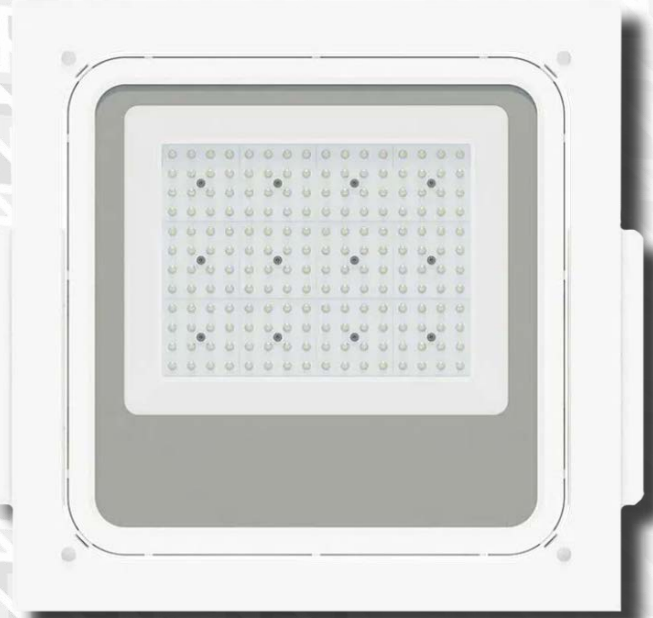




- Premium canopy light suitable for applications in airports, transport hubs, & the automotive industry
- Installation-friendly chassis with impact & ingress resistance. Combining market-leading build standards & components.
- ATEX, CE, RoHS, CB, international product marks
- The most competitive, quality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



Armitage 3 Series

Premium Canopy Lights

CDN:SPEC206REV0

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	ARM3-80	ARM3-100	ARM3-120	ARM3-150
Nominal Power	80W	100W	120W	150W
Luminaire Efficacy @ CRI>70, 5000K CCT	165lm/W	160lm/W	160lm/W	155lm/W
Lumen Output @ CRI>70, 5000K CCT	13,200lm	16,000lm	19,200lm	23,250lm
Chip Lumen Maintenance (TM21 Reported)	L70B50 ≥100,000 hours			
Certification	CE, RoHS, CB			
Product Warranty	5 Years			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Philips Lumiled 3030
Chip Efficacy @ CRI>70, 5000K CCT	165lm/W @ 100mA
Light Emission	Direct
CCT	3000K, (4000K, 5000K, 5700K optional)
CRI	≥70, (≥80 optional)
Diffusers	Clear
Symmetric Light Distribution	60°, 90°, 120°

Electrical Parameters¹:

System Operating Power	80W	100W	120W	150W
Driver Brand	Inventronics			
Driver Model	EUM075S105DG	EUM100S105DG	EUM-150S105DG	
Input Voltage	100-240VAC			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1			
Power Factor	>0.95			
THD	<15% (100-240VAC)			
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 50°C
Ambient Humidity Tolerance	10% to 90% RH

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm Recessed Mounting)	430 x 400 x 76
Cutout: LxW (mm)	360 x 360
Electrical Connection	190mm Cable
Fixture Weight ²	4.3kg
Fixture Primary Material(s)	High Pressure Die-Cast Aluminum
Fixture Finish	Painted
Lens(es) Materials	UV Stabilised Polycarbonate
Cover Materials	Tempered Glass



Technical Specifications Summary

Code (Series-Wattage/Size)	ARM3-80	ARM3-100	ARM3-120	ARM3-150
Dimming/Controls Parameters:				
Dimming Options	1-10V, DALI			
Build-In Controls	Microwave Sensor			
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

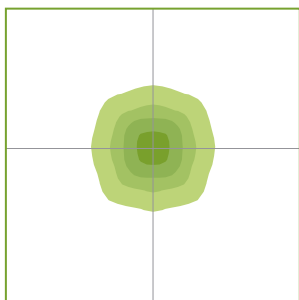
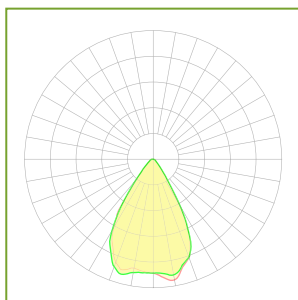
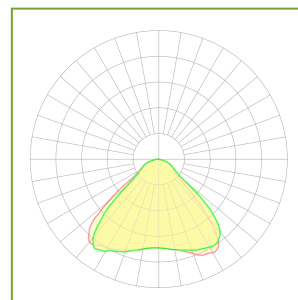
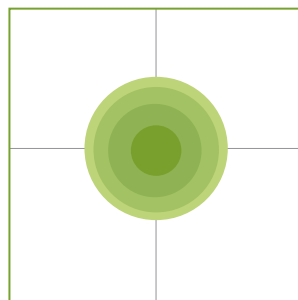
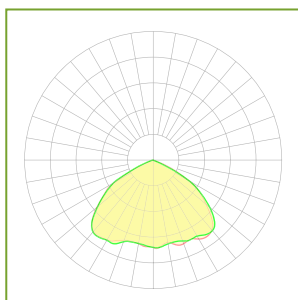
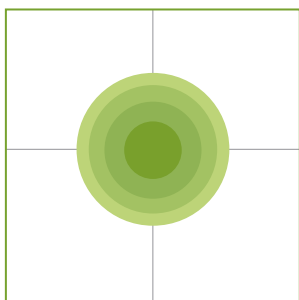
Certifications	
Division	ATEX Zone 1 & 21 and 2 & 22
Product Marking	<div>Ex II 2 G D</div> <div>EX ib IIC T6</div> <div>EX ib A21 T85°C</div> <div>*for further information please see temperature table</div>

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. ©2020 Kellwood Engineering Ltd. All rights reserved.



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****120° 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	MODIFICATIONS
ARM3	80 80W	730 CRI >70, 3000K	60 60° CIRCULAR	D1 NON-DIM	WH WHITE	M1 MICROWAVE SENSOR
	100 100W	740 CRI >70, 4000K	90 90° CIRCULAR	D2 1-10V		
	120 120W	750 CRI >70, 5000K	120 120° CIRCULAR	D3 DALI		
	150 1150W	757 CRI >70, 5700K				
		830 CRI >80, 3000K				
		840 CRI >80, 4000K				
		850 CRI >80, 5000K				
		857 CRI >80, 5700K				

Product Ordering Code Examples:

ARM3-120-750-60-D1-WH

ARM3-150-850-120-D3-WH

DRIVER MANUFACTURER			
POWER	D1	D2	D3
80 80W	Inventronics	Inventronics	Inventronics
100 100W	Inventronics	Inventronics	Inventronics
150 150W	Inventronics	Inventronics	Inventronics
200 200W	Inventronics	Inventronics	Inventronics

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

