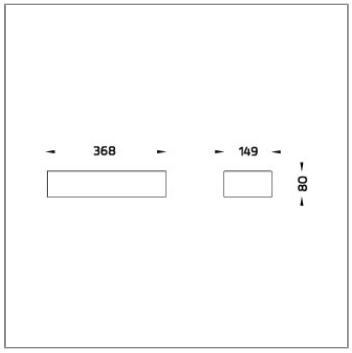
# KORNER

## KORNER1

### POLE MOUNTED

LAST UPDATE: 28-02-2025

KORNER is minimalistic linear shaped pole luminaire and wall light. The use of clear lines, closed surfaces and hidden mounting hardware provide an attractive unobtrusive appearance, and easy installation. The unique 16 stage paint process and use of virtually copper free aluminum alloys guarantee an ultra-long product lifetime. KORNER is suitable for medium mounting heights when using aluminum poles and high mounting heights of up to 8m in combination of steel poles. Existing circular poles can be utilized with the use of the innovative clamping system. KORNER uses high efficacy LED modules and CAD optimized optics. Ready for light management systems using the D4i protocol and Zhaga book 18 interface. Withstanding ambient temperatures of 50°C and electrical surges make KORNER applicable for most challenging environments.




## Technical Data

IP66

| | |
|---|---|
| Ordering Code : | 7780-Y-A-666-XX |
| Lamp : | LED |
| Beam : | T5 |
| CCT : | 3000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 4220 lm |
| Luminaire Lumen : | 2240 lm |
| Lamp Wattage : | 23 W |
| Luminaire Wattage : | 27 W |
| Efficacy : | 82 lm/W |
| Ambient Temperature : | 25°C |
| Lumen Maintenance | L70B10 >60,000 h |
| Controller : | CASAMBI |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | - kg. |

Ordering code guide

XXXX-X-X-XXX-XX

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

Icon definition

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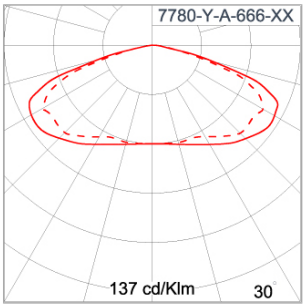
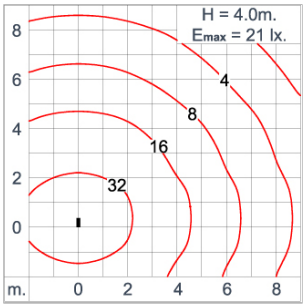
## Specification

| | |
|---|---|
| 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 | Extruded aluminum S6063 alloy body with low copper content. |
| | 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. |
| Gasket | Weather resistant silicone gasket. 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 CASAMBI controllable LED driver with constant current output. Conform to applicable safety standards and electromagnetic compatibility. |
| Enhanced Protection | The luminaire is equipped with a 10kV surge protection device, the function of the protector is indicated by a LED, performance in compliance with IEC61643-11. |
| 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. |
| Pre-Wire Cable | Pre-wired with 3x1.0 sqmm. H07RN-F neoprene cable. IMQ approved. |
| Caution | Installation work has to be carried on according to the enclosed installation manual. |
| Color | Black 01<br>Graphite 02<br>Dark Grey 03<br>Aluminum Silver 04<br>White 06 |

## Light Distribution

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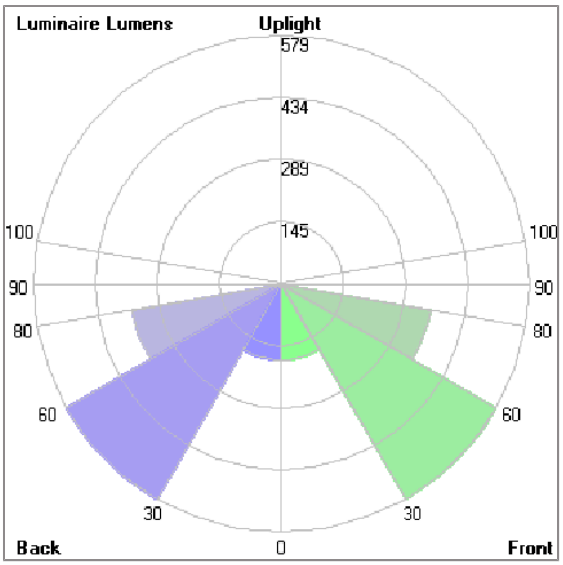
### Bug Report




