

CHALLENGER 1®

AL6000 Series

IP66

IK08



Abacus®

Leaders in Lighting

A high performance floodlight providing excellent light control for outdoor sports grounds and small stadiums where obtrusive light control is an essential requirement.

Benefits

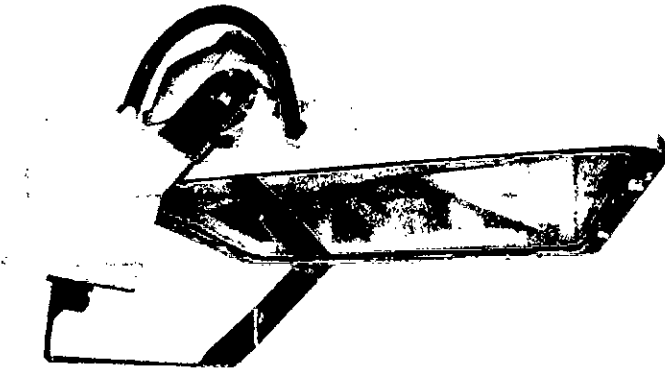
- Reduced light overspill and glare with excellent forward throw of light from the 60° peak beam elevation
- Increased options of effective light distribution as the adjustable lamp holder supports offer two additional variations of peak beam elevation
- Dark skies friendly fitting ideal for projects nearby residential areas with specific light regulations, with low light pollution ULOR 0%
- Ease of maintenance via two rear doors with no requirement for tools

Technical Features

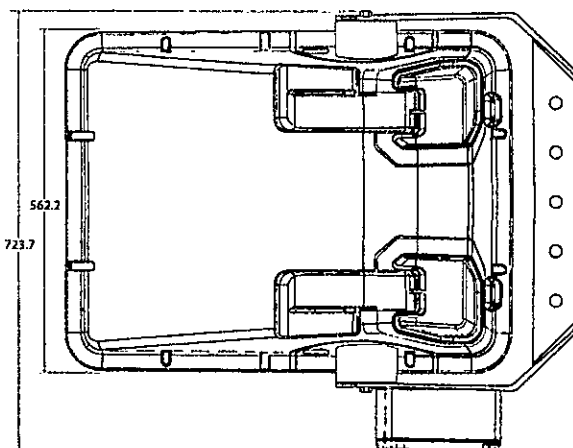
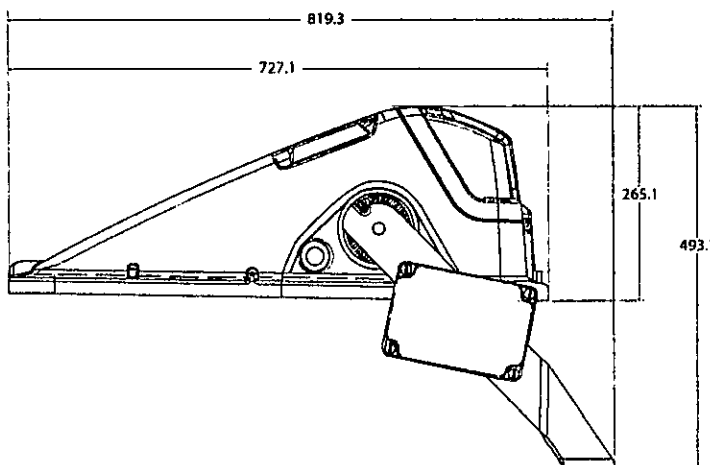
- High powered lamp capabilities 1kW / 2kW metal halide
- 1000W and 2000W MHN-LA & MHN-FC 2200W, MH-TS2000W/XL, HQI-TS2000WNL
- High pressure die cast aluminium type EN AC 43400
- Stainless steel clamps and fixings
- 6mm galvanised steel mounting bracket with M20 bolt hole
- 4mm tempered, low iron, high transmission glass
- IP66, IK08 ratings, CE marked
- Available in double asymmetric: narrow, medium and wide beam distributions
- 60° peak beam elevation as standard on all beam widths
- High purity, polished and anodised aluminium reflector system
- Lamp holder support can be adjusted for 55° and 65° peak beam elevation capabilities as standard
- Upward Light Output Ratio (ULOR): < 0% at 60° peak beam elevation
- Low light pollution resulting in a dark skies friendly lantern
- Front, rear and side cowl available
- Electrical connection box : (IP66) housing containing the ignitor and the power connection, located on the side of the stirrup
- Fitted with 2 x GORE™ membrane breathers for floodlight air pressure regulation
- Toolless lamp access via two rear doors, secured with hand operated latches

Applications

- Sport



Dimensions (mm)



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Code	Wattage (kW)	Lamp	Beam	Weight (kg)
AL6001	2.2	MHN-FC/B	Narrow	21.4
AL6002	2.2	MHN-FC/B	Medium	21.4
AL6003	2.2	MHN-FC/B	Wide	21.4
AL6004	2	MHN-LA	Narrow	21.4
AL6005	2	MHN-LA	Medium	21.4
AL6006	2	MHN-LA	Wide	21.4
AL6007	2	HQI-TS/N/L	Narrow	21.4
AL6008	2	HQI-TS/N/L	Medium	21.4
AL6009	2	HQI-TS/N/L	Wide	21.4
AL6010	1	MHN-FC	Narrow	21.4
AL6011	1	MFN-FC	Medium	21.4
AL6012	1	MHN-FC	Wide	21.4
AL6013	2	MH-TS 2kW/XL	Narrow	21.4
AL6014	2	MH-TS 2kW/XL	Medium	21.4
AL6015	2	MH-TS 2kW/XL	Wide	21.4
AL6016	1	MHN-LA 842	Narrow	21.4
AL6017	1	MHN-LA 842	Medium	21.4
AL6018	1	MHN-LA 842	Wide	21.4
AL6019	1	MHN-LA 956	Narrow	21.4
AL6020	1	MHN-LA 956	Medium	21.4
AL6021	1	MHN-LA 956	Wide	21.4
AL6022	2	MHN-LA 956	Narrow	21.4
AL6023	2	MHN-LA 956	Medium	21.4
AL6024	2	MHN-LA 956	Wide	21.4

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Lamp Manufacturer	Lamp Reference	Lamp Wattage (W)	Colour Temperature (K)	RA	Lumen Output (lm)	Lamp Current (A)	Supply Voltage	Total Circuit Watts (W)
Venture								
2kW MH-TS 2kW/XL	MH-TS2000W/XL/K12/745	2k	4500	65	240000	10.3	380/400/415V	2150
Philips								
2kW MHN-FC/B	MHN-FC2.2KW400V/640	2.2	4100	60	232000	11	380/400/415V	2240
2kW MHN-LA 842	MHN-LA2KW400V/842	2	4100	80	220000	9.6	380/400/415V	2105
2kW MHN-LA 956	MHN-LA2KW400V/956	2	5600	90	190000	10.3	380/400/415V	2113
1kW MHN-LA 842	MHN-LA1KW230V/842	1	4200	70	95800	9.3	230V/240V	1040
1kW MHN-LA 956	MHN-LA1KW230V/956	1	5600	80	87000	9.3	230V/240V	1040
2kW MHN-FC	MHN-FC2KW400V/740	2	4200	60	210000	10.11	380/400/415V	2105
1kW MHN-FC	MHN-LA2KW230V/740	1	4100	65	220004	9.6	230V/240V	1040
Osram								
2kW HQI-TS/N/L	HQI-TS2000WNL	2	4100	65	230000	10.4	380/400/415V	2105

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