



MasterConnect LEDspot GU10



MC LEDspot IA 4.7-50W GU10 940 36D

Introducing MasterConnect LED lamps – smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps can be programmed to maximise energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy further benefits, such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Product data

General Information			
Cap base	GU10	Colour rendering index (CRI)	90
Nominal lifetime	25,000 h	LLMF at end of nominal lifetime (nom.)	70 %
Switching Cycle	50,000	Luminous flux in 90° cone (rated)	345 lm
Lighting Technology	LED	Flickering value (PstLM)	0.5
Flux measurement reference	Narrow Cone	Stroboscopic effect	0.1
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Colour Code	940 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	36 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	345 lm	Power Consumption	4.7 W
Luminous intensity (nom.)	500 cd	Lamp current (nom.)	27 mA
Colour designation	Cool White (CW)	Starting time (nom.)	0.5 s
Luminous efficacy (rated) (nom.)	73 lm/W	Warm-up time to 60% light	0.5 s
Correlated Colour Temperature	4000 K	Power Factor (Fraction)	0.7
Colour consistency	<4	Voltage (nom.)	220-240 V

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Inrush current at mains	2.2
Max. lamp no. on MCB B type 10A — Mains	333
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A — Mains	533
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains

Temperature

T-Case maximum (nom.)	85 °C
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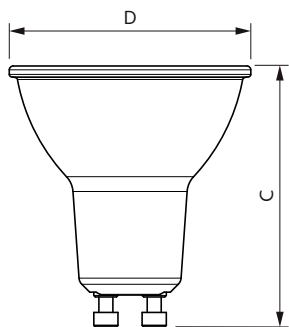
Controls and Dimming

Dimmable	Wireless Dim
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	100 mm
Bulb shape	PAR16

Dimensional drawing



Approval and Application	
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance
Energy consumption kWh/1,000 hours	5 kWh
EPREL registration number	387345
CE mark	Yes
EU RoHS compliant	Yes

Product Data

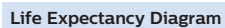
Order product name	MC LEDspot IA 4.7-50W GU10 940 36D
Full product name	MC LEDspot IA 4.7-50W GU10 940 36D
Full EOC	871869969396100
Order code	929002253902
Material no. (12 NC)	929002253902
Local order code	MCLEDSPOT940
Numerator – quantity per pack	1
Net Weight (Piece)	0.052 kg
EAN/UPC – Product/Case	8718699693961
Numerator – packs per outer box	10
EAN/UPC – Case	8718699693978

Product	D	C
MC LEDspot IA 4.7-50W GU10 940 36D	50 mm	54 mm



The graph illustrates the failure rate over time. The failure rate remains near zero for the first 15,000 hours, then rises sharply, reaching 100% at 40,000 hours. The curve is S-shaped, characteristic of a cumulative distribution function.

Time (hours)	Failure rate in %
0	0
5000	0
10000	0
15000	2
20000	15
25000	45
30000	80
35000	95
40000	100



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