



**Housing:** In die-cast aluminium EN AB 46100.

**Cover:** in die-cast aluminium EN AB 46100 with cooling fins. Lamp housing rear access. Hinge opening with stainless steel latches.

**Reflector:** asymmetric, in polished aluminium 99.85, anodically oxidized and polished, the luminous flux can be adjusted to obtain 4 different photometric distributions.

**Diffuser:** tempered glass, 4 mm thick, resistant to thermal shock and impact (UNI EN 12150-1:2001 tests). 20° tilt angle glass to obtain high-asymmetry louvre efficiency and maximum luminous intensity.

**Coating:** polyester resin powder paint, resistant to corrosion and saline environments.

**Lamp holder:** can be adjusted in 4 different positions to change photometric distribution in relation to the position of the installation.

**Electric gear:** 230V/50Hz power supply (1000W) or 400V (2000W) wire terminated with admiralty brass clamps, silicone insulation with fibreglass braid, cross-section 2.5 sq mm. 2P+T terminal block, maximum allowed lead cross section 6 sq mm.

**Standard supply:** tool-free maintenance operations. Disconnecting switch supplied to interrupt the line during maintenance.

**Equipment:** silicone rubber gasket. 1/2 gas nylon cable gland. Galvanized steel bracket coated with goniometric scale. Stainless steel external screws. Air recycling valve.

Requirements: sports lighting systems:

- excellent horizontal and vertical lighting
- even light distribution
- vertical lighting camera setting
- chromatic performance
- reduced light pollution/dazzling

This is due to higher game levels and increased speed; as a result, improved light quality and luminaires are required.

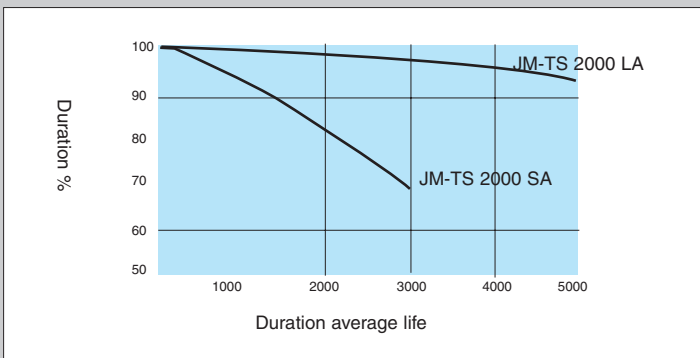
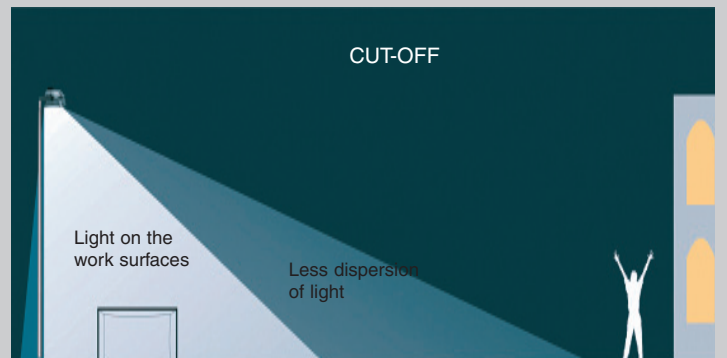
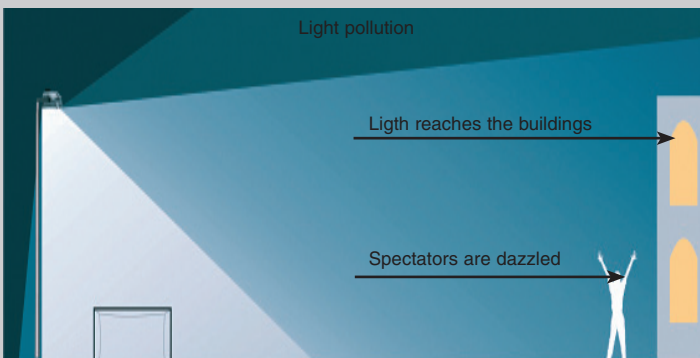


