



# The affordable LEDspot solution

# CorePro LEDspot LV

CorePro LEDspots are a perfect fit for spot lighting and deliver warm halogen-like light. They are compatible with most existing fixtures with MR16 GU5.3 holders and are designed as a retrofit replacement for halogen or incandescent spots. CorePro LEDspots deliver huge energy savings and minimize maintenance cost.

#### **Benefits**

- $\cdot$  Up to 80% energy saving compared with halogen lamps
- Lower maintenance costs
- Broad compatibility with transformers

#### Features

- Easy retrofit
- Lifetime of 15,000hours
- UV- and IR-free light
- $\cdot$  Free of mercury and hazardous materials

#### Application

- Hotels, restaurants, bars, cafés, museums, shops
- Lobbies, corridors, stairwells, washrooms, reception areas , exhibitions, display cabinets

## Versions



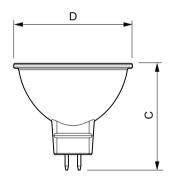
CorePro LEDspot LV 35W GU5-3 827 36D ND

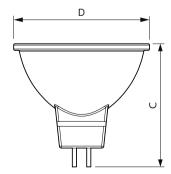


LEDspots Corepro SLR 2 MR16 GU5,3



Dimensional drawing





LEDspot GU4 Classic MR11

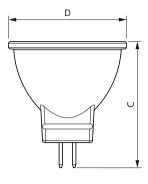


LEDspots GMGC 2 MR16 GU5,3

Product	D	с
CorePro LED spot ND 2.9-20W MR16 827 36D	50.5 mm	45.5 mm
CorePro LED spot ND 4.4-35W MR16 827 36D	50.5 mm	45.5 mm
CorePro LED spot ND 4.4-35W MR16 840 36D	50.5 mm	45.5 mm
CorePro LED spot ND 7-50W MR16 827 36D	50.5 mm	45 mm
CorePro LED spot ND 7-50W MR16 830 36D	50.5 mm	45 mm
CorePro LED spot ND 7-50W MR16 840 36D	50.5 mm	45 mm
CorePro LED spot ND4.4-35WMR16 827 36DUK	50.5 mm	45.5 mm
CorePro LED spot ND4.4-35WMR16 840 36DUK	50.5 mm	45.5 mm
CorePro LEDspot 4.4-35W MR16 827 36D 5CT	50.5 mm	45.5 mm

Product	D	с
CorePro LED 3-35W 2700K MR16 24D CN	50 mm	46 mm
CorePro LED 3-35W 6500K MR16 24D CN	50 mm	46 mm
CorePro LED 5-50W 2700K MR16 24D CN	50 mm	46 mm
CorePro LED 5-50W 6500K MR16 24D CN	50 mm	46 mm

## Dimensional drawing



General Information	
Switching Cycle	50,000
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	- Hz
Line Frequency	- Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No

#### **General Information**

			Rated	
		Cap-	Lifetime	Nominal
Order Code	Full Product Name	Base	(Hours)	lifetime
929002494602	CorePro LED spot ND 4.4-35W	GU5.3	-	15,000
	MR16 827 36D			hour(s)
929002494652	CorePro LEDspot 4.4-35W MR16	GU5.3	-	15,000
	827 36D 5CT			hour(s)
929002494699	CorePro LED spot	GU5.3	-	15,000
	ND4.4-35WMR16 827 36DUK			hour(s)
929002494702	CorePro LED spot ND 4.4-35W	GU5.3	-	15,000
	MR16 840 36D			hour(s)
929002494799	CorePro LED spot	GU5.3	-	15,000
	ND4.4-35WMR16 840 36DUK			hour(s)
929001904802	CorePro LED spot ND 7-50W	GU5.3	-	15,000
	MR16 827 36D			hour(s)
929001904902	CorePro LED spot ND 7-50W	GU5.3	-	15,000
	MR16 830 36D			hour(s)

