### Shaker

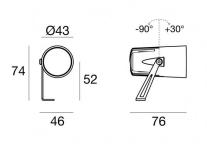
#### Projectors | 176-264 V AC /230-280 V DC 1 x powerLED 2 W DC - 3 W AC | CRI 80 84243W60





Installation position Vall lights - Ceiling - Floor Installation environment Outdoor Light Source LED Circuit structure powerLED Optics Wide Flood Light emission direction frontal Nominal power 2 W DC Total Power 3 W Source lumens 249 Im Nominal input voltage 220 - 240 V AC Input voltage range 176 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 3000 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP IP66 IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimable article No Directional Swivelling total angle (vertical plane) 120 ° Titting No Walk-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emissior Net weight 0.12 Kg Electrostatic discharge protection Yes Surge protection 0.5 KV	Technical data	Surface	
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Light SourceLEDCircuit structurepowerLEDOpticsWide FloodLight emission directionfrontalNominal power2 W DCTotal Power3 WSource lumens249 ImNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDiriver includedDriverDirmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Installation position	•	
Circuit structurepowerLEDOpticsWide FloodLight emission directionfrontalNominal power2 W DCTotal Power3 WSource lumens249 ImNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDirver includedDriverDirmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Installation environment	Outdoor	
OpticsWide FloodLight emission directionfrontalNominal power2 W DCTotal Power3 WSource lumens249 lmNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDirver includedDriverDirver includedDriverDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Light Source	LED	
Light emission directionfrontalNominal power2 W DCTotal Power3 WSource lumens249 lmNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDirver includedDriverDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Circuit structure	powerLED	
Nominal power2 W DCTotal Power3 WSource lumens249 lmNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDirver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Optics	Wide Flood	
Total Power3 WSource lumens249 lmNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Light emission direction	frontal	
Source lumens249 lmNominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Nominal power	2 W DC	
Nominal input voltage220 - 240 V ACInput voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Total Power	3 W	
Input voltage range176 - 264 V ACFrequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Source lumens	249 lm	
Frequency50 - 60 HzCCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Nominal input voltage	220 - 240 V AC	
CCT / Tone3000 KColour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Input voltage range	176 - 264 V AC	
Colour rendering index80 RaC.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Frequency	50 - 60 Hz	
C.C. / C.V.ACSafety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120°TiltingNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	CCT / Tone	3000 K	
Safety class2IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Colour rendering index	80 Ra	
IPIP66IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120°TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	C.C. / C.V.	AC	
IKIK10IKIK10Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120°TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissiorNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Safety class	2	
Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120°TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	IP	IP66	
Direct mounting on normally flammable surfacesYesCEYesDriver includedDriverDimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYes	IK	IK10	
CE Yes   Driver included Driver   Dimmable article No   Directional Swivelling   total angle (vertical plane) 120 °   Tilting No   Walk-over No   Drive-over No   Cable included Yes   Cable length 1 m   Resin potting Yes   Type of light emission Single emissior   Net weight 0.12 Kg   Electrostatic discharge protection Yes	Glow wire test	850°	
Driver included   Driver     Dimmable article   No     Directional   Swivelling     total angle (vertical plane)   120 °     Tilting   No     Walk-over   No     Drive-over   No     Cable included   Yes     Cable length   1 m     Resin potting   Yes     Type of light emission   Single emissior     Net weight   0.12 Kg     Electrostatic discharge protection   Yes	Direct mounting on normally flammable surfaces	Yes	
Dimmable articleNoDirectionalSwivellingtotal angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	CE	Yes	
DirectionalSwivellingDirectional120 °total angle (vertical plane)120 °TiltingNoWalk-overNoDrive-overNoCable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Driver included	Driver	
total angle (vertical plane)   120 °     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   0.12 Kg     Electrostatic discharge protection   Yes     Surge protection   0.5 KV	Dimmable article	No	
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 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	Directional	Swivelling	
Walk-over No   Drive-over No   Cable included Yes   Cable length 1 m   Resin potting Yes   Type of light emission Single emission   Net weight 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	total angle (vertical plane)	120 °	
Drive-over No   Cable included Yes   Cable length 1 m   Resin potting Yes   Type of light emission Single emission   Net weight 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	Tilting	No	
Cable includedYesCable length1 mResin pottingYesType of light emissionSingle emissionNet weight0.12 KgElectrostatic discharge protectionYesSurge protection0.5 KV	Walk-over	No	
Cable length   1 m     Resin potting   Yes     Type of light emission   Single emission     Net weight   0.12 Kg     Electrostatic discharge protection   Yes     Surge protection   0.5 KV	Drive-over	No	
Resin potting Yes   Type of light emission Single emission   Net weight 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	Cable included	Yes	
Type of light emission Single emission   Net weight 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	Cable length	1 m	
Net weight 0.12 Kg   Electrostatic discharge protection Yes   Surge protection 0.5 KV	Resin potting	Yes	
Electrostatic discharge protection Yes   Surge protection 0.5 KV	Type of light emission	Single emission	
Surge protection 0.5 KV	Net weight	0.12 Kg	
	Electrostatic discharge protection	Yes	
Product technological characteristics Acquastop	Surge protection	0.5 KV	
	Product technological characteristics	Acquastop	

