

Mauna Plus Tilt

6W Dimmable Fire Rated Downlight with Bezel Finish Options



Switchable CCT

3000K/4000K/6000K

Fire Rated

30, 60 and 90 Minutes

5 Year

Standard Warranty

CRI \geq 80

Up to 100lm/W

50,000h

Overview

The tilting Kosnic 6W Dimmable Fire Rated Downlights are suitable for 30, 60 and 90 minute applications. They have a switchable CCT function so that the installer can select 3000K, 4000K or 6000K. The downlights are also dimmable with mains dimmer switches and have a choice of additional bezel colours. The standard versions are available in a white finish with white rim or a satin chrome bezel version with black rim.

Features

- Colour temperature selection: 3000K, 4000K and 6000K
- Dimmable
- IP65
- Class I built-in driver
- BS 476 Part 21 / BS EN 1365-2 Fire-Rated to 30, 60 and 90 minutes
- Compatible with Kosnic's emergency module
- Choice of additional magnetic bezel finishes
- Supplied as either white with white rim or satin chrome bezel with black rim
- Can be installed under insulation
- High lumen output
- Long life of 50,000h
- Instant start
- Negligible UV output

Specifications

Product Code	MAU06Tx (KFDL06DTx.SCT-xxx)
Voltage	220-240Vac 50/60Hz
Current	30mA
Rated Power	6W
Power Factor	0.88
In-rush current	0.1A / 40µs
Luminous Flux	640lm/690lm/610lm (3000k/4000k/6000k)
Lifetime (L70B50)	50000 h
Lifetime (L80B20)	50000 h
Blue Light Hazard	RG1
Glow Wire Temperature	650 °C
Dimensions (LxWxD)mm	87 x 92 x 92
Protection	Class I, IP65
Lighting Technology used	LED
Directional / Non-Directional	DLS
Cap Type / interface	Terminal
Mains / Non-Mains	MLS
Connected Light Source	No
Colour Tuneable Lightsource	No
High luminance light source	No
Anti-glare shield	No
Dimmable	Yes
CCT	3000k/4000k/6000k
Energy Consumption in on-mode (kWh/1000h)	6
Energy Efficiency Class	F
Useful Luminous Flux	490lm (3000k) 530lm (4000k) 470lm (6000k)
Beam Angle Correspondence	90°
On-mode power (Pon)	6W
Standby power (Psb)	0W
Networked standby power (Pnet) (CLS)	N/A
CRI	82
Claim of equivalent power	No
Equivalent power	N/A
Chromacity Coordinates	0.441(x), 0.406(y) (3000k) 0.379(x), 0.370(y) (4000k) 0.320(x), 0.337(y) (6000k)
Peak luminous intensity (DLS)	460 (3000k) 495 (4000k) 445 (6000k)
Beam angle (DLS)	65°
R9 CRI value (LED/OLED)	3 (3000k) 19 (4000k) 38(6000k)
Survival Factor	0.9
Lumen maintenance factor	0.96
Displacement factor(Mains LED/OLED)	0.88
Colour consistency in mcdam ellipses (Mains LED/OLED)	6
LED light source rep. a fluorescent light source without integrated ballast of a particular wattage? (Mains LED/OLED)	N
Rep. W claim (MainsLED/OLED)	N/A
Flicker (pst LM) (Mains LED/OLED)	0.07
Stroboscopic effect metric (SVM)	0.291
Ambient Temperature	-30 to 40 °C
Emergency Luminous Flux	120lm (with CEL03LIC/N)

