



**PHILIPS**

LEDlamps

The complete  
portfolio



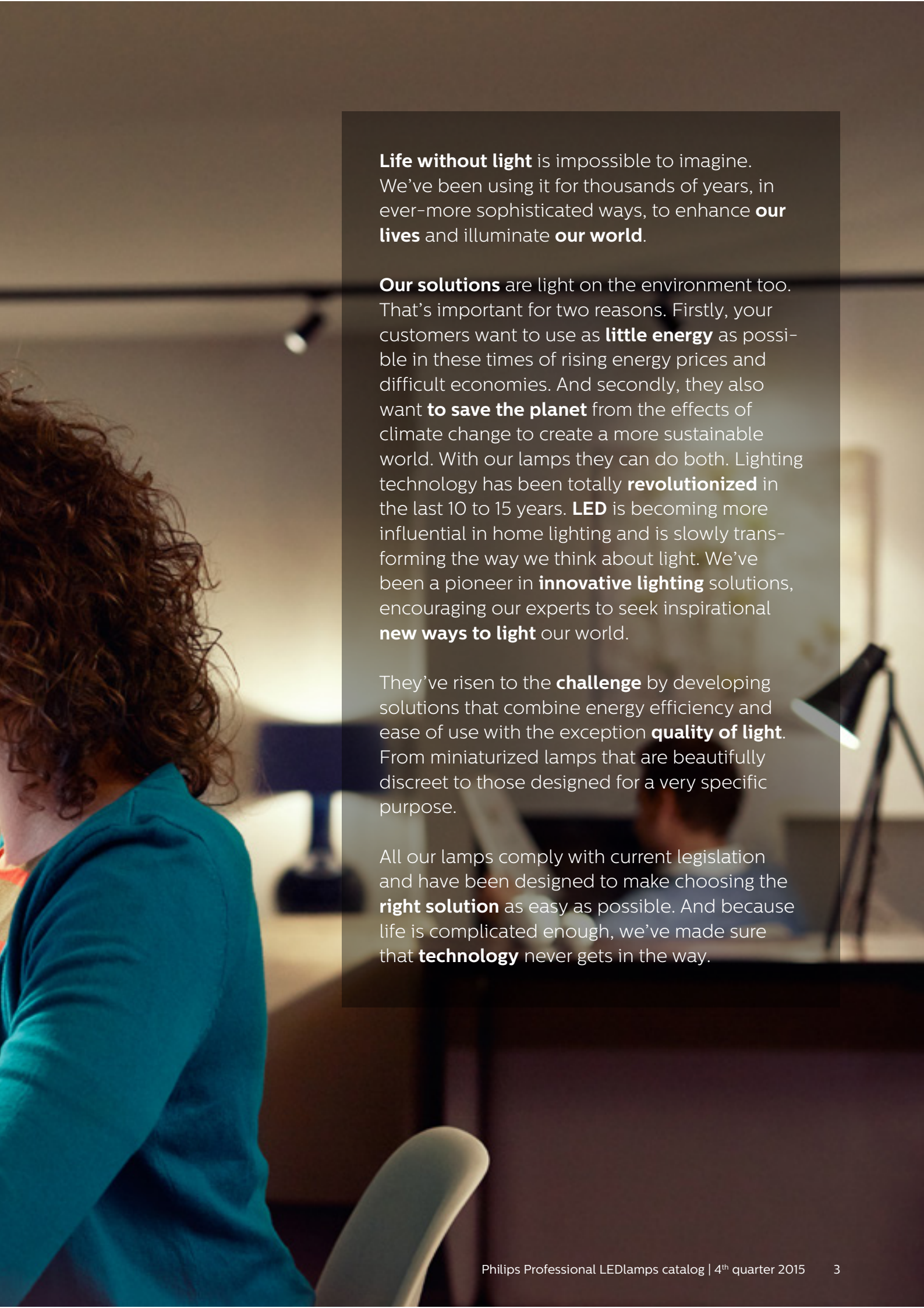
# LED can work for you

Professional LEDlamps catalog  
Quarter 4 / 2015

'15  
November

A woman with curly hair, wearing a teal sweater and a patterned scarf, is seated at a wooden desk, focused on her laptop. The room is dimly lit, with a warm glow from a track lighting fixture mounted on the wall above her. In the background, a glass carafe with water and a lime slice sits on the desk, and a dark sofa is visible through a doorway. The overall atmosphere is professional and modern.

