

- Premium quality downlights for use in the office, retail, leisure, & hospitality industries
- Patented hemispheric optics ensure light neutrality with evenly spread distribution and zero shadowing
- CE, RoHS, & TUV international product marks
- The most competitive, high-end solution for projects worldwide



Waverly Series

Premium Downlights

CDN:SPEC36REV7

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	WAV-5	WAV-8	WAV-10
Nominal Power	5W	8W	10W
Luminaire Efficacy @ CRI>80, 3000K CCT	70lm/W	80lm/W	80lm/W
Lumen Output @ CRI>80, 3000K CCT	350lm	640lm	800lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥36,000 hours @ Ta 25°C		
Lumen Maintenance (TM21 Calculated)	L70B50 ≥78,000 hours @ Ta 25°C		
Certification	CE, RoHS, TuV		
Product Warranty	3 Years		

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Epistar	Cree
Light Emission	Direct	
CCT	3000K, (4000K, 6500K optional)	
CRI	≥80, (≥90 optional)	
SDCM	<3	
Diffusers	Bi-Frosted	
Symmetric Light Distribution	24°, (15°, 30°, 36° optional)	
Optical Accessories	Edge Softening Optic	

Electrical Parameters¹:

System Operating Power	5W	8W	10W
Driver Brand	Lifud		
Driver Model	LF-GIR015YM		
Typical Driver Lifetime	120,000 hours @ Ta 50°C		
Input Voltage	220-240VAC		
Input Frequency	50-60Hz		
Qty of Drivers per Light	1		
Inrush Current (Non-Dimming Driver)	60A		
Power Factor	>0.9		
THD	<15% (200-240VAC)		
Insulation Class	II		

Environmental Parameters:

IP Rating	IP20
Ambient Usage Tolerance	-20°C to 40°C
Ambient Storage Tolerance	-20°C to 40°C
Ambient Humidity Tolerance	10% to 90% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	WAV-5	WAV-8	WAV-10
Physical/Mechanical Parameters:			
Product Dimensions: ØxH (mm)	75 x 79		
Cutout (Ø)	63-68mm		
Electrical Connection	170mm cable		
Fixture Weight²	0.20kg	0.25kg	
Fixture Primary Material(s)	Aluminium Alloy		
Fixture Finish	Painted		
Lens(es) Materials	UV Stabilised Polycarbonate		
Dimming/Controls Parameters:			
Dimming Options	1-10V, DALI		
Compatible intelligent lighting systems	Wireless Controls and Monitoring		
Options/Accessories:			
Mounting Styles	Surface mounted		
Miscellaneous Accessories	Emergency (Self Test, Remote Test)		
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

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.

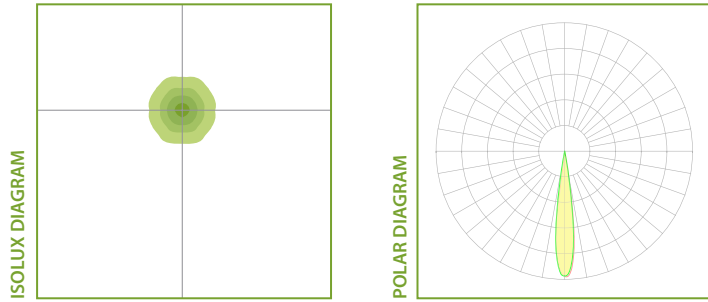
This datasheet & corresponding certification should be reviewed by a competent person to ensure project suitability.

