



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

200W-2000W series range – Lightweight, long-lifetime, narrow optics for zone specific illumination, sophisticated dual tilt technology

CE, RoHS & ENEC- Pending international product marks



Alford Series

High Powered Sports LED High Mast

CDN:SPEC202REV1

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	ALF-200	ALF-400	ALF-600	ALF-800	ALF-1200	ALF-1600	ALF-2000
Nominal Power	200W	400W	600W	800W	1200W	1600W	2000W
Luminaire Efficacy @ CRI>70, 5000K CCT,	118lm/W	119lm/W	122lm/W	117lm/W	116lm/W	120lm/W	121lm/W
Lumen Output @ CRI>70, 5000K CCT,	23,600lm	47,600lm	73,200lm	93,600lm	139,200lm	192,000lm	242,000lm
Chip Lumen Maintenance	L80B50 ≥88,000 hours						
Certification	CE, RoHS & ENEC - Pending						
Product Warranty	5 Years						

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Seoul 3737
Light Emission	Direct
CCT	5000K, (4000K, 5700K optional)
CRI	≥70, (≥80, ≥90 optional)
Diffusers	Clear
Asymmetric Light Distribution	Variety of asymmetric 4S optics

Electrical Parameters¹:

System Operating Power	200W	400W	600W	800W	1200W	1600W	2000W
Driver Brand	Sosen			Inventronics/uPowerTek			
System Power Factor	>0.92						
Input Voltage	220-240VAC						
Input Frequency	50-60Hz						
Surge Protection/Fusing	10kV Line-Line 20kV Line-Earth						

Environmental Parameters:

IP Rating	IP66
IK Rating	IK08
Ambient Usage Tolerance	-30°C to 50°C
Ambient Storage Tolerance	-30°C to 50°C

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	400 x 400 x 215	511 x 356 x 336	576 x 356 x 414	518 x 653 x 312	625 x 653 x 397	825 x 722 x 480	963 x 722 x 572
Qty of Modules	1	2	3	4	6	8	10
EPA	0.13m ²	0.18m ²	0.25m ²	0.40m ²	0.50m ²	0.68m ²	0.80m ²
Electrical Connection	Cable connection						
Fixture Weight ²	6.0kg	10.5kg	16kg	17.0kg	25.3kg	43.0kg	49.4kg
Fixture Primary Material(s)	Aluminium Alloy						
Fixture Finish	Powder Coating						
Lens(es) Materials	UV Stabilised Polycarbonate						

Technical Specifications Summary

Code (Series-Wattage/Size)	ALF-200	ALF-400	ALF-600	ALF-800	ALF-1200	ALF-1600	ALF-2000
Dimming/Controls Parameters:							
Dimming Options	1-10V, DALI, DMX						
Compatible intelligent lighting systems	Wireless Controls and Monitoring						
Options/Accessories:							
Mounting Styles	Universal Bracket						
Available Product Colours	Black						

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.

©2020 Kellwood Engineering Ltd. All rights reserved.

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
ALF	200 200W	740 CRI >70, 4000K	4SA 48° x 53° Optic	D1 NON-DIM	UB UNIVERSAL BRACKET	BL BLACK
	400 400W	750 CRI >70, 5000K	4SB 66° Optic	D2 1-10V		
	600 600W	757 CRI >70, 5700K	4SC 66° x 75° Optic	D3 DALI		
	800 800W	840 CRI >80, 4000K	4SD 60° x 56° Optic			
	1200 1200W	850 CRI >80, 5000K	4SE 77° x 56° Optic			
	1600 1600W	857 CRI >80, 5700K				
	2000 2000W	940 CRI >90, 4000K				
		950 CRI >90, 5000K				
	957 CRI >90, 5700K					

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

Product Ordering Code Examples:

ALF-600-850-4SC-D1-UB-BL

ALF-2000-850-4SE-D3-UB-BL

ACCESSORIES

LP
LASER POINTER

