

Versatile, budget focused commercial panel fittings designed for widespread use throughout offices, education facilities, retail areas, & the service industry

Edge-Lit Panel available as CRI>90 option

High output performance & superior unit lifetime - optic diffuser minimises common edge lit panel frame shadowing.

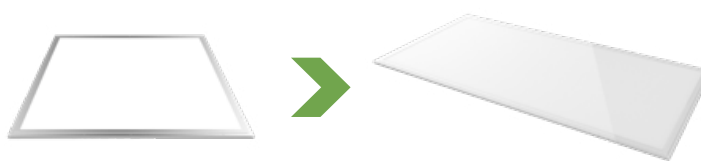
TUV, CE & RoHS international product marks



McMillan Series **Commercial Panel**

CDN:SPEC138REV3

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	MCM-26A	MCM-40A	MCM-40B	MCM-54B	MCM-54C	MCM-72C
Nominal Power	26W	40W	40W	54W	54W	72W
Luminaire Efficacy @ CRI>80, 4000K CCT	123lm/W	127lm/W	113lm/W	120lm/W	120lm/W	130lm/W
Lumen Output @ CRI>80, 4000K CCT	3,198lm	5,080lm	4,520lm	6,480lm	6,480lm	9,360lm
Lumen Maintenance (TM21 Calculated)	L70B50 ≥69,000 hours @ Ta 25°C					
Certification	CE, RoHS, TUV					
Product Warranty	5 Years					

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Runlite 4014
Light Emission	Direct
CCT	4000K, (3000K, 5000K, 6000K optional)
CRI	≥80, (≥90 optional)
SDCM	<6, (<3 optional)
Diffusers	Frosted
Symmetric Light Distribution	120°
Typical UGR ¹	<21

Electrical Parameters²:

System Operating Power	26W	40W	54W	72W
Driver Brand	Lifud			
System Power Factor	>0.9			
Typical Driver Lifetime	50,000 hours			
Input Voltage	220-240VAC			
Input Frequency	50-60Hz			
Power Factor	>0.9			
THD	<20% (220-240VAC)			

Environmental Parameters:

IP Rating	IP20
IK Rating	IK05
Ambient Usage Tolerance	-20°C to 40°C
Ambient Storage Tolerance	-40°C to 85°C
Ambient Humidity Tolerance	20% to 85% RH

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	595 x 595 x 11	1195 x 295 x 11	1195 x 595 x 11
Electrical Connection	350mm Cable		
Fixture Weight ³	3.1kg	3.2kg	
Fixture Primary Material(s)	6063-T5 Aluminium Alloy		
Fixture Finish	Painted		
Lens(es) Materials	UV Stabilised PMMA LGP, PS Diffuser		

Technical Specifications Summary

Code (Series-Wattage/Size)	MCM-26A	MCM-40A	MCM-40B	MCM-54B	MCM-54C	MCM-72C
Dimming/Controls Parameters:						
Dimming Options	1-10V, DALI					
Compatible intelligent lighting systems	Wireless Controls and Monitoring					
Options/Accessories:						
Mounting Styles	Surface mounted					
Miscellaneous Accessories	Safety Cable, 3 Hour Emergency Pack					
Available Product Colours	Black (RAL 9011), Grey (RAL 7045)					

¹ UGR varies with light distribution. For further details contact our office

² Electrical Parameter data is for D1 drivers, unless otherwise stated

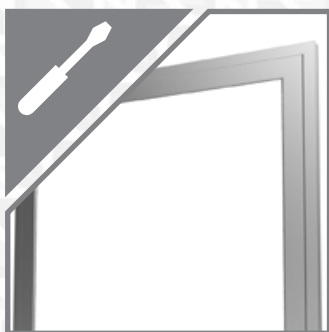
³ Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

All stated values should be considered indicative only. Technical data is provided from sample luminaires and construction components as assessed by OEM(s) under industry-standard, laboratory conditions. In practice, stated values can vary. Kellwood Lighting operates a policy of continual product improvement. Our luminaires' capabilities are regularly enhanced to outperform in-class market alternatives. Please contact our technical team directly for clarifications prior to purchase. All images depicted should be considered indicative only. Stated product warranty periods do not include associated labour costs. Stated product warranty periods are for UK projects only. For international projects, please contact our offices directly. Optional upgrades can often affect or supersede unit technical parameters, capabilities, and warranties. It is the responsibility of the purchasing authority to ensure selected hardware is suitable for application. For further documentation, including Returns Policy and Conditions of Unit Failure, please contact our offices. Hazardous area documentation (eg. ATEX) are issued to OEM codes. WEEE compliance reference code: WEE/MP3838PR/SCH. Please do not look directly at LED lighting products during operation.

