ALPHA

MINI ALPHA SQUARE – GEAR

SPOTLIGHT

Unilamp

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

CE | IP66 | IK 08/06
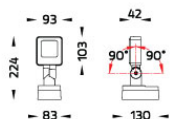
Ordering Code :	5945-H-3-547-XX
Lamp :	LED
Beam :	82°/22°
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	1100 lm
Luminaire Lumen :	680 lm
Lamp Wattage :	8 W
Luminaire Wattage :	10 W
Efficacy :	68 lm/W
Ambient Temperature :	50°C
Lumen Maintenance	L70B10 >60,000 h
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	1.30 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

IK BODY OPTIC   Icon definition

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 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
	Aluminum Silver 04
	White 06

Light Distribution

5945-H-3-547-XX

964 cd/Klm   60

Average Beam Illuminance

ALPHA

MINI ALPHA SQUARE – GEAR

SPOTLIGHT

Unilamp

Bug Report

Luminaire Lumens / Uplight / Back / Front polar diagram
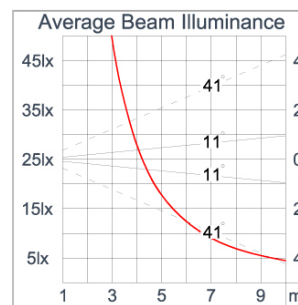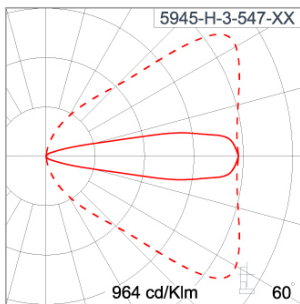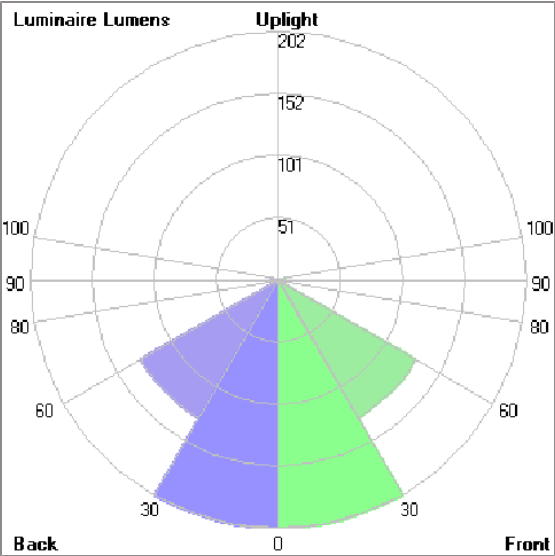
Lum. Classification System (LCS)

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	202.5	18.4	29.9
FM	[30-60]	129.8	11.8	19.1
FH	[60-80]	6.5	0.6	1.0
FVH	[80-90]	0.1	0.0	0.0
BL	[0-30]	202.5	18.4	29.9
BM	[30-60]	129.8	11.8	19.1
BH	[60-80]	6.5	0.6	1.0
BVH	[80-90]	0.1	0.0	0.0
UL	[90-100]	< 0.05	0.0	0.0
UH	[100-180]	0.4	0.0	0.1
Total		678.2	61.6	100.0
BUG Rating		B1–U1–G0		

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-0009-00
IP68 connection device,
cable diameter 5-9.5mm,
On-Off

Ordering Code:
AUN-CON-0013-00
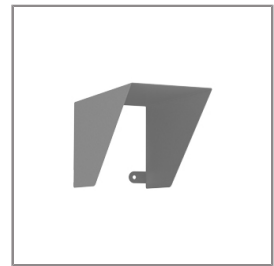IP68 connection device,
cable diameter 7-11.5mm,
On-Off

Ordering Code:
AUN-CAB-0002-00
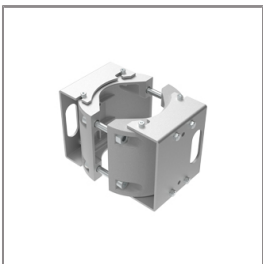Cable HO7RN-F 3x1sqmm,
L= 2000, with UniBlock
anti-humidity kit,
pre-assembly from factory

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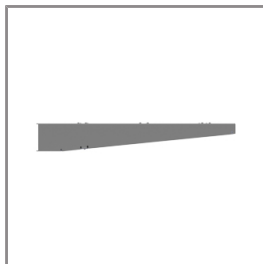Pole clamp, pole diameter
102-105mm

Ordering Code:
AUN-CAB-0004-00
Cable HO7RN-F 3x1sqmm,
L= 500, with UniBlock
anti-humidity kit,
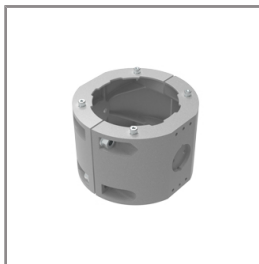pre-assembly from factory

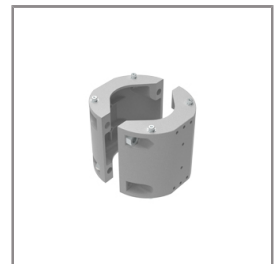
Ordering Code:
AUN-GHS-0029-XX
Glare shield cap

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

ALPHA

MINI ALPHA SQUARE – GEAR

SPOTLIGHT

Unilamp

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

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

Ordering Code:
ALUMINUM-POLE-FOR-ALPHA-SPOTLIGHT
Please contact Sales Representative

Ordering Code:
STEEL-POLE-FOR-ALPHA-SPOTLIGHT
Please contact Sales Representative