# What's new in professional lighting?

A person with curly hair, wearing a teal shirt, is seen from the side, working at a desk. A desk lamp is visible on the right side of the desk. The background is slightly blurred, showing a modern office or workspace environment.

**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.

# Professional LEDlamps catalog

## Content

<b>LEDlamps portfolio</b>	<b>4</b>
Why choose Philips for LEDlamps	6
EU regulations for LEDlamps	8
Corporate social responsibility	10
Spots segmentation	12
<b>Professional LEDlamps</b>	
LEDspot	14
LEDcapsule & Specials	32
LEDbulb	36
LEDcandle	42
LEDluster	48
LEDtube	54
Philips Classic LED	62
AR111 - Put design in the spotlights	63
DimTone - The more you dim, the warmer the light	63
LEDtube - The right LEDtube every time	64
CRI90 - Spot on for color enhancement	65
Value range - Quality, Value and lifetime	65
High Performance Dimming	66
TransforMax	66
Photometric diagrams	67

### LEDspot

**MASTER LEDspot**

**MASTER LEDspot DimTone**

**CorePro LEDcapsule & Specials**

4-35 W      4.5-50 W

MASTER LEDspot MV  
GU10 - P 17

4-35 W      5.4-50 W

MASTER LEDspot MV  
GU10 - P 16

G9 / 2.5-25 W

CorePro LEDcapsule  
G9 - P 34

6.5-35 W      7-35 W      8-50 W

MASTER LEDspot LV  
MR16 GU5.3 - P 20

6.5-35 W      7-35 W      8-50 W

MASTER LEDspot LV  
MR16 GU5.3 - P 21

LV 1.2-10 W

CorePro LEDcapsule  
G4 - P 34

3.5 W

MASTER LEDspot LV MR11  
GU4 - P 26

11-50 W      15-75 W      20-100 W

MASTER LEDspot LV AR111  
G53 - P 27

LV 2.2-20 W

CorePro LEDcapsule  
G4 - P 34

PAR20 / 5.5-50 W

MASTER LEDspot MV  
PAR E27 - P 28

PAR30S / 9.5-75 W

MASTER LEDspot MV  
PAR E27 - P 29

PAR38 / 13-100 W

MASTER LEDspot MV  
PAR E27 - P 29

RS7 6.5-60 W

CorePro LEDLinear  
R7S - P 35

### MASTER LEDspot Value

3.5-35 W      4.3-50 W

MASTER LEDspot Value MV  
GU10 - P 18

3.4-20 W      6.5-35 W

MASTER LEDspot Value LV  
MR16 GU5.3 - P 22

### CorePro LEDspot

3.5-35 W      4.5-50 W      6.5-65 W      5.5-35 W      8-50 W

CorePro LEDspot MV  
GU10 - P 19

4.5-40 W

CorePro LEDspot  
MV R50 E14 - P 30

## LEDbulb

### MASTER LEDbulb



6-40 W Clear 9-60 W Clear

MASTER LEDbulb E27/B22 - P 38

## LEDcandle

### MASTER LEDcandle DimTone



4-25 W 6-40 W 4-25 W 6-40 W 6-40 W

MASTER LEDcandle DimTone E14/B22 - P 44

## LEDluster

### MASTER LEDluster DimTone



4-25 W 6-40 W 4-25 W 6-40 W

MASTER LEDluster DimTone E14/E27 - P 50

## LEDtube

### MASTER LEDtube



EM HF

MASTER LEDtube - P 58

### Classic LEDbulb



4.3-40 W 7.5-60 W 2.3-25 W 4.3-40 W 7.5-60 W

Classic LEDbulb E27/B22 - P 39

### Classic LEDcandle



2.3-25 W 2.3-25 W 2.3-25 W

Classic LEDcandle E14 - P 45

### Classic LEDluster



Classic LEDluster E14 - P 51



EM HF

MASTER LEDtube - P 58



EM

MASTER LEDtube - P 59

### CorePro LEDbulb



6.5-40 W 9.5-60 W 6-40 W

CorePro LEDbulb E27/B22 - P 40



6-40 W 40W 3000K 4000K 9-60 W

CorePro LEDbulb E27/B22 - P 40-41



9.5-60 W 10.5-75 W 11-75 W

CorePro LEDbulb E27/B22 - P 41



