

# 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 breathers
- 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
<b>AL5801</b>	Narrow	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
<b>AL5802</b>	Medium	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
<b>AL5803</b>	Wide	2kW: HQI-TS 2000W/N/L	Osram	LPW2000M/LA	K12s-7
<b>AL5804</b>	Narrow	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
<b>AL5805</b>	Medium	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
<b>AL5806</b>	Wide	2kW: MHN-LA2KW/842 & 956	Philips	LPP2000MHN-TD (842) & LPP2000/D (956)	XWH-UNP
<b>AL5807</b>	Narrow	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
<b>AL5808</b>	Medium	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
<b>AL5809</b>	Wide	1kW: MHN-LA1KW/842 & 956	Philips	LPP1000MHN-TD (842) & LPP1000MHD-TD (956)	XWH-UNP
<b>AL5810</b>	Narrow	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7
<b>AL5811</b>	Medium	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7
<b>AL5812</b>	Wide	2kW: MH-TS2000W/L/K12/4K	Venture	LPV2000M/LA	K12s-7
<b>AL5813</b>	Narrow	2kW: MH-TS2000W/XL/K12/745	Venture	LPV2000MH-TS-XL	K12s-7
<b>AL5814</b>	Medium	2kW: MH-TS2000W/XL/K12/745	Venture	LPV2000MH-TS-XL	K12s-7
<b>AL5815</b>	Wide	2kW: MH-TS2000W/XL/K12/745	Venture	LPV2000MH-TS-XL	K12s-7

### Lamp references



**HQI-TS**  
**MH-TS**



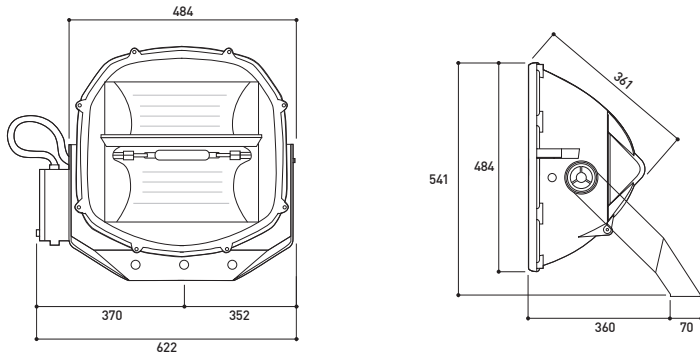
**MHN-LA**

Lamp Manufacturer & Lamp Ref.	Lamp Wattage	Colour Temp	RA:	Lamp Lumen Output: (Initial lm)	Lamp Current:	Supply Voltage:	Total Circuit Power:
<b>Venture</b>							
MH-TS2000W/L/K12/4K	2kW	4500K	65	240,000 l.lm	10.3A	380/400/415V	2150W
MH-TS2000W/XL/k12/745	2kW	4500K	65	240,000 l.lm	10.3A	380/400/415V	2150W
<b>Philips</b>							
MHN-LA2KW400V/842	2kW	4200K	80	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-LA1KW230V/842	1kW	4200K	80	100,000 l.lm	9.3A	230/240V	1040W
<b>Osram</b>							
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:** 0.196m<sup>2</sup> 70°  
max setting

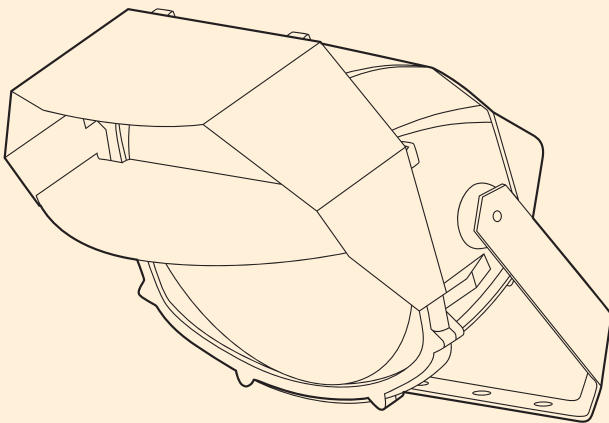
## Maintenance



### Easy Maintenance:

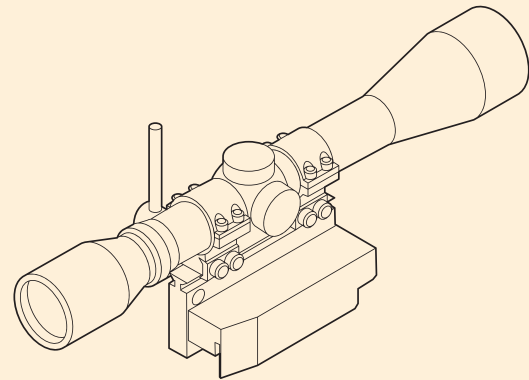
Access to the lamp by means  
of opening the rear door

## Accessories



### Single blade louvre – AL5922

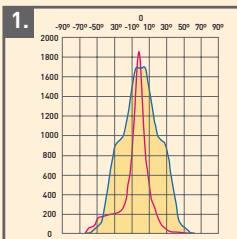
This accessory for the Challenger 2 & 3 minimises  
upward light while maintaining good vertical lighting  
levels on the playing field



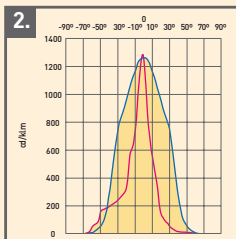
### Aiming tool kit – AL5931

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

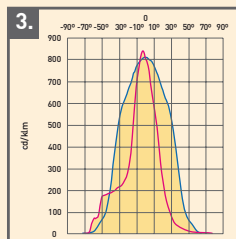
## Key features



**AL5804**  
2kW MHN-LA2KW  
Narrow beam



**AL5805**  
2kW MHN-LA2KW  
Medium beam



**AL5806**  
2kW MHN-LA2KW  
Wide beam