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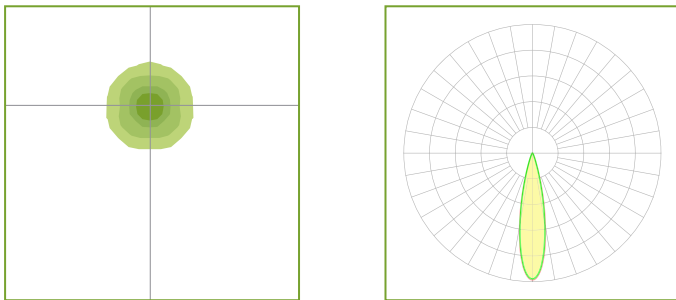
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Indicative Product Photometry

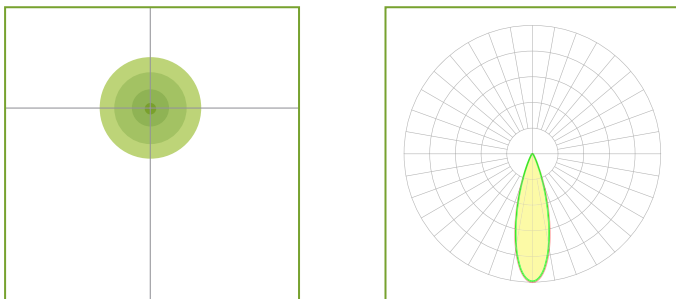
15° Optic



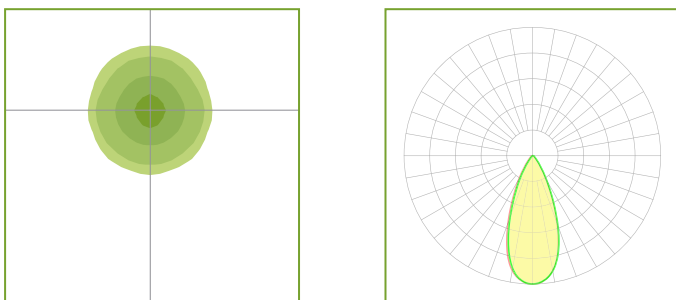
24° Optic



30° Optic



36° Optic

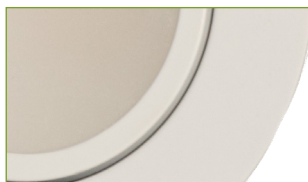


Diffusers

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.



Clear



Frosted Cover



Edge Softenng Optic

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	OPTIC	DRIVER	MODIFICATIONS
WAV	5 5W	830 CRI >80, 3000K	15 15" CIRCULAR	D1 NON-DIM	FR FROSTED COVER
	8 8W	840 CRI >80, 4000K	24 24" CIRCULAR	D2 1-10V	SE EDGE SOFTENING OPTIC
	10 10W	850 CRI >80, 5000K	30 30" CIRCULAR	D3 DALI	
		860 CRI >80, 6000K	36 36" CIRCULAR		
		930 CRI >90, 3000K			
		940 CRI >90, 4000K			
		950 CRI >90, 5000K			
		960 CRI >90, 6000K			

Product Ordering Code Examples:

WAV-5-840-D1-15-FR

WAV-8-960-D2-24-SE

Emergency Ordering Code Example:

WAV-E3R1-10-D3

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

DRIVER MANUFACTURER			
POWER	D1	D2	D3
5 5W	Eaglerise	Not Available	Not Available
8 8W	Eaglerise	Ever Shining	Osram
10 10W	Eaglerise	Ever Shining	Osram

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

ACCESSORIES
WAV-"POWER"- "DRIVER" 3HR MAINTAINED NED EMERGENCY PACK - REMOTE TEST WITH NiCd BATTERY
WAV-"POWER"- "DRIVER" 3HR MAINTAINED NES EMERGENCY PACK - SELF TEST WITH NiCd BATTERY
WAV-E3R2 3HR MAINTAINED EMERGENCY JED KIT - REMOTE TEST WITH NiCd BATTERY
WAV-E3R2L 3HR MAINTAINED EMERGENCY FED KIT - REMOTE TEST WITH LiFePO ₄ BATTERY
WAV-E3S2L 3HR MAINTAINED EMERGENCY FES KIT - SELF TEST WITH LiFePO ₄ BATTERY

NOTE: 2017 Product Code Updates

This product series previously used codes starting with LED/DL-WAV/... & LED/DL-HG-D... Please contact us if you require further information on corresponding codes.

