



**PHILIPS**

LEDlamps

The complete  
portfolio



# LED can work for you

Professional LEDlamps catalog  
Quarter 1 / 2015

'15  
February



# What's new in professional lighting?

**Life without light** is impossible to imagine. We've been using it for thousands of years, in ever-more sophisticated ways, to enhance **our lives** and illuminate **our world**.

**Our solutions** are light on the environment too. That's important for two reasons. Firstly, your customers want to use as **little energy** as possible in these times of rising energy prices and difficult economies. And secondly, they also want **to save the planet** from the effects of climate change to create a more sustainable world. With our lamps they can do both. Lighting technology has been totally **revolutionized** in the last 10 to 15 years. **LED** is becoming more influential in home lighting and is slowly transforming the way we think about light. We've been a pioneer in **innovative lighting** solutions, encouraging our experts to seek inspirational **new ways to light** our world.

They've risen to the **challenge** by developing solutions that combine energy efficiency and ease of use with the exception **quality of light**. From miniaturized lamps that are beautifully discreet to those designed for a very specific purpose.

All our lamps comply with current legislation and have been designed to make choosing the **right solution** as easy as possible. And because life is complicated enough, we've made sure that **technology** never gets in the way.

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## LEDspot

### MASTER LEDspot



4-35 W 5.5-50 W

MASTER LEDspot MV GU10 - P 16



4.5-20 W 6.5-35 W 10-50 W 7-35 W 7-40 W

MASTER LEDspot LV MR16 GU5.3 - P 20-21



3.5 W

MASTER LEDspot LV MR11 GU4 - P 26



10-50 W 15-75 W

MASTER LEDspot LV AR111 GU5.3 - P 27



PAR20 / 6.5-50 W PAR30S / 9.5-75 W PAR38 / 13-100 W

MASTER LEDspot MV PAR E27 - P 28-29

### MASTER LEDspot Value



4.5-35 W

MASTER LEDspot Value MV GU10 - P 17



5.3-50 W



4-20 W

MASTER LEDspot Value LV MR16 GU5.3 - P 22



6.5-35 W

### CorePro LEDspot



3.5-35 W

CorePro LEDspot MV GU10 - P 18



4.5-50 W



5-35 W

CorePro LEDspot MV GU5.3 - P 24



4.5-40 W

CorePro LEDspot MV R50 E14 - P 30

## LEDcapsule

### CorePro LEDcapsule



G9 / 2.5-25 W

CorePro LEDcapsule G9 - P 34



LV 1.2-10W

CorePro LEDcapsule G4 - P 34



LV 2.2-20W

CorePro LEDcapsule G4 - P 34

## LEDbulb

### MASTER LEDbulb



6-40 W Clear 7-40 W 9-60 W Clear

MASTER LEDbulb E27/B22 - P 38



8-40 W DimTone 10-60 W

MASTER LEDbulb E27/B22 - P 38-39



13-75 W 18-100 W

MASTER LEDbulb E27/B22 - P 39

### CorePro LEDbulb



4-32 W 5.5-40 W

CorePro LEDbulb E27 - P 40



6-48 W 9-65 W

CorePro LEDbulb E27/B22 - P 40



9.5-60 W 10.5-75 W

CorePro LEDbulb E27 - P 41



11.5-75 W 15.5-100 W

CorePro LEDbulb E27 - P 41

## LEDcandle

### MASTER LEDcandle DiamondSpark



3.5-25 W 3.5-25 W

MASTER LEDcandle DiamondSpark E14 - P 44



6-40 W 6-40 W

MASTER LEDcandle DiamondSpark E14 - P 45



3.5-25 W 6-40 W

MASTER LEDcandle DiamondSpark B22/B15 - P 44-45

### CorePro LEDcandle



3-25 W 6-40 W

CorePro LEDcandle E14 - P 46

## LEDluster

### MASTER LEDluster DiamondSpark



3.5-25 W 6-40 W

MASTER LEDluster DiamondSpark E14 - P 50-51



3.5-25 W 6-40 W

MASTER LEDluster DiamondSpark E27 - P 50-51

### CorePro LEDluster



3-25 W 6-40 W

MASTER LEDluster E14 - P 52



3-25 W

MASTER LEDluster E27 - P 52

## LEDtube

### MASTER LEDtube



EM

MASTER LEDtube - P 58-59



HF

MASTER LEDtube - P 58-59

### CorePro LEDtube



CorePro LEDtube - P 60

# Why choose Philips for LEDlamps

## BEST product

### Our LEDlamps provide you with:

- **High quality of light:** consistency in color of light ... and no unpleasant surprises in the application
- A uniform, directional beam of light ... and no waste of light in places where you don't want light
- Maximum transformer compatibility ... we designed a unique intelligent driver concept for low voltage LEDlamps, which enables broad compatibility with existing transformers
- High performance dimming ... enjoy smooth, flicker-free dimming with our MASTER LEDlamps. Compatible with all the major dimmer brands in the market.

## BEST partner

### Close cooperation with Philips before, during, and after projects:

"They really managed to satisfy our needs well. They really have cared a lot and showed a lot of commitment ..."

### Technical consulting and intense customer support:

"Quick and competent responses to questions"

### Close cooperation with local wholesalers was a key element of assuring on-time product availability:

"Philips is flexible to offer different delivery options"

## BEST portfolio

- Extensive portfolio ... we have a lamp for every socket and our offer entails an entry range - CorePro ... and a high end range - MASTER
- Philips offers products for all fields in all different segments/ applications, from carpark to supermarket and from office to hotel lobby.

A world leader in LED Lighting

**Note:** For the full dimmer and transformer compatibility list please visit: [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps).

# Recent **EU regulations** related to lighting products

The European Union (EU) is issuing more and more regulation aimed at reducing energy consumption and the emission of greenhouse gases. At Philips we're committed to leading the lighting market in sustainability and fully support this strategy. These are the key changes in legislation for lighting.

#### Lighting performance and packaging

The EU Ecodesign directive 2009/125/EC for Energy-related Products (ErP) requires inefficient light sources to be phased out in accordance with regulations EC 244/2009 and EC 1194/2012. It also defines the minimum performance standards for their energy-saving alternatives. Since September 2013, the renewed Energy Efficiency Labeling directive has also come into force, introducing two new classes of energy efficiency: A+ and A++.

#### The most important changes for 2015

- For non-directional light sources that use halogen and compact fluorescent technology, the performance requirements (EU regulation 244/2009 stage 6) will be officially reviewed by the EU.
- For directional light sources (reflector lamps) the EU regulation 1194/2012 has entered into force. As of September 2014, all incandescent reflector lamps have been banned, except for PAR and special purpose lamps (like IR, colored and crown-mirror lamps).

A woman with long dark hair, seen from behind, carries a baby in a white sleeveless shirt and a straw hat. They are walking on a city street at night, illuminated by colorful bokeh lights. The woman is wearing a white t-shirt. The baby is looking towards the camera.

# Corporate social responsibility

Protecting the environment is something that we're passionate about and an integral part of the way we do business. To reduce the amount of energy our products use, and their CO2 footprint, we invest in the most innovative, energy-efficient technologies.

In fact, we were recognized as one of the top 50 greenest brands in the world by Interbrand (Best Global Green brands 2012).

