

ALPHA

MINI ALPHA SQUARE – GEAR

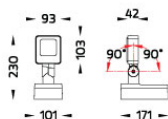
SPOTLIGHT



LAST UPDATE: 22-07-2025



ALPHA is an entirely new family of outdoor spotlights/floodlights engineered from scratch. The primary shapes and overall small dimensions make it possible to install ALPHA in most professional and residential lighting applications. High-quality polycarbonate optics provide accurate beam control and offer a wide selection of light distributions. ALPHA can be customized with accessories such as honeycombs, shields and various mounting solutions for poles and surfaces. The minimized amount of needed tools and usage of quick connectors simplifies the installation.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 5945-A-4-547-XX |
| Lamp : | LED |
| Beam : | 15° |
| CCT : | 4000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 1100 lm |
| Luminaire Lumen : | 930 lm |
| Lamp Wattage : | 8 W |
| Luminaire Wattage : | 10 W |
| Efficacy : | 93 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70B10 >60,000 h |
| Controller : | DIM 1-10V |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | 1.30 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

*Due to the constancy of product development,
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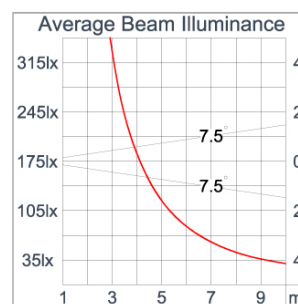
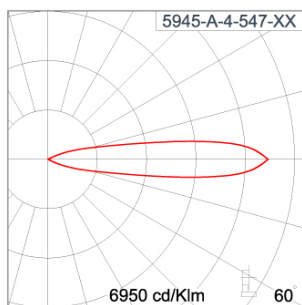
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www.unilamp.co.th

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 IK06 optical part. |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components. |
| 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 M20 cable gland. To be used with H05RN-F/ H07RN-F cable with 7-13mm. 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 Dimmable Driver (1-10V) in constant current. 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. Class1 luminaire provided with the earth connection. |
| Caution | Installation work has to be carried on according to the enclosed installation manual. |

| | |
|-------|---|
| Color | <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> <div>Black 01</div> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #333; margin-right: 5px;"></div> <div>Graphite 02</div> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #666; margin-right: 5px;"></div> <div>Dark Grey 03</div> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: #ccc; margin-right: 5px;"></div> <div>Aluminum Silver 04</div> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: white; margin-right: 5px;"></div> <div>White 06</div> </div> |
|-------|---|

Light Distribution



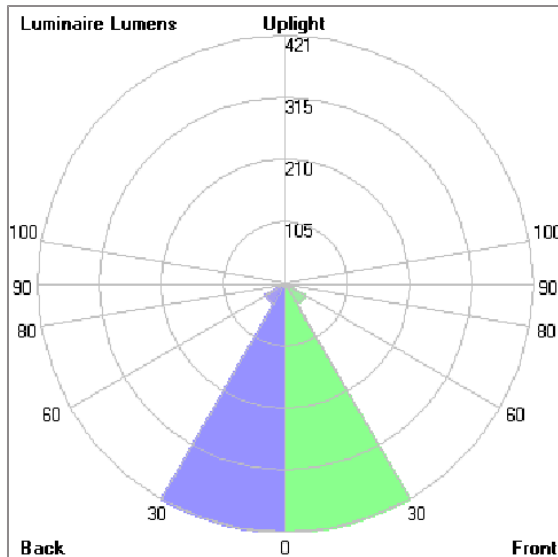
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Bug Report



Lum. Classification System (LCS)

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|---------|-------|-------|
| FL | [0-30] | 420.6 | 38.2 | 45.2 |
| FM | [30-60] | 39.1 | 3.6 | 4.2 |
| FH | [60-80] | 4.2 | 0.4 | 0.5 |
| FVH | [80-90] | 0.1 | 0.0 | 0.0 |
| BL | [0-30] | 420.6 | 38.2 | 45.2 |
| BM | [30-60] | 39.1 | 3.6 | 4.2 |
| BH | [60-80] | 4.2 | 0.4 | 0.5 |
| BVH | [80-90] | 0.1 | 0.0 | 0.0 |
| UL | [90-100] | 0.0 | 0.0 | 0.0 |
| UH | [100-180] | 1.6 | 0.1 | 0.2 |
| Total | | 929.6 | 84.5 | 100.0 |
| BUG Rating | B1-U1-G0 | | | |

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Accessories



Ordering Code:
AUN-GSH-0007-00
Honeycomb louver, LED,
pre-assembly from factory



Ordering Code:
AUN-SOF-0021-00
Softening filter, LED,
pre-assembly from factory



Ordering Code:
AUN-CON-0011-00
IP68 connection device,
cable diameter 7.1-13mm,
1-10V or DALI



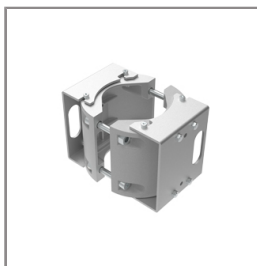
Ordering Code:
AUN-CON-0014-00
IP68 connection device,
cable diameter 8-12.5mm,
1-10V or DALI



Ordering Code:
AUN-CLP-0004-XX
Pole clamp, pole diameter
102-105mm



Ordering Code:
AUN-GHS-0029-XX
Glare shield cap



Ordering Code:
AUN-CLP-0006-XX
Pole clamp, pole diameter
60-76mm



Ordering Code:
AUN-MOT-0013-XX
Pole mounting arm, for 1-3
projector



Ordering Code:
AUN-CLP-0008-XX
Pole clamp, pole diameter
102-105mm, for wall or
pole mounting arm



Ordering Code:
AUN-CLP-0009-XX
Pole clamp, pole diameter
60-76mm, for wall or pole
mounting arm



Ordering Code:
AUN-ESP-0001-00
Earth spike, GFR polymer



Ordering Code:
AUN-TRS-0001-00
Tree strap, small mounting
base

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Ordering Code:

ALUMINUM-POLE-FOR-ALPHA-SPOTLIGHT

Please contact Sales

Representative



Ordering Code:

STEEL-POLE-FOR-ALPHA-SPOTLIGHT

Please contact Sales

Representative



Ordering Code:

AUN-CAB-0012-00

Cable H05RR-F 5x1, L= 2000mm, with UniBlock anti-humidity kit, pre-assembly from factory