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

400W-1200W series range – Lightweight, long-lifetime, narrow optics for zone specific illumination, sophisticated dual tilt technology

CE, CB, SAA, ETL, DLC international product marks

Alba Series
Sports LED High Mast

CDN:SPEC173REV1

Technical Specifications Summary

Performance Summary:

Code (Series-Wattage/Size)	ALB-400	ALB-600	ALB-800	ALB-1200
Nominal Power	400W	600W	800W	1,200W
Luminaire Efficacy @ CRI>70, 5000K CCT	140lm/W	140lm/W	140lm/W	140lm/W
Lumen Output @ CRI>70, 5000K CCT	56,000lm	84,000lm	112,000lm	168,000lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥60,000 hours @ 25°C			
Lumen Maintenance (TM21 Calculated)	L70B50 ≥100,000 hours @ 25°C			
Certification	CE, CB, SAA, ETL, DLC			
Product Warranty	5 Years			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia GRT-V3
Chip Efficacy @ CRI>70, 5000K CCT	140lm/W
Light Emission	Direct
CCT	5000K, (3000K, 4000K optional)
CRI	≥70Ra, (≥80Ra optional)
Diffusers	Clear
Symmetric Light Distribution	30°, (20°, 60° Optional)
Asymmetric Light Distribution	20°

Electrical Parameters[1]:

System Operating Power	400W	600W	800W	1200W
Driver Brand	Inventronics			
Driver Model	EUD-480	EUD-600	EUD-480	EUD-600
System Power Factor	>0.96			
Typical Driver Lifetime @ ≤ Tc 70°	91,000 Hours			
Input Voltage	100-240VAC			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1	1	2	2
Inrush Current (Non-Dimming Driver)	60A			
Power Factor	>0.95			
THD	<15% (100-277VAC)			
Surge Protection/Fusing	10KV, (15KV, 20KV Optional)			

Environmental Parameters:

IP Rating	IP66
IK Rating	IK08
Ambient Usage Tolerance	-40°C to 45°C
Ambient Storage Tolerance	-40°C to 65°C
Ambient Humidity Tolerance	15% to 90% RH

Code (Series-Wattage/Size)	ALB-400	ALB-600	ALB-800	ALB-1200
Physical/Mechanical Parameters:				
Product Dimensions: LxWxH (mm)	667 x 403 x 377	649 x 742 x 438	742 x 649 x 438	1014 x 651 x 440
Windage @ 45° Tilt	0.148m²	0.271m²	0.278m²	0.395m²
Electrical Connection	2.5m cable			
Fixture Weight²	14.5kg	25.5kg		36kg
Fixture Primary Material(s)	Aluminium Alloy			
Fixture Finish	Powder Coating			
Lens(es) Materials	Tempered Glass and Polycarbonate Optical Lens			
Dimming/Controls Parameters:				
Dimming Options	Non-Dimming, 0-10V, DALI			
Compatible intelligent lighting systems	Wireless Lighting 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
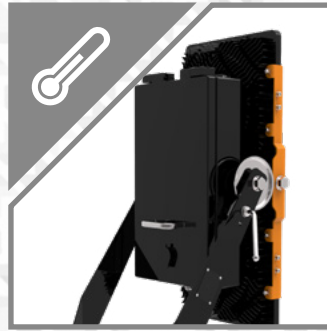
Features Summary

Distribution

There are symmetric light distribution options available; 20°, 30°, 60° and asymmetric optic option
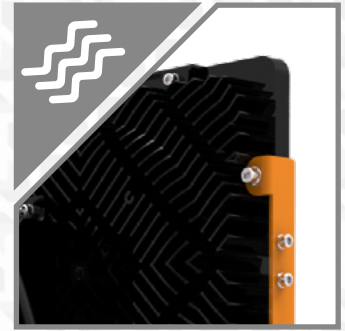
Temperature Tolerance

