



# 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

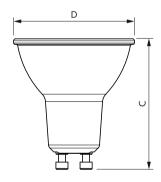
Datasheet, 2023, August 28 data subject to change

# **MasterConnect LEDspot GU10**

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
Controls and Dimming	
Dimmable	Wireless Dim
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

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	0.5	
EN 61000-3-3		
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	929002253902	
Material Nr. (12NC)	929002253902	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699693961	
Numerator - Packs per outer box	10	
EAN/UPC - Case	8718699693978	

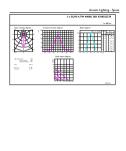
## Dimensional drawing



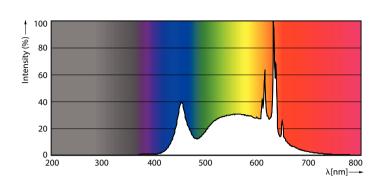
Product	D	С
MC LEDspot IA 4.7-50W GU10 940 36D	50 mm	54 mm

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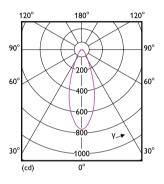
#### Photometric data





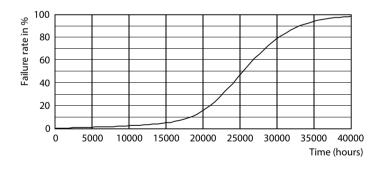


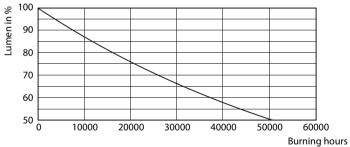
Spectral Power Distribution Colour - MC LEDspot IA 4.7-50W GU10 940 36D



Light Distribution Diagram - MC LEDspot IA 4.7-50W GU10 940 36D

#### Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - MC LEDspot IA 4.7-50W GU10 940 36D

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