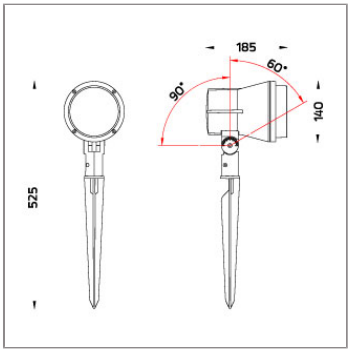
# SONIC

## MEDIUM SONIC SPIKE

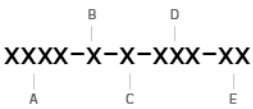
### SPOTLIGHT

LAST UPDATE: 03-08-2026

SONIC is a huge family of spotlight/floodlight with LED, HID and retrofit light source. The family offers ground/wall mount fixing, pole clamp and wall clamp array, indirect pole and wall light. The wide ranges of accessories like glare shield unit, tree strap, earth spike and anchorage bolt kit makes SONIC customizable for most application. Available in three sizes with a choice of six colors. SONIC is fitted with COB LED with high CRI in 2700K, 3000K or 4000K color temperature with 3 SDCM. The front glass cover is flush to the luminaire housing thus dust and water are not accumulated. High specular reflectors are used in this luminaire family to achieve an outstanding light output ratio. Aiming can be done through graduated scale by tool. For ease of installation and improved thermal performance the control gear compartment is housed separately to the light engine. SONIC is an ideal choice to accentuate sculptures, walls, building facades, bushes and trees.




Ordering code guide




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

IK BODY OPTIC Icon definition

## Technical Data

IP65 IK 08 06

| | |
|---|---|
| Ordering Code : | 5979-D-3-902-XX |
| Lamp : | LED |
| Beam : | 48° |
| CCT : | 3000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 2880 lm |
| Luminaire Lumen : | 2000 lm |
| Lamp Wattage : | 16 W |
| Luminaire Wattage : | 18 W |
| Efficacy : | 111 lm/W |
| Ambient Temperature : | 40°C |
| Lumen Maintenance | L70B10 >60,000 h |
| Controller : | On-Off |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | - kg. |

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

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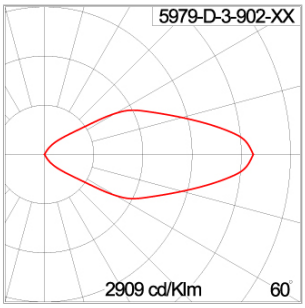
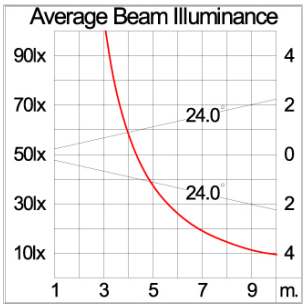
## Specification

| | |
|---|---|
| IEC Standard | IEC 60598-1 General Requirement |
| | IEC 60598-2-1 Fixed Luminaires |
| Protection | IP65 Class I |
| IK Rating | Protection against mechanical impact IK08 on body and IK06 on optical part |
| Luminaires Body Housing | Durable high-pressure die-cast aluminum alloy for excellent mechanical performance. |
| Coating Process | The luminaire undergoes a Nano Ceramic surface conversion, making it highly resistant to corrosive environments. It is primarily coated with a durable epoxy resin and finished with a UV-stabilized polyester powder top coat. The coating process is completed by curing the luminaire in a digitally controlled temperature chamber at 200°C, ensuring exceptional durability and long-lasting protection aga |
| Diffuser | Impact-resistant tempered glass designed for high-temperature environments. |
| Reflector | Engineered metallized reflector, optimized using advanced software for enhanced performance. |
| Adjustable Optic | Adjustable aiming mechanism with graduated scale for precision control. |
| Gasket | Advanced post-cured silicone gasket offering superior weather and thermal resistance (-40°C to +200°C). |
| External Screws | Durable stainless steel screws with anti-corrosion grease for extended lifespan. |
| Cable Entry | M14 cable gland for secure cable entry, compatible with HO5RN-F/HO7RN-F cables (5-8mm). |
| Led | COB LED module with high efficiency, mounted on MCPCB for superior thermal management. |
| Driver | Certified constant current LED driver meeting all EMC and safety requirements. |
| Internal Wire | Reliable silicone-insulated tinned copper internal wire, designed for -40°C to +180°C. |
| Terminal Block | Grounded Class 1 luminaire ensuring proper earthing for secure operation. |
| Pre-Wire Cable | Certified pre-wired 3x1.0 sqmm cable, featuring HO7RN-F neoprene insulation. |
| | Integrated anti-humidity kit preventing moisture buildup and ensuring longevity. |
| Caution | Installation must be performed as per the provided installation instructions. |
| Color | Black 01<br>Graphite 02<br>Dark Grey 03<br>Aluminum Silver 04<br>White 06 |

## Light Distribution

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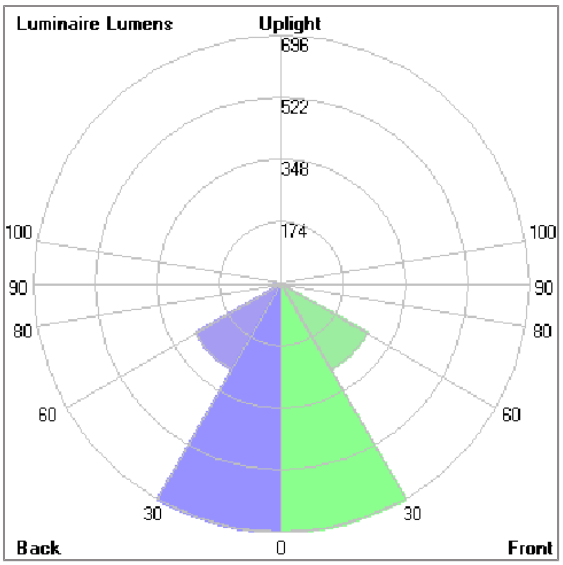
### Bug Report




Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|---|---|---|---|---|
| FL | [0-30] | 696.5 | 34.8 | 34.8 |
| FM | [30-60] | 277.4 | 13.9 | 13.9 |
| FH | [60-80] | 24.8 | 1.2 | 1.2 |
| FVH | [80-90] | 0.9 | 0.0 | 0.0 |
| BL | [0-30] | 696.5 | 34.8 | 34.8 |
| BM | [30-60] | 277.4 | 13.9 | 13.9 |
| BH | [60-80] | 24.8 | 1.2 | 1.2 |
| BVH | [80-90] | 0.9 | 0.0 | 0.0 |
| UL | [90-100] | 0.0 | 0.0 | 0.0 |
| UH | [100-180] | 0.8 | 0.0 | 0.0 |
| Total | | 2000.0 | 99.8 | 100.0 |
| BUG Rating | | B2-U1-G0 | | |

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### Accessories

Ordering Code:
AUN-GHS-0002-XX
Glare shield cap

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