

## 2180 - Forum LED - 1 MODULE - symmetric MS

Code: 412601-00

### GENERAL INFORMATION



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### DIMENSIONS AND WEIGHT

Length (mm)	642 mm
Width (mm)	214 mm
Height (mm)	281 mm
Weight (Kg)	13 kg

### INSTALLATION

Surface exposed to wind (mm)	L 28000 mm <sup>2</sup> , F 133000 mm <sup>2</sup>
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### ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Frequency (Hz)	50 Hz
Wiring name	CLD
Wiring	power supply 220-240V 50/60Hz; with external IP66 driver on 1-2 LED module versions.
Power factor	≥0.92
Rated Current	1050 mA
Surge protector (common) (EN 61547)	10 kV, 10 kV
Insulation class	Class I
Controllability	None



The range of Forum, Disano's top seller in the lighting of large areas and sport facilities worldwide, introduces the new Forum LED to its family.

Drawing from its proven experience in the field of discharge lamps, Forum LED stands out thanks to the most reliable and sophisticated technologies and the use of the latest generation of LED sources.

The design of the fixture's body makes it possible to obtain various combinations of power, lumen and light beams, offering floodlights with one, two or three LED modules, and distributions with 8° or 17° asymmetric, narrow beam and 30° to 120° symmetric beam.

The remarkable output of these floodlights make them ideal for use in large surfaces as well as in indoor and outdoor sports facilities and arenas, providing unparalleled performance in every settings.

Simple and safe to install, Forum is equipped with special devices for perfect aiming and positioning.

The in-depth study of the optical unit and the incorporation of the LEDs inside the floodlight guarantee precision and high efficiency, minimising intrusive and glaring light in the surrounding areas, to the benefit of the visual wellbeing for players and spectators.

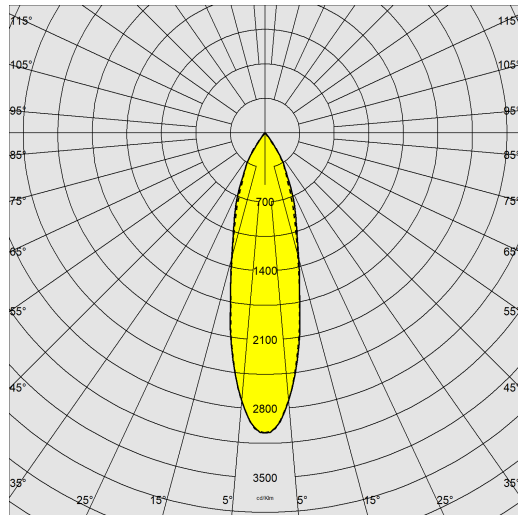
The state-of-the-art LED sources, also in the 5700K and CRI90 colour, are ideal for the broadcasting of sports events, even in HD TV.



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### PHOTOMETRIC DATA



Distribution type	Symmetric narrow beam
Lighting source	LED
CRI	70
Luminous flux (output) (lm)	44086 lm
Power absorption (total) (W)	397 W
CCT	4000 K
Luminous efficacy (lm/W)	111 lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
LED flux maintenance	160000 hr, L 70, B 20

### MECHANICAL CHARACTERISTICS

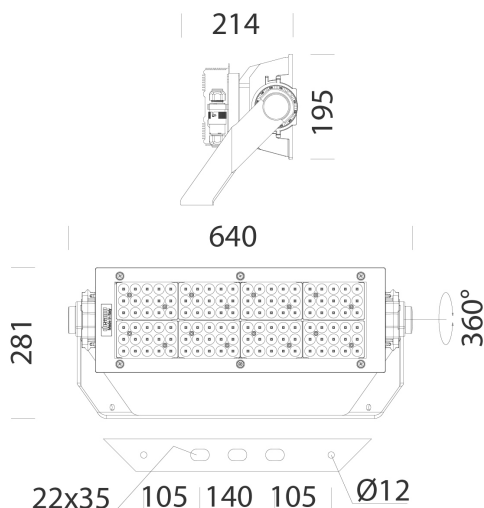
Impact resistance rating (IK)	IK08
IP	66
Ambient temperature - min	-40 °C
Ambient temperature - max	45 °C



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### MATERIALS AND COLOURS



**DOWNLOAD**

#### MOUNTS

[AssemblyInstructions forum1 1050-1200ma 08-21.pdf](#)

#### DESIGNS

[TechnicalDrawing 2180f.dxf](#)

[TechnicalDrawing3D disano 2180 forum.3ds](#)



Housing	in die-cast aluminium, with cooling fins.
Optics	in high-performance metallised polycarbonate.
Diffuser	extra-clear, tempered glass, 4 mm thick, resistant to thermal shock and impact (UNI-EN 12150-1:2001).
Heat sink	the heat sink is designed and made to allow the LEDs to operate at temperatures capable of ensuring excellent performance/output and long service life.
Coating	pre-treatment of metal surface, polyester powder coating to ensure resistance to corrosion and salt spray fogs, UV stabilised.
Special coating (UPON REQUEST)	upon request: available with coating tested to withstand corrosion tests in aggressive artificial atmospheres (UNI EN ISO 9227) or marine environments (sea front).
Colour	Graphite
Equipment	<ul style="list-style-type: none"> <li>- with galvanised and painted bracket.</li> <li>- waterproof connector for quick installation with no need to open the fixture.</li> <li>- temperature controller with auto-reset</li> <li>- EN 61547 compliant surge protection.</li> <li>- anti-condensation valve.</li> <li>- goniometric scale.</li> </ul>

### STANDARDS AND COMPLIANCE

Photobiological safety class	RG0 Ethr
Markings and tests	CE, ENEC
Reference standards	EN60598-1. With degree of protection according to EN60529.
Laboratory Tests	certified ball impact resistant in accordance with DIN 18032-3:2018.
Energy Label	C

### GEAR

Upon request	<ul style="list-style-type: none"> <li>- adjustment with DIMM 1-10V (20 to 100%) or DALI driver</li> <li>- power line carrier remote control</li> <li>- wireless control system</li> </ul>
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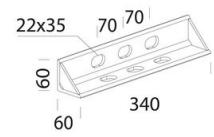
### WARRANTY

After sales warranty	5 yr
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345 Wall bracket