			Rated	
		Cap-	Lifetime	Nominal
Order Code	Full Product Name	Base	(Hours)	lifetime
929001905002	CorePro LED spot ND 7-50W	GU5.3	-	15,000
	MR16 840 36D			hour(s)
929002494502	02 CorePro LED spot ND 2.9-20W GU5.3	GU5.3	-	15,000
	MR16 827 36D			hour(s)
929002066402	CorePro LED spot 2.3-20W 827	GU4	-	25,000
	MR11 36D			hour(s)
929001240110	CorePro LED 5-50W 2700K	GU5.3	15,000	15,000
	MR16 24D CN		hour(s)	hour(s)
929001240210	CorePro LED 5-50W 6500K	GU5.3	15,000	15,000
	MR16 24D CN		hour(s)	hour(s)
929001239710	CorePro LED 3-35W 2700K MR16	GU5.3	15,000	15,000
	24D CN		hour(s)	hour(s)
929001239810	CorePro LED 3-35W 6500K	GU5.3	15,000	15,000
	MR16 24D CN		hour(s)	hour(s)

## Light Technical

Product	D	с
CorePro LED spot 2.3-20W 827 MR11 36D	35.5 mm	39.5 mm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux	Luminous Intensity (Nom)
929002494602	CorePro LED spot ND 4.4-35W MR16 827 36D	36 degree(s)	2700 K	827	345 lm	650 cd
929002494652	CorePro LEDspot 4.4-35W MR16 827 36D 5CT	36 degree(s)	2700 K	827	345 lm	650 cd
929002494699	CorePro LED spot ND4.4-35WMR16 827 36DUK	36 degree(s)	2700 K	827	345 lm	650 cd
929002494702	CorePro LED spot ND 4.4-35W MR16 840 36D	36 degree(s)	4000 K	840	390 lm	750 cd
929002494799	CorePro LED spot ND4.4-35WMR16 840 36DUK	36 degree(s)	4000 K	840	390 lm	750 cd
929001904802	CorePro LED spot ND 7-50W MR16 827 36D	36 degree(s)	2700 K	827	621 lm	1,400 cd
929001904902	CorePro LED spot ND 7-50W MR16 830 36D	36 degree(s)	3000 K	830	621 lm	1,400 cd
929001905002	CorePro LED spot ND 7-50W MR16 840 36D	36 degree(s)	4000 K	840	660 lm	1,500 cd
929002494502	CorePro LED spot ND 2.9-20W MR16 827 36D	36 degree(s)	2700 K	827	230 lm	560 cd
929002066402	CorePro LED spot 2.3-20W 827 MR11 36D	36 degree(s)	2700 K	827	184 lm	400 cd
929001240110	CorePro LED 5-50W 2700K MR16 24D CN	24 degree(s)	2700 K	827	400 lm	1,700 cd
929001240210	CorePro LED 5-50W 6500K MR16 24D CN	24 degree(s)	6500 K	865	435 lm	1,700 cd
929001239710	CorePro LED 3-35W 2700K MR16 24D CN	24 degree(s)	2700 K	827	260 lm	1,000 cd
929001239810	CorePro LED 3-35W 6500K MR16 24D CN	24 degree(s)	6500 K	865	290 lm	1,000 cd

