

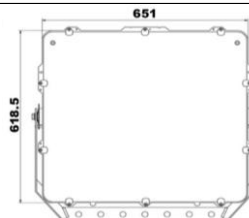


LEDMASTER ONE SYMM - Separated Drivers Box - On-board Connections

GENERAL CHARACTERISTICS



Type	Floodlight
Application	Large Sport venues (HDTV), Airports, Naval Grounds
Power usage (LED + DRIVER)	From 900W to 1300W
Nominal flux of the LED system	See Table below
Actual outbound flux	See Table below
DEVICE CHARACTERISTICS	
Temperature Range	-35° C to +50° C
Complete Lighting Body	26,5 kg
Surface frontal wind resistance with tilt 65°	0,38 m ²



TECHNICAL CHARACTERISTICS - LedMaster ONE CRI >70

Isolation class	CL I	
Colour temperature	5000K – CRI >70	
Power correction factor	> 0,9	
Nominal flux of the LED system	TA 35° C up to 210000 Lumen	TA 50° C up to 170000 Lumen
Usefull Lumen Output	TA 35° C up to 170.000 Lumen	TA 50° C up to 140.000 Lumen
Overall protection degree	IP66	
Protection degree against external impacts	IK09	
Certifications	CE	
Construction standards	EN 60598-1, EN 60598-2-5	
Photobiologic Risk Certification	Risk free according to EN 62471	

TECHNICAL CHARACTERISTICS - LedMaster ONE CRI >80

Isolation class	CL I	
Colour temperature	5000K – CRI >80	
Power correction factor	> 0,9	
Nominal flux of the LED system	TA 35° C up to 190000 Lumen	TA 50° C up to 160000 Lumen
Usefull Lumen Output	TA 35° C up to 158000 Lumen	TA 50° C up to 130.000 Lumen
Overall protection degree	IP66	
Protection degree against external impacts	IK09	
Certifications	CE	
Construction standards	EN 60598-1, EN 60598-2-5	
Photobiologic Risk Certification	Risk free according to EN 62471	

SURGE PROTECTION

All versions are protected against power surges to protect components and LEDs	
CL I:	10kV both in common and differential modes.

MATERIALS and FINISHINGS

LED	High Power LED technology (12V) on a pressed aluminum circuit, highly heat-dissipating MCPCB (Metal Core Printed Circuit Board) -64, 80 LED Multidie - 288 LED Singledie
Driver & Options	230V, also available with DALI Controller
Body, Cover, Power and accessories box	In high-pressure die-cast alluminum (EN AB 47100) with low copper content and high resistance to atmospheric effects.
Upper cover	With cross-sectional cooling fins with highly aesthetic aspect
Coating	In Polyester dusting silver colour (RAL 9006).
Glass	Extra-clear tempered glass, 4mm thick.
Optics	High performance metallized Reflectors
Pressure compensation filter	In Teflon.
Gaskets	Anti-aging rubber.
External screws	Stainless steel.

MAINTAINED AVERAGE LUMINOUS FLUX

L90 B10

Body-mounted External Drivers TA 35° C	>50.000 Hours
Body-mounted External Drivers TA 50° C	>40.000 Hours

L80 B10

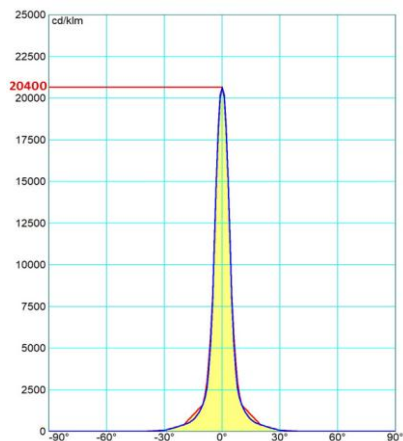
>90.000 Hours
>80.000 Hours



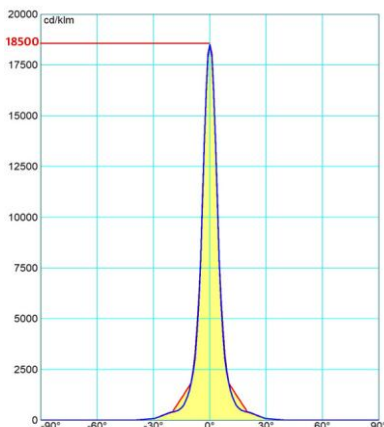
ROTSYMMETRICAL OPTICAL SYSTEM

Symmetric Optics designed in-house in 9 different Beams in order to meet different illumination needs

