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Interchangeable bezels
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CCT switch accessible at
the front of the fitting, under
the magnetic bezel.

Mauna Pro

Mauna Pro 7W Dimmable fire rated downlight

The Kosnic Mauna Pro 7W dimmable fire rated downlights are suitable for 30, 60 and 90 minute applications. They have a switchable CCT of 3000k, 4000k or 6000k, so you can select from a range of colour temperatures. There is also a choice of interchangeable magnetic bezels with different finishes.

MAU07PR (06499)

Specification

Voltage	220-240Vac 50/60Hz
Current (mA)	32
Rated Power (W)	7
CCT Words	Warm White (Cool White, Day Light)
CCT (K)	3000 (4000, 6000)
Total Luminous Flux (lm)	640 (690, 610)
L70B50 Lifetime (h)	50000
L80B10 Lifetime (h)	50000
L90 Lifetime (h)	32000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
Power Factor	0.95
Ambient Temperature Range (°C)	-30 to 40
Weight (kg)	0.25
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)	Connector
Mains / Non-Mains (MLS/NMLS)	NMLS
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)	490 (530, 470)
Beam Angle correspondence (in 360°/120°/90°)	in 90°
CCT	3000 (4000, 6000)
On-Mode Power (Pon) (W)	5.5
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
CRI (min)	80
CRI (max)	84
Height (mm)	50
Width (mm)	88
Depth (mm)	88
Claim of Equivalent Power? (Y/N)	N
Equivalent Power (W)	N/A
Chromaticity Co-Ordinates (X)	0.4464 (0.3741, 0.3141)
Chromaticity Co-Ordinates (Y)	0.4046 (0.368, 0.3391)
Peak Luminous Intensity (DLS) (cd)	560 (610, 550)
Beam Angle (DLS)	55
Beam Angle (min)(DLS)	52
Beam Angle (max) (DLS)	58
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	N
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	N
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)	N/A
Stroboscopic effect metric (SVM) (x,x)	N/A

Light Source Supply	18Vdc 310mA
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Optional Gears and Accessories

Optional Gears 1	CYC030TDC30-90
Optional Gears 2	UEM02
Optional Gears 3	UEM02/ST
Optional Gears 4	EMPAD01
Accessories 1	RF Controlled Triac Dim Module CYDIMRFT1
Accessories 2	Bezel KPT-06DFBZ-BAS
Accessories 3	Bezel KPT-06DFBZ-BLK
Accessories 4	Bezel KPT-06DFBZ-WHT
Accessories 5	Bezel KPT-06DFBZ-CHM
Accessories 6	Bezel KPT-06DFBZ-SCH
Accessories 7	Bezel KPT-06DFBZ-ABR

Technical Drawings

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
Aurora	AU-DSF400X	400W	1 to 10 lamps. Approximately 70% dimming.
CYANIRIS	CYDIMRFT1 (Remote)	2 x 288W	1 to 14 lamps. 100% dimming.
Danlers	DQDGD MK	400W	1 to 10 lamps. Approximately 85% dimming.
Hamilton	LEDITB100	100W	1 to 14 lamps. 100% dimming.
Hamilton	HLLEDStatGRID100LED	100W	1 to 14 lamps. Approximately 95% dimming.
Robus	LOADPRO RLA200DT-01	133W	2 to 14 lamps. Approximately 95% dimming.
Varilight	Eclique (JDQ401S)	400W	1 to 10 lamps. Approximately 85% dimming.
Varilight	V-Pro	100W LED	1 to 14 lamps. 100% dimming.
Zano	ZGRIDLED	250W LED	1 to 14 lamps. 100% dimming.



