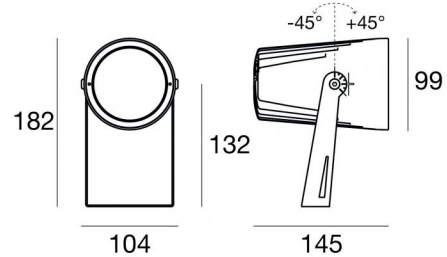


# Shaker



Projectors | 198-264 V  
1 arrayLED 15 W DC - 17 W AC | CRI 80  
**84528N60**



Technical data	
Type	Surface
Installation position	Wall lights - Ceiling - Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	frontal
Nominal power	15 W DC
Total Power	17 W
Source lumens	2463 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP66
IK	IK07
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	No
Directional	Swivelling
total angle (vertical plane)	90 °
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	1.7 Kg
Electrostatic discharge protection	Yes
Surge protection	4 KV
Product technological characteristics	Acquastop

## Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	Black
Processing	Open pore anodizing + Powder Coating

## Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent

## Finishing bracket

Material	AISI 304 steel
Colour	Black
Processing	Powder coating

## Cables Electrification

Cable connector	No
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Projectors | 198-264 V | 1 arrayLED 15 W DC - 17 W AC | CRI 80 | Base  
84528N60

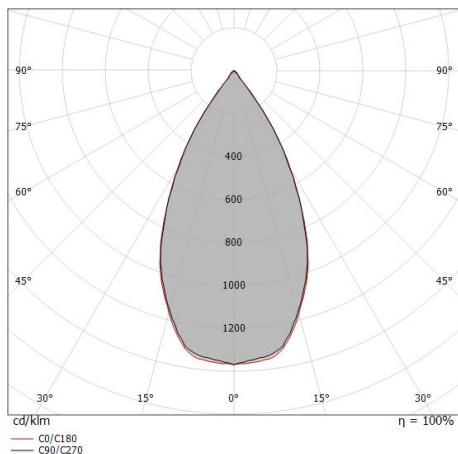
Single emission projectors for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 2463 lm, with a 164.2 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. The ingress protection degree is IP66; the total weight is of 1.7 kg.

The total absorbed power is 17 W. The power supply cable is included and features a 1 m length.

The device features protection class I and can be wall lights, ceiling or floor-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.50 0.50	E(0°) 7452 E(C90) 2675 E(C0) 2667
1.0	1.00 1.01	E(0°) 1863 E(C90) 669 E(C0) 667
1.5	1.50 1.51	E(0°) 828 E(C90) 297 E(C0) 296
2.0	2.00 2.01	E(0°) 466 E(C90) 167 E(C0) 167
2.5	2.50 2.51	E(0°) 298 E(C90) 107 E(C0) 107
3.0	3.00 3.02	E(0°) 207 E(C90) 74 E(C0) 74

— C0/C180 (Half-peak divergence: 53.4°)  
- - C90/C270 (Half-peak divergence: 53.2°)

### Energy efficiency class

This product contains a light source of energy efficiency class F.

### Illuminotechnical Features

Light Output Ratio (LOR)	55 %
Source lumens	2463 lm
Delivered lumens	1362 lm
Consumption	17 W
Luminaire efficacy	80 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	17.8
UGR transversal	17.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	53°
Light distribution simmetry	Symmetrical



Picket  
installation position: land,Cover material: pc

**Code**  
89371



Anti-glare  
Anti-glare Type: 45° cylindrical screen.  
Material:Aluminium 6026, colour:Black, processing:Open pore anodizing + Powder Coating.

**Code**  
99819