We care about the things that go into our products too. Since July 1st 2006, the EU Directive on the Restriction of Hazardous Substances (RoHS) has regulated the use of certain materials in electrical and electronic equipment.

Choosing Philips guarantees compliance with all applicable laws. It also offers a wide range of possibilities with lamps that comply with the highest environmental standards.

# Broad LEDspots portfolio for every need



**CorePro LEDspot**  
Range MV & LV

**Basic performance**

- 15,000 hours lifetime
- 2 years warranty
- Non-dimmable
- 827 & 830 CCT



**MASTER LEDspot Value**  
Range MV & LV

**Value for money**

- 25,000 hours lifetime
- 3 years warranty
- Dimmable
- 827, 830 & 840 CCT



**MASTER LEDspot**  
Range MV & LV

**Ultimate performance**

- 40,000 hours lifetime
- 5 years warranty
- Dimmable
- DimTone (for 6.5-35W)
- 827, 830 & 840 CCT

# LEDspot



## MASTER LEDspot

## MASTER LEDspot Value

## CorePro LEDspot



MV GU10 / 4-35 W  
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MV GU10 / 5.5-50 W  
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MV GU10 / 4.5-35 W  
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MV GU10 / 3.5-35 W  
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MV GU10 / 5.3-50 W  
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MV GU10 / 4.5-50 W  
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LV MR16 GU5.3 / 4.5-20 W  
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LV MR16 GU5.3 / 6.5-35W  
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LV MR16 GU5.3 / 10-50 W  
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LV MR16 GU5.3 / 4-20 W  
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LV GU5.3 / 5-35 W  
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LV MR16 GU5.3 / 7-35 W  
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LV MR16 GU5.3 / 7-40 W  
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LV MR16 GU5.3 / 6.5-35 W  
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LV MR11 GU4 / 3.5 W  
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LV AR111 G53 / 10-50 W  
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LV AR111 G53 / 15-75 W  
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MV PAR20 E27 / 6.5-50 W  
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MV PAR30S E27 / 9.5-75 W  
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MV R50 E14 / 4.5-40 W  
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NEW  
MV PAR38 E27 /  
13-100 W  
Page 29





# MASTER LEDspot MV

With our LEDspots Mains Voltage you can enjoy bright, energizing light, at the same time as saving energy and money. Perfect for accent and general lighting. With DimTone the light gets warmer when dimmed. CRI90 gives you the best color presentation (for retail applications).

- New MASTER Value range - see page 64
- DimTone - see page 65
- High Performance Dimming - see page 66
- Longest lifetime
- Superior light quality
- Maximum energy savings



## MASTER LEDspot MV / 4-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 4-35W GU10 2700K 25D	4	35	235	59	900	25	>80	2700	69702200
D 4-35W GU10 2700K 40D	4	35	235	59	500	40	>80	2700	69704600
D 4-35W GU10 3000K 25D	4	35	250	63	1100	25	>80	3000	69706000
D 4-35W GU10 3000K 40D	4	35	250	63	600	40	>80	3000	69708400
D 4-35W GU10 4000K 25D	4	35	260	65	1100	25	>80	4000	69710700
D 4-35W GU10 4000K 40D	4	35	260	65	600	40	>80	4000	69712100



## MASTER LEDspot MV / 5.5-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 5.5-50W GU10 2700K 25D	5.5	50	350	64	1100	25	>80	2700	69714500
D 5.5-50W GU10 2700K 40D	5.5	50	350	64	800	40	>80	2700	69716900
D 5.5-50W GU10 2700K 60D	5.5	50	350	64	400	60	>80	2700	69718300
D 5.5-50W GU10 3000K 25D	5.5	50	375	68	1200	25	>80	3000	69720600
D 5.5-50W GU10 3000K 40D	5.5	50	375	68	850	40	>80	3000	69722000
D 5.5-50W GU10 4000K 40D	5.5	50	385	70	850	40	>80	4000	69728200

Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.



# MASTER LEDspot MV Value

## Quality, VALUE and lifetime

You've got it in one with the new range of MASTER LEDspot Value lamps. Designed with a 36D beam angle for general lighting applications in retail and hospitality, they offer high quality at an affordable price. With a choice of three color temperatures, dimmable options, and a reliable lifetime, it's everything you value in LED.

- New MASTER Value range - see page 64
- High Performance Dimming - see page 66
- Long lifetime
- Superior light quality
- Maximum energy savings



## MASTER LEDspot MV Value/ 4.5-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV Value	W	W	lm	lm/W	cd	°		K	8718291
D 4.5-35W GU10 2700K 36D	4.5	35	305	68	780	36	>80	2700	73538000
D 4.5-35W GU10 3000K 36D	4.5	35	305	68	780	36	>80	3000	77274300
D 4.5-35W GU10 4000K 36D	4.5	35	335	79	850	36	>80	4000	77276700



## MASTER LEDspot MV Value/ 5.3-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV Value	W	W	lm	lm/W	cd	°		K	8718291
D 5.3-50W GU10 2700K 36D	5.3	50	355	67	950	36	>80	2700	73540300
D 5.3-50W GU10 3000K 36D	5.3	50	355	67	950	36	>80	3000	77193700
D 5.3-50W GU10 4000K 36D	5.3	50	390	74	1000	36	>80	4000	77195100





## CorePro LEDspot MV

CorePro LEDspots are a perfect fit for spot lighting and deliver warm halogen-like light.

- Easy retrofit
- Long lifetime
- Huge energy saving
- Low heat generation



### CorePro LEDspot MV / 3.5-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDspot MV	W	W	lm	lm/W	cd	°		K	87182917
3.5-35W 2700K 36D	3.5	35	270	77	680	36	>80	2700	9916000
3.5-35W 3000K 36D	3.5	35	270	77	680	36	>80	3000	9918400



### CorePro LEDspot MV / 4.5-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
4.5-50W 2700K 36D	4.5	50	380	84	950	36	>80	2700	9920700
4.5-50W 3000K 36D	4.5	50	380	84	950	36	>80	3000	9922100





# MASTER LEDspot LV MR16

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.)

- AirFlux - see page 65
- TransforMax (excluding 20 W) - see page 66
- DimTone - see page 65
- Dimmable
- Long lifetime
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



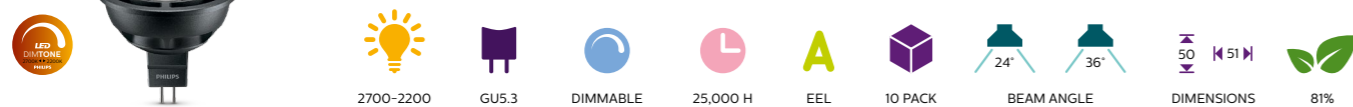
## MASTER LEDspot LV MR16 / 4.5-20 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
4.5-20W 2700K MR16 24D	4.5	20	207	41	1000	24	>80	2700	77236600



## MASTER LEDspot LV MR16 / 6.5-35W DimTone



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718969
6.5-35W 2700K MR16 24D	6.5	35	370	57	1800	24	>80	2700-2200	44213500
6.5-35W 2700K MR16 36D	6.5	35	370	57	900	36	>80	2700-2200	44215900



