MEDIUM ALPHA SQUARE

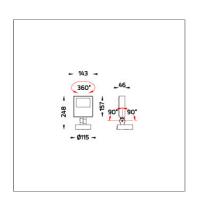
SPOTLIGHT

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 : 5944-N-5-523-XX

Lamp: LED Beam: Elliptical V CCT: 2700 K CRI >80 CRI: SDCM: SDCM = 3Lamp Lumen : 1920 lm Luminaire Lumen : 1630 lm Lamp Wattage: 17 W Luminaire Wattage: 19 W 85 lm/W Efficacy:

Lumen Maintenance L70B10 >66,000 h

Controller : DALI

Ambient Temperature :

Input Voltage: 220-240Vac 50/60Hz

50°C

Net Weight: 1.90 kg.

Ordering code guide

B D |

XXXX-X-X-XXX-XX

A C E

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



Icon definition

www.unilamp.co.th

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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 IK10 on body and IK08 on optical part.

Luminaires Body Housing High-pressure die cast aluminum alloy body and components.

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 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 DALI Driver 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.

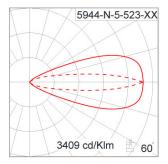
Class1 luminaire provided with the earth connection.

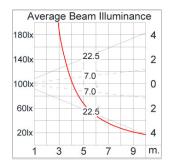
Caution Installation work has to be carried on according to the enclosed installation manual.

Color



Light Distribution





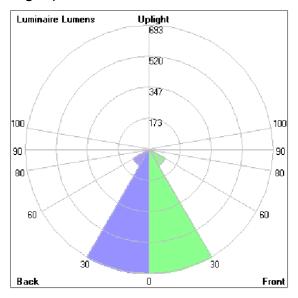
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Bug Report



Lum. Classification System (LCS)				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	693.3	36.1	42.9
FM	[30-60]	103.2	5.4	6.4
FH	[60-80]	10.4	0.5	0.6
FVH	[80-90]	0.3	0.0	0.0
BL	[0-30]	693.3	36.1	42.9
вм	[30-60]	103.2	5.4	6.4
вн	[60-80]	10.4	0.5	0.6
BVH	[80-90]	0.3	0.0	0.0
UL	[90-100]	< 0.05	0.0	0.0
UH	[100-180]	1.1	0.1	0.1
Total		1615.5	84.1	100.0
BUG Ratir	ng	B2-U1-G0		

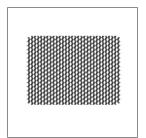
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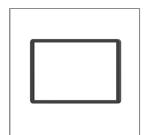
Accessories



Ordering Code: AUN-GSH-0013-00 Honeycomb louver, LED, pre-assembly from factory



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



Ordering Code: AUN-SOF-0028-00 Softening filter, LED, pre-assembly from factory



Ordering Code: AUN-GHS-0031-XX Glare shield cap



Ordering Code: AUN-ESP-0002-01 Earth spike, GFR polymer



Ordering Code:
AUN-CAB-OO12-OO
Cable HO5RR-F 5x1, L=
2000mm, with UniBlock
anti-humidity kit,
pre-assembly from factory



Ordering Code: AUN-TRS-0003-01 Tree strap, small mounting base

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