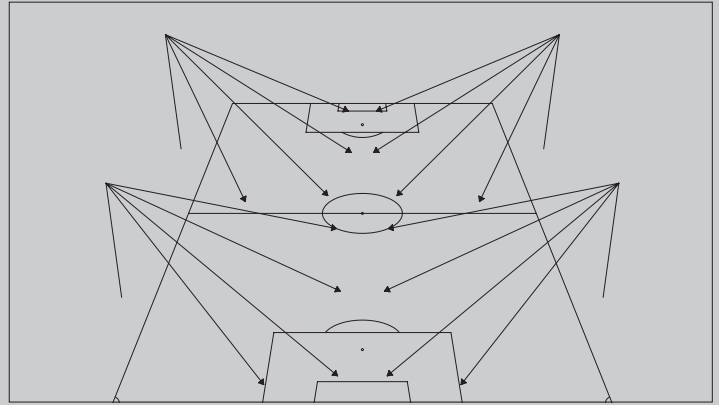
Table of lamp characteristics

	LA 2000w 400V/842	LA 2000w 400V/956	LA 1000w 230V/842	LA 1000w 230V/956	HQI-TS2000w 400V/841
P	2040	2040	1040	1040	2180
Flux lm	220.000	190.000	100.000	90.000	225.000
T colour (k°)	4200	5600	4200	5600	4100
Ra	80	90	80	90	60-69



**Project example**

CHARACTERISTICS				LIGHTING RESULTS		
Pole height	Range	Lamp W	Quantity	E average lux	E minimum E average	Coef. used
4 pole 20m	105x65	JM-TS/LA 2000W	24	304	0,73	0,50
4 pole 20m	105x65	JM-TS/LA 2000W	12	168	0,72	0,54
4 pole 16m	100x60	JM-TS/LA 2000W	20	310	0,75	0,51
4 pole 16m	100x60	JM-TS/LA 2000W	12	205	0,60	0,57
4 pole 25m	105x65	JM-TS/LA 2000W	28	317	0,74	0,50



**Optics group development**

The development of optic units for sports facilities has improved the efficiency of the luminaires in order to guarantee increasingly efficient lighting performance.

As opposed to traditional solutions, this is achieved by tilting the reflector's glass cover by 20° in relation to the horizontal worktop, thus creating a front screen that protects the upward light flux.

Glass inclination reduces the negative effect of the incidence angle of rays of light on the glass, improving photometric distribution and floodlight efficiency.

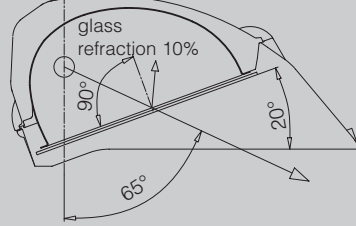
Olympic is the floodlight designed for perfect horizontal installation (cut-off), whilst providing excellent even light distribution in the lit area, in compliance with non-polluting requirements.

The designer has 4 different light beams to use for the floodlight lamp, which can be adjusted in 4 different positions to meet different planning requirements.

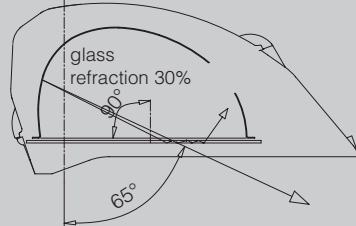
The 4 different light beams available, including the widest and the narrowest one, in combination with a highly asymmetric tilt angle, boost light efficiency in the area to illuminate, guaranteeing good even light distribution and reducing the amount of light dispersed outside the area concerned, as well as intrusive and dazzling light in the surrounding areas.

The flexibility of the Olympic lamp makes the luminaire particularly suitable for indoor and outdoor system planning, providing good visual comfort to players and spectators alike.

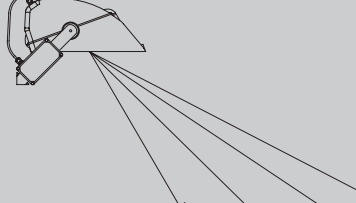
The optical system comes with a lamp holder that can be adjusted in 4 different positions, lending itself to different photometric curves according to the type of installation chosen.



