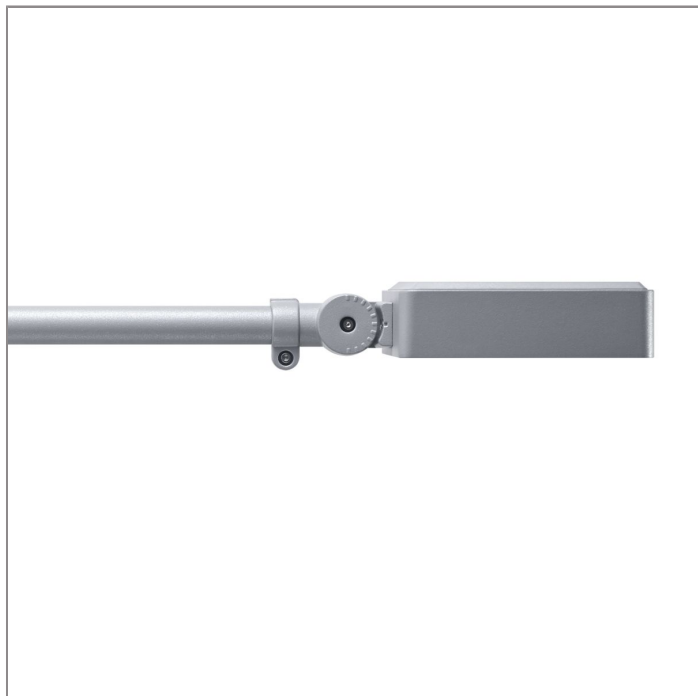# ALPHA

MEDIUM ALPHA SQUARE ARM
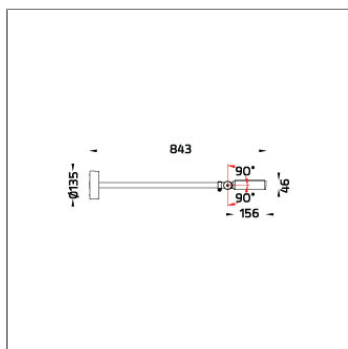
SPOTLIGHT

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.

Ordering code guide

XXXX-X-X-XXX-XX

A   B   C   D   E

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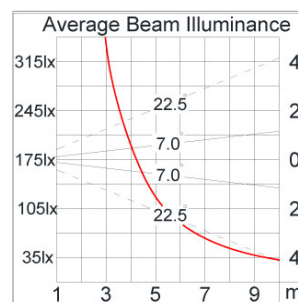D   Lamp
E   Color

IK BODY OPTIC   Icon definition

Technical Data

CE | IP66 | IK 10/08 | ⏚ | TIS

Ordering Code :	5947-H-5-523-XX
Lamp :	LED
Beam :	45°/14°
CCT :	2700 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	1920 lm
Luminaire Lumen :	1630 lm
Lamp Wattage :	17 W
Luminaire Wattage :	19 W
Efficacy :	85 lm/W
Ambient Temperature :	50°C
Lumen Maintenance	L70B10 >66,000 h
Controller :	DALI
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	2.40 kg.

ALPHA

MEDIUM ALPHA SQUARE ARM

SPOTLIGHT

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 Aluminium alloy body and components.
	Extruded Aluminium S6063 alloy body with low copper content.
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	External screws are in stainless steel with protection grease.
Cable Entry	Cable entry protected by weather proof grommet. To be used with H05RN-F/ H07RN-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	■ Black 01
	■ Graphite 02
	■ Dark Grey 03
	☐ Aluminum Silver 04
	☐ White 06

Light Distribution
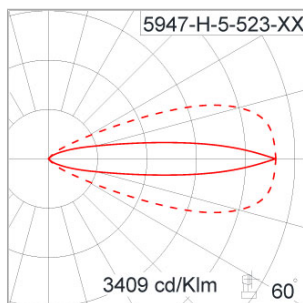
5947-H-5-523-XX

3409 cd/Klm   60

Average Beam Illuminance

315lx — 4
245lx — 2 — 22.5
175lx — 0 — 7.0 / 7.0
105lx — 2 — 22.5
35lx — 4

1 3 5 7 9 m.

ALPHA

MEDIUM ALPHA SQUARE ARM

SPOTLIGHT

Bug Report

Luminaire Lumens / Uplight polar diagram
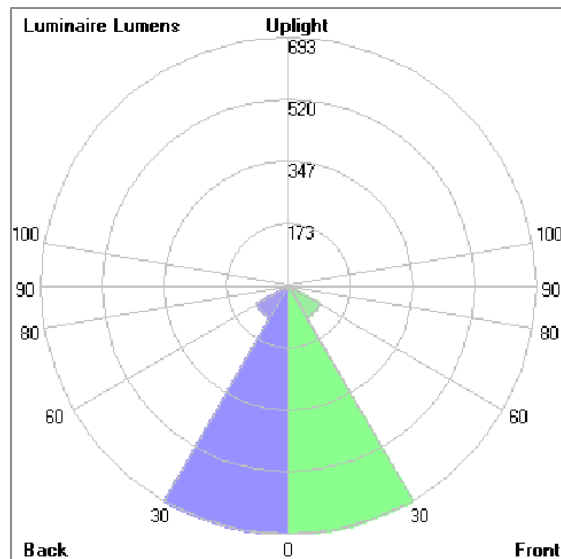
Lum. Classification System [LCS]				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	693.3	36.1	42.9
FM	[30-60]	103.2	5.4	6.4
FH	[60-80]	10.4	0.5	0.6
FVH	[80-90]	0.3	0.0	0.0
BL	[0-30]	693.3	36.1	42.9
BM	[30-60]	103.2	5.4	6.4
BH	[60-80]	10.4	0.5	0.6
BVH	[80-90]	0.3	0.0	0.0
UL	[90-100]	< 0.05	0.0	0.0
UH	[100-180]	1.1	0.1	0.1
Total		1615.5	84.1	100.0
BUG Rating	B2-U1-G0			

ALPHA

MEDIUM ALPHA SQUARE ARM

SPOTLIGHT

Accessories

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

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-CAB-0012-00
Cable HO5RR-F 5x1, L=
2000mm, with UniBlock
anti-humidity kit,
pre-assembly from factory