This datasheet & corresponding certification should be reviewed by a competent person to ensure project suitability.

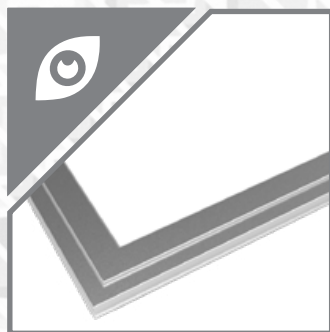
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Features Summary



Mounting Options

600x600mm, T-bar/suspended ceiling compatible



Vertical Glare Reduction

Frosted, reduced-glare polycarbonate diffusers



Driver Protocols

Non-dimming, 1-10V, DALI



Sensor(s)

Standalone (single or multiple luminaires per sensor options)



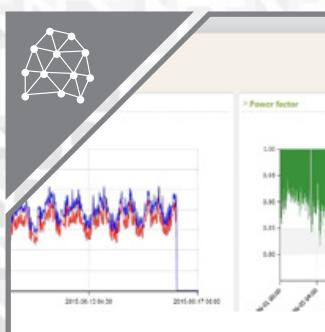
Surface Mounting Tray

Aluminium surface mounting tray kits available



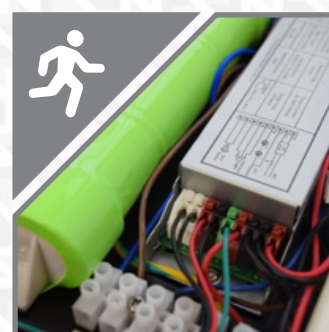
Sensor Functions

Occupancy, multi-step dimming, photocell, daylight harvesting



Advanced Controls

System energy reports, data monitoring, IoT (wireless/wired/mesh) networks



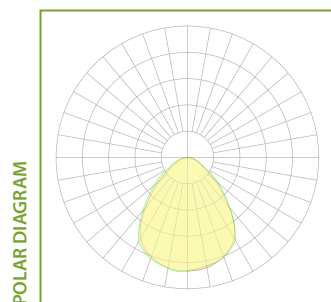
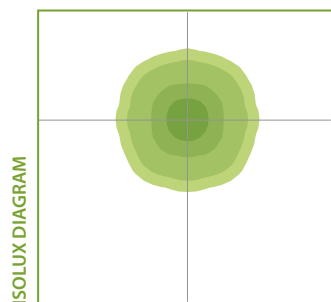
Emergency Operation

Maintained, non-integrated 3 hour battery pack

Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

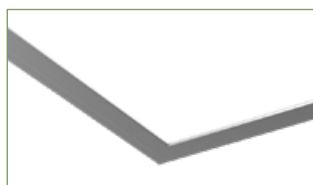
◀ Indicative Product Photometry

120° Optic ▶▶



Diffusers ▶▶

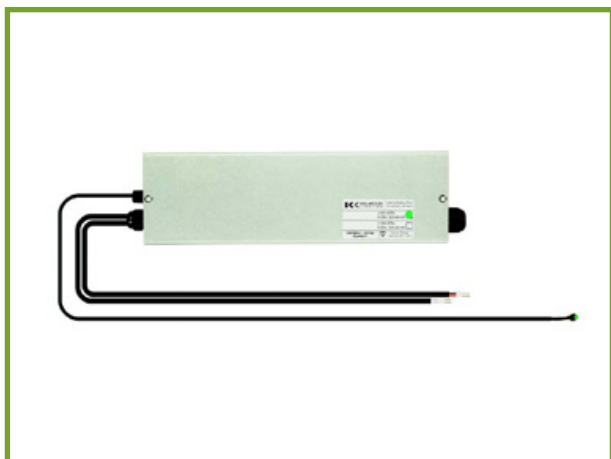
This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity. Please refer to downloadable photometrics for exact data.



Frosted Diffuser

Colourations on isolux diagrams are qualitative, i.e. the same colour on any two isolux diagrams will not necessarily have the same lux value.

