



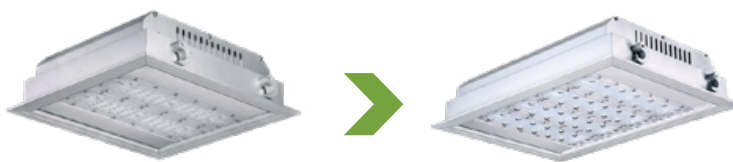
- Premium canopy light suitable for applications in airports, transport hubs, & the automotive industry
- Installation-friendly chassis with impact & ingress resistance. Combining market-leading build standards & components.
- CE, RoHS, CB, & TUV international product marks
- The most competitive, quality driven solution for projects worldwide.



Armitage 2 Series **Premium Canopy Lights**

CDN:SPEC61REV6

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	ARM2-50	ARM2-100	ARM2-150	ARM2-200
Nominal Power	50W	100W	150W	200W
Luminaire Efficacy @ CRI>70, 5000K CCT	126lm/W	125lm/W	127lm/W	128lm/W
Lumen Output @ CRI>70, 5000K CCT	6,300lm	12,500lm	19,050lm	25,600lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥60,000 hours			
Certification	CE, RoHS, CB, TUV			
Product Warranty	5 Years			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Philips Lumiled 3030 2D
Chip Efficacy @ CRI>70, 5000K CCT	165lm/W @ 100mA
Light Emission	Direct
CCT	5000K, (3000K, 5000K optional)
CRI	≥70
Diffusers	Clear
Symmetric Light Distribution	60°, 90°, 110°

Electrical Parameters¹:

System Operating Power	50W	100W	150W	200W
Driver Brand	Meanwell			
Driver Model	HLG-60H	HLG-120H	HLG-150H	HLG-240H
System Power Factor	>0.9			
Typical Driver Lifetime	>62,000 hours @ Ta 25°C			
Input Voltage	100-277VAC			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1			
Inrush Current Per Driver @ 230VAC measured at 50% I _{peak} (Peak/Duration)	55A/265μs	60A/375μs	65A/425μs	75A/570μs
Power Factor	>0.92			
THD	<20% (100-277VAC)			
Insulation Class	I			

Environmental Parameters:

IP Rating	IP66
IK Rating	IK10
Ambient Usage Tolerance	-40°C to 50°C
Ambient Storage Tolerance	-40°C to 80°C
Driver automatic turn-off temperature	85°C
Ambient Humidity Tolerance	10% to 95% RH



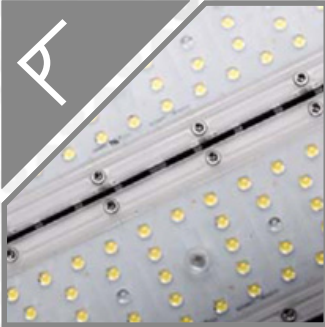
Technical Specifications Summary

Code (Series-Wattage/Size)	ARM2-50	ARM2-100	ARM2-150	ARM2-200
Physical/Mechanical Parameters:				
Product Dimensions: LxWxH (mm)	231 x 316 x 120	304 x 316 x 120	377 x 316 x 120	450 x 316 x 120
Cutout: LxW (mm)	202 x 285	275 x 285	348 x 285	421 x 285
Qty of Modules	1	2	3	4
Electrical Connection	200mm Cable			
Fixture Weight ²	2.4kg	3.6kg	4.4kg	5.4kg
Fixture Primary Material(s)	Anodised Aluminium Alloy			
Fixture Finish	Painted			
Lens(es) Materials	UV Stabilised Polycarbonate			
Dimming/Controls Parameters:				
Dimming Options	1-10V			
Options/Accessories:				
Mounting Styles	Surface mounted			
Available Product Colours	Silver, 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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Features Summary



Varied Optics

Three different optical variations allowing product flexibility: 60°, 90° and 110°.



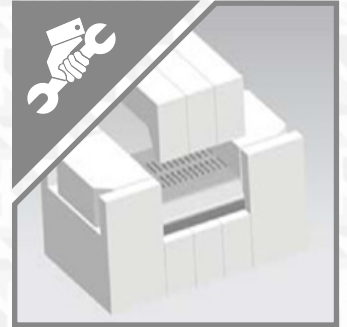
M16 Waterproof Connections

Waterproof connectors provide water ingress protection.



Solid Frame Construction

Tough build quality ensures reliability.



