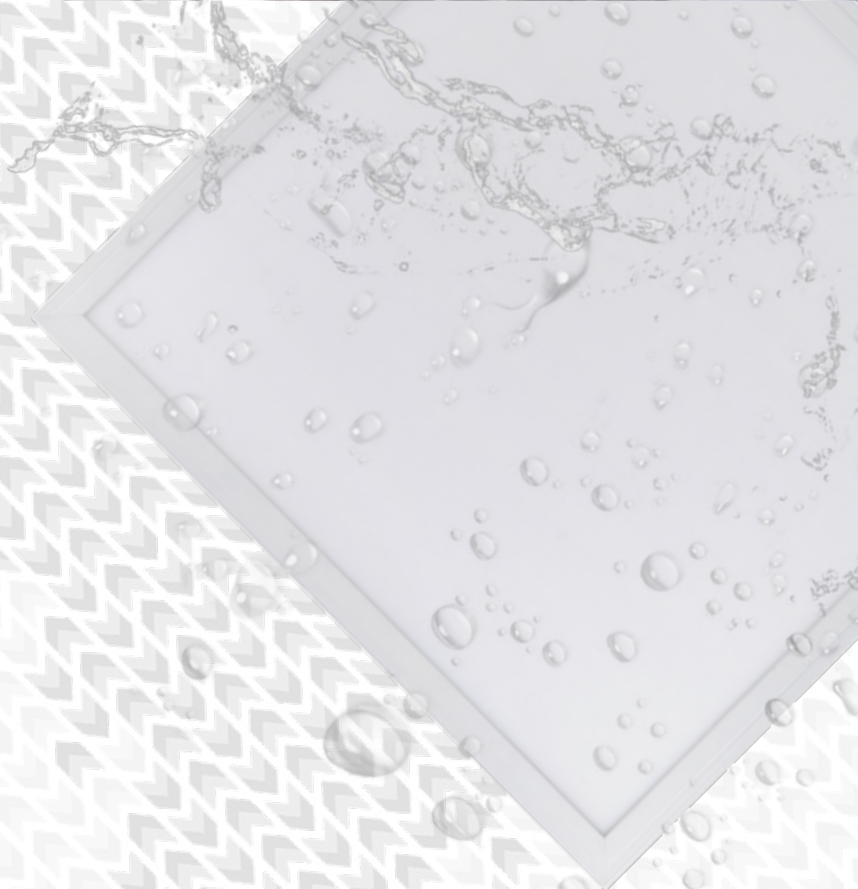




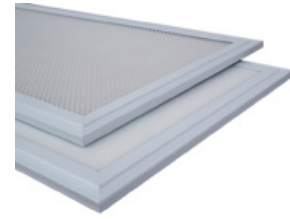
- IP65 LED panels designed for laboratories, washdown facilities & other wet environments
- Stainless glands & fixings provide ongoing corrosion protection
- Epoxy-free design
- CE, RoHS & UL international product marks
- The most competitive, high-end solution for projects worldwide



Mitchell Series **IP65 LED Panel**

CDN:SPEC77REV10

Technical Specifications Summary



Performance Summary:

MOQ	>200pcs		
Code (Series-Wattage/Size)	MIT-26A	MIT-26B	MIT-40A
Nominal Power	26W	26W	40W
Luminaire Efficacy @ CRI>80, 4000K CCT	129lm/W	124lm/W	125lm/W
Lumen Output @ CRI>80, 4000K CCT	3,350lm	3,220lm	5,000lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥50,000 hours		
Certification	CE, RoHS, UL		
Product Warranty	5 Years		

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	San'an 2835
Light Emission	Direct
CCT	4000K, (3000K, 6000K optional)
CRI	≥80, (≥90 optional)
SDCM	<6, (<3 optional)
Diffusers	Frosted, (Prismatic optional)
Symmetric Light Distribution	114°
Typical UGR ¹	<22, (<17 optional)

Electrical Parameters²:

System Operating Power	26W	26W	40W
Driver Brand	Meanwell		
Driver Model	XLG-25		XLG-50
System Power Factor	>0.92		
Typical Driver Lifetime	100,000 hours @Tc 65°C		
Input Voltage	100-240VAC		
Input Frequency	50-60Hz		
Driver Output Current	700mA		1,000mA
Driver Output Voltage	22-54V		
Qty of Drivers per Light	1		
Inrush Current (Non-Dimming Driver)	50A		
Power Factor	>0.9		
THD	<10% (100-240VAC)		

Environmental Parameters:

IP Rating	IP65
IK Rating	IK06
Ambient Usage Tolerance	-30°C to 40°C
Ambient Storage Tolerance	-40°C to 60°C
Ambient Humidity Tolerance	15% to 75% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	MIT-26A	MIT-26B	MIT-40A
Physical/Mechanical Parameters:			
Product Dimensions: LxWxH (mm)	596 x 596 x 11	1196 x 296 x 11	596 x 596 x 11
Qty of Modules	1		
Electrical Connection	350mm Cable		
Fixture Weight ³	3.5kg	3.5kg	4.2kg
Fixture Primary Material(s)	Aluminium & Stainless Steel		
Fixture Finish	Painted		
Lens(es) Materials	UV Stabilised PMMA		
Dimming/Controls Parameters:			
Dimming Options	1-10V, DALI		
Compatible intelligent lighting systems	Wireless Controls and Monitoring		
Options/Accessories:			
Mounting Styles	Surface Mounted		
Miscellaneous Accessories	Surface Mount Kit, Emergency Pack (Remote Test, Self Test), Safety Cable		
Available Product Colours	White		

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.

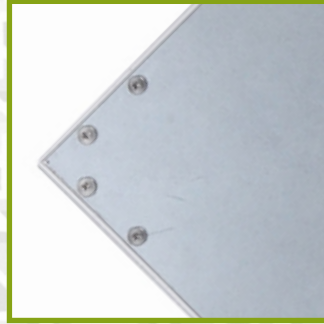
This datasheet & corresponding certification should be reviewed by a competent person to ensure project suitability.

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Features Summary

White Finish

White (RAL9010) painted frame


Epoxy Free Design

An epoxy-free design ensures a clean, consistent finish


Stainless Steel Glands

Stainless steel glands and fixings provide on-going corrosion protection


IP65 Driver & Cable Connection

IP65 driver & cable control gear offers complete IP65 integrity


Glare-Reducing Diffuser

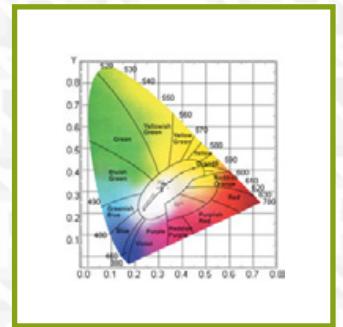
Optional super-low glare diffuser (UGR <17)


DALI/1-10V

Intelligent operation compatibility - dimming, occupancy, daylight harvesting...


IP65 Ingress Protection

Comprehensive front and rear IP65 protection


CRI & CCT

Optional CRI ≥90 and a wide range of colour temperatures are available


Emergency

Remote-testing and self-testing 3 hour emergency options

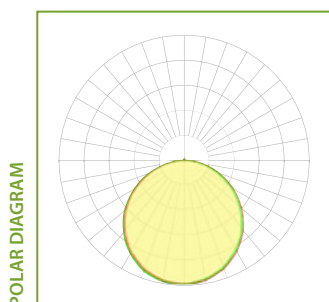
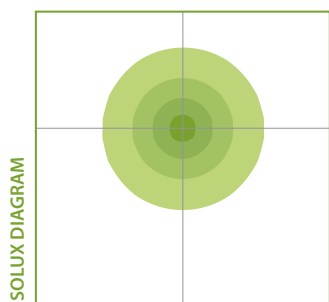

Low SDCM

Optional SDCM <3 available

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

114° 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.



Diffuser



Prismatic Diffuser

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. Deep discharge protection included.

Emergency LED status indicator light bush (IP20 variant) and deep discharge protection included.

IP65 - LED status indicator is mounted on enclosure. Suitable for applications where there is maintenance access from above.

IP20 - LED status indicator is supplied on an umbilical cord complete with mounting bush.

Emergency Output	≥ 3hrs @ 2.5W
Ingress Protection	IP20 or IP65
Size	IP20: 300 x 90 x 42mm IP65: 222 x 146 x 110mm
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

*Important note: If Mitchell series is specified with DALI control gear, both the control gear and emergency packs are supplied as IP20 and the product must be considered IP65 front face only



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	MODIFICATIONS
MIT	26A 26W 600x600mm	830 CRI >80, 3000K	D1 NON-DIM	WH WHITE	SD3 SDCM<3
	26B 30W 1200x300mm	840 CRI >80, 4000K	D2 1-10V		UGR UGR <17 DIFFUSER
	40A 40W 600x600mm	850 CRI >80, 5000K	D3 DALI		
		860 CRI >80, 6000K			
		930 CRI >90, 3000K			
		940 CRI >90, 4000K			
		950 CRI >90, 5000K			
		960 CRI >90, 6000K			

Product Ordering Code Examples:

MIT-26A-840-D1-WH

MIT-40A-940-D2-WH-UGR

Accessory Ordering Code Example:

MIT-E3R1-26-D3

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

DRIVER MANUFACTURER			
POWER	D1	D2	D3
26A 26W 600x600mm	Mean Well	Mean Well	Contact Office
26B 30W 1200x300mm	Mean Well	Mean Well	Contact Office
40A 40W 600x600mm	Mean Well	Mean Well	Mean Well (P20)

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

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

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