**TILTED GLASS**  
90% maximum light intensity

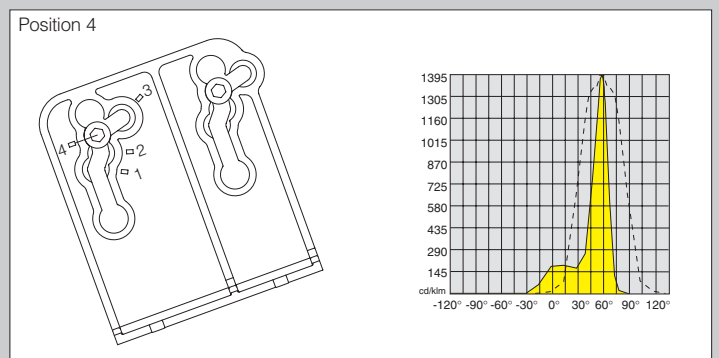
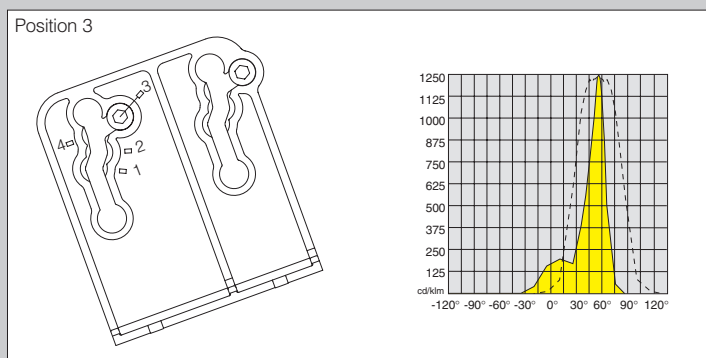
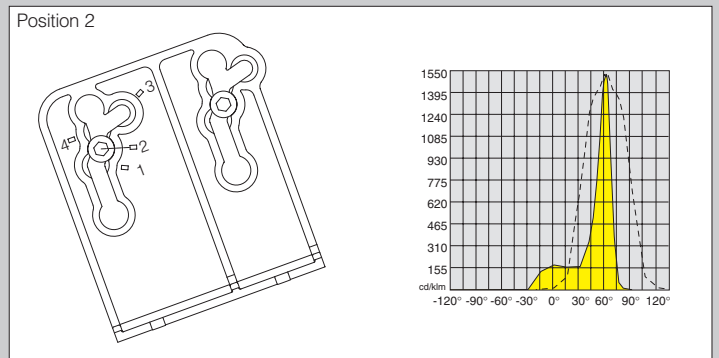
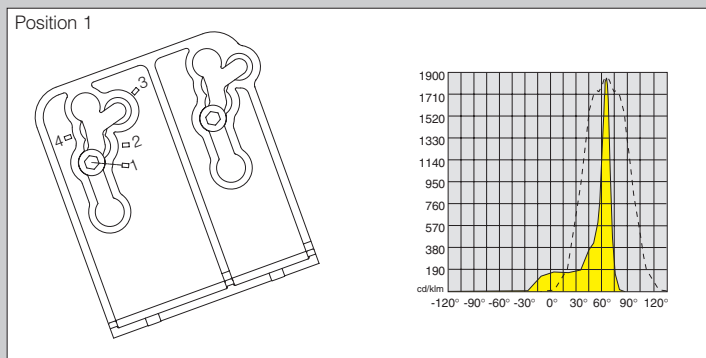


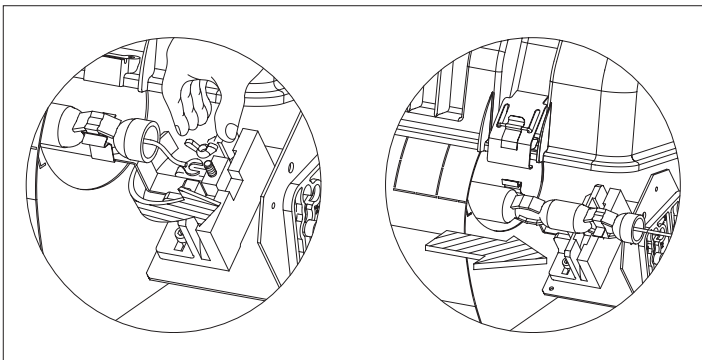
**GLASS FLAT**  
70% maximum light intensity



The different positions of the lamp are designed to obtain different asymmetric angles without tilting the floodlights.

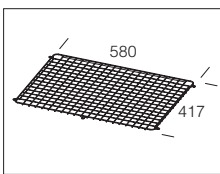
EXTERIOR FLOODLIGHTS



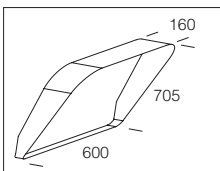


Bracket with goniometric scale and locking pin designed to avoid altering the aiming system. Accurate aiming visor. Stainless steel latch.

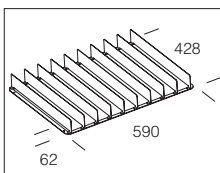
The lamp housing opens on hinges and stays hooked to the housing. Supplied with f.g. nylon switch box



**acc. 478 protection guard**  
black 995780  
Plastic-coated steel rod. For protection against impact. To install with acc. 112.



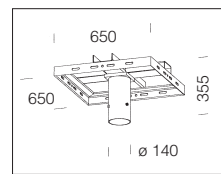
**acc. 479 conveyor**  
black 995781  
Made of steel. To convey the beam in one direction. To install with acc. 478.