Emergency Options

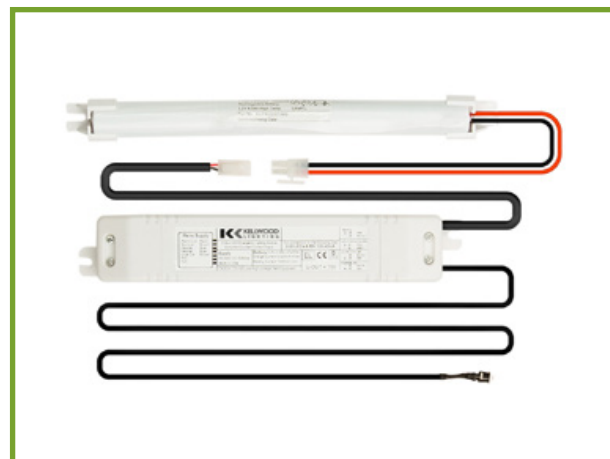


Emergency Packs

Premium plug and play, rapid installation option, available in remote-test, self-test and DALI variants. Incorporates luminaire driver, emergency switch electronics and battery.

Emergency LED indicator light bush and deep discharge protection included.

Emergency Output	≥ 3hrs @ 2.5W
Ingress Protection	IP20 or IP65
Size	IP20: 300 x 90 x 42mm IP65: 222 x 146 x 55mm
Warranty	3 Years
Battery Type	NiCd
Mains Supply	230-240VAC @ 50/60Hz
Mains Input Terminal	1.0mm ² to 2.5mm ²
Max Ta and Tc	Ta 50°C, Tc 70°C
Max Battery Temperature	NiCd 55°C



Emergency Kits

Available in remote-test, self-test and DALI variants. Compact design and incorporated strain relief allows installation as individual components in a ceiling cavity.

Emergency LED indicator light bush and deep discharge protection included.

Emergency Output	≥ 3hrs @ 2.5W
Ingress Protection	IP20
Size	Fits through 45mm aperture
Warranty	3 Years
Battery Type	NiCd or LiFePO ₄
Mains Supply	230-240VAC @ 50/60Hz
Mains Input Terminal	1.0mm ² to 2.5mm ²
Max Ta and Tc	Ta 50°C, Tc 70°C
Max Battery Temperature	NiCd 55°C LiFePO ₄ 60°C

LiFePO₄

Some emergency products are available with Lithium Iron Phosphate (LiFePO₄) batteries.

The two main advantages over traditional emergency lighting batteries are:

- Double the operational life
- Extremely low self discharge and power consumption under use. E.g. standby power of a Nickel Cadmium (NiCd) battery is 5W, whereas our equivalent LiFePO₄ battery would be 1.5W





Standard product code fields are presented as:
Further customisation may be available - please contact us if required



Product Ordering Codes

PRODUCT	POWER	CRI & CCT	DRIVER	COLOUR	CONFIGURABLE OPTIONS
MCM	26A 26W 600x600mm	830 CRI >80, 3000K	D1 NON-DIM	WH WHITE	SD3 SDCM<3
	40A 40W 600x600mm	840 CRI >80, 4000K	D2 1-10V		
	40B 40W 1200x300mm	850 CRI >80, 5000K	D3 DALI		
	54B 54W 1200x300mm	860 CRI >80, 6000K			
	54C 54W 1200x600mm	930 CRI >90, 3000K			
	72C 72W 1200x600mm	940 CRI >90, 4000K			
		950 CRI >90, 5000K			
		960 CRI >90, 6000K			

¹ These packs are not compatible with surface mount kits. Please select an alternative emergency kits

GENERAL NOTES:

- IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE
- PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY
- PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH ..."+(MODIFICATION)"
- ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS
- IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED AS NECESSARY

Product Ordering Code Examples:

MCM-40A-860-D1-WH

MCM-26A-830-D2-SI-SD3

Accessory Ordering Code Example:

MCM-E3R1-40A-D3

DRIVER MANUFACTURER			
POWER	D1	D2	D3
26 26W	Lifud	Lifud	Lifud
40 40W	Lifud	Lifud	Lifud
54 54W	Lifud	Lifud	Lifud
72 72W	Lifud	Lifud	Lifud

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

ACCESSORIES
MCM-SA SURFACE MOUNT KIT - 600x600
MCM-SB SURFACE MOUNT KIT - 1200x300
MCM-E3R1-"POWER"- "DRIVER" 3HR MAINTAINED NED EMERGENCY PACK - REMOTE TEST WITH NiCd BATTERY ¹
MCM-E3S1-"POWER"- "DRIVER" 3HR MAINTAINED NES EMERGENCY PACK - SELF TEST WITH NiCd BATTERY ¹
MCM-SF SAFETY CABLE

