

MASTER LEDspot LV - The ideal solution for spot lighting



MASTER LEDspot LV

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.

Benefits

- Up to 80% energy saving compared with halogen lamps
- Broad compatibility with transformers
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket
- Lower maintenance costs

Features

- Compatible with an extensive range of dimmers
- Lifetime is 25,000 hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Application

- Hotels, restaurants, bars, cafés
- Lobbies, corridors, stairwells, washrooms, reception areas



PHILIPS

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

Related products

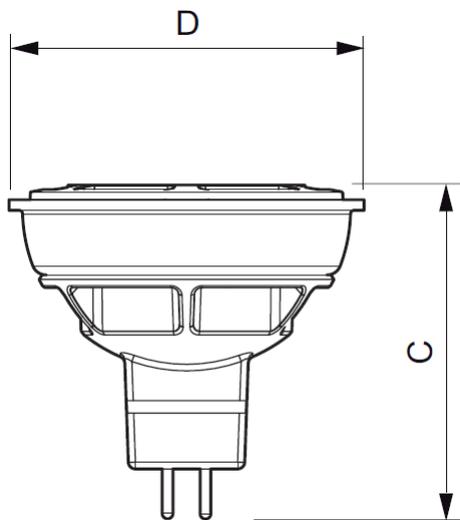
4-35W MR16



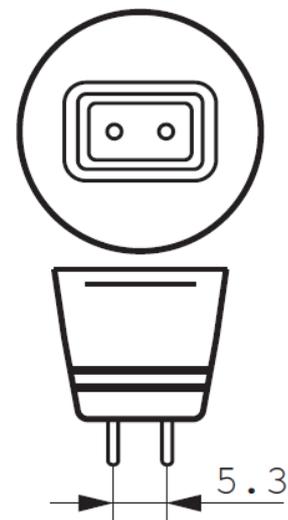
5.5-50W MR16



Dimensional drawing



Installation diagrams



Product	C (Norm)	C1 (Max)	D (Norm)	D1 (Norm)
LED Master MR16	50	-	47.4	-

Product specification

12NC	Product Description	Cap	Lamp Wattage	Replace wattage	CCT	BA	Lumen	MBCP	Life Time	CRI
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	GU5.3	5.5	50W	2,700	24	415	1800	25,000	80
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	GU5.3	5.5	50W	2,700	36	415	1000	25,000	80
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	GU5.3	5.5	50W	3,000	36	425	1000	25,000	80
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	GU5.3	5.5	50W	3,000	24	425	1800	25,000	80
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	GU5.3	5.5	50W	4,000	24	450	1800	25,000	80
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	GU5.3	5.5	50W	4,000	36	450	1000	25,000	80
929001147408	MASTER LED 4-35W 2700K MR16 24D	GU5.3	4	35W	2,700	24	240	1000	25,000	80
929001147508	MASTER LED 4-35W 2700K MR16 36D	GU5.3	4	35W	2,700	36	240	550	25,000	80
929001147608	MASTER LED 4-35W 3000K MR16 36D	GU5.3	4	35W	3,000	36	240	600	25,000	80
929001147708	MASTER LED 4-35W 3000K MR16 24D	GU5.3	4	35W	3,000	24	240	1000	25,000	80

Transformer Compatibility

PHILIPS 12V MASTER LED MR16 lamp has a unique, patented, electronic solution embedded that makes this LED Replacement lamp compatible with the broadest possible range of standard 12VAC Halogen electronic transformers in the global market place except for some IC-base transformers WHEN the whole system is without dimmers. Compatibility with electromagnetic transformers is guaranteed as well.

To determine the maximum number of these LED MR16 lamps to be connected to a standard halogen transformer, is by simply dividing 20% of the rated power of the transformer by LED lamp wattage. Thus, a 150W Halogen transformer will hold 4W LED MR16 up to $\text{INT}(150 \times 20\% / 4) = 7$ lamps.

