



# Zadora LED – freedom to create

## Zadora LED

Zadora LED is a range of recessed adjustable downlights for MASTERLEDspot lamps. They come in ready-to-install KIT versions including the MASTERLEDspot MV lamp. MASTER LEDspot delivers huge energy savings and minimizes maintenance cost without compromising on brightness, enabling owners to achieve a return on their investment within one year. The adjustable version offers 30° orientation from the vertical. Both lamps deliver a flux equivalent to that of a 50 W halogen lamp. Zadora LED downlights are available in different color finishes. Maintenance is easy as the lamp can be accessed directly.

### Benefits

- Easiest and cheapest way to convert from halogen luminaire to LED luminaire
- Reducing operational cost with 85% energy saving and 15 x longer lifetime compare to standard halogen based luminaire
- Direct lamp access for easy maintenance

### Features

- Integrates latest LED technology
- Available in different finishes
- Improved dimmer compatibility

### Application

- Hospitality
- Retail
- Offices

### Specifications

Type	RS049B
Light source	Replaceable LED module

Power	3.5 or 4.3 W
Beam angle	40°

## Zadora LED

<b>Luminous flux</b>	260 lm (3.5 W)
	365 lm (4.3 W)
<b>Correlated Color Temperature</b>	2700, 3000 and 4000 K
<b>Median useful life</b>	35,000 hours
<b>L70B50</b>	
<b>Median useful life</b>	25,000 hours
<b>L80B50</b>	
<b>Median useful life</b>	15,000 hours
<b>L90B50</b>	
<b>Average ambient temperature</b>	+25 °C
<b>Operating temperature range</b>	-20 to +45 °C

<b>Driver</b>	Built-in
<b>Mains voltage</b>	230 or 240 V / 50 - 60 Hz
<b>Dimming</b>	Compatible with most commercial available phase cut, leading and trailing edge dimmers
<b>Material</b>	Polycarbonate
<b>Color</b>	White (WH) and aluminum (ALU)
<b>Connection</b>	Push-in connector or with pull relief
<b>Maintenance</b>	Lamp replacement possible
<b>Installation</b>	Fixation by means of spring fasteners
	Direct on ceiling: baseplate with connection point (BA)
	Through-wiring not possible

### Versions



**MASTER LED - 36° - 5 W - 2700 K**  
**- GU10 - White - 50 W equivalent**

## Application Conditions

Ambient temperature range	-20 to +45 °C
Maximum dim level	1% (depends on dimmer, ELV)
Suitable for random switching	Yes (relates to presence/movement detection and daylight harvesting)

## Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

## Controls and Dimming

Dimmable	Yes
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## Operating and Electrical

Input Voltage	220 to 240 V
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## General Information

Beam angle of light source	36 °
Cap-Base	GU10
CE mark	CE mark
Protection class IEC	Safety class II
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Gear	-
Glow-wire test	Temperature 850 °C, duration 5 s
Kombipack	Lamp(s) included
Lamp family code	LED
Lamp power	5 W
Light source replaceable	Yes
Number of gear units	-
Number of light sources	1 pc
Optic type	Beam angle 40°
Type description	50 W equivalent
UL mark	-

## Initial Performance (IEC Compliant)

Init. Color Rendering Index	80
Luminous flux tolerance	+/-10%
Initial input power	5 W

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
912401483104	RS049B LED-MS-40-5W-2700-GU10 WH 50W	(0.43, 0.40) SDCM <5	2700 K	73 lm/W	355 lm
912401483105	RS049B LED-MS-40-5W-4000-GU10 WH 50W	(0.38, 0.37) SDCM <5	4000 K	78 lm/W	380 lm
912401483106	RS049B LED-MS-40-5W-2700-GU10 ALU 50W	(0.43, 0.40) SDCM <5	2700 K	73 lm/W	355 lm
912401483107	RS049B LED-MS-40-5W-3000-GU10 WH 50W	(0.43, 0.40) SDCM <5	3000 K	75 lm/W	365 lm
912401483108	RS049B LED-MS-40-5W-3000-GU10 ALU 50W	(0.43, 0.40) SDCM <5	3000 K	78 lm/W	365 lm

## Mechanical and Housing

Order Code	Full Product Name	Color	Order Code	Full Product Name	Color
912401483104	RS049B LED-MS-40-5W-2700-GU10 WH 50W	White	912401483105	RS049B LED-MS-40-5W-4000-GU10 WH 50W	White

## Zadora LED

Order Code	Full Product Name	Color
912401483106	RS049B LED-MS-40-5W-2700-GU10 ALU 50W	Aluminum
912401483107	RS049B LED-MS-40-5W-3000-GU10 WH 50W	White

Order Code	Full Product Name	Color
912401483108	RS049B LED-MS-40-5W-3000-GU10 ALU 50W	Aluminum

