



- An aesthetic range of die-cast street lights for low to mid-height applications
- Power variants from 25W to 200W; supplied in 3 housing sizes
- IP66 and IK08 design, complete with 10kV Surge Protection, Auto-Disconnect, Tool-free entry and adjustable mounting
- CE, ENEC, and RoHS Approved



CDN:SPEC156REV2

Anderson 2 Series Street Lighting

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	AND2-25A	AND2-35A	AND2-55A	AND2-60B	AND2-90B	AND2-120B	AND2-120C	AND2-150C	AND2-180C	AND2-200C
Nominal Power	25W	35W	55W	60W	90W	120W	120W	150W	180W	200W
Luminaire Efficacy @ CRI>70, 4000K CCT	145lm/W			150lm/W						
Lumen Output @ CRI>70, 4000K CCT	3,625lm	5,075lm	7,975lm	9,000lm	13,500lm	18,000lm	18,000lm	22,500lm	27,000lm	30,000lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥90,000 hours @ Ta 25°C									
Lumen Maintenance (TM21 Calculated)	L70B50 ≥142,000 hours @ Ta 25°C									
Certification	CE, RoHS, ENEC									
Product Warranty	5 Years									

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Philips Lumiled 5050 2D
Chip Efficacy @ CRI>70, 4000K CCT	153lm/W @ 160mA
Light Emission	Direct
CCT	3000K, 4000K, 5000K, 5700K
CRI	≥70
SDCM	<5
Diffusers	Clear
Asymmetric Light Distribution	IESNA Type 2M, 3M

Electrical Parameters:

System Operating Power	25W	35W	55W	60W	90W	120W	150W	180W	200W	
Driver Brand	Meanwell									
Driver Model	HLG-40H		HLG-60H		HLG-120H		HLG-150H	HLG-185H	HLG-240H	
System Power Factor	>0.95									
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)	50A/210μs		55A/265μs		60A/375μs		65A/425μs	65A/445μs	75A/570μs	
Power Factor	>0.95									
THD	<10% (220-240VAC), <20% (100-277 VAC)									
Insulation Class	Class I									
Surge Protection/Fusing	10kV (supplied as standard)									

Environmental Parameters:

IP Rating	IP66
IK Rating	IK08
Ambient Usage Tolerance	-40°C to 50°C
Ambient Storage Tolerance	-40°C to 50°C
Driver automatic turn-off temperature	85°C
Ambient Humidity Tolerance	10% to 90% RH

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Physical/Mechanical Parameters:										
Product Dimensions: LxWxH (mm)	614 x 224 x 135			726 x 357 x 127			861 x 447 x 153			
Windage	0.165m ²			0.311m ²			0.462m ²			
Qty of LED Chips	24	36	48	48	72	96	96	120	144	168
Electrical Connection	Terminal Block									
Fixture Weight²	5.8kg	5.9kg	6.0kg	7.8kg	8.1kg	8.2kg	12.0kg	12.0kg	12.1kg	12.2kg
Fixture Primary Material(s)	Diecast Aluminium Alloy									
Fixture Finish	Anti-corrosion									
Lens(es) Materials	UV Stabilised Tempered Glass & Polycarbonate									
Dimming/Controls Parameters:										
Dimming Options	Programmable									
Built-in Controls	Photocell									
Options/Accessories:										
Mounting Styles	Slip Fit									
Available Product Colours	Light Grey, Dark Grey									

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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Technical Specification Summary



Photocell Control
The luminaire will turn off subject to ambient light levels



Auto-Disconnect
The internal components are automatically electrically disconnected when the housing is opened during maintenance - offering increased personnel safety



Surge Protection Device (10kV)
Helps to protect internal electrical components and extend product life, in the event of excessive power surges



D1 Power Supply
High-end Mean Well HLG (non-dimmable) LED driver offering optimal stability, performance, and lifespan



D4 Power Supply
High-end Inventronics (programmable) LED driver offering optimal stability, performance, and lifespan

Internal Wiring
Terminal block ensures simple maintenance



High Efficacy LED
Philips Lumileds 5050 offers >150lm/W chip output

IESNA Optics
Available with 2 different optical light distributions to optimise uniformity and lux levels



Breather
The in-built housing's breather ensures neutral air-pressure without affecting IP rating. This mitigates condensation and improves the light's service life.