Master LED MR16 4W compatibility list

NO	Brand	Model	Load min.	Load max.	1 lamp	2 lamp	3 lamp
1	Philips	ET-E10LED	4W(LED)	10W(LED)	PASS	PASS	NA
2	Philips	ET-E15LED	4W(LED)	15W(LED)	PASS	PASS	PASS
3	Philips	ET-S15LED	4W(LED)	15W(LED)	PASS	PASS	PASS
4	Philips	ET-E60	20W	60W	PASS	PASS	PASS
5	Philips	ET-S60	20W	60W	PASS	PASS	PASS
6	Philips	ET-C60	NA	60W	PASS	PASS	PASS
7	Philips	ET-E105	50W	105W	NA	PASS	PASS
8	Philips	ET-E150	70W	150W	NA	PASS	PASS
9	Philips	EHC150F	0W	60W	PASS	PASS	PASS
10	Philips	ET-R50A26S	20W	50W	PASS	PASS	PASS
11	Philips	Certaline 60	20W	60W	PASS	PASS	PASS
12	Philips	Certaline 105	35W	105W	PASS	PASS	PASS
13	Philips	Certaline 150	50W	150W	NA	Fail	PASS
14	Philips	Primaline 70	20W	70W	PASS	PASS	PASS
15	Philips	Primaline 105	35W	105W	PASS	PASS	PASS
16	Philips	Primaline 150	50W	150W	NA	PASS	PASS
17	OSRAM	Redback 60VA	20W	60W	PASS	PASS	PASS
18	OSRAM	HTM 150	50W	150W	NA	PASS	PASS
19	LONON	LNDET-50	20W	50W	PASS	PASS	PASS
20	NVC	ET60E	20W	60W	PASS	PASS	PASS
21	Varilight	YT50	0W	50W	PASS	PASS	PASS
22	Varilight	YT70	0W	70W	PASS	PASS	PASS
23	Aurora	AU-60	10W	60W	PASS	PASS	PASS

Master LED MR16 5.5W compatibility list

NO	Brand	Model	Load min.	Load max.	1 lamp	2 lamp	3 lamp
1	Philips	ET-E10LED	4W(LED)	10W(LED)	PASS	NA	NA
2	Philips	ET-E15LED	4W(LED)	15W(LED)	PASS	PASS	NA
3	Philips	ET-S15LED	4W(LED)	15W(LED)	PASS	PASS	NA
4	Philips	ET-E60	20W	60W	PASS	PASS	NA
5	Philips	ET-S60	20W	60W	PASS	PASS	NA
6	Philips	ET-C60	NA	60W	PASS	PASS	NA
7	Philips	ET-E105	50W	105W	NA	PASS	PASS
8	Philips	ET-E150	70W	150W	NA	PASS	PASS
9	Philips	EHC150F	0W	60W	PASS	PASS	NA
10	Philips	ET-R50A26S	20W	50W	PASS	NA	NA
11	Philips	Certaline 60	20W	60W	PASS	PASS	NA
12	Philips	Certaline 105	35W	105W	PASS	PASS	PASS
13	Philips	Certaline 150	50W	150W	NA	Fail	PASS
14	Philips	Primaline 70	20W	70W	PASS	PASS	NA
15	Philips	Primaline 105	35W	105W	PASS	PASS	PASS
16	Philips	Primaline 150	50W	150W	NA	PASS	PASS
17	OSRAM	Redback 60VA	20W	60W	PASS	PASS	NA
18	OSRAM	HTM 150	50W	150W	NA	PASS	PASS
19	LONON	LNDET-50	20W	50W	PASS	NA	NA
20	NVC	ET60E	20W	60W	PASS	PASS	NA
21	Varilight	YT50	0W	50W	PASS	NA	NA
22	Varilight	YT70	0W	70W	PASS	PASS	NA
23	Aurora	AU-60	10W	60W	PASS	PASS	NA



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data subject to change