## MASTER LEDspot LV MR16 / 7-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 7-35W 2700K MR16 24D	7	35	350	50	1950	24	>80	2700	65447600
D 7-35W 2700K MR16 36D	7	35	350	50	1050	36	>80	2700	65538100
D 7-35W 2700K MR16 60D	7	35	420	60	460	60	>80	2700	65544200
D 7-35W 3000K MR16 24D	7	35	350	50	1950	24	>80	3000	65449000
D 7-35W 3000K MR16 36D	7	35	350	50	1050	36	>80	3000	65540400
D 7-35W 3000K MR16 60D	7	35	350	50	360	60	>80	3000	65546600
D 7-35W 4000K MR16 24D	7	35	380	54	2050	24	>80	4000	65536700
D 7-35W 4000K MR16 36D	7	35	380	54	1100	36	>80	4000	65542800



## MASTER LEDspot LV MR16 / 7-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 7-40W 2700K MR16 24D	7	40	470	67	2400	24	>80	2700	74135000
D 7-40W 2700K MR16 36D	7	40	455	65	1300	36	>80	2700	74139800
D 7-40W 3000K MR16 24D	7	40	485	69	2500	24	>80	3000	74137400
D 7-40W 3000K MR16 36D	7	40	485	69	2500	36	>80	3000	74141100
D 7-40W 4000K MR16 36D	7	40	520	74	1450	36	>80	4000	79541400



## MASTER LEDspot LV MR16 / 10-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 10-50W 2700K MR16 24D	10	50	620	62	3200	24	>80	2700	71868000
D 10-50W 3000K MR16 24D	10	50	630	63	3250	24	>80	3000	71870300



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps and about transformer compatibility.



# MASTER LEDspot LV Value MR16

## Quality, VALUE and lifetime

You've got it in one with the new range of MASTER LEDspot Value lamps. Designed with a 36D beam angle for general lighting applications in retail and hospitality, they offer high quality at an affordable price. With a choice of three color temperatures, dimmable options, and a reliable lifetime, it's everything you value in LED.

- AirFlux - see page 65
- TransforMax (excluding 20 W) - see page 66
- Dimmable
- Long lifetime
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



### MASTER LEDspot LV Value MR16 / 4-20 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV Value	W	W	lm	lm/W	cd	°		K	8718291
4-20W 2700K MR16 36D	4	20	230	58	500	36	>80	2700	75740500
4-20W 3000K MR16 36D	4	20	235	58	520	36	>80	3000	75742900



### MASTER LEDspot LV Value MR16 / 6.5-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV Value	W	W	lm	lm/W	cd	°		K	8718696   8718291
D 6.5-35W 2700K MR16 24D	6.5	35	420	65	1800	24	>80	2700	44217300
D 6.5-35W 3000K MR16 24D	6.5	35	440	68	1900	24	>80	3000	44219700
D 6.5-35W 4000K MR16 24D	6.5	35	480	74	1900	24	>80	4000	44221000
D 6.5-35W 2700K MR16 36D	6.5	35	390	60	900	36	>80	2700	77533100
D 6.5-35W 3000K MR16 36D	6.5	35	420	60	960	36	>80	3000	78543900
D 6.5-35W 4000K MR16 36D	6.5	35	460	71	990	36	>80	4000	17854300



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps and about transformer compatibility.



## CorePro LEDspot LV MR16

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

- Easy retrofit
- Long lifetime
- Huge energy saving
- Low heat generation



### CorePro LEDspot LV MR16 / 5-35 W



2700



GU5.3



NON-DIMMABLE



15,000 H



EEL



10 PACK

BEAM ANGLE  
36°DIMENSIONS  
47.8 x 50

86%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDspot LV	W	W	lm	lm/W	cd	°		K	87182917
5-35W MR16 2700K 36D	5	35	353	71	800	36	>80	2700	76954500



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about transformer compatibility.



# MASTER LEDspot LV MR11

The MR11 spot truly enhances the presentation of silver jewelry, adding sparkle to the items on display.

- TransforMax - see page 66
- Long lifetime
- Clearly defined beam spread
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



## MASTER LEDspot LV MR11 / 3.5-20 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718696
3.5-20W GU4 2700K 24D	3.5	20	200	57	1000	24	80	2700	41019600



# MASTER LEDspot LV AR111

These spots are dimmable and ideal for accent and general lighting.

- TransforMax - see page 66
- Dimmable
- Long lifetime



## MASTER LEDspot LV AR111 / 10-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
ARI111 2700K 24D 10 W	10	50	610	61	3620	24	>80	2700	71846800
ARI111 2700K 40D 10 W	10	50	580	58	1250	40	>80	2700	71850500
ARI111 3000K 24D 10 W	10	50	645	65	3820	24	>80	3000	71848200
ARI111 3000K 40D 10 W	10	50	610	61	1300	40	>80	3000	71852900



## MASTER LEDspot LV AR111 / 15-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
ARI111 2700K 24D 15 W	15	75	800	53	4750	24	>80	2700	71854300
ARI111 2700K 40D 15 W	15	75	760	51	1660	40	>80	2700	71858100
ARI111 3000K 24D 15 W	15	75	840	56	4950	24	>80	3000	71856700
ARI111 3000K 40D 15 W	15	75	800	53	1700	40	>80	3000	71860400



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps and about transformer compatibility.



# MASTER LEDspot MV PAR

With our LEDspots Mains Voltage you can enjoy bright, energizing light, at the same time as saving energy and money. Perfect for task lighting.

- AirFlux (75 W and 100 W) - see page 65
- Longest lifetime
- For accent and general lighting
- Superior light quality
- Maximum energy savings
- PAR38 OD: outdoor IP65



## MASTER LEDspot MV PAR / 6.5-50 W PAR20

2700 / 3000 / 4000
 E27
 DIMMABLE
 40,000 H
 EEL
 6 PACK
 BEAM ANGLE 25° / 40°
 DIMENSIONS 90.2 x 63.7
 87%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	
D 6.5-50W 2700K PAR20 25D	6.5	50	410	63	1400	25	>80	2700	93398700
D 6.5-50W 2700K PAR20 40D	6.5	50	400	62	750	40	>80	2700	93406900
D 6.5-50W 3000K PAR20 25D	6.5	50	430	66	1450	25	>80	3000	93400700
D 6.5-50W 3000K PAR20 40D	6.5	50	420	65	780	40	>80	3000	93408300
D 6.5-50W 4000K PAR20 25D	6.5	50	440	67	1500	25	>80	4000	93402100
D 6.5-50W 4000K PAR20 40D	6.5	50	430	66	810	40	>80	4000	93410600



## MASTER LEDspot MV PAR / 9.5-75 W PAR30S

2700 / 4000
 E27
 DIMMABLE
 40,000 H
 EEL
 6 PACK
 BEAM ANGLE 25°
 DIMENSIONS 94 x 92
 87%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	
D 9.5-50W 2700K PAR30S 25D	9.5	75	650	68	3500	25	>80	2700	71434700
D 9.5-50W 4000K PAR30S 25D	9.5	75	750	79	3850	25	>80	4000	71436100



## MASTER LEDspot MV PAR / 13-100 W PAR38

2700
 E27
 DIMMABLE
 40,000 H (indoor) / 20,000 H (outdoor)
 EEL
 6 PACK
 BEAM ANGLE 25°
 DIMENSIONS 132 x 124
 87%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	
D 13-100W 2700K PAR38 25D	13	100	1000	62	5000	25	>80	2700	46043600



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.





