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 compatability

Application
- Hospitality
- Retail
- Offices

Specifications

Type	RS049B
Light source	Replaceable LED module

Power	3.5 or 4.3 W
Beam angle	40º

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Luminous flux	260 lm (3.5 W)		Driver	Built-in
	365 lm (4.3 W)		Mains voltage	230 or 240 V / 50 - 60 Hz
Correlated Color Temperature	2700, 3000 and 4000 K		Dimming	Compatible with most commercial available phase cut, leading and trailing edge dimmers
Median useful life L70B50	35,000 hours		Material	Polycarbonate
Median useful life L80B50	25,000 hours		Color	White (WH) and aluminum (ALU)
Median useful life L90B50	15,000 hours		Connection	Push-in connector or with pull relief
Average ambient temperature	+25 ºC		Maintenance	Lamp replacement possible
Operating temperature range	-20 to +45 ºC		Installation	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

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Application Conditions

Ambient temperature range	-20 to +45 °C
Average ambient temperature	25 °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

Operating and Electrical

Input Voltage	220 to 240 V

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1.5 %
Median useful life L80B50	20000 h
Median useful life L90B50	10000 h

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticy	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

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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
912401483106	RS049B LED-MS-40-5W-2700-GU10 ALU 50W	Aluminum

Order Code	Full Product Name	Color
912401483107	RS049B LED-MS-40-5W-3000-GU10 WH 50W	White
912401483108	RS049B LED-MS-40-5W-3000-GU10 ALU 50W	Aluminum

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