



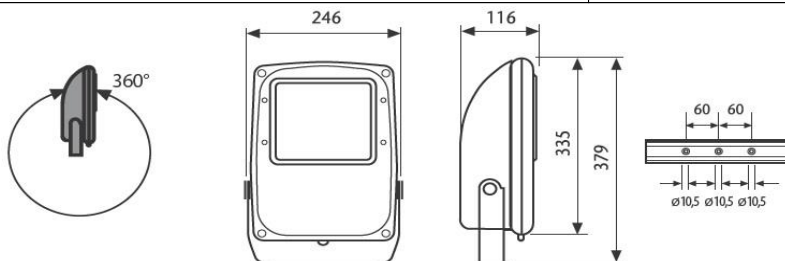
## MACH 3 LED - ROTOSYMMETRIC



### GENERAL SPECIFICATIONS



Type	Floodlight for architectural and big areas lighting	
Application	Architecture, big areas	
System	12/16 LED Lumileds Luxeon T	
FLOODLIGHT DATA		
Dimensions (LxHxD)	379 x 246 x 116 mm	
Maximum weight	4,10 kg	
Wind exposed surface with tilt 20°	0,075 m <sup>2</sup>	



### TECHNICAL SPECIFICATIONS

Insulation class	CL I
Color temperature (up to)	4000K
Power correction factor	> 0,9
Overall protection degree	IP67
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	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.
Cable plate	complete with easily replaceable electronic unit.
Power supply cable access	through a PG 13.5 cable gland (IP68).

### PROTECTION AGAINST SURGES

All versions are protected against overloads and surges to protect components and LEDs.	
CL I:	up to 6Kv
	On request, it's possible increase the over tension resistance both in common and differential mode till 10kV with a Surge Protection Device.

### MAINTAINED AVERAGE LUMINOUS FLUX

LED CURRENT	NUMBER OF LED	L80** (hr)
700 mA	20 LED LUXEON T	> 70000
700 mA	25 LED LUXEON T	> 65000

\*\* L80 = the unit keeps the 80% of the initial light flux after the number of hours indicated in above table.

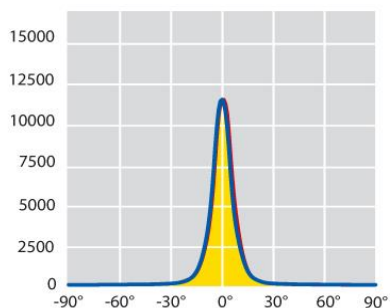
For higher Ta, please don't hesitate to consult FAEL headquarter/distributors.



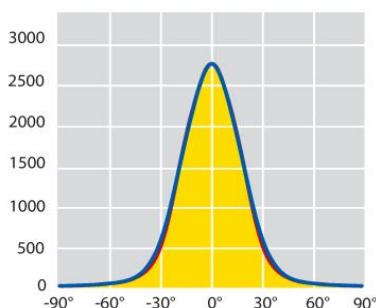
MATERIALS AND FITTINGS	
LED	First brand Led (Philips Lumileds Luxeon T) mounted on a pressed aluminum circuit, highly heat-dissipating MCPCB (Metal Core Printed Circuit Board).
Body and cover	Body and cover in die-cast aluminium with the primary alloy.
Paint	silver-colored polyester powders (RAL 9006).
Glass	extra-clear tempered glass, 4mm thick.
Gaskets	anti-aging rubber
Pressure compensation filter	teflon
External screws	in stainless steel

ROTSYMMETRIC OPTIC	
Materials	T.I.R. (Total Internal Reflection) lenses, which exploit both refraction and reflection and are made of a highly transparent and heat-resistant tech polymer.
Optic group	including reflectors, easily replaceable.
Number of LED	12/16 Powered
Beam	2 x 7° - 2 x 15° - 2 x 22° - 2 x 30° - 2 x 40°
Applications	Ideal for illuminating monuments or salient architectural features from medium to long distances, interiors like airport terminal lobbies and railway stations, exteriors, shops and signs.

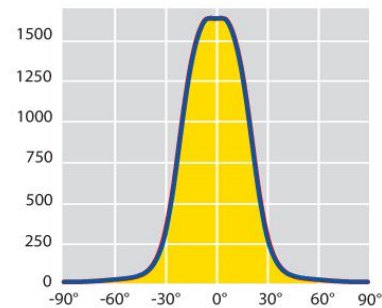
PHOTOMETRIC DATA



MACH 3 LED



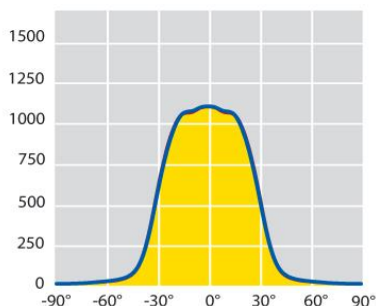
MACH 3 LED



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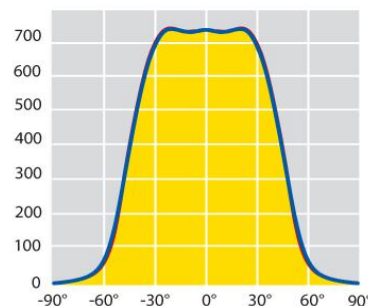
OPTIC 2X7°



MACH 3 LED



OPTIC 2X15°



MACH 3 LED



OPTIC 2X30°

OPTIC 2X40°

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