## CorePro LEDspot MV R50

CorePro LEDspots are a perfect fit for spot lighting and deliver warm halogen-like light.

- Easy retrofit
- Long lifetime
- Huge energy saving
- Low heat generation



### CorePro LEDspot MV R50 / 4.5-40 W



2700



E14



DIMMABLE



15,000 H



EEL



10 PACK

BEAM ANGLE  
36°DIMENSIONS  
85 51

89%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDspot R50	W	W	lm	lm/W	cd	°		K	8718291
4.5-40W E14 2700K 36D	4.5	40	255	57	650	36	80	2700	77017600



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.



# LEDcapsule

## CorePro LEDcapsule



G9 / MV 2.5-25 W  
Page 34



G4 / LV 1.2-10 W  
Page 34



G4 / LV 2-20 W  
Page 34



## CorePro LEDcapsule LV

Our LEDcapsule provides crisp, sparkling halogen like light. It is especially suitable for task lighting and decorative applications.

- Long lifetime
- UV- and IR-free light for less heat and protection
- For heat-sensitive objects
- Unique sparkling effect



### CorePro LEDcapsule LV / 1.2-10 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDcapsule LV	W	W	lm	lm/W	cd	°		K	8718696
G4 3000K 1.2-10 W	1.2	10	105	88	-	n.a.	>80	3000	42228100



### CorePro LEDcapsule LV / 2-20 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDcapsule LV	W	W	lm	lm/W	cd	°		K	8718696
G4 3000K 2-20 W	2	20	200	91	-	n.a.	>80	3000	41916800



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about transformer compatibility.



## CorePro LEDcapsule MV



### CorePro LEDcapsule MV / 2.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro LEDcapsule MV	W	W	lm	lm/W	cd	°		K	8718696
G9 2700K 2.5-25 W	2.5	25	204	82	-	n.a.	>80	2700	41920500



# LEDbulb

## MASTER LEDbulb

## CorePro LEDbulb



E27 / 6-40 W Clear  
Page 38



E27/B22 / 7-40 W  
Page 38



E27 / 4-32 W  
Page 40



E27 / 5.5-40 W  
Page 40



E27/B22 / 8-40 W  
DimTone  
Page 38



E27 / 9-60 W Clear  
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E27/B22 / 6-48 W  
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E27/B22 / 9-65 W  
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E27/B22 / 10-60 W  
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E27/B22 / 13-75 W  
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E27 / 9.5-60 W  
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E27 / 10.5-75 W  
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E27/B22 / 18-100 W  
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E27 / 11.5-75 W  
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E27 / 15-100 W  
Page 41



# MASTER LEDbulb

The MASTER LEDbulb range delivers a dimmable warm light effect for a welcoming, warm atmosphere, making it ideal for general lighting applications. With DimTone the light gets warmer when dimmed which is especially suited for hospitality applications.

- Clear bulb. Style has nothing to hide - see page 63
- DimTone (for 8-40 W only) - see page 65
- High Performance Dimming - see page 66
- Longest lifetime
- Superior light quality
- Maximum energy savings



## MASTER LEDbulb clear / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb clear	W	W	lm	lm/W			K	8718291
D 6-40W E27 2700K	6	40	470	78	A60	>80	2700	76244700



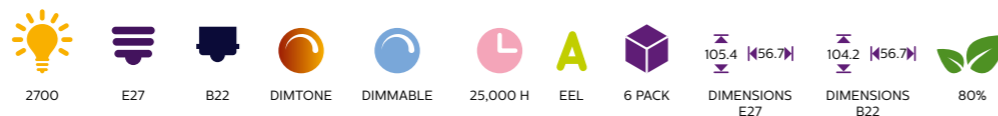
## MASTER LEDbulb / 7-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W			K	8718291
D 7-40W E27 2700K	7	40	470	67	A60	>80	2700	67196100
D 7-40W B22 2700K	7	40	470	67	A60	>80	2700	67198500



## MASTER LEDbulb / 8-40 W DimTone



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W			K	8718291
D 8-40W DimTone E27 2700K	8	40	470	59	A60	>80	2700	19200800
D 8-40W DimTone B22 2700K	8	40	470	59	A60	>80	2700	19198800



## MASTER LEDbulb clear / 9-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb clear	W	W	lm	lm/W			K	8718696
D 9-60W E27 2700K	9	60	806	90	A60	>80	2700	44647800



## MASTER LEDbulb / 10-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W			K	8718291
10-60W E27 2700K	10	60	806	81	A60	>80	2700	76568400
10-60W B22 2700K	10	60	806	81	A60	>80	2700	76570700



## MASTER LEDbulb / 13-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W			K	8718291
D 13-75W E27 2700K	13	75	1055	81	A67	>80	2700	75852500
D 13-75W B22 2700K	13	75	1055	81	A67	>80	2700	75854900



## MASTER LEDbulb / 18-100 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W			K	8718291
18-100W E27 2700K	18	100	1521	85	A67	>80	2700	75856300
18-100W B22 2700K	18	100	1521	85	A67	>80	2700	75858700



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.



# CorePro LEDbulb

CorePro LEDbulbs are designed for retrofit replacements of incandescent bulbs, and are compatible with existing fixtures with E27 or B22 holders.

- Easy retrofit
- Long lifetime
- Huge energy saving
- Low heat generation



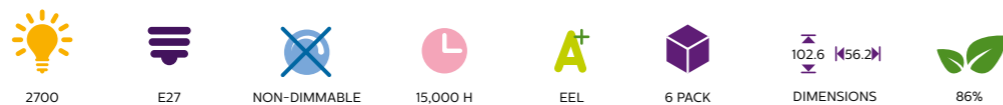
## CorePro LEDbulb / 4-32 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
4-32W E27 3000K	4	32	350	88	A60	>80	3000	41478100



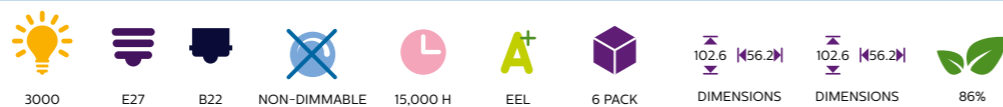
## CorePro LEDbulb / 5.5-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
5.5-40W E27 2700K	5.5	40	470	86	A60	>80	2700	76395600



## CorePro LEDbulb / 6.5-48 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
6.5-48W E27 3000K	6.5	48	600	92	A60	>80	3000	79306900
6.5-48W B22 3000K	6.5	48	600	92	A60	>80	3000	41480400



## CorePro LEDbulb / 9-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718291
9-60W E27 2700K	9	60	806	90	A60	>80	2700	69583700
9-60W E27 3000K	9	60	806	90	A60	>80	2700	75458900
9-60W B22 3000K	9	60	806	90	A60	>80	3000	75460200



## CorePro LEDbulb / 9.5-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718291
9.5-60W E27 2700K	9.5	60	806	85	A60	>80	2700	74741300



## CorePro LEDbulb / 10.5-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
10.5-75W E27 3000K	10.5	75	1055	101	A60	>80	3000	41486600



## CorePro LEDbulb / 11.5-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
11.5-75W E27 2700K	11.5	75	1055	92	A67	>80	2700	41472900



