



## MACH 4 LED - ASYMMETRIC



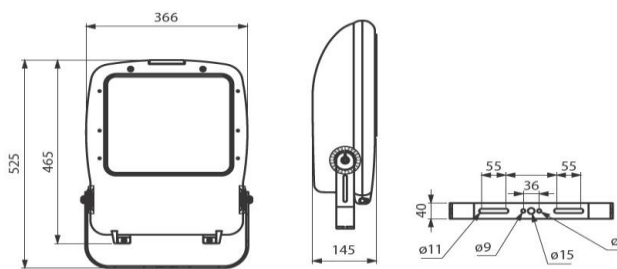
### GENERAL SPECIFICATIONS

Type	Floodlight for outdoor and indoor lighting
Application	Architecture, sport venues, big areas
System	12 POWERLED LUXEON M



### FLOODLIGHT DATA

Dimensions (LxHxD)	525 x 366 x 145mm
Maximum weight	10,50 kg
Wind exposed surface with tilt 20°	0,077 m2



### TECHNICAL SPECIFICATIONS

Insulation class	CL I
Color temperature	4000K
Power correction factor	> 0,9
Overall protection degree	IP66
Protection degree against external impacts	IK08
Certifications	CE
	All the electric components are ENEC certified.
Construction standards	EN 60598-1, EN 60598-2-5
Class of photobiological risk	Risk group exempt from this according to EN 62471

### POWER SUPPLY SPECIFICATIONS

Led current - from/to:	530mA / 700mA
Power supply	220 - 240V / 50 - 60 Hz VAC and also available in 120-277V / 50-60 Hz VAC.
Driver	high efficiency electronic power source and duration, intended for external use.
Knife switch	included, to interrupt the power supply at the device's opening.
Cable plate	complete with easily replaceable electronic unit.
Power supply cable access	through a PG 13.5 cable gland (IP68).

### PROTECTION AGAINST SURGES

CL I:	up to 10kV, both in common and differential mode as in the gear box there is a Surge Protector Device.
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### MAINTAINED AVERAGE LUMINOUS FLUX

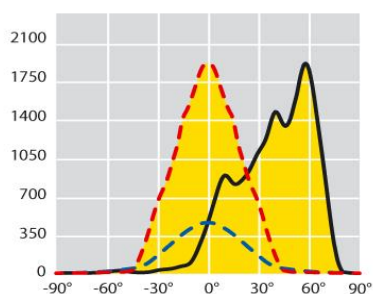
LED CURRENT	NUMBER OF LED	L80** (hr)
700 mA	12 LED	> 70000

\*\* L80 = the unit keeps the 80% of the initial light flux after the number of hours indicated in above table.  
For higher Ta, please don't hesitate to consult FAEL headquarter/distributors.

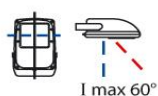


MATERIALS AND FITTINGS		
LED	First brand Led (Philips LUMILEDS LUXEON M) mounted on a pressed aluminum circuit, highly heat-dissipating MCPCB (Metal Core Printed Circuit Board).	
Body and cover	in die cast aluminum	
Bracket	in galvanized steel painted in Silver color (RAL 9006).	
Paint	silver-colored polyester powders (RAL 9006).	
Glass	extra-clear tempered glass, 4mm thick.	
Gaskets	anti-aging rubber	
External screws	in stainless steel	
SISTEMA OTTICO ASIMMETRICO		
Material	reflectors made of high efficiency metallized polycarbonate vacuum reflectors.	
Optical group	including reflectors, easily replaceable.	
Number of LED	12 Powered LUXEON - M	
Maximum intensity	Optic 1: 60°	Optic 3: 45°
	Optic 2: 55°	Optic 4: 35°
Applications	for architectural illumination, exteriors and mid-sized and large dimensions sports facilities, guaranteeing high visual comfort and maximum glare control.	

PHOTOMETRIC DATA

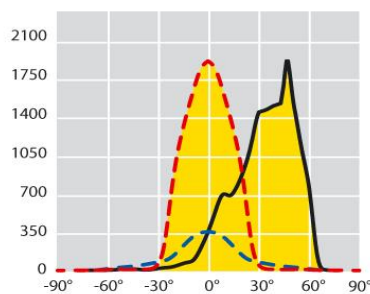


MACH 4 LED - LUXEON M

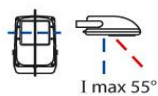


I max 60°

Optic 1: 60°

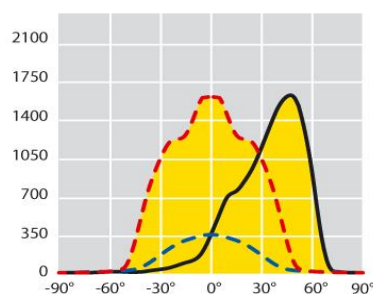


MACH 4 LED - LUXEON M

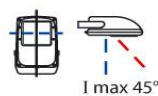


I max 55°

Optic 2: 55°

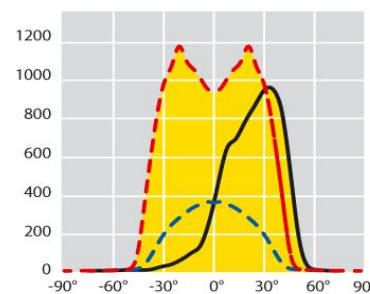


MACH 4 LED - LUXEON M

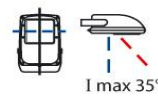


I max 45°

Optic 3: 45°



MACH 4 LED - LUXEON M



I max 35°

Optic 4: 35°

The Fael LUCE products are subject to constant evolution. Therefore, the values given in this document are subject to change.