11.5-75 W 13.5-100 W 16-100 W

CorePro LEDbulb E27/B22 - P 41

### CorePro LEDcandle



4-25 W 5.5-40 W

CorePro LEDcandle E14 - P 46



4-25 W 5.5-40 W

CorePro LEDcandle E14 - P 46

### CorePro LEDluster



4-25 W 5.5-40 W

MASTER LEDluster E14 - P 52



4-25 W 5.5-40 W

MASTER LEDluster E14 - P 52



4-25 W 5.5-40 W

MASTER LEDluster E27 - P 53



4-25 W 5.5-40 W

MASTER LEDluster E27 - P 53

### CorePro LEDtube



CorePro LEDtube - P 60

A man and a woman are sitting in a meeting. The man is on the left, wearing a light blue shirt, looking towards the woman. The woman is on the right, wearing a light blue striped blouse, looking towards the camera. They are sitting on purple chairs. The background is a plain, light-colored wall.

# 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).



# 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.



A photograph of a modern hotel lobby. In the foreground, a bright green velvet armchair with a decorative blue and white patterned pillow is visible. In the background, a concierge desk with a wooden facade and a black top is staffed by a man in a dark suit. A sign on the desk reads "CONCIERGE". Above the desk, a large, rectangular, illuminated chandelier hangs from the ceiling. The walls are finished with horizontal wood paneling, and the floor is a light-colored tile with dark and orange accents.

# Broad LEDspots portfolio for every need



		
<p><b>CorePro LEDspot</b> Range MV &amp; LV</p> <p><b>Price fighter</b></p> <ul style="list-style-type: none"> <li>• 15,000 hours lifetime</li> <li>• 2 years warranty</li> <li>• Non-dimmable</li> <li>• 827 &amp; 830 CCT</li> </ul>	<p><b>MASTER LEDspot Value</b> Range MV &amp; LV</p> <p><b>Value for money</b></p> <ul style="list-style-type: none"> <li>• 35,000 hours lifetime</li> <li>• 3 years warranty</li> <li>• Dimmable</li> <li>• 827, 830 &amp; 840 CCT</li> </ul>	<p><b>MASTER LEDspot</b> Range MV &amp; LV</p> <p><b>Ultimate performance</b></p> <ul style="list-style-type: none"> <li>• 50,000 hours lifetime</li> <li>• 5 years warranty</li> <li>• DimTone</li> <li>• CRI90</li> <li>• 827, 830 &amp; 840 CCT</li> </ul>

# LEDspot



## MASTER LEDspot

## MASTER LEDspot Value

## CorePro LEDspot



MV GU10 / 4-35 W  
Page 16



MV GU10 / 4-35 W  
Page 17



MV GU10 / 3.5-35 W  
Page 18



MV GU10 / 3.5-35 W  
Page 19



MV GU10 / 4.5-50 W  
Page 16



MV GU10 / 5.4-50 W  
Page 17



MV GU10 / 4.3-50 W  
Page 18



MV GU10 / 4.5-50 W / 5-50 W / 6.5-65 W  
Page 19



LV MR16 GU5.3 / 6.5-35 W  
Page 20



LV MR16 GU5.3 / 7-35 W  
Page 21



LV MR16 GU5.3 / 8-50 W  
Page 21



LV MR16 GU5.3 / 3.4-20 W  
Page 22



LV GU5.3 / 5.5-35 W / 8-50 W  
Page 24



LV MR11 GU4 / 3.5 W  
Page 26



LV MR16 GU5.3 / 6.3-35 W  
Page 22



LV AR111 G53 / 11-50 W  
Page 27



LV AR111 G53 / 15-75 W  
Page 27



LV AR111 G53 / 20-100 W  
Page 27



MV PAR20 E27 / 5.5-50 W  
Page 28



MV PAR30S E27 / 9.5-75 W  
Page 28



MV R50 E14 / 4.5-40 W  
Page 30



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).