## CorePro LEDbulb / 15-100 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
15-100W E27 2700K	15	100	1521	101	A67	>80	2700	41464400

# LEDcandle

## MASTER LEDcandle DiamondSpark

## CorePro LEDcandle



E14 / 3.5-25 W  
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E14 / 6-40 W  
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E14 / 3-25 W  
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E14 / 6-40 W  
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E14 / 3.5-25 W  
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E14 / 6-40 W  
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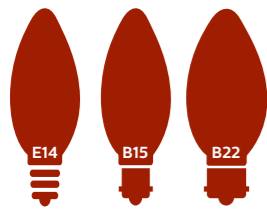


B22 / 3.5-25 W  
Page 44



B15/B22 / 6-40 W  
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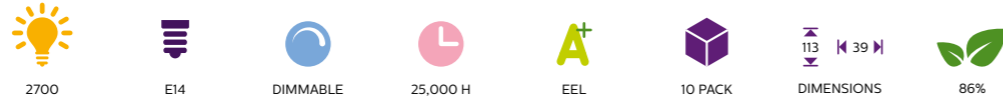
# MASTER LEDcandle DiamondSpark

Thanks to a revolutionary new lens design, these candles now produce the most beautiful sparkling light. The ivory-colored design is a perfect match with existing luminaires.

- DiamondSpark
- Dimmable
- Unique, eye-catching lens design
- Also available in a classic candle design
- Huge energy savings



## MASTER LEDcandle DiamondSpark / 3.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 3.5-25W E14 2700K 230V B39 CL	3.5	25	250	71	B39	>80	2700	74319400



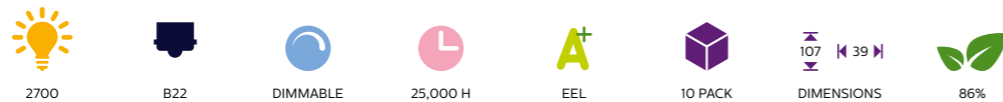
## MASTER LEDcandle DiamondSpark / 3.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 3.5-25W E14 2700K 230V BA39 CL	3.5	25	250	71	BA39	>80	2700	74321700



## MASTER LEDcandle DiamondSpark / 3.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 3.5-25W B22 2700K 230V B39 CL	3.5	25	250	71	B39	>80	2700	74329300



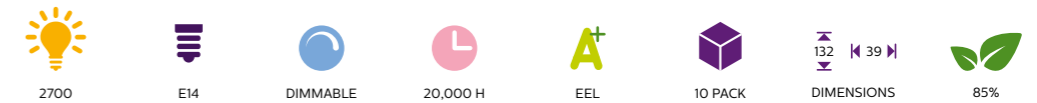
## MASTER LEDcandle DiamondSpark / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V B39	6	40	470	78	B39	80	2700	74182400



## MASTER LEDcandle DiamondSpark / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V BA39	6	40	470	78	BA39	80	2700	74184800



## MASTER LEDcandle DiamondSpark / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W B15 2700K 230V B39	6	40	470	78	B39	80	2700	79346500
D 6-40W B22 2700K 230V B39	6	40	470	78	B39	80	2700	74190900



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.



## CorePro LEDcandle

The frosted CorePro LEDcandle is designed for retrofit replacement of incandescent lamps.

- Non-Dimmable
- Frosted
- Huge energy savings



### CorePro LEDcandle / 3-25 W



2700



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



88%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDcandle	W	W	lm	lm/W			K	8718291
3-25W E14 2700K	3	25	250	83	B39	80	2700	78701300



### CorePro LEDcandle / 6-40 W



2700



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDcandle	W	W	lm	lm/W			K	8718291
6-40W E14 2700K	6	40	470	78	B39	80	2700	76238600





# LEDluster

## MASTER LEDluster DiamondSpark



E14 / 3.5-25 W  
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E14 / 6-40 W  
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E14 / 3-25 W  
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E14 / 6-40 W  
Page 52



E27 / 3.5-25 W  
Page 50



E27 / 6-40 W  
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E27 / 3-25 W  
Page 52

## CorePro LEDluster



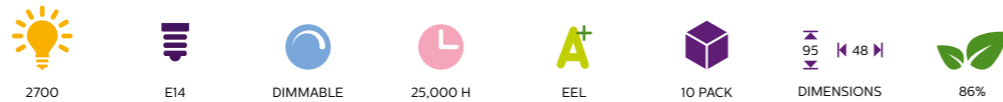
# MASTER LEDluster DiamondSpark

Thanks to a revolutionary new lens design, these candles now produce the most beautiful sparkling light. The ivory-colored design is a perfect match with existing luminaires.

- DiamondSpark
- Dimmable
- Unique, eye-catching lens design
- Huge energy savings



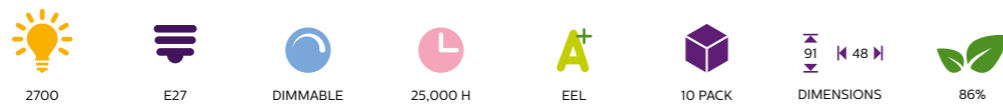
## MASTER LEDluster DiamondSpark / 3.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718291
D 3.5-25W E14 2700K 230V P48 CL	3.5	25	250	71	P48	>80	2700	74325500



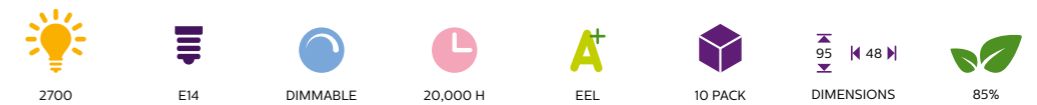
## MASTER LEDluster DiamondSpark / 3.5-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718291
D 3.5-25W E27 2700K 230V P48 CL	3.5	25	250	71	P48	>80	2700	74327900



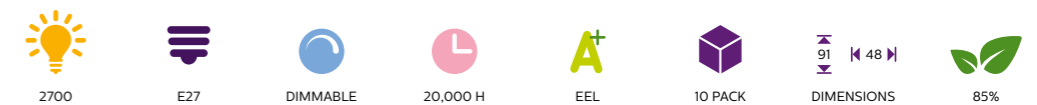
## MASTER LEDluster DiamondSpark / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V P48 CL	6	40	470	78	P48	80	2700	74186200



## MASTER LEDluster DiamondSpark / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718291
D 6-40W E27 2700K 230V P48 CL	6	40	470	78	P48	80	2700	74188600



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about dimming MASTER LEDlamps.



# CorePro LEDluster

The frosted CorePro LEDluster is designed for retrofit replacement of incandescent lamps.

