



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



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Performance Summary: MCM-26A MCM-40A MCM-40B MCM-43B MCM-54C MCM-72C Neminal Power 26W 40W 40W 54W 54W 72W Neminal Power 26W 40W 40W 54W 54W 72W Neminal Power 26W 40W 40W 54W 54W 72W Neme Output exess, executor 3,198im 5580im 4520m 6480im 9,360im Lumen Anintenace (TM21 Calculated) CF, Briths TUV 5680im 57.500K 6480im 9,360im Certification CF, Briths Model, & Size TV 55.800K 56.00K optional) 56.00K CGT CT 4000K (3000K, 5000K, 6000K optional) 56.00K 56.00K optional) SGCM CT 580 (490 optional) 56.00K 72W 72W Diffuers Froster 128'TV 58.00K 72W 72W SGCM CT 58.00K optional) 56.00K 72W 72W Spring Operating Power 26W								
Namial Power2.6W4.0W4.0W5.4W5.4W7.2MLumina lefficacy access, seasecc13.3Im/W127m/W1131m/W120m/W130m/W130m/WLume Autinacian (M2C Calculated)5.080/m6.480/m6.480/m6.480/m9.360/mCertificationCCCS.080/m6.480/m6.480/m9.360/mCertificationCCCS.080/m1.00/m/W1.00/m/W9.360/mCalculated)CCCS.080/m1.00/m/WS.080/m1.00/m/W1.00/m/WCalculatedCCS.080/m1.00/mS.080/m1.00/m <t< th=""><th>Performance Summary:</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Performance Summary:							
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Lumen Output a Ginesa, eaox cert3,198/m5,080/m4,520/m6,480/m6,480/m9,360/mLumen Maintenance (TM21 Calculated)CUSE 30.250.000 USUS a Ta 23°CCSSS								
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	Diffusers	Frosted						
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Fixture Weight³3.1kg3.2kgFixture Primary Material(s)6063-T5 Aluminium AlloyFixture FinishPainted	Product Dimensions: LxWxH (mm)	595 x 59	95 x 11	1195 x	295 x 11	1195 x	595 x 11	
Fixture Primary Material(s) 6063-T5 Aluminium Alloy Fixture Finish Painted	Electrical Connection	350mm Cable						
Fixture Finish Painted	Fixture Weight ³	3.1kg 3.2kg						
	Fixture Primary Material(s)	6063-T5 Aluminium Alloy						
Lens(es) Materials UV Stabilised PMMA LGP, PS Diffuser	Fixture Finish	Painted						
	Lens(es) Materials			UV Stabilised PM	MA 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. ©2020 Kellwood Engineering Ltd. All rights reserved.

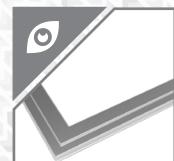






Mounting Options

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)



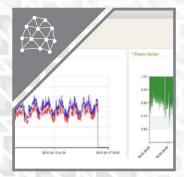
Surface Mounting Tray

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

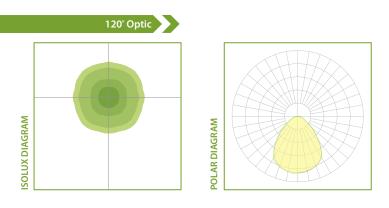
Maintained, non-integrated 3 hour battery pack





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.





Diffusers

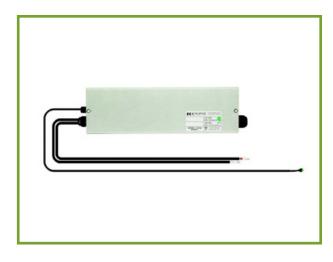
This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity. Please refer to downloadable photometrics for exact data.



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 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
МСМ	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			

 $^{1}\mbox{These}$ packs are not compatible with surface mount kits. Please select an alternative emergency kits

GENERAL NOTES:

1. IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE

2. PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY

3. PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH ..."+(MODIFICATION)"

4. ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS

5. 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 NICH BATTERY 1
MCM-E3S1-"POWER"-"DRIVER" 3HR MAINTAINED NES EMERGENCY PACK - SELF TEST WITH NICH BATTERY 1
MCM-SF SAFETY CABLE