- CRI90 – see page 65
- DimTone: the more you dim the warmer the light – see page 63
- High Performance Dimming – see page 66
- Longest lifetime
- Superior light quality
- Maximum energy savings
- Delivers committed lifetime in application



## MASTER LEDspot MV DimTone / 4-35 W



25D

40D



2700 - 2200



GU10



DIMMABLE



50,000 H



EEL



10 PACK



25°



40°

BEAM ANGLE



55 150

DIMENSIONS



89%

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	8718696
DimTone 4-35W GU10 25D	4	35	280	70	1000	25	80	2700-2200	43828200
DimTone 4-35W GU10 40D	4	35	280	70	600	40	80	2700-2200	43830500



## MASTER LEDspot MV DimTone / 4.5-50 W



25D

40D



2700 - 2200



GU10



DIMMABLE



50,000 H



EEL



10 PACK



25°



40°

BEAM ANGLE



55 150

DIMENSIONS



91%

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	8718696
DimTone 4.5-50W GU10 25D	4.5	50	355	79	1400	25	80	2700-2200	43840400
DimTone 4.5-50W GU10 40D	4.5	50	355	79	800	40	80	2700-2200	43842800





### MASTER LEDspot MV / 4-35 W / CRI 90



2700 / 3000 / 4000    
 GU10    
 DIMMABLE    
 50,000 H    
 A++    
 10 PACK    
 BEAM ANGLE 25° / 40°    
 DIMENSIONS 57 / 150    
 89%

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	8718696
D 4-35W GU10 927 25D	4	35	250	63	925	25	90	2700	45727600
D 4-35W GU10 930 25D	4	35	260	65	962	25	90	3000	45731300
D 4-35W GU10 940 25D	4	35	282	71	1040	25	90	4000	45735100
D 4-35W GU10 927 40D	4	35	262	66	560	40	90	2700	45729000
D 4-35W GU10 930 40D	4	35	272	68	582	40	90	3000	45733700
D 4-35W GU10 940 40D	4	35	285	71	624	40	90	4000	45739900



### MASTER LEDspot MV / 5.4-50 W / CRI 90



2700 / 3000 / 4000    
 GU10    
 DIMMABLE    
 50,000 H    
 A++    
 10 PACK    
 BEAM ANGLE 25° / 40°    
 DIMENSIONS 57 / 150    
 89%

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	8718696
D 5.4-50W GU10 927 25D	4.5	50	360	80	1350	25	90	2700	45715300
D 5.4-50W GU10 930 25D	4.5	50	360	80	1350	25	90	3000	45719100
D 5.4-50W GU10 927 40D	4.5	50	378	84	800	40	90	2700	45717700
D 5.4-50W GU10 930 40D	4.5	50	378	84	800	40	90	3000	45721400
D 5.4-50W GU10 940 40D	4.5	50	392	87	830	40	90	4000	45725200



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 Value

## Quality, VALUE and lifetime

You've got it in one with the new range of MASTER LEDspot Value lamps. Designed with a 25D and 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 65
- High Performance Dimming - see page 66
- Long lifetime
- Superior light quality
- Maximum energy savings



## MASTER LEDspot MV Value / 3.5-35 W

25D

40D

2700 / 3000 / 4000

GU10

DIMMABLE

35,000 H

A++

10 PACK

BEAM ANGLE  
25° 40°

DIMENSIONS  
55 150

90%

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	8718696
D 3.5-35W GU10 827 25D	3.5	35	260	74	1000	25	80	2700	43832900
D 3.5-35W GU10 830 25D	3.5	35	270	77	1000	25	80	3000	43834300
D 3.5-35W GU10 840 25D	3.5	35	290	83	1000	25	80	4000	43836700
D 3.5-35W GU10 827 40D	3.5	35	260	74	600	40	80	2700	45703000
D 3.5-35W GU10 830 40D	3.5	35	270	77	600	40	80	3000	45705400
D 3.5-35W GU10 840 40D	3.5	35	290	83	600	40	80	4000	45707800