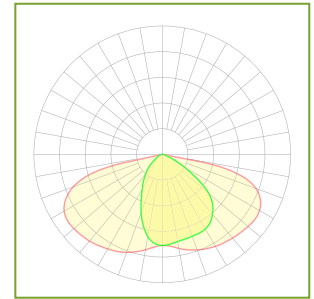
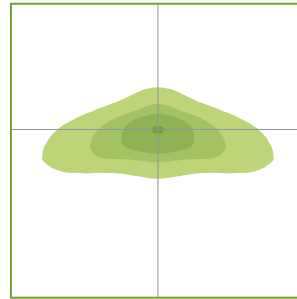
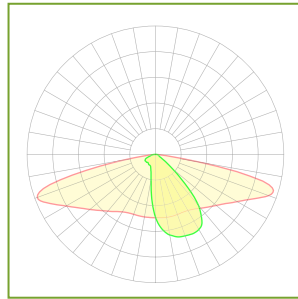
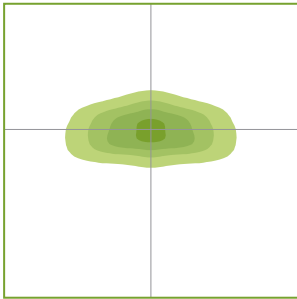
Spirit Level
Internal spirit level ensures correct luminaire positioning during installation

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

IESNA Type 2 Medium

IESNA Type 3 Medium



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

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.

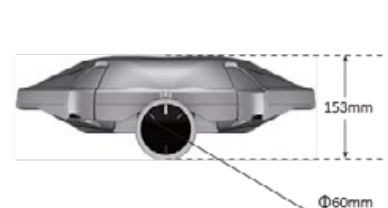
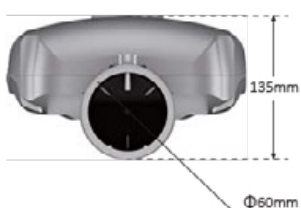
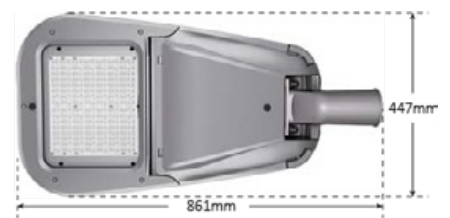
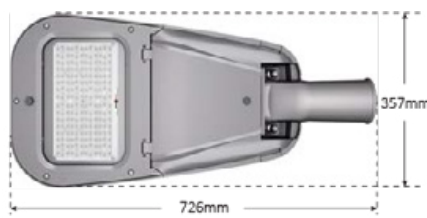
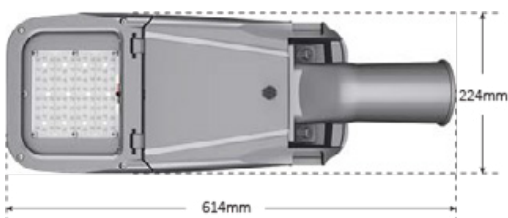


Clear Optic (Various Beam Angles)

A

B

C





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
AND2	25A 25W	730 CRI >70, 3000K	2M IESNA TYPE II MEDIUM	D1 NON-DIM	SI LIGHT GREY	PH1 PHOTOCELL
	35A 35W	740 CRI >70, 4000K	3M IESNA TYPE III MEDIUM	D4 PROGRAMMABLE	GR DARK GREY	
	55A 55W	750 CRI >70, 5000K				
	60B 60W	757 CRI >70, 5700K				
	90B 90W					
	120B 120W					
	120C 150W					
	150C 150W					
	180C 180W					
	200C 200W					

Product Ordering Code Examples:

AND2-25-740-1M-D1-GR

AND2-150-750-2M-D1-SI-PH

DRIVER MANUFACTURER		
POWER	D1	D4
25 25W	Meanwell	Inventronics
35 35W	Meanwell	Inventronics
55 55W	Meanwell	Inventronics
60 60W	Meanwell	Inventronics
90 90W	Meanwell	Inventronics
120 120W	Meanwell	Inventronics
150 150W	Meanwell	Inventronics
180 180W	Meanwell	Inventronics
200 200W	Meanwell	Inventronics

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

