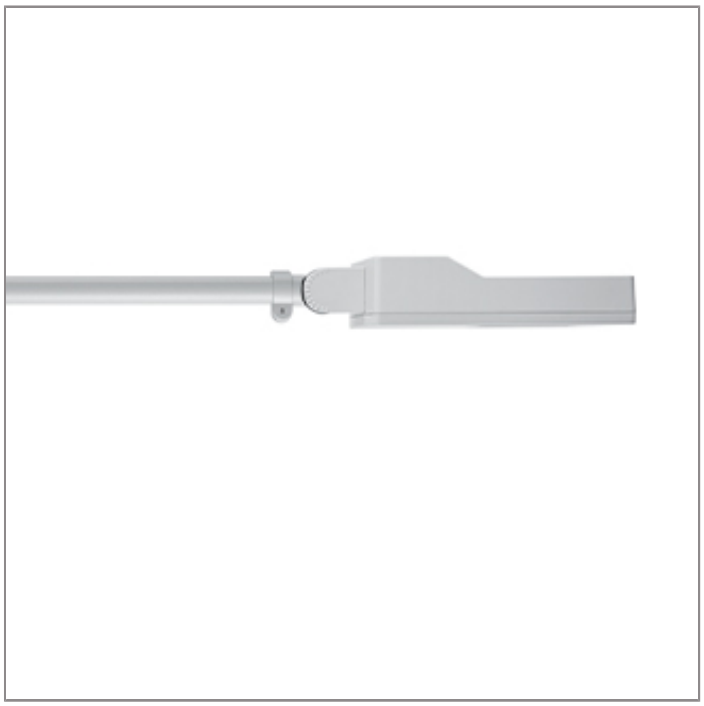
ATHLON

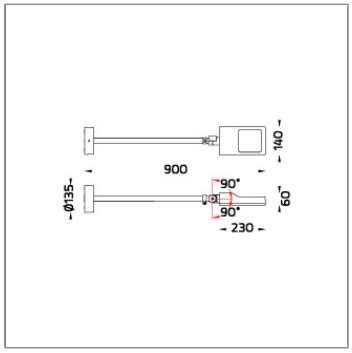
ATHLON OPTIC ARM / SYMMETRIC

SURFACE WASHERS & FLOOD LIGHTS

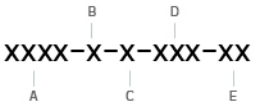
LAST UPDATE: 19-02-2024



ATHLON family is functional mini spotlight/ floodlight and area light. The slim and clean design of Athlon allows a hidden installation. Athlon is designed for a streamlined time effective installation. Alanod Miro reflectors used in this luminaire are designed by Photopia high-end lighting engineering software. ATHLON Optic with tight beam control utilizes selected lenses from world-renowned manufacturers. The family is available with symmetric, asymmetric, bisymmetric, elliptical, forward throw and side throw light distributions. The broad range of accessories such as a ground spike, tree strap, outrigger arm and pole clamp makes it a dynamic floodlight choice. The graduated scale provides accuracy of the light distribution on the illuminated surface. ATHLON is suitable to light up small to medium sized objects or areas such as signage boards, ceiling, building facades, parks etc.



Ordering code guide



A Product Code
B Reflector
C Electrical Component
D Lamp
E Color

IK BODY OPTIC Icon definition

Technical Data

Ordering Code :	2318-6-3-868-XX
Lamp :	LED
Beam :	25°
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	2310 lm
Luminaire Lumen :	1820 lm
Lamp Wattage :	18 W
Luminaire Wattage :	20 W
Efficacy :	91 lm/W
Ambient Temperature :	40°C
Lumen Maintenance	L70B10 >66,000 h
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	3.60 kg.

