



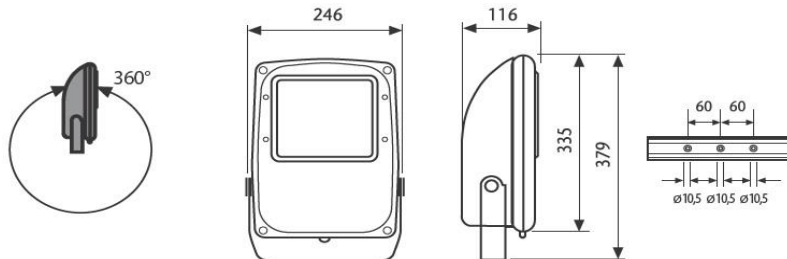
## MACH 3 LED - ASYMMETRIC



### GENERAL SPECIFICATIONS



Type	Streetlight	
Application	Streetlight, big areas	
System	16/20 Powered Philips 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 (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	TYPE OF LED	L80** (hr)
700 mA	16/20 LED LUXEON T	> 70000

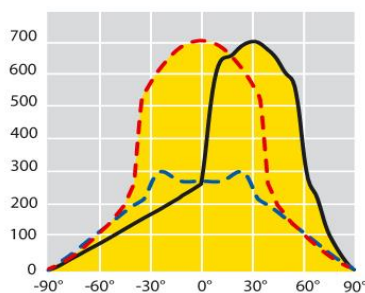
\*\* L80 = the unit keeps the 80% of the initial light flux after the number of hours indicated in above table.  
For higher Ta, please don't hesitate to consult FAEL headquarter/distributors.



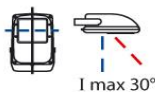
MATERIALS AND FITTINGS	
LED	First brand Led (Philips Lumileds Luxeon T) mounted on a pressed aluminum circuit, highly heat-dissipating MCPCB (Metal Core Printed Circuit Board).
Body and cover	in die-cast alluminium with the primary alloy.
Paint	silver-colored polyester powders (RAL 9006).
Glass	extra-clear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

ASYMMETRIC OPTICAL SYSTEM	
Material	reflectors made of white tech polymer that is anti-UV and resists to high temperatures.
Optical group	including reflectors, easily replaceable.
Number of LED	16/20 Powered
Maximum intensity	30°
Applications	for illuminating facades, monuments, interiors such as airport terminal and railway stations lobbies, exteriors, shops, signs and public areas. It allows the maximum glare control.

PHOTOMETRIC DATA



MACH 3 LED



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