## **Operating and Electrical**

		Power	Wattage			Power
Order Code	Full Product Name	Consumption	Equivalent	Order Code	Full Product Name	Consumption
929002494602	CorePro LED spot ND 4.4-35W	4.4 W	35 W	929001905002	CorePro LED spot ND 7-50W	7 W
	MR16 827 36D				MR16 840 36D	
929002494652	CorePro LEDspot 4.4-35W MR16	4.4 W	35 W	929002494502	CorePro LED spot ND 2.9-20W	2.9 W
	827 36D 5CT				MR16 827 36D	
929002494699	CorePro LED spot	4.4 W	35 W	929002066402	CorePro LED spot 2.3-20W 827	2.3 W
	ND4.4-35WMR16 827 36DUK				MR11 36D	
929002494702	CorePro LED spot ND 4.4-35W	4.4 W	35 W	929001240110	CorePro LED 5-50W 2700K MR16	5 W
	MR16 840 36D				24D CN	
929002494799	CorePro LED spot	4.4 W	35 W	929001240210	CorePro LED 5-50W 6500K MR16	5 W
	ND4.4-35WMR16 840 36DUK				24D CN	
929001904802	CorePro LED spot ND 7-50W	7 W	50 W	929001239710	CorePro LED 3-35W 2700K MR16	3 W
	MR16 827 36D				24D CN	
929001904902	CorePro LED spot ND 7-50W	7 W	50 W	929001239810	CorePro LED 3-35W 6500K MR16	3 W
	MR16 830 36D				24D CN	

#### Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929002494602	CorePro LED spot ND 4.4-35W MR16 827 36D	85 °C
929002494652	CorePro LEDspot 4.4-35W MR16 827 36D 5CT	85 °C
929002494699	CorePro LED spot ND4.4-35WMR16 827 36DUK	85 °C
929002494702	CorePro LED spot ND 4.4-35W MR16 840 36D	85 °C
929002494799	CorePro LED spot ND4.4-35WMR16 840 36DUK	85 °C
929001904802	CorePro LED spot ND 7-50W MR16 827 36D	85 °C
929001904902	CorePro LED spot ND 7-50W MR16 830 36D	85 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001905002	CorePro LED spot ND 7-50W MR16 840 36D	85 °C
929002494502	CorePro LED spot ND 2.9-20W MR16 827 36D	75 °C
929002066402	CorePro LED spot 2.3-20W 827 MR11 36D	60 °C
929001240110	CorePro LED 5-50W 2700K MR16 24D CN	76 ℃
929001240210	CorePro LED 5-50W 6500K MR16 24D CN	76 ℃
929001239710	CorePro LED 3-35W 2700K MR16 24D CN	76 ℃
929001239810	CorePro LED 3-35W 6500K MR16 24D CN	76 ℃

#### Mechanical and Housing

		Bulb	Bulb
Order Code	Full Product Name	Finish	Shape
929002494602	CorePro LED spot ND 4.4-35W MR16 827 36D	-	MR16

		Bulb	Bulb
Order Code	Full Product Name	Finish	Shape
929002494652	CorePro LEDspot 4.4-35W MR16 827 36D 5CT	-	MR16

Wattage Equivalent 50 W

20 W

20 W

50 W

50 W

35 W

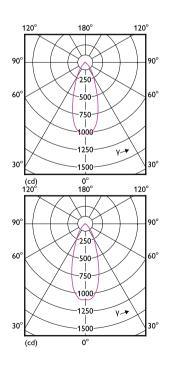
35 W

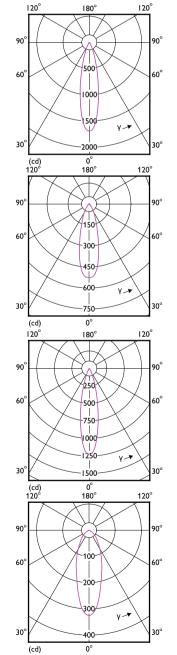
	Bulb	Bulb
Full Product Name	Finish	Shape
CorePro LED spot ND4.4-35WMR16 827	-	MR16
36DUK		
CorePro LED spot ND 4.4-35W MR16 840 36D	-	MR16
CorePro LED spot ND4.4-35WMR16 840	-	MR16
36DUK		
CorePro LED spot ND 7-50W MR16 827 36D	-	MR16
CorePro LED spot ND 7-50W MR16 830 36D	-	MR16
	CorePro LED spot ND4.4-35WMR16 827 36DUK CorePro LED spot ND 4.4-35W MR16 840 36D CorePro LED spot ND4.4-35WMR16 840 36DUK CorePro LED spot ND 7-50W MR16 827 36D	Full Product Name Finish   CorePro LED spot ND4.4-35WMR16 827 -   36DUK -   CorePro LED spot ND4.4-35WMR16 84006 -   CorePro LED spot ND4.4-35WMR16 8400 -   36DUK -   CorePro LED spot ND4.4-35WMR16 8400 -   36DUK -   CorePro LED spot ND4.4-35WMR16 8400 -   36DUK -   CorePro LED spot ND4.5-35WMR16 8400 -   36DUK -

