



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 maximize 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
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	345 lm
Luminous Intensity (Nom)	500 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	73 lm/W
Color Consistency	<4

Color rendering index (CRI)	90
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	345 lm
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	4.7 W
Lamp Current (Nom)	27 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	220-240 V
Inrush current at mains	2.2
Max. lamp no. on MCB B type 10A - Mains	333

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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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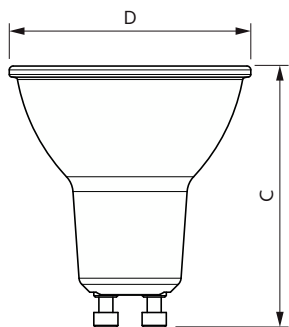
Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PAR16
Net Weight (Piece)	0.052 kg

Approval and Application

Energy Efficiency Class	F
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Dimensional drawing

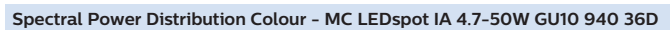


Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	5 kWh
EPREL Registration Number	387345
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	0.5
Stroboscopic effect visibility measure (SVM)	0.1

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 product code	871869969396100
Order code	69396100
Material Nr. (12NC)	929002253902
Numerator – Quantity Per Pack	1
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 until about 15,000 hours, then rises steeply, passing 50% at approximately 25,000 hours and reaching 100% at 40,000 hours.

Time (hours)	Failure rate in %
0	0
5000	1
10000	2
15000	5
20000	15
25000	50
30000	85
35000	95
40000	100



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