Lum. Classification System (LCS)

| LCS | Zone | %Lumens | %Lamp | %Lum |
|---|---|---|---|---|
| FL | [0-30] | 178.4 | 4.2 | 8.0 |
| FM | [30-60] | 578.8 | 13.7 | 25.8 |
| FH | [60-80] | 353.0 | 8.4 | 15.8 |
| FVH | [80-90] | 9.0 | 0.2 | 0.4 |
| BL | [0-30] | 178.4 | 4.2 | 8.0 |
| BM | [30-60] | 578.8 | 13.7 | 25.8 |
| BH | [60-80] | 353.0 | 8.4 | 15.8 |
| BVH | [80-90] | 9.0 | 0.2 | 0.4 |
| UL | [90-100] | 0.1 | 0.0 | 0.0 |
| UH | [100-180] | 1.1 | 0.0 | 0.1 |
| Total | | 2239.6 | 53.0 | 100.0 |
| BUG Rating | | B1-U1-G0 | | |

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## Accessories

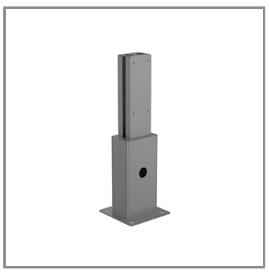
Ordering Code:
AUN-CON-0009-00
IP68 connection device, cable diameter 5-9.5mm, On-Off

Ordering Code:
AUN-CON-0010-00
IP68 connection device 3 pole, cable diameter 5-9.5mm, with distribution block

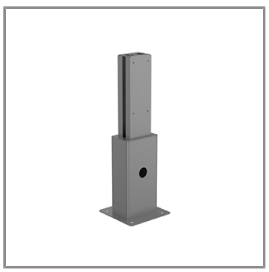
Ordering Code:
AUN-CON-0013-00
IP68 connection device, cable diameter 7-11.5mm, On-Off

Ordering Code:
AUN-ACB-0008-00
Anchor bolt kit, pole diameter 102mm and 151x102mm, galvanized steel pole

Ordering Code:
AUN-ACB-0022-00
Anchor bolt kit, aluminum pole



Ordering Code:
AUN-ACB-0023-00
Planted root, aluminum pole



Ordering Code:
AUN-ACB-0024-00
Planted root, galvanized steel pole

Ordering Code:
AUN-CLP-0010-XX
Pole clamp, pole diameter 60mm, single side luminaire mounting

Ordering Code:
AUN-CLP-0011-XX
Pole clamp, pole diameter 60mm, double sided luminaire mounting

Ordering Code:
AUN-CLP-0012-XX
Pole clamp, pole diameter 76mm, single side luminaire mounting

Ordering Code:
AUN-CLP-0013-XX
Pole clamp, pole diameter 76mm, double sided luminaire mounting

Ordering Code:
AUN-BRK-0004-XX
Mounting bracket

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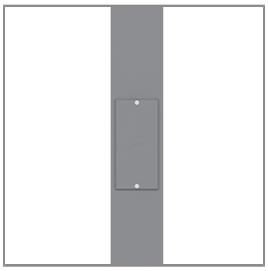
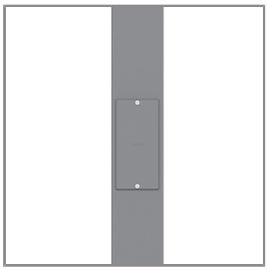


Ordering Code:
ALUMINUM-POLE-FOR-KORNER
Please contact Sales Representative



Ordering Code:
STEEL-POLE-FOR-KORNER
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