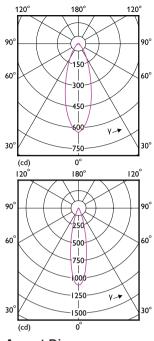
		Bulb	Bulb
Order Code	Full Product Name	Finish	Shape
929001905002	CorePro LED spot ND 7-50W MR16 840 36D	-	MR16
929002494502	CorePro LED spot ND 2.9-20W MR16 827 36D	-	MR16
929002066402	CorePro LED spot 2.3-20W 827 MR11 36D	Clear	MR11
929001240110	CorePro LED 5-50W 2700K MR16 24D CN	-	MR16
929001240210	CorePro LED 5-50W 6500K MR16 24D CN	-	MR16
929001239710	CorePro LED 3-35W 2700K MR16 24D CN	-	MR16
929001239810	CorePro LED 3-35W 6500K MR16 24D CN	-	MR16

#### Approval and Application

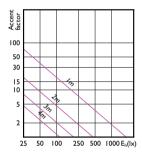
		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
929002494602	CorePro LED spot ND 4.4-35W MR16 827 36D	5 kWh
929002494652	CorePro LEDspot 4.4-35W MR16 827 36D 5CT	5 kWh
929002494699	CorePro LED spot ND4.4-35WMR16 827 36DUK	5 kWh
929002494702	CorePro LED spot ND 4.4-35W MR16 840 36D	5 kWh
929002494799	CorePro LED spot ND4.4-35WMR16 840	5 kWh
	36DUK	
929001904802	CorePro LED spot ND 7-50W MR16 827 36D	7 kWh
929001904902	CorePro LED spot ND 7-50W MR16 830 36D	7 kWh
929001905002	CorePro LED spot ND 7-50W MR16 840 36D	7 kWh
929002494502	CorePro LED spot ND 2.9-20W MR16 827 36D	3 kWh
929002066402	CorePro LED spot 2.3-20W 827 MR11 36D	3 kWh
929001240110	CorePro LED 5-50W 2700K MR16 24D CN	-
929001240210	CorePro LED 5-50W 6500K MR16 24D CN	-
929001239710	CorePro LED 3-35W 2700K MR16 24D CN	-
929001239810	CorePro LED 3-35W 6500K MR16 24D CN	-



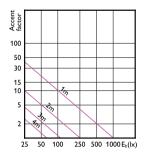




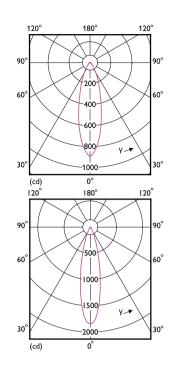
**Accent Diagrams** 

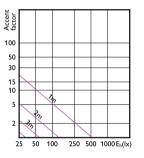


Accent Diagram - CorePro LED 5-50W 6500K MR16 24D CN

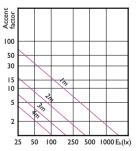


Accent Diagram - CorePro LED spot ND 7-50W MR16 830 36D

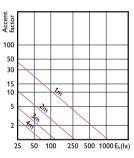




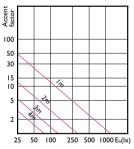
Accent Diagram - CorePro LED spot ND 2.9-20W MR16 827 36D



