

Athlos



Athlos 2 Modules with box



Athlos 3 Modules without box



Athlos 1 Module with box

KEY ADVANTAGES

- Floodlight for great heights with 1, 2 until 3 modules of 600 W, 1,200 W or 1,800 W respectively.
- LED module and bracket with adjustable position and inclination.
- Sturdiness: IP67 + IK08.
- Up to 6 optical distributions.
- 1 module:
Up to 142 lm/W.
- 2 modules:
Up to 141 lm/W.
- 3 modules:
Up to 135 lm/W.
- Excellent visibility and uniformity.
- Lifespan L90B10 100,000 h at 25°C.
- 5 years warranty.



RAL 7022
Smooth gloss
shade grey



Marine finish
(M7022B)



DESCRIPTION

Athlos is Carandini's floodlight for great heights and sporting facilities. Its easy installation, sturdiness, with latest generation LED technology and optical distributions make it a quality, versatile solution.

STANDARDS / CERTIFICATES

- CE
- RoHS
- UNE-EN 60598-1
- UNE-EN 60598-2-3 or 60598-2-5
- UNE-EN 60598
- UNE-EN 61000-3-2
- UNE-EN 61000-3-3
- UNE-EN 55015
- UNE-EN 61547
- UNE-EN 62031
- UNE-EN 61347-2-13
- UNE-EN 62384
- UNE-EN 13032-4

*Test reports from independent laboratories.
Measurements taken at ISO 17025 approved laboratory.



3000K CRI>70 4000K CRI>70 5700K CRI>70

CRI>80 upon request



1 M: 61.473 lm - 85.436 lm (600 W)
2 M: 122.405 lm - 169.200 lm (1.200 W)
3 M: 178.305 lm - 242.461 lm (1.800 W)



1 M:
142lm/W
2 M:
141 lm/W
3 M:
135 lm/W



1 M: 18,0 Kg
2 M: 36,0 Kg
3 M: 48,8 Kg



1 M: 0,22 m²
2 M: 0,35 m²
3 M: 0,424 m²



-40°C - +50°C



0,00% - 0,35%
FHS/ULR

120/277V
Optional 240V-480V
100 - 277 V / 240 V - 480 V
50-60 Hz
L90B10 100,000 h
Ta 25 °C

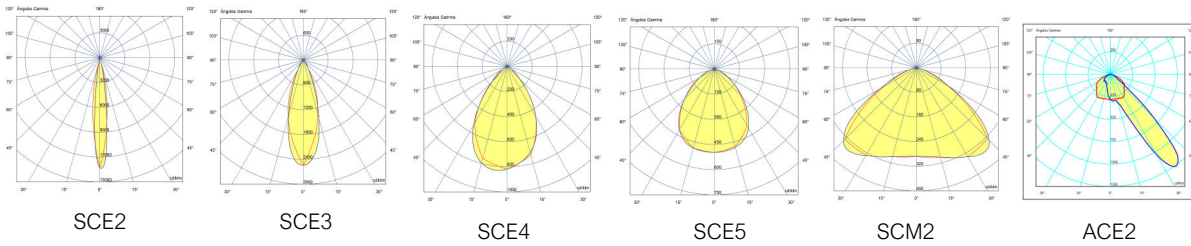
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ATHLOS

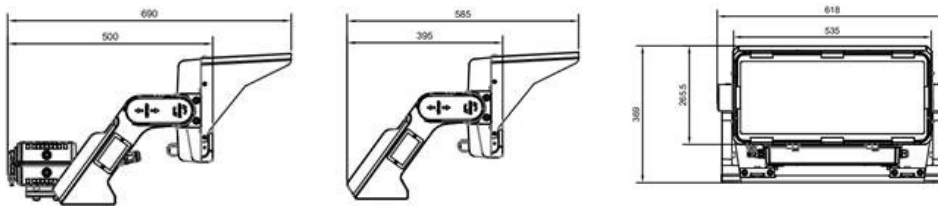
PHOTOMETRIC DISTRIBUTIONS

6 photometric configurations are available for use in the various environments where this type of luminaire might be installed, meaning it can be adapted to suit all situations:

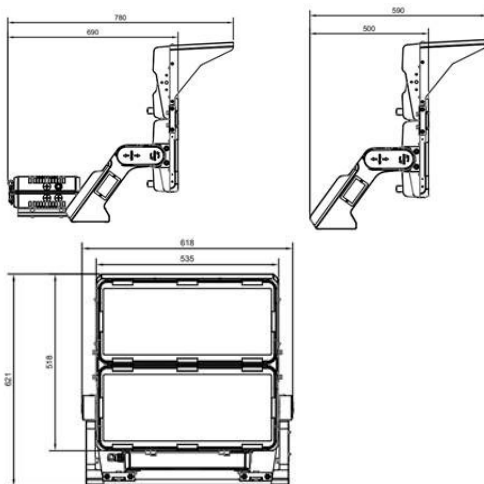


DIMENSIONS

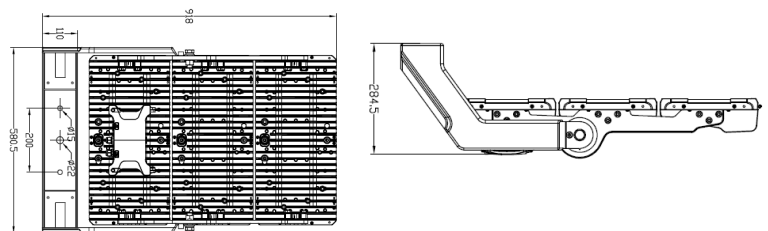
Athlos 1 Module with box



Athlos 2 Modules with box



Athlos 3 Modules without box



*Optionally you can include a paralumina to contain the light.

