

# ATHLON

## ATHLON OPTIC ARM PROJECTOR



LAST UPDATE: 13-05-2024



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.



### Technical Data



|                       |                    |
|-----------------------|--------------------|
| Ordering Code :       | 2319-U-A-524-XX    |
| Lamp :                | LED                |
| Beam :                | T1                 |
| CCT :                 | 2700 K             |
| CRI :                 | CRI >80            |
| SDCM :                | SDCM = 3           |
| Lamp Lumen :          | 2160 lm            |
| Luminaire Lumen :     | 1580 lm            |
| Lamp Wattage :        | 18 W               |
| Luminaire Wattage :   | 20 W               |
| Efficacy :            | 79 lm/W            |
| Ambient Temperature : | 40°C               |
| Lumen Maintenance     | L70B10 >66,000 h   |
| Controller :          | CASAMBI            |
| Input Voltage :       | 220-240Vac 50/60Hz |
| Net Weight :          | 3.60 kg.           |

### Ordering code guide

XXXX-X-X-XXX-XX  
A B C D E

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



Icon definition

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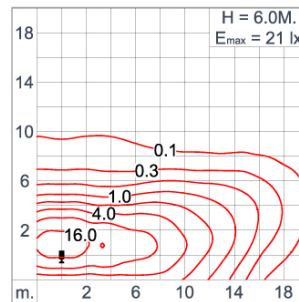
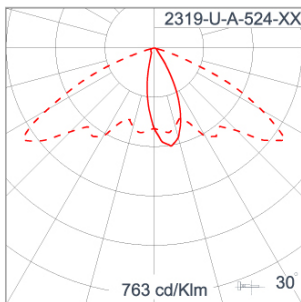


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### Specification

|                         |   |
|-------------------------|---|
| IEC Standard            | IEC 60598-1 General Requirement<br>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 aluminum alloy body and components.<br>Extruded Aluminum S6063 alloy body with low copper content.   |
| Coating Process         | Nano Ceramic surface conversion, resistant to corrosive environment. Luminaire 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 HO5RN-F/ HO7RN-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 CASAMBI controllable LED driver with constant current output. Conform to applicable safety standards and electromagnetic compatibility.  |
| 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.<br>Class1 luminaire provided with the earth connection.  |
| Caution                 | Installation work has to be carried on according to the enclosed installation manual.   |
| Color                   |  <ul style="list-style-type: none"><li>Black O1</li><li>Graphite O2</li><li>Dark Grey O3</li><li>Aluminum Silver O4</li><li>White O6</li><li>Wooden Brown O7</li></ul> |

### Light Distribution



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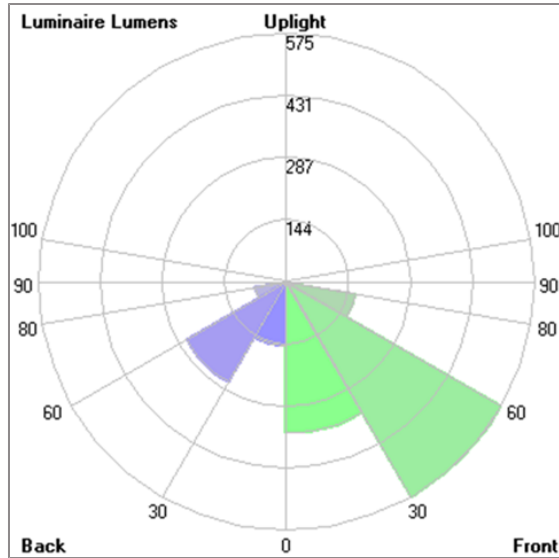
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### Bug Report



### Lum. Classification System [LCS]

| LCS        | Zone      | %Lumens  | %Lamp | %Lum  |
|------------|-----------|----------|-------|-------|
| FL         | [0-30]    | 350.2    | 16.2  | 22.2  |
| FM         | [30-60]   | 574.5    | 26.6  | 36.4  |
| FH         | [60-80]   | 161.6    | 7.5   | 10.2  |
| FVH        | [80-90]   | 1.4      | 0.1   | 0.1   |
| BL         | [0-30]    | 148.2    | 6.9   | 9.4   |
| BM         | [30-60]   | 267.9    | 12.4  | 17.0  |
| BH         | [60-80]   | 73.0     | 3.4   | 4.6   |
| BVH        | [80-90]   | 1.1      | 0.0   | 0.1   |
| UL         | [90-100]  | 0.0      | 0.0   | 0.0   |
| UH         | [100-180] | 0.3      | 0.0   | 0.0   |
| Total      |           | 1578.2   | 73.1  | 100.0 |
| BUG Rating |           | B1-U1-G0 |       |       |

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### Accessories



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



Ordering Code:  
AUN-CAB-0002-00  
Cable H07RN-F 3x1sqmm  
length 2000 mm with  
anti-humidity kit.  
[pre-assembled from  
factory]



Ordering Code:  
AUN-CAB-0004-00  
Cable H07RN-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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