

Specialist sports lighting hardware for application on external sports pitches, pavilions and stadiums.

600W-1200W series range – Lightweight, long-lifetime, narrow optics for zone specific illumination, sophisticated dual tilt technology

CE, RoHS, ENEC international product marks

Ashcroft Series *Sports LED High Mast*



CDN:SPEC196REV4

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	ASH-600	ASH-800	ASH-1000	ASH-1200
Nominal Power	600W	800W	1000W	1200W
Luminaire Efficacy @ CRI>70, 5000K CCT, 5050 chip	160lm/W			
Lumen Output @ CRI>70, 5000K CCT, 5050 chip	96,000lm	128,000lm	160,000lm	192,000lm
Chip Lumen Maintenance	L80B50 ≥111,000 hours @ Ta 25°C			
Certification	CE, RoHS, ENEC			
Product Warranty	5 Years			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size ¹	Seoul LED 5050, Osram 3737, Seoul LED 3030			
Light Emission	Direct			
CCT	5000K, (4000K, 5700K optional)			
CRI ²	≥70, (≥80, ≥90 optional)			
Diffusers	Clear			
Symmetric Light Distribution ¹	12°, 30°, 45°, 60°			
Asymmetric Light Distribution ¹	F1 (38° x 100°), F2 (14° x 108°), F3 (27° x 110°)			
Optical Accessories	Glare Shield			

Electrical Parameters³:

System Operating Power	600W	800W	1000W	1200W
Driver Brand	Sosen			
System Power Factor	>0.9			
Input Voltage	200-240VAC			
Input Frequency	50-60Hz			
Power Factor	>0.9			
Surge Protection/Fusing	10kA (Driver), 20kA (Light Fitting)		6kA (Driver), 20kA (Light Fitting)	

Environmental Parameters:

IP Rating	IP66 (Light Fitting), IP67 (Driver Enclosure)			
IK Rating	IK08			
Ambient Usage Tolerance	-30°C to 40°C			
Ambient Storage Tolerance	-30°C to 40°C			
Ambient Humidity Tolerance	15% to 90% RH			

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	731 x 597 x 356		825 x 597 x 356	
Qty of Modules	2		3	
Windage @ 65° Tilt	0.285m ²		0.371m ²	
Electrical Connection	Terminal Block			
Fixture Weight ⁴	26.0kg	29.8kg	33.2kg	
Fixture Primary Material(s)	Aluminium Alloy			
Fixture Finish	Powder Coating			
Lens(es) Materials	UV Stabilised Glass and Polycarbonate			

Technical Specifications Summary

Code (Series-Wattage/Size)	ASH-600	ASH-800	ASH-1000	ASH-1200
Dimming/Controls Parameters:				
Dimming Options	1-10V, DALI, DALI2 D4i			
Compatible intelligent lighting systems	Wireless Controls and Monitoring			
Options/Accessories:				
Mounting Styles	Universal Bracket			
Available Product Colours	Black			

¹ Seoul 5050 chip only available with 30°, 45°, 60°, F1 optic. Seoul 3030 & Osram 3737 chip only available with 12°, F2, F3 optic

² CRI>90 only available with Seoul 3030 & 5050 chips

³ Electrical Parameter data is for D1 drivers, unless otherwise stated

⁴ Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

Power Decrease of Light with Remote Driver:				
Nominal Power	Cable Length	Cable Diameter	Voltage Decrease	Power Decrease
1200W	10 Metres	1.5mm ²	0.41V	3.36W
		2.0mm ²	0.23V	1.90W
		2.5mm ²	0.15V	1.22W
	20 Metres	1.5mm ²	0.83V	6.74W
		2.0mm ²	0.47V	3.78W
		2.5mm ²	0.30V	2.42W
	30 Metres	1.5mm ²	1.24V	10.1W
		2.0mm ²	0.7V	5.68W
		2.5mm ²	0.45V	3.64W
	40 Metres	1.5mm ²	1.66V	13.48W
		2.0mm ²	0.93V	7.58W
		2.5mm ²	0.60V	4.86W
	50 Metres	1.5mm ²	2.07V	16.84W
		2.0mm ²	1.17V	9.48W
		2.5mm ²	0.75V	6.06W

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.

