MASTER LEDspot LV

MAS LEDspotLV D 7-35W 940 MR16 15D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.

Product data

• General Information

Cap base	GU5.3 [GU5.3]
Bulb shape	MR16 [2inch/50mm]
Nominal lifetime (nom.)	40000 h
B50L70	40000
Technical type	7-35W

• Light Technical

Beam Angle (Nom)	15 °
Light distribution	15D [Narrow beam]
Luminous flux (nom.)	530 lm
Luminous flux (rated) (nom.)	530 lm
Luminous intensity (nom.)	3050 cd
Colour designation	Cool White (CW)
Rated beam angle	15 °
Correlated colour temperature (nom.)	4000 K
Luminous efficacy (rated) (nom.)	61.43 lm/W
Colour consistency	6 steps
Color rendering index (nom.)	90
LLMF at end of nominal lifetime (nom.)	70 %
Luminous Flux In 90° Cone (Rated)	430 lm

• Operating and Electrical

Power (Rated) (Nom)	7 W
Lamp current (nom.)	720 mA
Wattage equivalent	35 W
Starting time (max.)	0.5 s
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	1 s
Power factor (nom.)	0.7
Voltage (Nom)	12 V

• Temperature

T-Case maximum (nom.)	92 °C

• Controls and Dimming

Dimmable	Yes

• Approval and Application

Energy-saving product	Yes
Suitable for accent lighting	Yes
Energy efficiency label (EEL)	A
Energy Consumption kWh/1000 h	8 kWh

PHILIPS

MASTER LEDspot LV

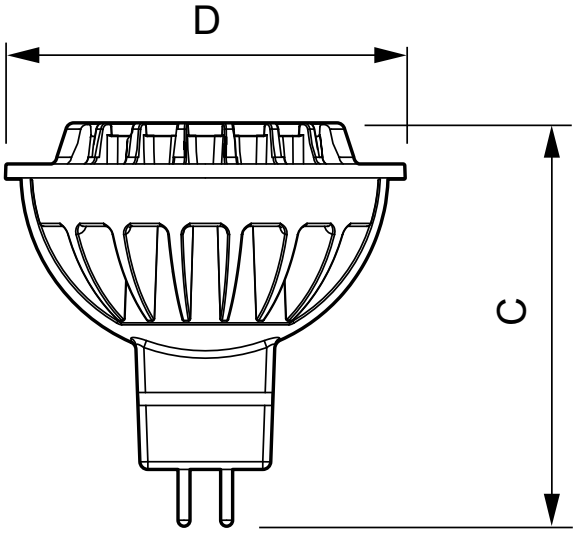
- Product Data

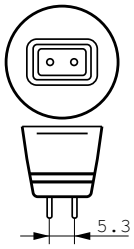
Full product code	871869665933500
Order product name	MAS LEDspotLV D 7-35W 940 MR16 15D
EAN/UPC – product	8718696659335
Order code	65933500
Numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12NC)	929001152732
Net weight (piece)	0.045 kg

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

Dimensional drawing





MR16 12V 7W-35W 420lm 15D 4000K Gu5.3 D

Product	D	C
MAS LEDspotLV D 7-35W 940 MR16 15D		

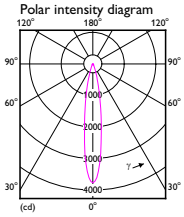
Photometric data

Accent Lighting - Spots

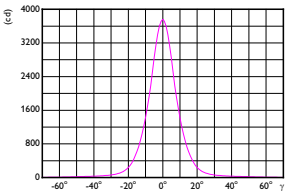
MR16 7W 15D 4000K 9290011527

1 x 530 lm

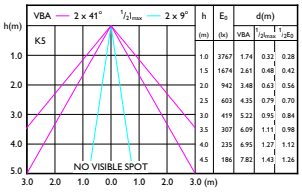
Polar intensity diagram



Cartesian intensity diagram



Beam diagram



h (m)	E_0 (lx)	d(m) VBA	d(m) 1/2 Imax	d(m) 1/2 E0
1.0	3767	1.74	0.32	0.28
1.5	1674	2.61	0.48	0.42
2.0	942	3.48	0.63	0.56
2.5	603	4.35	0.79	0.70
3.0	419	5.22	0.95	0.84
3.5	307	6.09	1.11	0.98
4.0	235	6.95	1.27	1.12
4.5	186	7.82	1.43	1.26

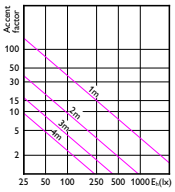
Light output ratio 1.00
Service upward 0.00
Service downward 1.00

Imax 3767 cd

VBA 2 x 41°
BS (1/2 Imax) 2 x 9°
BS (1/2 E0) 2 x 8°

K5

Visual impact diagram



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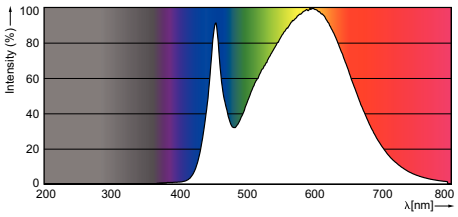

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data subject to change