- Non-Dimmable
- Huge energy savings
- Frosted



## CorePro LEDluster / 3-25 W



2700



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



88%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDluster	W	W	lm	lm/W			K	8718291
3-25W E14 2700K	3	25	250	83	P48	80	2700	78703700



## CorePro LEDluster / 3-25 W



2700



E27



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



88%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDluster	W	W	lm	lm/W			K	8718291
3-25W E27 2700K	3	25	250	83	P48	80	2700	78705100



## CorePro LEDluster / 6-40 W



2700



E14



NON-DIMMABLE



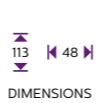
15,000 H



EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDluster	W	W	lm	lm/W			K	8718291
6-40W E14 2700K	6	40	470	78	P48	80	2700	76240900



# LEDtube

HO NORD TLP PROJECT

2X 2 TON

MASTER LEDtube Standard

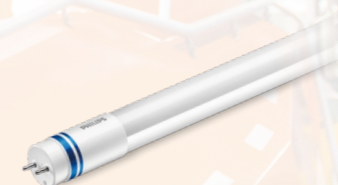
CorePro LEDtube



Standard output  
Page 58-59



CorePro  
Page 60



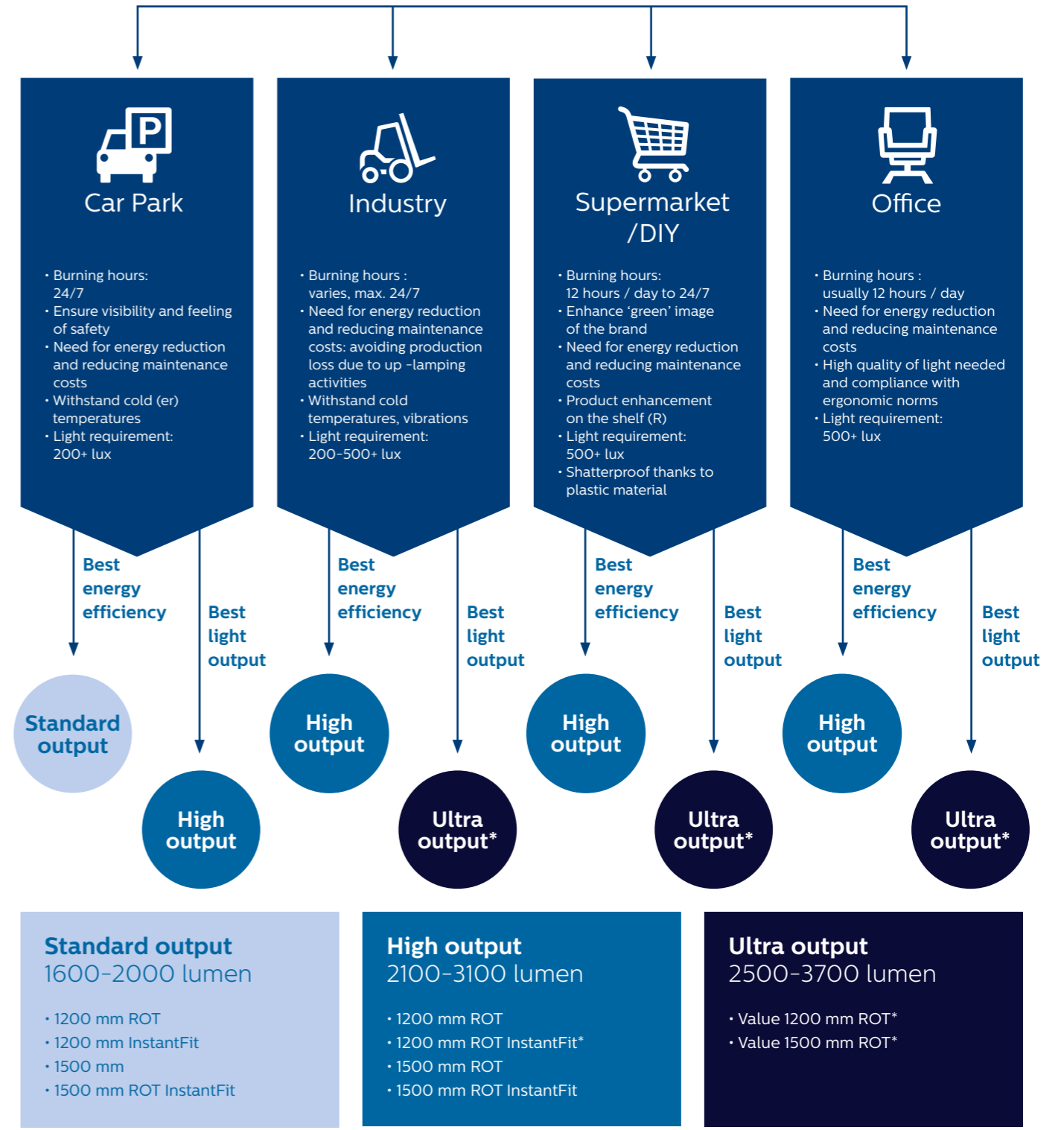
High output  
Page 58-59



Works with  
Electro Magnetic ballast (EM)



Works with  
High Frequency ballast (HF)



\*Available from May 2015 onwards



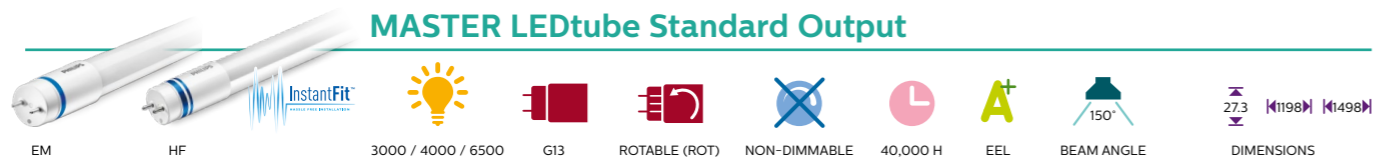
### Rotating end-caps

To ensure maximum compatibility with existing luminaires, directional LEDtubes often need to be adjusted towards where light is needed most. That's why all new Philips MASTER products have this feature as standard. It allows the LEDtube to be easily rotated up to 90 degrees, giving you the freedom to direct the light to best effect.

# G13 MASTER LEDtube

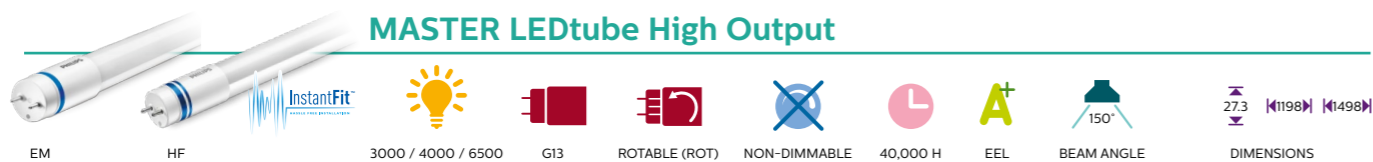
Whatever you need, the Philips MASTER LEDtubes portfolio has it all. We've repositioned the way that our lamps are labelled into three new categories of light output – Standard, High and Ultra output. A simple change that will make it even easier to choose the right lamp, for the right application. From best energy efficiency to the best light output. A simple switch, our LEDtubes come in a choice of lengths and color temperatures, with the option of rotating. So with Philips, you always have the right LEDtube every time.

