



- Kellwood`s versatile polycarbonate bulkhead for applications in factories, warehouses, & offices
- Primary focus on functionality and reliability with internal metal chassis giving improved heat dissipation and increased lifespan
- CE, & RoHS international product marks
- The most competitive, high-end solution for projects worldwide



Paterson Series

Versatile Polycarbonate Bulkheads

CDN:SPEC29REV6

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	PAT-14	PAT-18	PAT-22
Nominal Power	14W	18W	22W
Luminaire Efficacy @ CRI>80, 4000K CCT	80lm/W	80lm/W	70lm/W
Lumen Output @ CRI>80, 4000K CCT	1,120lm	1,440lm	1,540lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥50,000 hours		
Certification	CE, RoHS		
Product Warranty	3 Years		

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Epistar SMD 2835
Light Emission	Direct
CCT	4000K, (3000K, 5000K optional)
CRI	≥80
Diffusers	Frosted
Symmetric Light Distribution	135°

Electrical Parameters¹:

System Operating Power	14W	18W	22W
Driver Brand	Own brand		
System Power Factor	>0.9		
Input Voltage	100-240VAC		
Input Frequency	50-60Hz		
Power Factor	>0.9		

Environmental Parameters:

IP Rating	IP54
Ambient Usage Tolerance	-10°C to 45°C
Ambient Storage Tolerance	-40°C to 85°C
Ambient Humidity Tolerance	15% to 90% RH

Physical/Mechanical Parameters:

Product Dimensions: ØxH (mm)	325 x 100		
Electrical Connection	Terminal Block		
Fixture Weight ²	1.7kg		2.0kg
Fixture Primary Material(s)	ABS		
Lens(es) Materials	UV Stabilised Polycarbonate		

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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Technical Specifications Summary

Code (Series-Wattage/Size)	PAT-14	PAT-18	PAT-22
Dimming/Controls Parameters:			
Dimming Options	1-10V		
Built-in Controls	Microwave Sensor, Emergency (Remote Test)		
Options/Accessories:			
Mounting Styles	Surface mounted		
Available Product Colours	White		

¹ Electrical Parameter data is for D1 drivers, unless otherwise stated

² Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

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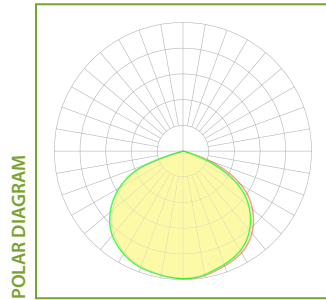
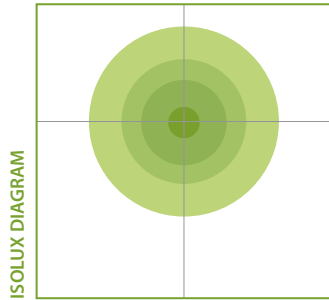
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Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Indicative Product Photometry

135° 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 Cover

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



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	MODIFICATIONS
PAT	14 14W	830 CRI >80, 3000K	D1 NON-DIM	E3R1 INTEGRATED 3 HOUR MAINTAINED EMERGENCY (REMOTE TEST)
	18 18W	840 CRI >80, 4000K	D2 1-10V	
	22 22W	850 CRI >80, 5000K	D4M1 COMBINED 1-10V DRIVER & MICROWAVE SENSOR	

Product Ordering Code Examples:

PAT-14-840-D1

PAT-14-840-D4M1-E3R1

DRIVER MANUFACTURER			
POWER	D1	D2	D4M1
14 14W	Own Brand	Own Brand	Own Brand
18 18W	Own Brand	Own Brand	Own Brand
22 22W	Own Brand	Own Brand	Own Brand

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

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