Alba Series has a usage temperature tolerance of -40°C to 45°C

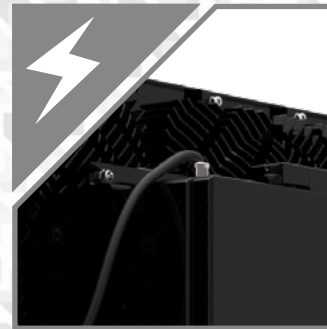### DALI

DALI dimming controls available

Vibration Resistance
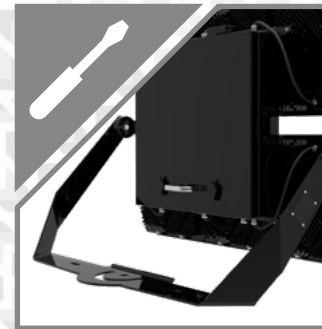
IK08 Rated

Environmental Protection

IP66 rating

Surge Protection

20KV/15KV/10KV Surge Protection

Mounting

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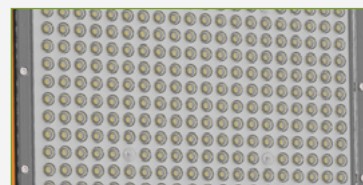
Advanced Controls

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

Diffuser

This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity.
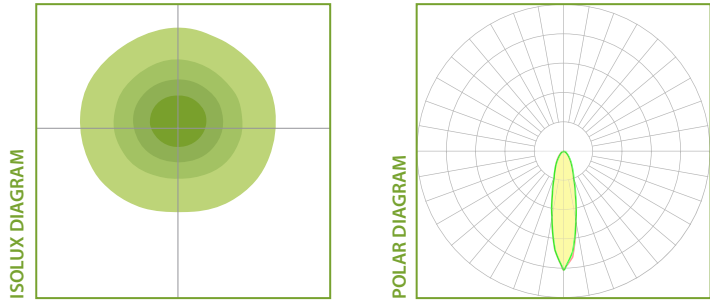Please refer to downloadable photometrics for exact data.
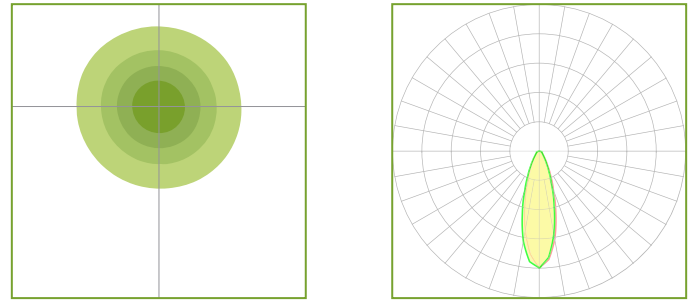
Clear Optic (Various Beam Angles)

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

20° Optic

ISOLUX DIAGRAM

POLAR DIAGRAM

30° Optic

ISOLUX DIAGRAM

POLAR DIAGRAM

60° Optic

ISOLUX DIAGRAM

POLAR DIAGRAM
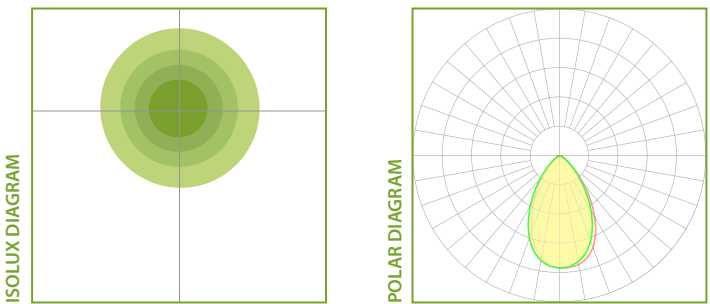
F8 (20° Floodlight) Asymmetric Optic