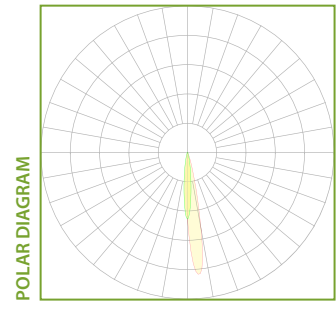
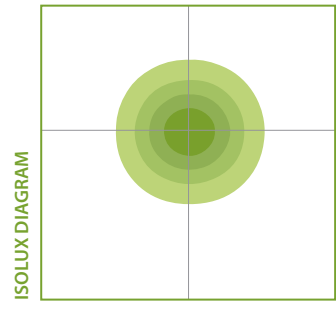
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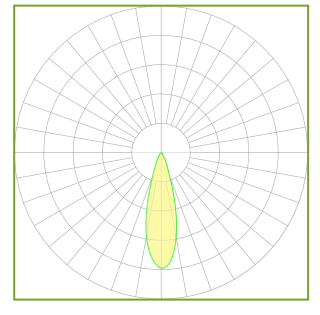
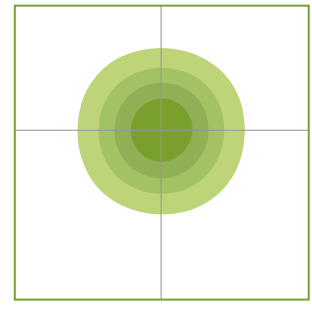
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Indicative Product Photometry

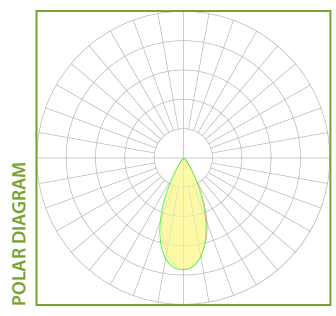
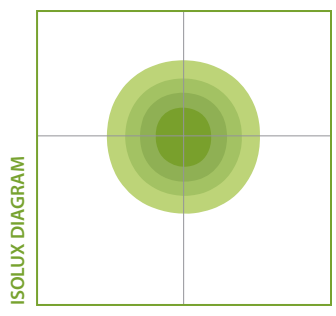
12° Optic



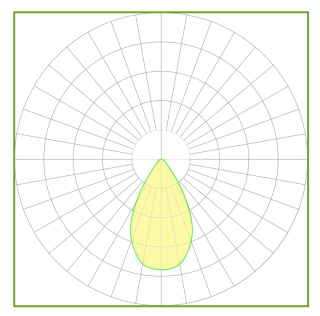
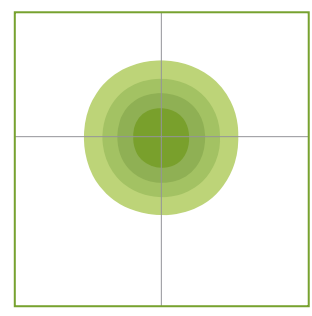
30° Optic



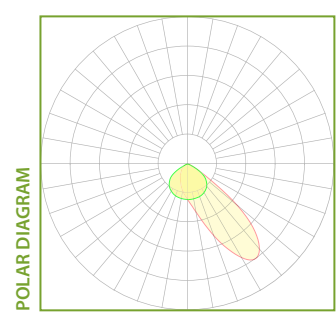
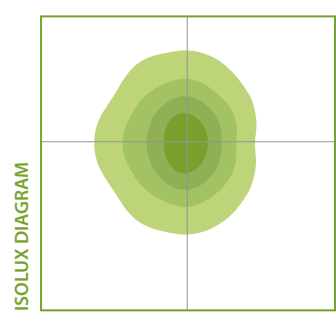
45° Optic



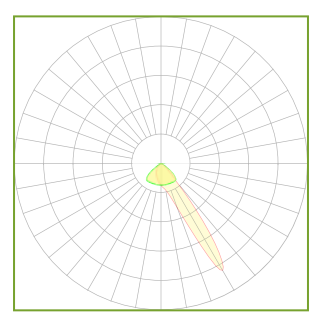
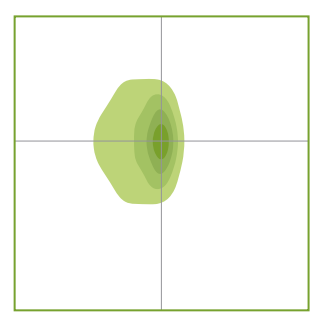
60° Optic



