# KELLWOOD
LIGHTING

- **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 Series
Premium Canopy Lights

CDN:SPEC2REV5

EST. 1985

ENGINEERING
ELECTRICAL
LIGHTING

Technical Specifications Summary
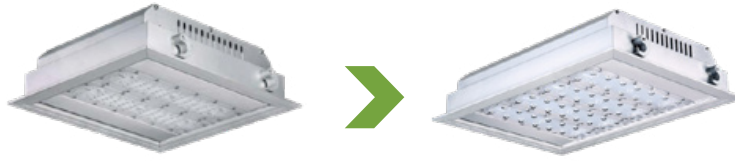
Performance Summary:

Code (Series-Wattage/Size)	ARM-40	ARM-80	ARM-120	ARM-160
Nominal Power	40W	80W	120W	160W
Luminaire Efficacy @ CRI>70, 5000K CCT	110lm/W	110lm/W	110lm/W	110lm/W
Lumen Output @ CRI>70, 5000K CCT	4,400lm	8,800lm	13,200lm	17,600lm
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	Luxeon 3535
Chip Efficacy @ CRI>70, 5000K CCT	161lm/W @ 100mA, Tj=25°C
Light Emmission	Direct
CCT	5000K, (3000K, 4000K optional)
CRI	≥70
Diffusers	Clear
Symmetric Light Distribution	60°, 90°, 110°

Electrical Parameters[1]:

System Operating Power	40W	80W	120W	160W
Driver Brand	Meanwell			
Driver Model	HLG-40H	HLG-120H	HLG-120H	HLG-185H
System Power Factor	>0.92			
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% Ipeak (Peak/Duration)	35A/210µs	60A/375µs	60A/425µs	65A/445µs
Power Factor	>0.9			
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
Ambient Humidity Tolerance	10% to 95% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	ARM-40	ARM-80	ARM-120	ARM-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
Qty of Modules	1	2	3	4
Electrical Connection	200mm Cable			
Fixture Weight²	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

Varied Optics

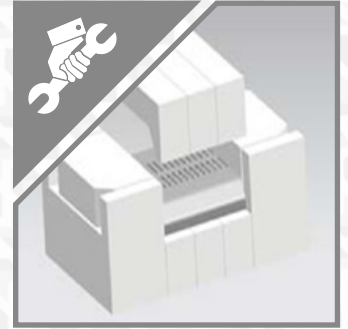Three different optical variations allowing product flexibility: 60°, 90° and 110°.

M16 Waterproof Connections

Waterproof connectors provide water ingress protection.

Solid Frame Construction

Tough build quality ensures reliability.

Tailor-made Packaging
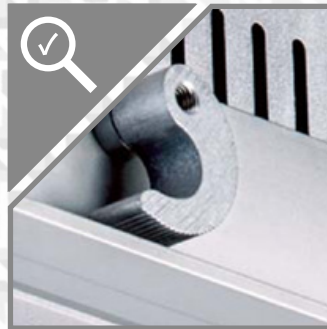
Designed to provide complete protection of the unit

Waterproof Connectors

Internal joins are made using IP66 connectors to ensure performance.

Pluggable Connectors

Quick connectors for a fast, neat and simple installation.

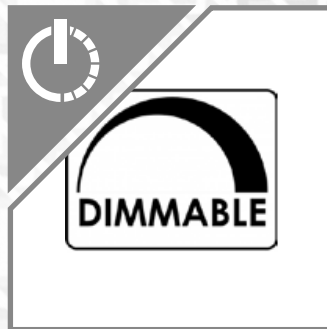**Locking Clamp**

Convenient and secure installation.

Corrosion Resistance

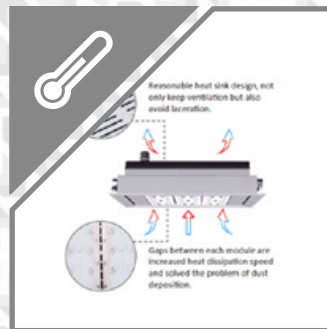Non-corrosive material minimising corrosion concerns.

Stand-alone Automation

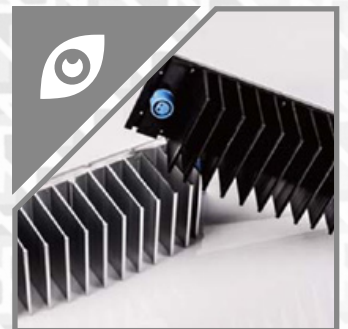A motion sensor can be integrated for stand-alone automation.

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

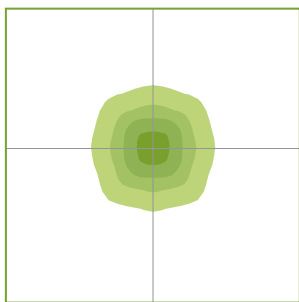Colour options include grey and black.

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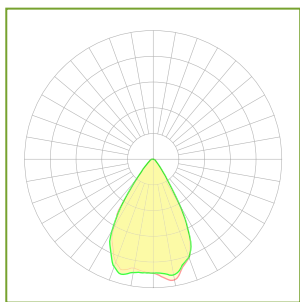please refer to specific product photometry, available for download from our website.

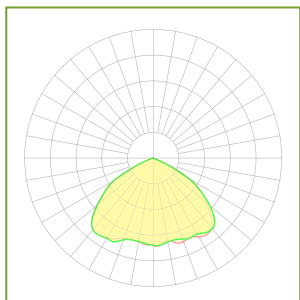**Indicative Product Photometry**

60° Optic

ISOLUX DIAGRAM

POLAR DIAGRAM
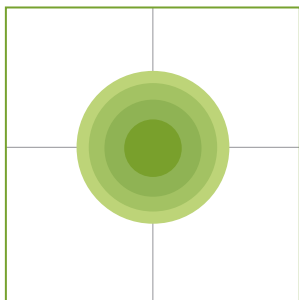
90° Optic

110° Optic
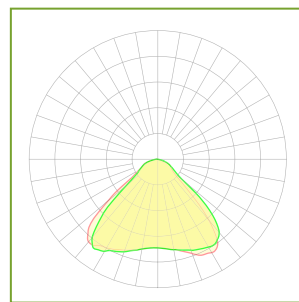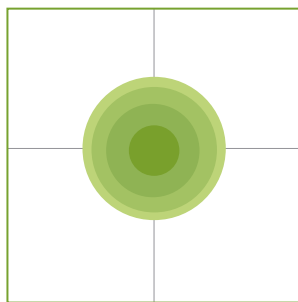
Diffusers

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)

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

CODE
Description

750
CRI>70, 5000K

Product Ordering Codes

PRODUCT	POWER	CRI & CCT	OPTIC	DRIVER	COLOUR
ARM	**40** 40W	**730** CRI >70, 3000K	**60** 60° CIRCULAR	**D1** NON-DIM	**SI** SILVER
	80 80W	**740** CRI >70, 4000K	**90** 90° CIRCULAR	**D2** 1-10V	**WH¹** WHITE
	120 120W	**750** CRI >70, 5000K	**110** 110° CIRCULAR		
	160 160W				

Product Ordering Code Examples:

ARM-40-750-60-D1-WH

[1] White option is for the outer frame only - main luminiare is supplied silver

DRIVER MANUFACTURER		
POWER	**D1**	**D2**
40 40W	**Mean Well**	**Mean Well**
80 80W	**Mean Well**	**Mean Well**
120 120W	**Mean Well**	**Mean Well**
160 160W	**Mean Well**	**Mean Well**

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

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