Dimensional Drawings

Universal Bracket - 400W

403
337
667
616
377
190

Universal Bracket - 600W/800W

742
609
540
649
584
438
195

Universal Bracket - 1200W

1014
880
810
651
584
440
195
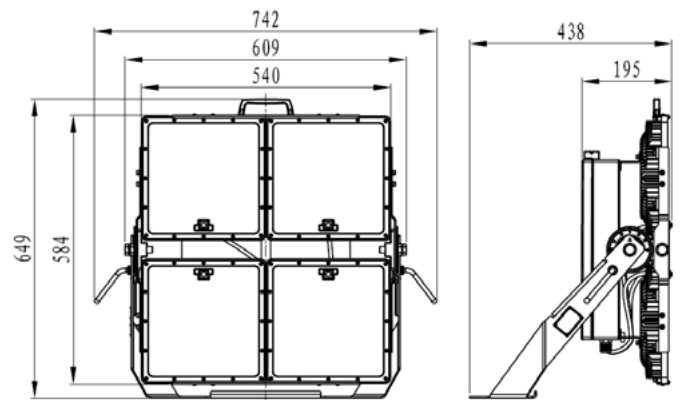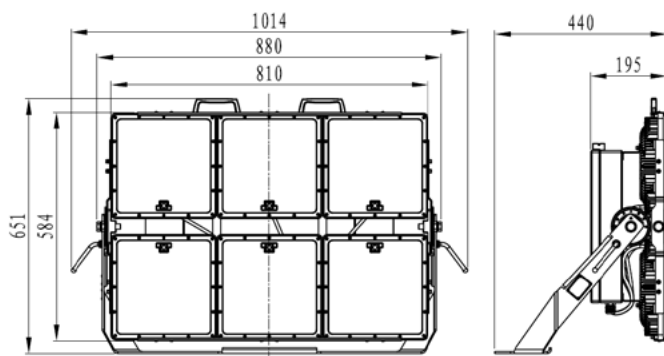
All units in mm

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

Product Ordering Codes

Standard product code fields are presented as:
Further customisation may be available - please contact us if required

CODE
Description

830
CRI>80, 3000K

PRODUCT	POWER	CRI & CCT	OPTIC	DRIVER	MOUNTING	COLOUR	DRIVER MODIFICATIONS
ALB	**400** 400W	**730** CRI >70, 3000K	**10** 10° CIRCULAR	**D1** NON-DIM	**UB** UNIVERSAL BRACKET	**BL** BLACK	**"BLANK"** DRIVERS MOUNTED ON FITTING
	600 600W	**740** CRI >70, 4000K	**20** 20° CIRCULAR	**D3** DALI			**DA** REMOTE DRIVER ASSEMBLY (FOR HOUSING IN ON-SITE CONTAINMENT)
	960 960W	**750** CRI >70, 5000K	**30** 30° CIRCULAR	**D4**[1] NON-DIM			**DE** SECURE REMOTE DRIVER IP66 ENCLOSURE
	800 800W	**830** CRI >80, 3000K	**60** 60° CIRCULAR	**D5**[1] DALI			
	1200 1200W	**840** CRI >80, 4000K	**F8** 20° FLOODLIGHT				
		850 CRI >80, 5000K					

[1] FOR USE WITH REMOTE DRIVER ASSEMBLY "DA" OPTION

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:
ALB-400-750-30-D1-UB-BL
ALB-1200-850-20-UB-BL-DA

DRIVER MANUFACTURER				
POWER	**D1 (NON-DIM)**	**D3 (DALI)**	**D4 (NON-DIM)**	**D5 (DALI)**
400 400W	Meanwell	Inventronics	Inventronics	Inventronics
600 600W	Meanwell	Inventronics	Inventronics	Inventronics
800 800W	Meanwell	Inventronics	Inventronics	Inventronics
1200 1200W	Meanwell	Inventronics	Inventronics	Inventronics

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

ACCESSORIES
2C *"LENGTH IN METRES"* 2-CORE POWER CABLE (LAMP-DRIVER) PER METRE (400W-600W)
4C *"LENGTH IN METRES"* 4-CORE POWER CABLE (LAMP-DRIVER) PER METRE (800W-1200W)
ALB-DE-D1-*"POWER"* REMOTE NON-DIM DRIVER ENCLOSURE
ALB-DE-D3-*"POWER"* REMOTE DALI DRIVER ENCLOSURE
ALB-DA-D4-*"POWER"* REMOTE NON-DIM DRIVER ASSEMBLY
ALB-DA-D5-*"POWER"* REMOTE DALI DRIVER ASSEMBLY