

# ML45

TRIMLESS



## MONOLINE-ML45

An extruded aluminium profile finished in matt white, with opal diffuser. Designed to create concealed, indirect, lighting details around the perimeter of the room, producing an even wash of light with a knife-edge finish to the ceiling/wall.

Each PCB module has an on-board Integrated Controller (IC), for precise constant current control, whilst a Schottky diode provides reverse polarity protection.

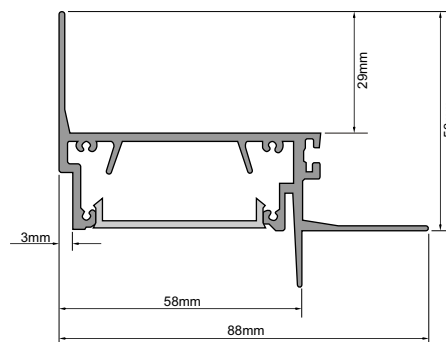
A wide range of LED options are available, with a choice of Nichia, Osram and Lumileds LED, with colour temperatures from 2000K ~ 4000K and power outputs ranging from 9.6w/m ~ 19.2w/m. Available in single lengths up to 3000mm, with 50mm (C140) or 62.5mm (N112) PCB module sizes.



## TECHNICAL

<b>Input voltage:</b>	24VDC [22.5~25VDC]
<b>Current control:</b>	On-board integrated controller (IC)
<b>Reverse voltage protection:</b>	On-board Schottky diode
<b>Operating temperature (Ta):</b>	-35 °C ~ 50 °C
<b>PCB Temperature (Tc max):</b>	<75 °C
<b>Dimmable:</b>	PWM (0/1-10V, DALI, DMX, TRIAC, ELV)
<b>Ingress protection:</b>	IP40

## FINISH



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## PRODUCT CODE EXAMPLE

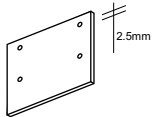
PROFILE	DIFFUSER	PCB	WATTAGE	SPECTRUM	LENGTH
ML45	- OC	- D112	/ 9	- D4-827	- L4

## SPECIFICATION

Profile	Diffuser	PCB	Wattage	Spectrum	Standard Lengths
	OC Opal PC Prismatic	D112	4 4.8w/m 9 9.6w/m 14 14.4w/m 19 19.2w/m 24 24.0w/m	D4-827 Osram 2700K ≥Ra80 D4-927 Lumileds 2700K ≥Ra90 D4-830 Osram 3000K ≥Ra80 D4-930 Lumileds 3000K ≥Ra90 D4-835 Osram 3500K ≥Ra80 D4-935 Lumileds 3500K ≥Ra90 D4-840 Osram 4000K ≥Ra80 D4-940 Lumileds 4000K ≥Ra90 D4-850 Osram 5000K ≥Ra80 D4-950 Lumileds 5000K ≥Ra90 D4-857 Osram 5700K ≥Ra80 D4-957 Lumileds 5700K ≥Ra90 D4-865 Osram 6500K ≥Ra80 D4-965 Lumileds 6500K ≥Ra90	L1 450mm L2 950mm L3 1450mm L4 1950mm L5 2450mm L6 2950mm
		N112	4 4.8w/m 9 9.6w/m 14 14.4w/m 19 19.2w/m 24 24.0w/m	N4-820 Nichia 4000K ≥Ra80 N4-920 Nichia 4000K ≥Ra90 N4-822 Nichia 2200K ≥Ra80 N4-922 Nichia 2200K ≥Ra90 N4-825 Nichia 2500K ≥Ra80 N4-925 Nichia 2500K ≥Ra90 N4-827 Nichia 2700K ≥Ra80 N4-927 Nichia 2700K ≥Ra90 N4-830 Nichia 3000K ≥Ra80 N4-930 Nichia 3000K ≥Ra90 N4-835 Nichia 3500K ≥Ra80 N4-935 Nichia 3500K ≥Ra90 N4-840 Nichia 4000K ≥Ra80 N4-940 Nichia 4000K ≥Ra90 N4-850 Nichia 5000K ≥Ra80 N4-950 Nichia 5000K ≥Ra90 N4-857 Nichia 5700K ≥Ra80 N4-957 Nichia 5700K ≥Ra90 N4-865 Nichia 6500K ≥Ra80 N4-965 Nichia 6500K ≥Ra90	Cuttable at 62.5mm intervals

Other colour temperatures, tunable white, RGB and RGBW available upon request.

## ACCESSORIES



ML45-EC Aluminium end cap



ML45-LC Linear connector

### Disclaimer:

Technical data is subject to change without prior notice. The data provide represent typical values. Due to tolerances in the production of components and binning of LEDs, values for lumen output (Lm), colour temperature (CCT) and power (W/m) can vary up to 10%. Electrical and thermal variation also influences the performance characteristics of LEDs