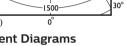
Accent Diagram - CorePro LED 5-50W 2700K MR16 24D CN



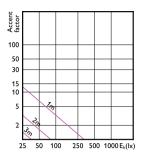
Accent Diagram - CorePro LED spot ND 7-50W MR16 840 36D



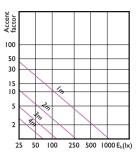




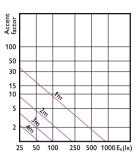
#### **Accent Diagrams**



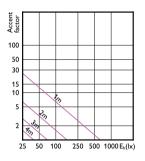
Accent Diagram - CorePro LED spot 2.3-20W



Accent Diagram - CorePro LED 3-35W 2700K MR16 24D CN



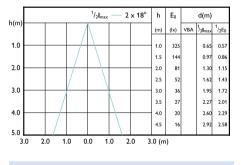
Accent Diagram - CorePro LED spot ND4.4-35WMR16 840 36DUK



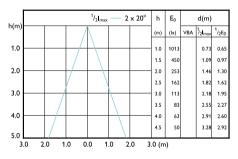
827 MR11 36D

Accent Diagram - CorePro LED spot ND 4.4-35W MR16 827 36D

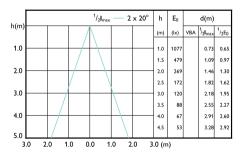
#### **Beam Diagrams**



Beam diagram - CorePro LED spot 2.3-20W 827 MR11 36D



Beam diagram - CorePro LED spot ND 7-50W MR16 830 36D

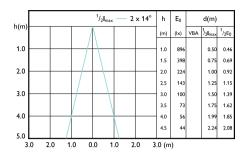


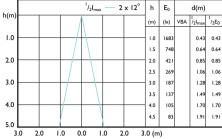
Beam diagram - CorePro LED spot ND 7-50W MR16 840 36D

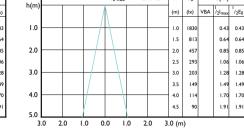
Beam diagram - CorePro LED spot

ND4.4-35WMR16 840 36DUK

#### **Beam Diagrams**







<sup>1</sup>/<sub>2</sub>I<sub>max</sub>

2 x 12° h E<sub>0</sub> d(m)

0.43

0.64

0.85

1.06

1.28

1.49

1.70

1.91

#### Beam diagram - CorePro LED 5-50W 2700K MR16 24D CN

#### Beam diagram - CorePro LED 5-50W 6500K MR16 24D CN

<sup>1</sup>/<sub>2</sub>|<sub>max</sub>

2 x 17°

E<sub>0</sub>

634

d(m)

/2 max

0.61 0.57

0.92 0.86

1.22 1.15

1.53 1.43

1.83

2.14 2.01

2.45 2.29

1/2E0

1.72

h

(m) (lx) VBA

1.0

1.5 282

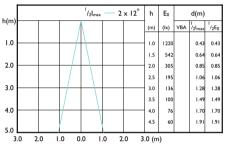
2.0 159

2.5 101

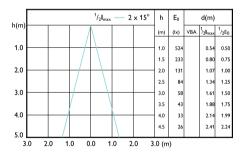
3.0 70

3.5 52

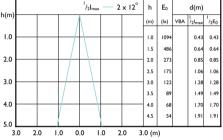
4.0 40



#### Beam diagram - CorePro LED 3-35W 6500K MR16 24D CN



Beam diagram - CorePro LED spot ND 2.9-20W MR16 827 36D





4.5 2.75 2.58 31 5.0 3.0 (m) 3.0 2.0 1.0 0.0 1.0 2.0 Beam diagram - CorePro LED spot ND 4.4-35W

MR16 827 36D

h(m

1.0

2.0

3.0

4.0

<sup>1</sup>/<sub>2</sub>|<sub>max</sub> h(m



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