

ALPHA

MINI ALPHA SQUARE – GEAR

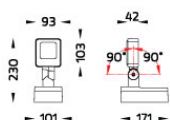
SPOTLIGHT



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-D-4-547-XX
Lamp :	LED
Beam :	67°
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	1100 lm
Luminaire Lumen :	860 lm
Lamp Wattage :	8 W
Luminaire Wattage :	10 W
Efficacy :	86 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,
we reserve the right to alter all specification
without prior notice.

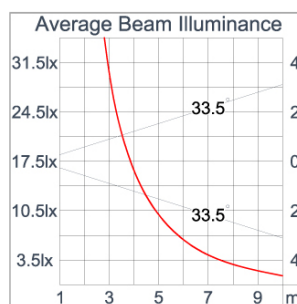
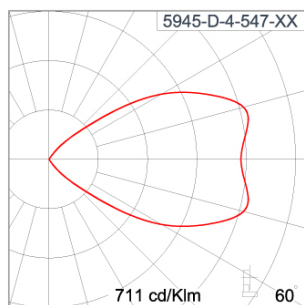
Unilamp Co., Ltd.
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1
Fax : +66[0]2 943 2419
online@unilamp.co.th
www.unilamp.co.th

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> <div></div>Black 01 <div></div>Graphite 02 <div></div>Dark Grey 03 <div></div>Aluminum Silver 04 <div></div>White 06 </div>
-------	---

Light Distribution



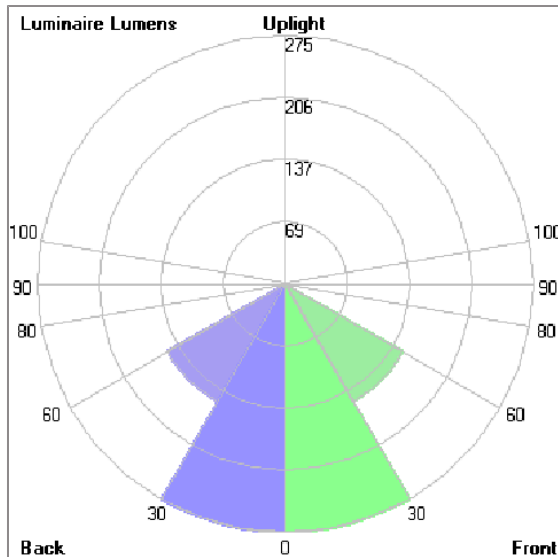
ALPHA

MINI ALPHA SQUARE – GEAR SPOTLIGHT



LAST UPDATE: 22-07-2025

Bug Report



Lum. Classification System (LCS)

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	274.7	25.0	31.9
FM	[30-60]	150.2	13.7	17.5
FH	[60-80]	4.9	0.4	0.6
FVH	[80-90]	0.1	0.0	0.0
BL	[0-30]	274.7	25.0	31.9
BM	[30-60]	150.2	13.7	17.5
BH	[60-80]	4.9	0.4	0.6
BVH	[80-90]	0.1	0.0	0.0
UL	[90-100]	0.0	0.0	0.0
UH	[100-180]	0.4	0.0	0.1
Total		860.2	78.2	100.0
BUG Rating	B1-U1-G0			

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

Unilamp Co., Ltd.
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1
Fax : +66[0]2 943 2419
online@unilamp.co.th
www.unilamp.co.th

ALPHA

MINI ALPHA SQUARE – GEAR

SPOTLIGHT



LAST UPDATE: 22-07-2025

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



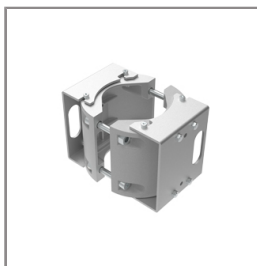
Ordering Code:
AUN-CON-0014-00
IP68 connection device,
cable diameter 8-12.5mm,
1-10V or DALI



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

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

Unilamp Co., Ltd.
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1
Fax : +66[0]2 943 2419
online@unilamp.co.th
www.unilamp.co.th

ALPHA

MINI ALPHA SQUARE – GEAR

SPOTLIGHT

LAST UPDATE: 22-07-2025



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