



ADVANCE

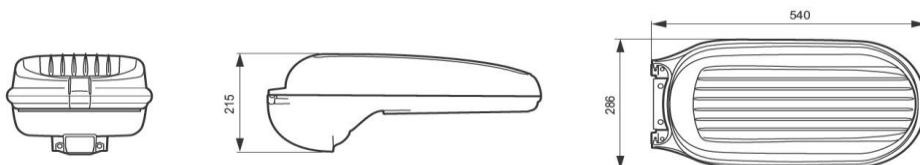


GENERAL SPECIFICATIONS

Type	Streetlight
Application	Streetlight, big areas
System	15-20-25-30-35-38 LED

STREETLIGHT DATA

Dimensions (LxHxD)	540x286x215 mm
Maximum weight	9 kg
Wind exposed surface with tilt 20°	0,07 m2



TECHNICAL SPECIFICATIONS

Insulation class	CL I - CL II
Color temperature (from/to)	4000K / 4500K
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 60598-2-3
Class of photobiological risk	Risk group exempt from this according to EN 62471

POWER SUPPLY SPECIFICATIONS

Led current - from/to:	350mA / 1000mA
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	CL I - CL II
Cable plate	complete with easily replaceable electronic unit with "Plug and Play" anti-inversion system.
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 10kV, both in common and differential mode as in the gear box there is a Surge Protector Device.
CL II:	up to 6kV.

MAINTAINED AVERAGE LUMINOUS FLUX

LED CURRENT	TYPE OF LED	L80** (hr)	L70** (hr)
700 mA	LED*	> 70000	> 80000
800 mA	LED*	> 60000	> 70000
1000 mA	XM-L 2	> 70000	> 80000

* First brand Led (Philips Lumileds, Cree)

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

** L70 = the unit keeps the 70% 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.



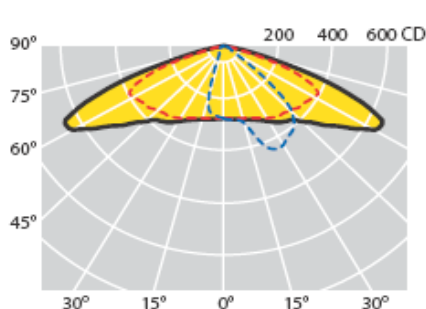
MOUNTING SPECIFICATIONS	
Assembly	on pole
Installation on straight pole	Ø 46 ÷ 60mm, tilt 0° +5° +10° Till Ø 76 mm with accessory to be ordered separately.
Side entry installation	Ø 46 ÷ 60mm In case of side entry installation with tilt of 10° and 15°, an inclination luminaire accessory limiting the tilt at 0°, is included.
Automatic anti-closing mechanism	Included, to prevent accidental closure of the cover during assembly and maintenance.
Installation height	4 ÷ 12 m

MATERIALS AND FITTINGS	
LED	First brand Led (Luxeon T e Cree XM-L 2) mounted on a pressed aluminum circuit, highly heat-dissipating MCPCB (Metal Core Printed Circuit Board).
Body and cover	In die cast aluminum
Upper cover	With longitudinal cooling fins of highly aesthetic aspect. Replacement of the entire LED module including the upper cover.
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

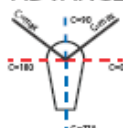
OPTICAL SYSTEM	
AB1 Optic	for carriageway with a width greater than 0.85 times the height of installation.
B1 Optic	for carriageway with a width equal to or less than 0.85 times the height of installation, such as bike or pedestrian paths.

All the optics have CUT-OFF emissions with zero-impact when the floodlight is installed with the glass parallel to the ground.

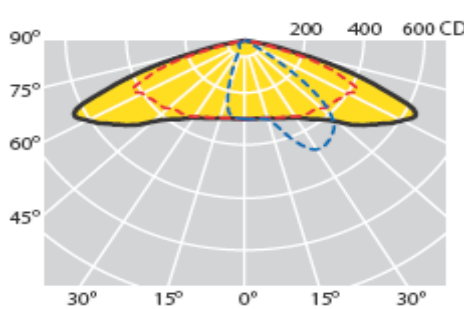
PHOTOMETRIC DATA



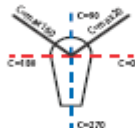
ADVANCE AB1 C max = 15°



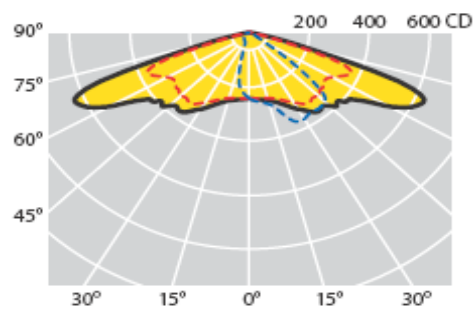
POWERLED



ADVANCE AB1 C max = 20°



POWERLED XM-L 2



ADVANCE B1 C max = 15°



POWERLED

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