*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

Unilamp Co., Ltd.
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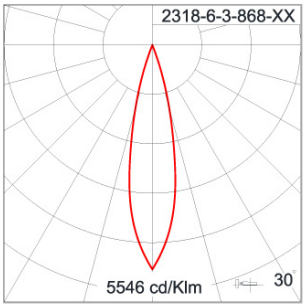
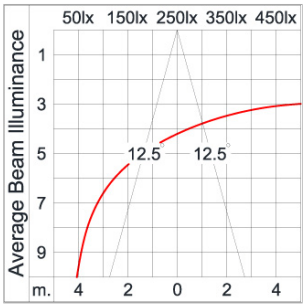
Specification

IEC Standard	IEC 60598-1 General Requirement
	IEC 60598-2-1 Fixed Luminaires
Protection	IP66 Class I
IK Rating	Protection against mechanical impact IK08 on body and IK07 optical part.
Luminaires Body Housing	High-pressure Die Cast Aluminium alloy body and components.
	Extruded Aluminium S6063 alloy body with low copper content.
Coating Process	Nano Ceramic surface conversion, resistant to corrosive environment. Luminiare primarily coated with epoxy resin and top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C.
Diffuser	Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C.
Lens	Molded PC lens from renowned manufacturers in various light distribution patterns.
Adjustable Optic	Adjustable aiming unit through graduated scale.
Gasket	Post-cured treated silicone gasket. Temperature and weather resistant. Working temperature -40°C to +200°C.
External Screws	External screws are in stainless steel with protection grease.
Cable Entry	Cable entry protected by weather proof grommet. To be used with H05RN-F/ H07RN-F cable with 6-13mm. diameter.
Led	High efficiency LED module utilized chips from world renowned manufacturer. Assembled on MCPCB and mounted on to heat conductive material.
Driver	High quality constant current LED driver. Conform to safety standard and electromagnetic compatibility standard.
Internal Wire	Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C.
Terminal Block	Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved.
	Class1 luminaire provided with the earth connection.
Caution	Installation work has to be carried on according to the enclosed installation manual.
Color	Black 01 Graphite 02 Dark Grey 03 Aluminium Silver 04 White 06 Wooden Brown 07

Light Distribution





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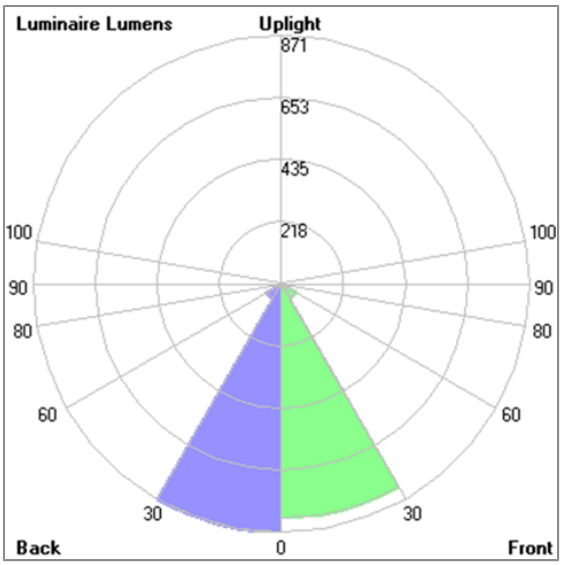
Bug Report



Lum. Classification System (LCS)

LCS	Zone	%Lumens	%Lamp	%Lum
FL	(0-30)	821.2	35.6	44.7
FM	(30-60)	58.5	2.5	3.2
FH	(60-80)	11.5	0.5	0.6
FVH	(80-90)	0.4	0.0	0.0
BL	(0-30)	870.6	37.7	47.4
BM	(30-60)	60.7	2.6	3.3
BH	(60-80)	11.9	0.5	0.6
BVH	(80-90)	0.4	0.0	0.0
UL	(90-100)	0.0	0.0	0.0
UH	(100-180)	0.8	0.0	0.0
Total		1836.0	79.4	100.0
BUG Rating		**B2-U1-G0**		

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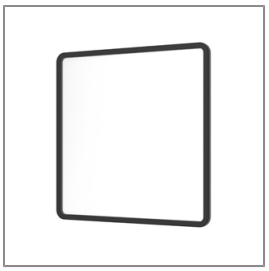
Accessories



Ordering Code:
AUN-SOF-0018-00
Softening Filter

Ordering Code:
AUN-CAB-0002-00
Cable HO7RN-F 3x1sqmm length 2000 mm with anti-humidity kit. (pre-assembled from factory)

Ordering Code:
AUN-CAB-0004-00
Cable HO7RN-F 3x1sqmm length 500mm. with anti-humidity kit.(pre-assembled from factory)

Ordering Code:
AUN-GHS-0035-XX
Glare Shield Cap. (Pre-assembly from factory)

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