## MASTER LEDtube Standard Output



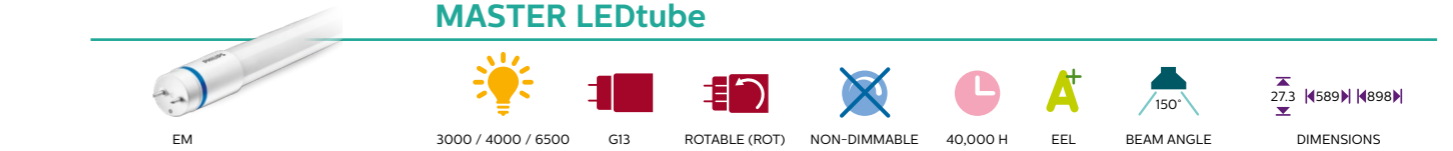
Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
<b>MASTER LEDtube (EM)</b>	<b>W</b>	<b>W</b>		<b>lm</b>		<b>°</b>		<b>K</b>	<b>871829</b>
1200mm ROT	14.5 W	36 W	Yes	1600	EM & Mains	150°	83	4000	2179308300
1200mm ROT	14.5 W	36 W	Yes	1600	EM & Mains	150°	83	6500	2179310600
1500mm	20 W	36 W	No	2000	EM & Mains	150°	83	4000	2173451200
1500mm	20 W	58 W	No	2000	EM & Mains	150°	83	6500	2173453600
<b>MASTER LEDtube (HF)</b>	<b>W</b>	<b>W</b>		<b>lm</b>		<b>°</b>		<b>K</b>	<b>871829</b>
1200mm InstantFit	16,5 W	36 W	No	1600	HF	150°	83	4000	2172885600
1200mm InstantFit	16,5 W	36 W	No	1600	HF	150°	83	6500	2172887000
1500mm ROT InstantFit	22 W	58 W	Yes	2000	HF	150°	83	4000	640078400
1500mm ROT InstantFit	22 W	58 W	Yes	2000	HF	150°	83	6500	640080700

## MASTER LEDtube High Output



Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
<b>MASTER LEDtube (EM)</b>	<b>W</b>	<b>W</b>		<b>lm</b>		<b>°</b>		<b>K</b>	<b>871829</b>
1200mm ROT	20 W	36 W	Yes	1900 lm	EM & Mains	150°	83	3000	642198700
1200mm ROT	20 W	36 W	Yes	2100 lm	EM & Mains	150°	83	4000	642200700
1200mm ROT	20 W	36 W	Yes	2100 lm	EM & Mains	150°	83	6500	642202100
1500mm ROT	23 W	58 W	Yes	2900 lm	EM & Mains	150°	83	3000	2178956700
1500mm ROT	23 W	58 W	Yes	3100 lm	EM & Mains	150°	83	4000	2178958100
1500mm ROT	23 W	58 W	Yes	3100 lm	EM & Mains	150°	83	6500	2178960400
<b>MASTER LEDtube (HF)</b>	<b>W</b>	<b>W</b>		<b>lm</b>		<b>°</b>		<b>K</b>	<b>871829</b>
1500mm ROT InstantFit	25 W	58 W	Yes	3100 lm	HF	150°	83	4000	640886500
1500mm ROT InstantFit	25 W	58 W	Yes	3100 lm	HF	150°	83	6500	640888900

## MASTER LEDtube



Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
<b>MASTER LEDtube (EM)</b>	<b>W</b>	<b>W</b>		<b>lm</b>		<b>°</b>		<b>K</b>	<b>871829</b>
600mm ROT	10 W	18 W	Yes	1000 lm	EM & Mains	150°	83	3000	642204500
600mm ROT	10 W	18 W	Yes	1050 lm	EM & Mains	150°	83	4000	642206900
600mm ROT	10 W	18 W	Yes	1050 lm	EM & Mains	150°	83	6500	642208300
GA110 900mm	15 W	30 W	No	1250 lm	EM & Mains	140°	85	4000	123880500
GA110 900mm	15 W	30 W	No	1250 lm	EM & Mains	140°	85	6500	123882900

## Protection starter



Product type	EOC 10 pcs (I)
Accessory	8718291
Starter EMP	72928000





## CorePro LEDtube

CorePro LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. This product is very suitable for cold rooms, back of house areas and car parks.



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*	
CorePro LEDtube	W	W	lm		°		K	8718291	8718696
CorePro 600mm 840	10	18	800	EM & Mains	140	>80	4000	66971500	
CorePro 600mm 865	10	18	800	EM & Mains	140	>80	6500	66973900	
CorePro 1200mm 840	18	36	1600	EM & Mains	140	>80	4000	66967800	
CorePro 1200mm 865	18	36	1600	EM & Mains	140	>80	6500	66969200	
CorePro 1500mm 840	22	58	2000	EM & Mains	140	>80	4000		42794100
CorePro 1500mm 865	22	58	2000	EM & Mains	140	>80	6500		42796500

\* ) incl. EMP



### Protection starter

34.5  
21.5  
DIMENSIONS

Product type	EOC 10 pcs (I)
Accessory	8718291
Starter EMP	72928000





# The right LEDtube every time

Whatever you need, the Philips MASTER LEDtube portfolio has it all. We've repositioned the way that our lamps are labelled into three new categories of light output – Standard, High and Ultra output. A simple change that will make it even easier to choose the right lamp, for the right application. From best energy efficiency to the best light output. A simple switch, our LEDtubes come in a choice of lengths and color temperatures, with the option of rotating end-caps. So with Philips, you always have the right LEDtube every time.



## The clear classic goes LED

The incandescent bulb may be a thing of the past, but its sparkling warmth and beautiful shape has never gone out of style. Now you can recreate that look and feel with MASTER LEDbulb Clear 6-40W, the first LED bulb to produce a magical, nostalgic ambience. The unique lens design creates a sparkling clear white light with smooth dimming and incredible scene setting. For 25,000 hours of elegant atmosphere that looks like incandescent, but lasts like LED.



# Style has nothing to hide





# Quality, Value and lifetime

You've got it in one with the new range of MASTER LEDspot Value lamps. Designed with a 36° beam angle for general lighting applications, they offer high quality at an affordable price. With a choice of three color temperatures, dimmable options, and a reliable lifetime, it's everything you **Value** in LED.

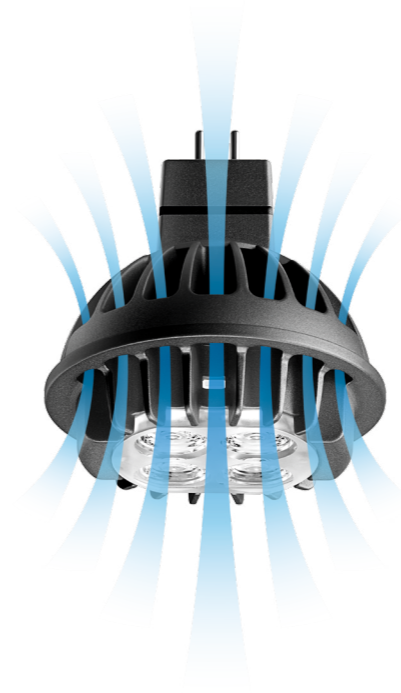
innovation  you

Philips MASTER LEDspot Value

[www.philips.com/masterledlamps](http://www.philips.com/masterledlamps)



## There's **innovation** in the air!



Airflux technology enables constant cooling of the LEDs ensuring the highest light quality and color. AirFlux technology leaves more space for the best optical lenses (since the ventilator is taken out). It ensures no shadowing effects, and a smooth, inclusion-free beam that high-end applications need.