### 



1		
Die-cast Aluminium EN AB - 46100		
Grey		
Open pore anodizing + Powder Coating		
er		
Extra clear glass - Tempered		
transparent		
et		
AISI 304 steel		
Grey		
Powder coating		
Cables Electrification		

Cable connector No

The driver contained in the device complies with IEC 61347-2-13 annex J, and can therefore be powered by centralized power systems.

# Shaker

### Projectors | 176-264 V AC /230-280 V DC | 1 x powerLED 2 W DC - 3 W AC | CRI 80 | Base 84243W60

Single emission projectors for outdoor application. The warm white LED light source with a wide flood light distribution is composed of 1 powerled LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 249 Im, with a 124.5 Im/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey 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 0.12 kg.

The total absorbed power is 3 W. The power supply cable is included and features a 1 m length.

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

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

Energy efficiency class

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

Illuminotechnical Features	
Light Output Ratio (LOR)	77 %
Source lumens	249 lm
Delivered lumens	192 lm
Consumption	3 W
Luminaire efficacy	64 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	1.5 Step
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	50°C

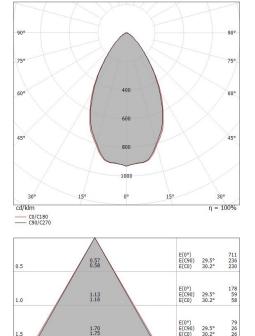
#### LED Life / Failure Ratio

L70 B10 C0 361980h (at Tj 60 Ta 25 )

UGR	
UGR axial	24.5
UGR transversal	24.4
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
01 110/12	

OI HOAL	
C0/C180 optics	59°
Light distribution simmetry	Symmetrical





E(C90) E(C90)

E(0°) E(C90) E(C0)

E(C90) E(C0)

29.5°

29.5° 30.2°

29.5° 30.2°

44 15 14

2/3 27.12.2024

2.26

2.83

3.39

Cone diameter [m C0/C180 (Half-peak divergence: 60.4°) C90/C270 (Half-peak divergence: 59.0°)

1.5

## Shaker

# Shaker | Projectors | Accessories 84243W60

ļ	160 0101 •	Picket - L. 160mm installation position: land,Cover material: aisi 304 steel	<b>Code</b> <u>98624</u>
:	102.5	Picket - L. 102.5mm installation position: land,Cover material: aisi 304 steel	<b>Code</b> 98669
	700 Ø10 ●	Picket - L. 700mm installation position: land,Cover material: aisi 304 steel	<b>Code</b> C-F500002
ĺ	1000 A 17 0101 ●	Picket - L. 1000mm installation position: land,Cover material: aisi 304 steel	<b>Code</b> C-F500003
		Anti-glare	<b>Code</b> 83246



Anti-glare Type: 45° cylindrical screen.

Material:Aluminium 6026, colour:Black, processing:Open pore anodizing + Powder Coating.