Tailor-made Packaging

Designed to provide complete protection of the unit



Waterproof Connectors

Internal joins are made using IP66 connectors to ensure performance.



Pluggable Connectors

Quick connectors for a fast, neat and simple installation.



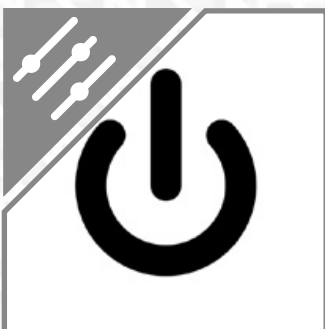
Locking Clamp

Convenient and secure installation.



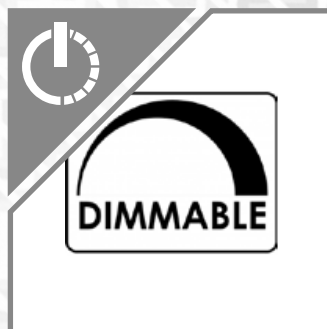
Corrosion Resistance

Non-corrosive material minimising corrosion concerns.



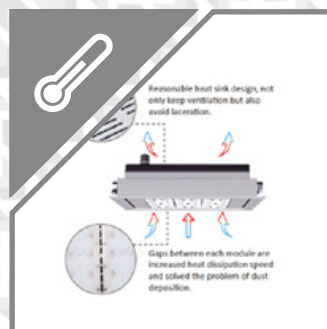
Stand-alone Automation

A motion sensor can be integrated for stand-alone automation.



1-10V, PWM, Resistance

Multiple control/dimming protocols are supported providing flexibility.



Thermal Design

A design centred around the heat sink helps lights stay brighter for longer.



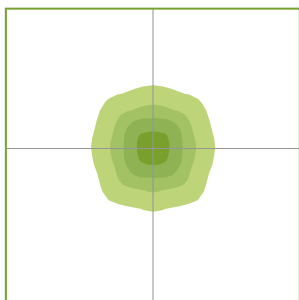
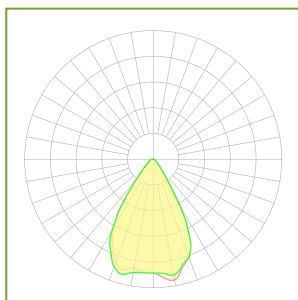
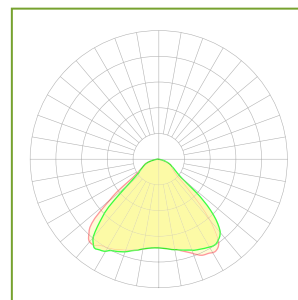
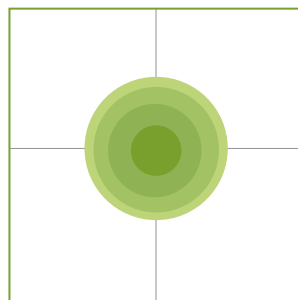
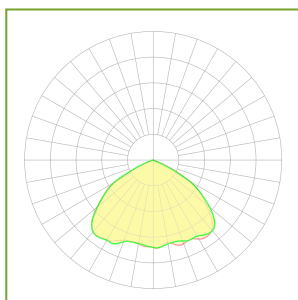
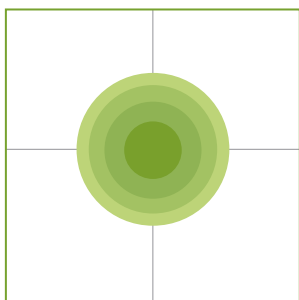
Multiple Luminaire Colours

Colour options include grey and black.



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

60° Optic**ISOLUX DIAGRAM****POLAR DIAGRAM****90° Optic****110° 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 Optic (Various Beam Angles)



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	COLOUR
ARM2	50 50W	730 CRI >70, 3000K	60 60° CIRCULAR	D1 NON-DIM	SI SILVER
	100 100W	740 CRI >70, 4000K	90 90° CIRCULAR	D2 1-10V	WH ¹ WHITE
	150 150W	750 CRI >70, 5000K	110 110° CIRCULAR		
	200 200W				

Product Ordering Code Examples:

ARM2-50-750-60-D1-WH

DRIVER MANUFACTURER		
POWER	D1	D2
50 50W	Mean Well	Mean Well
100 100W	Mean Well	Mean Well
150 150W	Mean Well	Mean Well
200 200W	Mean Well	Mean Well

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

¹ White option is for the outer frame only - main luminaire is supplied silver

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