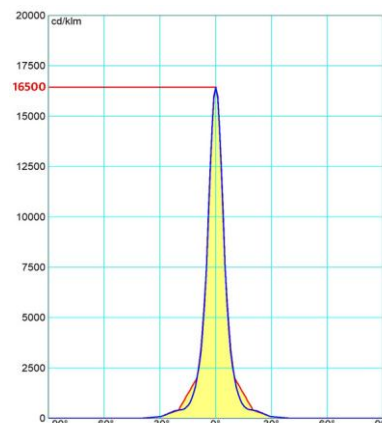
Optic S1



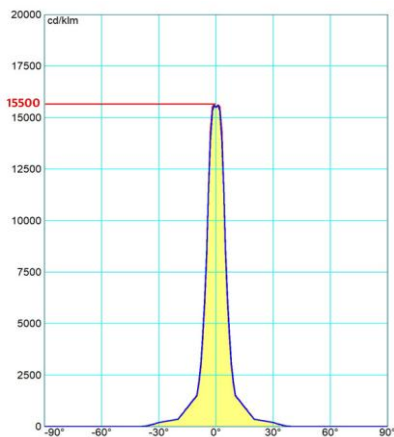
Optic S2



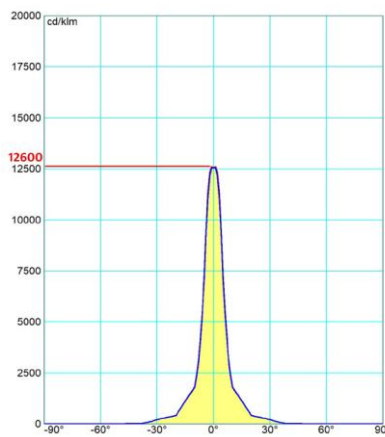
Optic S3



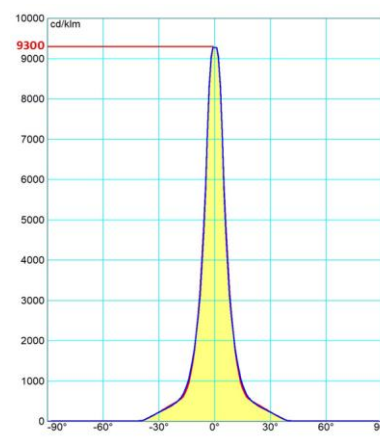
Optic S4



Optic S5



Optic S6

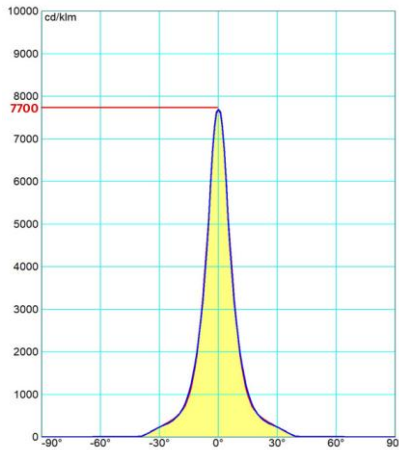




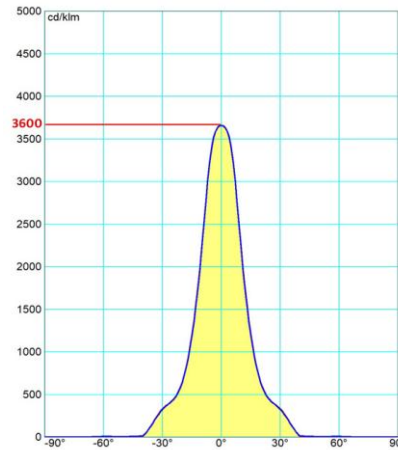
ROTSYMMETRICAL OPTICAL SYSTEM

Symmetric Optics designed in-house in 9 different Beams in order to meet different illumination needs

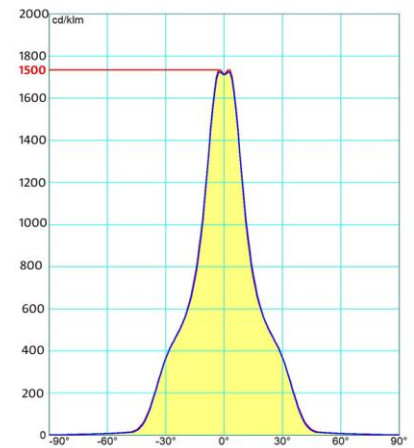
Optic S7



Optic S8



Optic S9



All Models: First Brand LEDs

All Models: Power absorption = total LED+Driver

Luminous fluxes and Power absorption in this Table have a +/- 7% tolerance

Weight tolerance +/- 10%

Color temperature +/- 400° Kelvin (LM79)

Fael LUCE products are subject to constant evolution. Therefore, the values given in this document may change without notice.

FAEL Luce SpA