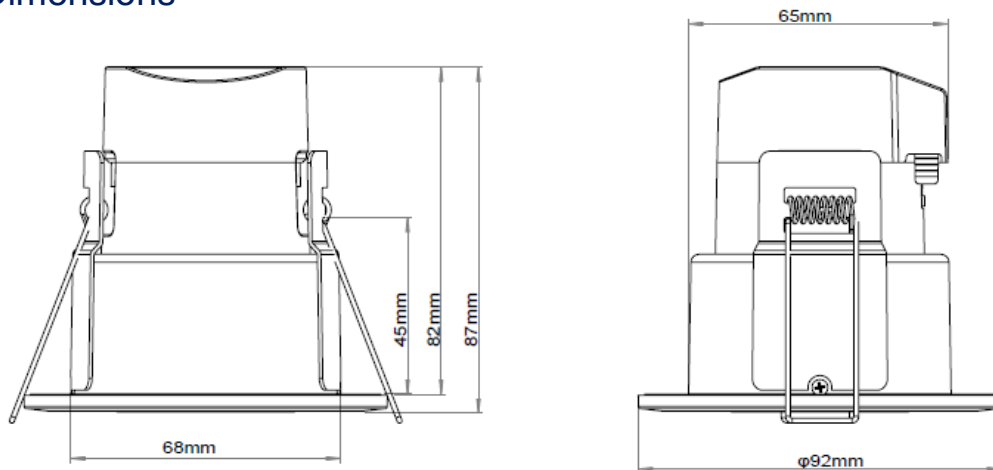
Order Codes

Description	Order Code
Downlight in white with white rim	MAU06TW (KFDL06DTW/SCT-WHT)
Downlight with satin chrome bezel and black rim	MAU06TB (KFDL06DTB/SCT-SCH)

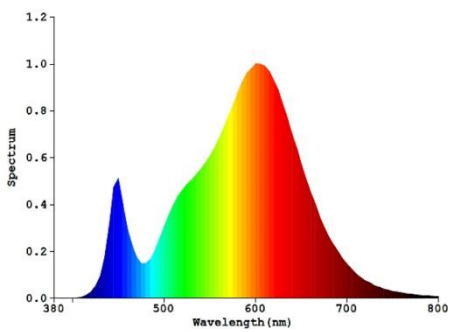
Accessories

Description	Order Code	
Emergency module	CEL03LIC/N	Three hour rated Li-Ion emergency module
Brass magnetic bezel	KPT-06DTBZ-BAS	
Antique Brass magnetic bezel	KPT-06DTBZ-ABR	
Matt black magnetic bezel	KPT-06DTBZ-BLK	
Polished chrome magnetic bezel	KPT-06DTBZ-CHM	
Satin chrome magnetic bezel	KPT-06DTBZ-SCH	
White magnetic bezel	KPT-06DTBZ-WHT	

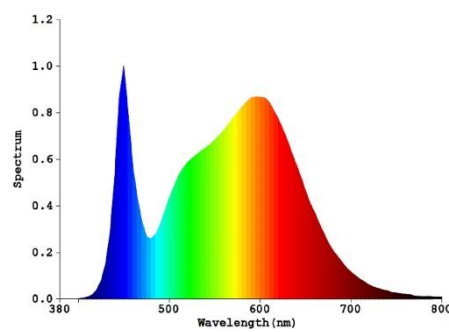
Dimensions



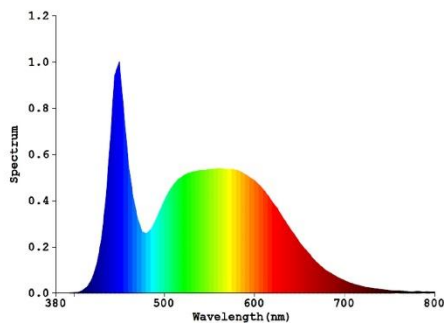
Photometric Information



3000K



4000K



6000K

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.
Click	CMA145 (or MD9022)	250W	2 to 15 lamps. Approximately 65% 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/GRID100LED	100W	1 to 15 lamps. Approximately 95% dimming.
Hamilton	L400/2 (or N4002)	400W	1 to 15 lamps. Approximately 55% dimming.
MK	K1523***LV (Logic Plus)	4-70W LED	1 to 10 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	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.
Zano	ZGRIDLED	250W LED	1 to 15 lamps. Approximately 95% dimming.