- High Performance Dimming
- DimTone
- Longest lifetime
- Superior light quality
- Maximum energy savings



## Unique '**DimTone**' dimming

The light gets warmer when dimmed (from 2700 K to 2200 K)



DimTone takes LEDlamp dimming to an exciting new level, creating a pleasant, warm 'sunset' effect as the light is dimmed. Regular LEDlamp dimming reduces the intensity of the light output but not the color temperature, which remains constant throughout the dimming process. And this is perfectly sufficient for many applications. But now, with DimTone, the color temperature is also reduced as the lamp is dimmed. This creates a warm, intimate lighting effect at lower intensities, identical to the 'sunset' effect of a dimmed halogen or incandescent lamp. This means that hoteliers, bar and restaurant owners can now take advantage of energy-efficient LED lighting and still create a natural, cozy ambience when the light is dimmed.



# High Performance Dimming

Thanks to High Performance Dimming you will enjoy smooth, flicker-free dimming. MASTER LEDlamps have been tested with all the major dimmer brands in the market.

- broad dimmer compatibility supporting a wide range of normal phase-cut dimmers: wall box dimmers, panels, plug-in unit phase-cut dimming
- high dimming performance: smooth dimming curve, deeper dimming level, one to multiple lamps

**Note:** To ensure high dimming performance with the MASTER LEDspot MV GU10 8 W these lamps should not be connected with other lamp types on the same dimmer ('mixed load').

## TransforMax (patented)

First class halogen transformer compatibility thanks to intelligent electronics within low voltage LEDlamps.

Philips designed a unique (patent protected) intelligent driver concept for low voltage (12 V) LEDlamps, which enables broad compatibility with existing electronic and electromagnetic Halogen transformers. Therefore, Philips low voltage (12 V) LEDlamps universally replace 12 V Halogen spot lamps with unique first class transformer compatible electronics. This technology is called TransforMax which enables the lamp to work on most sockets – a simple 'plug & play' retrofit solution.

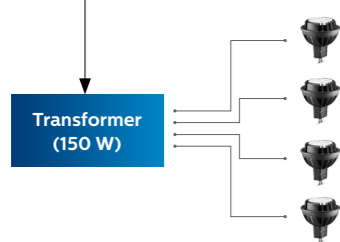
### Without dimmer

20% of Transformer rating  
(20% x 150 W = 30 W)

LED Wattage (7 W)

Branch Max (4.3)

4 lamps per transformer



### With dimmer

In case dimmable low voltage LEDlamps have to be connected to a dimmer, the following approach has to be followed:

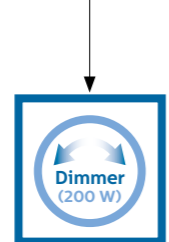
- 1) Determine the max loading of both your transformer(s) and your dimmer: in Watts (W).
- 2) Use the ratios below to determine a 'System Max' and 'Branch Max'
- 3) Limit total lamps you can install by 'System Max'...
- 4) ...and ensure transformer load is sufficient to allow for each individual 'Branch'

Dimmer Rating  
(300 W)

Transformer Wattage (150 W)

System Max (2)

2 transformers per dimmer

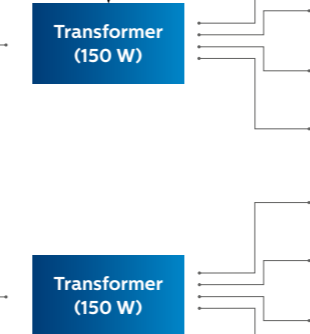


20% of Transformer rating  
(20% x 150 W = 30 W)

LED Wattage (7 W)

Branch Max (4.3)

4 lamps per transformer



Branch Max not reached, but additional MR16 would exceed System Max

**Note:** Electronic Dimmers that cannot meet the loading rule will be specified in the dedicated application note ([www.philips.com/masterledlamps](http://www.philips.com/masterledlamps)).



Please refer to the site [www.philips.com/masterledlamps](http://www.philips.com/masterledlamps) for the latest information about transformer compatibility.

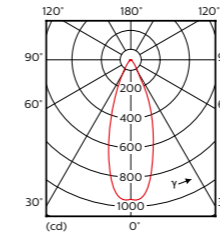
# Photometric diagrams

This is a selection of the photometric diagram visualisations.

Please visit [www.philips.com/led-product-info](http://www.philips.com/led-product-info) for photometric .ies files of all current products.



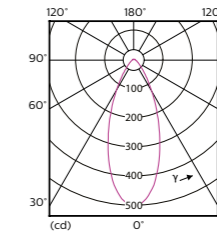
MASTER LEDspot MV  
Page 16



5.3-50W GU10 2700K 36D



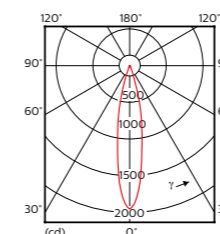
CorePro LEDspot MV  
Page 20



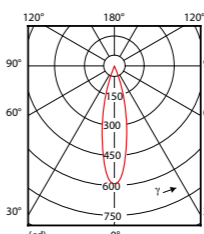
3.5-35W GU10 2700K 36D



MASTER LEDspot LV  
Page 23



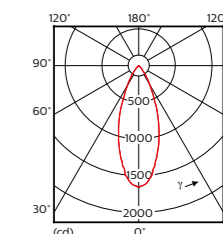
7-35W MR16 3000K 24D



7-40W MR16 3000K 24D



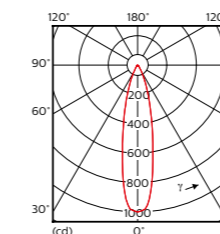
MASTER LEDspot AR111  
Page 29



15-75W AR111 3000K 40D



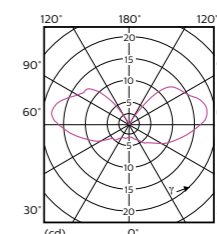
MASTER LEDspot MV PAR  
Page 30



6.5-50W PAR 20 2700K 25D



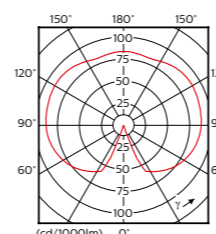
CorePro LEDcapsule  
Page 36



1.2-10W G4 2700K



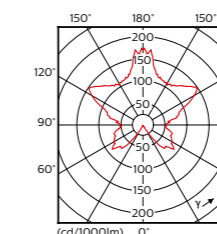
MASTER LEDbulb  
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13-75W E27 2700K



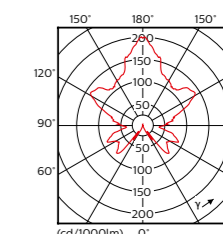
MASTER LEDcandle  
DiamondSpark  
Page 46



6-40W E14 2700K



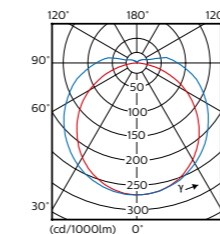
MASTER LEDcluster  
DiamondSpark  
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6-40W E27 2700K



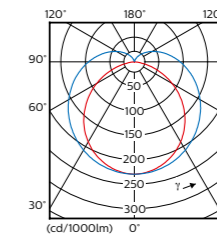
MASTER LEDtube  
Performance  
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31W G13 6500K



CorePro LEDtube  
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10W G13 6500K

