



MACH 4 LED - ROTOSYMMETRIC



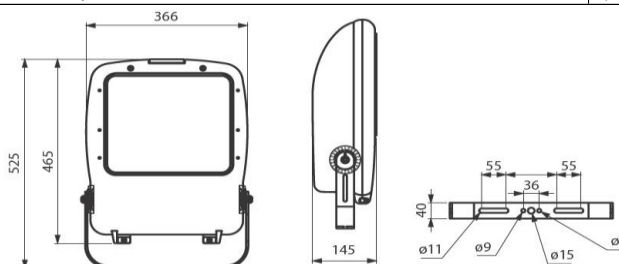
GENERAL SPECIFICATIONS



Type	Floodlight for architectural, sport and big areas lighting
Application	Architecture, sport and big areas
System	12/16/20 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	9 LED	> 70000
700 mA	12 LED	> 70000
530 mA	16 LED	> 80000

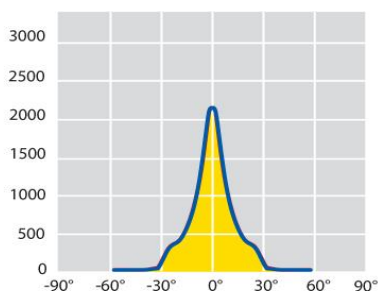
** L80 = the unit keeps the 80% of the initial light flux after the number of hours indicated in above table.
For higher Ta, please don't hesitate to consult FAEL headquarter/distributors.



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 with the primary alloy.
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

OPTICAL SYSTEM	
Materials	high efficiency metallized polycarbonate vacuum reflectors.
Optic group	including reflectors, easily replaceable.
Number of LED	9/12/16 Powered LUXEON - M
Beam	2 X 15° – 2 X 30° – 2 X 40°
Applications	for architectural illumination, lighting external areas of mid-sized and large dimensions and mid-sized sports facilities.

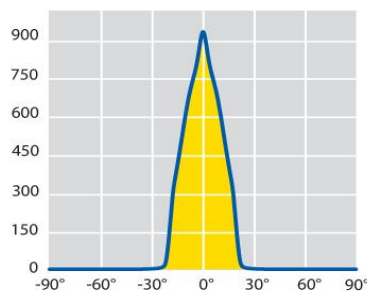
PHOTOMETRIC DATA



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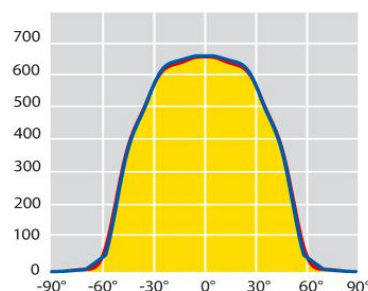
OPTIC 2x15°



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OPTIC 2x30°



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OPTIC 2x40°

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

