

CHALLENGER[®] 2 AL5800

IP66

Benefits

- The Challenger 2 offers an asymmetric reflector ideally suited to lighting medium and larger stadia from the side, typically from the roof
- The floodlight bears the quality hallmarks of the Challenger floodlight range

Technical Features

- Body of high pressure die cast aluminium, finished in light grey (RAL7035), polyester powder coating
- Reflector system of high purity, polished and anodised aluminium. Incorporating an internal baffle to improve efficiency and reduce glare
- Toughened front glass, secured by cast aluminium front frame
- Galvanised steel stirrup, with additional elevation locking screws
- Electrical connection box (IP66) housing ignitor, located on side of stirrup, fitted with 2 x GORE™ membrane
- Designed to accept double ended, long arc 2kW or 1kW metal halide lamps
- Dual provision on the side of the floodlight body to attach the gun sight aiming device to allow accurate beam alignment (AL5931)
- Easy access for re-lamping via opening of the rear cover. Positive closure via large stainless steel catch



Colorline Stadium, Norway



Technical Specifications

	Beam Type	Lamp: Manufacturer Product Code	Lamp Manufacturer	Lamp: Abacus Product Code	Lampholder Type
AL5801	Narrow	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
AL5802	Medium	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
AL5803	Wide	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
AL5804	Narrow	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
AL5805	Medium	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
AL5806	Wide	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
AL5807	Narrow	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
AL5808	Medium	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
AL5809	Wide	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
AL5810	Narrow	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7
AL5811	Medium	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7
AL5812	Wide	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7

Lamp references



HQI-TS
MH-TS



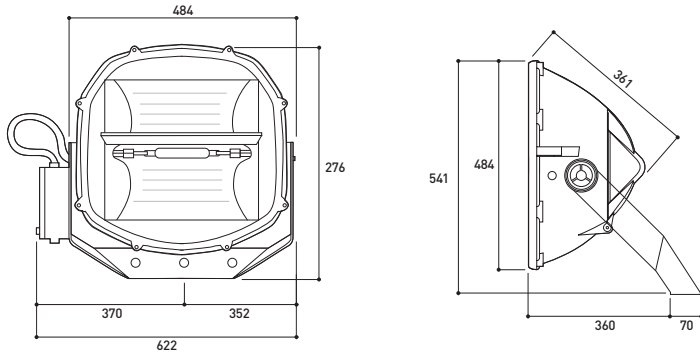
MHN-LA

Lamp Manufacturer & Lamp Ref.	Lamp Wattage	Colour Temp	RA:	Lamp Lumen Output: (Initial lm)	Lamp Current:	Supply Voltage:	Total Circuit Power:
Venture MH-TS2000W/L/K12/4K	2kW	4500K	65	240,000 l.lm	10.3A	380/400/415V	2150W
Philips MHN-LA2KW400V/842	2kW	4200K	85	220,000 l.lm	9.6A	380/400/415V	2105W
MHN-LA2K400V/956	2kW	5600K	90	190,000 l.lm	10.3A	380/400/415V	2113W
MHN-LA1KW/842	1kW	4200K	80	100,000 l.lm	9.3A	230/240V	1040W
Osram HQI-TS2000WNL	2kW	4400K	65	230,000 l.lm	10.7A	380/400/415V	2180W
HQI-TS2000WDL	2kW	5400K	85	20,5000 l.lm	10.3A	380/400/415V	2180W

Technical information may alter dependent on control gear used

Dimensions

Dimensions in mm



Mounting:

Stirrup mounted using M20 fixing
Stirrup adjustment +/- 140°

Weight: 15Kg. **Front wind area:** 0.196m² 70°
max setting

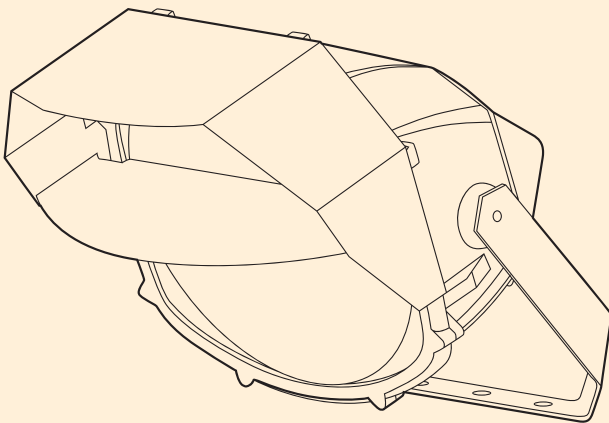
Maintenance



Easy Maintenance:

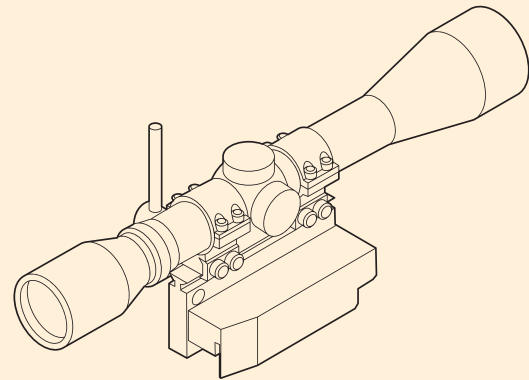
Access to the lamp by means
of opening the rear door

Accessories



Single blade louvre – AL5922

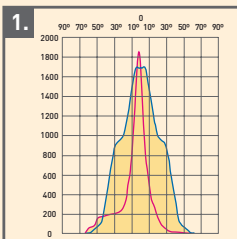
This accessory for the Challenger 2 & 3 minimises upward light while maintaining good vertical lighting levels on the playing field



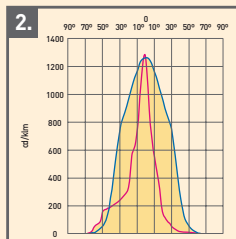
Aiming tool kit – AL5931

Set of equipment and instructions to enable the Challenger 2 & 3 to be aimed with pinpoint accuracy to a specific point on the design area. Allows the highest level of control over the aiming and commissioning part of a floodlighting project

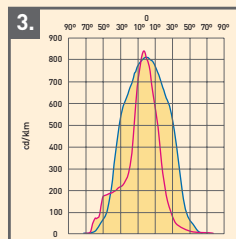
Key features



AL5804
2kW MHN-LA2KW
Narrow beam



AL5805
2kW MHN-LA2KW
Medium beam



AL5806
2kW MHN-LA2KW
Wide beam