APPLICATIONS

Football pitches, tennis courts, athletics tracks, car parks, ports and airports, and many other uses at great heights.



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ATHLOS

ATHLOS CHARACTERISTICS

GENERAL INFORMATION

Sustainability	Valorisation: 96,35%. Maximum carbon footprint per use: 0,466kg kW/h de CO2.
CE marking	Yes
RoHS compliance	Yes
Test standard	LM 79-80 (all measurements in the laboratory certified according to ISO17025)

GENERAL CHARACTERISTICS

Body and mounting	Pressure die-cast aluminium EN AC-44100 with low copper content <0.1%.
Finish	Smooth gloss shade grey polyester powder coating RAL 7022 (722B).
Light enclosure	Toughened flat glass 4 mm.
Exterior nuts and bolts	Stainless steel (AISI304).
General ingress protection	Luminaire: IP67 (EN 60598-1 and EN 60529) Box: IP66 (EN 60598-1 and EN 60529)
Degree of protection against impacts	IK08 (EN 62262)
Operating temperature	Ta -40 °C a +50 °C According to luminaire configuration.
Estimated life	L90B10 100,000 h at 25 °C. Light maintenance values at 25 °C. Calculated by TM-21 based on LM-80 data.

ELECTRICAL CHARACTERISTICS

Electrical class	Class I
Input voltage	120/277V/ 50Hz - 60Hz Optional 240V-480V
Power factor	> 0.95
Harmonic distortion	< 10%
Overvoltage protection	Overvoltage protection 10 kV - 10 kA. Optional 20 kV - 20 kA

MAINTENANCE AND ASSEMBLY

Installation and maintenance	Driver installed behind floodlight in IP66 box. Control gear box can be supplied separate from floodlight for separate luminaire assembly, at a distance of 25 m. Over 25 m, upon request. The cable from the control gear to the luminaire includes a metallic protective mesh, only when the control gear box is installed at the back of the luminaire. If the box is not separate from the floodlight, extra cable is not supplied as standard and has no metallic protective mesh.
Installation	H01: Bracket installation.
Mechanical adjustment	Bracket has an inclination of up to 270°.
Accessories	Laser pointer Paralumen viewer Kit to fix the gbox to the pole

LIGHTING CHARACTERISTICS


Real light package	1 M: 61.473 lm - 85.436 lm (600 W) 2 M: 122.405 lm - 169.200 lm (1.200 W) 3 M: 178.305 lm - 242.461 lm (1.800 W)
LED colour temperature	Available in 3,000 K, 4,000 K and 5,700 K. 5,000 K upon request.
Colour rendering index (CRI)	CRI>70. CRI>80 upon request.
LEDs	Includes: 240, 480, 720 LEDs (Only with SCE2, ACE2, ACE8) 816, 1632, 2.448 LEDs (Only with SCE3, SCE4, SCE5, SCM2).
ULR	Between 0.00% and 0.35% (Upward Light Ratio).
Photometric configurations	SCE2: Throw 10° Spread 10° SCE3: Throw 30° Spread 30° SCE4: Throw 60° Spread 60° SCE5: Throw 90° Spread 90° SCM2: Throw 120° Spread 120° ACE2: Throw 30° and Spread 35°
LED thermal management	Thermal management by 3 principles of heat transfer: conduction, convection and radiation, that help achieve long LED and driver life.

MANAGEMENT AND CONTROL


Devices	RD: Adjustable LED Protocol DALI. A0: Adjustable LED Protocol 0-10 V.
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FINISHES

Predefined luminaire colour

	Umbra grey glossy smooth
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Corrosion protection

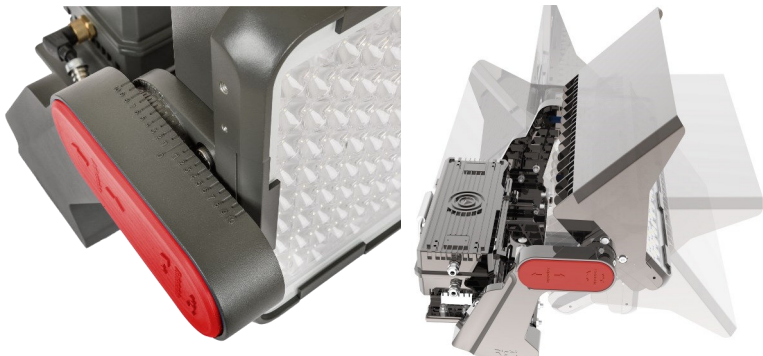
	Marine Finish (1.000h) (Optional)
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**This luminaire may not be painted in any other colour.*

ATHLOS PHOTOGRAPHS



Driver installed behind floodlight, in IP66 box.



Floodlight can be adjusted up to 270°.



Shield to contain light.



The Athlos design maximises management of heat produced by the floodlight

LOGISTICAL INFORMATION *

	Athlos 1 Module	Athlos 2 Modules	Athlos 3 Modules
Box size:	670 x 580 x 330 mm	730 x 500 x 130 mm	1175 x 680 x 330 mm
Box weight:	18 kg	36 kg	48,8 kg
Number of boxes:	10 units	24 units	5 units
American base:	1200 x 800 x 1800	1200 x 800 mm	1200 x 1000 x 1850 mm
Stack height:	5 levels	12 levels	5 levels
Area occupied:	81%	76%	83.20%
Volume used:	71.6%	74.1%	80,80%
Total weight:	200 kg	293 kg	264 kg