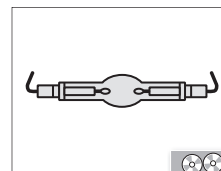
**acc. 480 louvre**  
black 995782  
Made of steel. To reduce glare and improve light control.



**acc. 1177 gear CC IP65**  
JM-TS/SAP-T 1000 997640-00  
JM-TS 2000 997642-00  
Aluminium box with removable steel gear tray. Contents: ballast and capacitor.



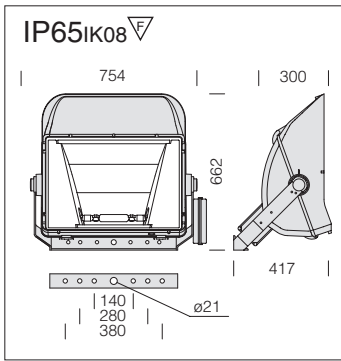
**acc. 163 steel pole mount**  
galvanized 998094  
To be used to install up to 4 Olympic floodlights on steel poles.



**Short arc lamps SA**  
JM-TS1000/230V 986113  
JM-TS2000/400V 986118  
When ordering specify the type and the colour of the lamps.  
986113: 4400 K-90000 lm-90 lm/W-Ra 1B  
986118: 5900 K-200000 lm-100 lm/W-Ra 1A



**Long arc lamps LA**  
JM-TS 1000/230V 986121  
JM-TS 2000/400V 986122  
JM-TS 2000/400V 986122-49  
When ordering specify the type and the colour of the lamps.  
986121 - 5600K (for TV filming) Ra 90  
986122 - 5600K (for TV filming) Ra 90  
986122-49 - 4400K - 2B - Ra 85



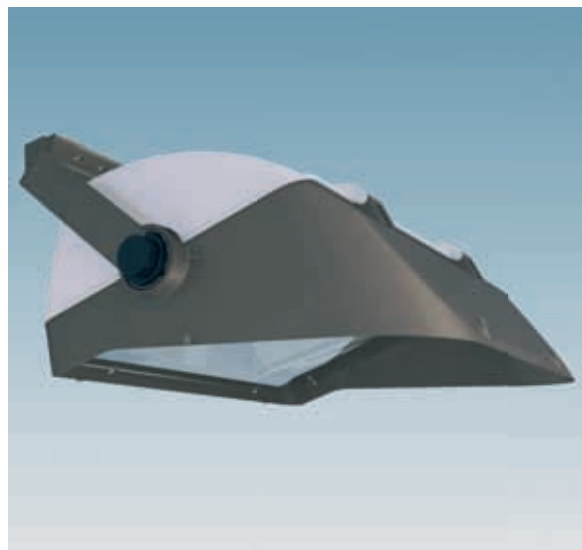
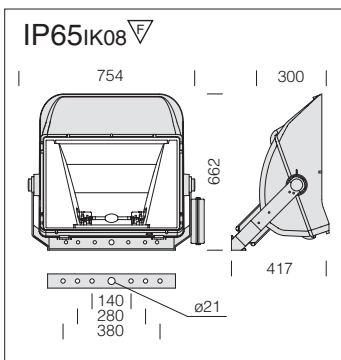
JM-TS..LA a cavo		L=1400cm <sup>2</sup> F=2300cm <sup>2</sup>	
SAP-T E40	JM-T E40	ASYMMETRIC VARIABLE: 55°-60°-65°	P



**1808 Olympic - asymmetric for Lamps LA**

wattage	colour	S		S+L		CNR hot start		Lamps (Ta=25°C)
		weight	code	weight	code	weight	code	Kelvin - olm - Ra
<b>Max-TS 1000LA</b>	silv.+grap.	17.85	415210-00			20.85	415210-99	
<b>Max-TS 2000LA</b>	silv.+grap.	17.85	415211-00			20.85	415211-99	
<b>SAP-T 1000</b>	silv.+grap.			17.55	415212-00			2000K - 130000lm - Ra 4
<b>JM-T 1000</b>	silv.+grap.			17.55	415213-00			4400K - 90000lm - Ra 1b

Please note: floodlight sub-code -49 should be ordered when using lamp sub-code -49. Without electric gear (see acc. 1177).



JM-TS..SA short arc		L=1400cm <sup>2</sup> F=2300cm <sup>2</sup>	
		ASYMMETRIC VARIABLE: 55°-60°-65°	P



**1809 Olympic - asymmetric for Lamps SA**

wattage	colour	S		CNR hot start	
		weight	code	weight	code
<b>Max-TS 1000SA</b>	silv.+grap.	17.85	415220-00	20.85	415220-99
<b>Max-TS 2000SA</b>	silv.+grap.	17.85	415221-00	20.85	415221-99

Without electric gear (see acc. 1177).