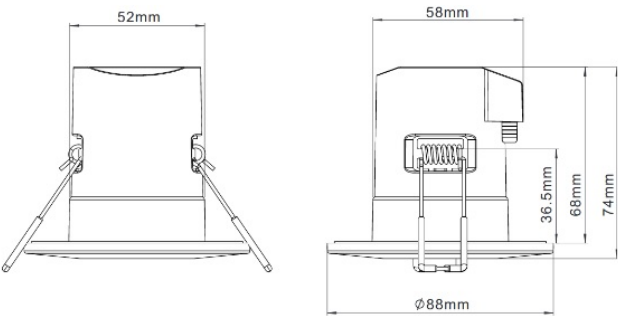
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	Y
Energy Consumption in on-mode (kWh/1000H)	5
Energy Efficiency Class	E
Useful Luminous Flux (lm)	490
Beam Angle correspondence (in 360°/120°/90°)	in 90°
CCT	4000
On-Mode Power (Pon) (W)	5
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
CRI (min)	80
CRI (max)	84
Height (mm)	74
Width (mm)	88
Depth (mm)	88
Claim of Equivalent Power? (Y/N)	N
Equivalent Power (W)	N/A
Chromaticity Co-Ordinates (X)	0.378
Chromaticity Co-Ordinates (Y)	0.378
Peak Luminous Intensity (DLS) (cd)	820
Beam Angle (DLS)	45
Beam Angle (min)(DLS)	40
Beam Angle (max) (DLS)	50
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)	0.03
Stroboscopic effect metric (SVM) (x,x)	0.8

Optional Gears and Accessories

Optional Gears 1	CEL03LIC/N
Optional Gears 2	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



4000K

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 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 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
CYANIRIS	CYDIMRFT1 (Remote)	2 x 288W	1 to 20 lamps. Approximately 95% dimming.
Hamilton	LEDITB100	100W	1 to 20 lamps. Approximately 95% dimming.
Hamilton	H-LEDStat/GRID100LED	100W	1 to 20 lamps. Approximately 85% dimming.
Robus	LOADPRO RLA200DT-01	133W	1 to 20 lamps. Approximately 90% dimming.
Varilight	V-Pro	100W LED	1 to 20 lamps. Approximately 95% dimming.
Zano	ZGRIDLED	250W LED	1 to 20 lamps. 100% dimming.