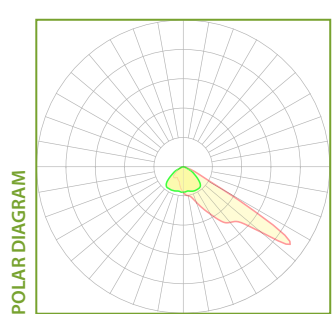
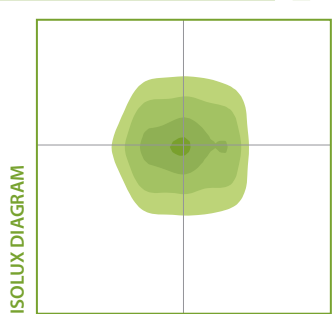
F1 (38x100° Floodlight) Optic



F2 (14x108° Floodlight) Optic



F3 (27x110° Floodlight) Optic

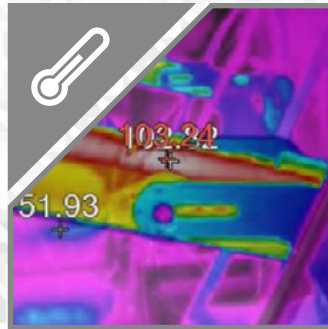


Features Summary



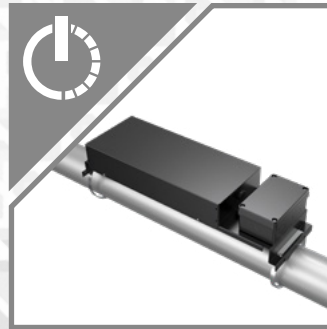
Distribution

Symmetric and Asymmetric distribution options are available; 12°, 20°, 30°, 60°, F1, F2, F3.



Temperature Tolerance

Ashcroft Series has a usage temperature tolerance of -30°C to 40°C



Driver Mounting

Drivers can be installed into a remote IP67 driver enclosure, pole mount or within a distribution box.



Mounting

Handle design on mounting bracket allows for easy adjustments to aim luminaires to the desired locations



Environmental Protection

IP66 rating



Surge Protection

20KV Surge Protection



Vibration Resistance

IK08 Rated



Environmental Protection

To simulate heavy snow fall the Ashcroft has been tested with weighted loads, results have shown it can withstand 400kg/m²



Advanced Controls

System energy reporting, data monitoring, IoT (wireless/wired) networks

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	MOUNTING	COLOUR	MODIFICATION	DRIVER MODIFICATIONS
ASH	600 600W	740 CRI >70, 4000K	12 12° CIRCULAR	D1 NON-DIM	UB UNIVERSAL BRACKET	BL BLACK	GS GLARE SHIELD	"BLANK" DRIVERS MOUNTED ON FITTING
	800 800W	750 CRI >70, 5000K	30 30° CIRCULAR	D3² DALI				DA REMOTE DRIVER ASSEMBLY (FOR HOUSING IN ON-SITE CONTAINMENT)
	1000 1000W	757 CRI >70, 5700K	45 45° CIRCULAR					DE SECURE REMOTE DRIVER IP67 ENCLOSURE
	1200 1200W	840 CRI >80, 4000K	60 60° CIRCULAR					
		850 CRI >80, 5000K	F1 38" x 100" FLOODLIGHT					
		857 CRI >80, 5700K	F2 14" x 108" FLOODLIGHT					
		940¹ CRI >90, 4000K	F3 27" x 110" FLOODLIGHT					
		950¹ CRI >90, 5000K						
		957¹ CRI >90, 5700K						

¹ CRI >90 only available with 5050 & 3030 chips² DALI not available with remote drivers.**GENERAL NOTES:**

- IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE
- PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY
- PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH "...+(MODIFICATION)"
- ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS
- IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED AS NECESSARY

Product Ordering Code Examples:

ASH-800-850-60-D1-UB-BL

ASH-1000-850-F1-D3-UB-BL-GS

DRIVER MANUFACTURER			
POWER	INTEGRATED DRIVER		REMOTE DRIVER
	D1	D3	D1
600 600W	Sosen	Sosen	uPowerTek
800 800W	Sosen	Sosen	uPowerTek
1000 1000W	Sosen	Sosen	Inventronics
1200 1200W	Sosen	Sosen	Inventronics

ACCESSORIES

LP
LASER POINTER