## MASTER LEDspot MV Value / 4.3-50 W

25D

40D

2700 / 3000 / 4000

GU10

DIMMABLE

35,000 H

A++

10 PACK

BEAM ANGLE  
25° 40°

DIMENSIONS  
55 150

91%

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	8718696
D 4.3-50W GU10 827 25D	4.3	50	355	83	1400	25	80	2700	43838100
D 4.3-50W GU10 830 25D	4.3	50	365	85	1400	25	80	3000	43844200
D 4.3-50W GU10 840 25D	4.3	50	390	91	1400	25	80	4000	43846600
D 4.3-50W GU10 827 40D	4.3	50	355	83	800	40	80	2700	45709200
D 4.3-50W GU10 830 40D	4.3	50	365	85	800	40	80	3000	45711500
D 4.3-50W GU10 840 40D	4.3	50	390	91	800	40	80	4000	45713900



# 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	EOC
CorePro LEDspot MV	W	W	lm	lm/W	cd	°		K	8718696	8718291
3.5-35W GU10 827 36D RN *)	3.5	35	250	71	650	36	80	2700	48594100	
3.5-35W GU10 827 36D RS *)	3.5	35	250	71	650	36	80	2700		79916000
3.5-35W GU10 830 36D RN *)	3.5	35	250	71	650	36	80	3000	48596500	
3.5-35W GU10 830 36D RS *)	3.5	35	250	71	650	36	80	3000		79918400



## CorePro LEDspot MV / 4.5-50 W - 5-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC	EOC
CorePro LEDspot MV	W	W	lm	lm/W	cd	°		K	8718696	8718291
4.5-50W GU10 827 36D RN *)	4.5	50	350	70	900	36	80	2700	48598900	
4.5-50W GU10 827 36D RS *)	4.5	50	350	70	900	36	80	2700		79920700
4.5-50W GU10 830 36D RN *)	4.5	50	350	70	900	36	80	3000	48600900	
4.5-50W GU10 830 36D RS *)	4.5	50	350	70	900	36	80	3000		79922100
5-50W GU10 840 36D	5	50	370	74	900	36	80	4000	49714200	
5-50W GU10 830 50D	5	50	370	74	400	50	80	3000	49716600	
5-50W GU10 840 50D	5	50	400	80	400	50	80	4000	49718000	



## CorePro LEDspot MV / 6.5-65 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	8718
6.5-65W GU10 830 36D	6.5	65	460	71	1100	36	80	3000	69649823100

**i** 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.

\*) **Note:** Some of the products are only available in specific countries.

Product descriptions with 'RS' are only available in: France, Spain, Portugal, Italy, Greece and Israel.

Product descriptions with 'RN' are only available in the rest of the European countries.



# 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
- TransforMax (excluding 20 W) - see page 66
- DimTone: the more you dim the warmer the light - see page 63
- Dimmable
- Long lifetime
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



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



2700-2200



GU5.3



DIMMABLE



25,000 H



EEL



10 PACK



24°



36°

BEAM ANGLE



DIMENSIONS



81%

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



2700 / 3000 / 4000   
 GU5.3   
 DIMMABLE   
 40,000 H   
 EEL   
 10 PACK   
 BEAM ANGLE   
 DIMENSIONS   
 80%

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
D 7-35W 827 MR16 24D	7	35	390	60	2100	24	80	2700	48878200
D 7-35W 830 MR16 24D	7	35	410	63	2200	24	80	3000	48935200
D 7-35W 840 MR16 24D	7	35	430	66	2300	24	80	4000	48937600
D 7-35W 827 MR16 36D	7	35	385	60	1150	36	80	2700	48939000
D 7-35W 830 MR16 36D	7	35	405	63	1200	36	80	3000	48941300
D 7-35W 840 MR16 36D	7	35	425	66	1250	36	80	4000	48943700
D 7-35W 827 MR16 60D	7	35	360	60	440	60	80	2700	48945100
D 7-35W 830 MR16 60D	7	35	380	63	460	60	80	3000	48947500



### MASTER LEDspot LV MR16 / 8-50 W



2700 / 3000   
 GU5.3   
 DIMMABLE   
 40,000 H   
 EEL   
 10 PACK   
 BEAM ANGLE   
 DIMENSIONS   
 84%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718694	8718695
D 8-50W 827 MR16 24D	8	50	621	78	3100	24	80	2700	48999400	
D 8-50W 830 MR16 24D	8	50	621	78	3250	24	80	3000	49001300	
D 8-50W 827 MR16 36D	8	50	635	79	1650	36	80	2700		51536500
D 8-50W 830 MR16 36D	8	50	660	83	1700	36	80	3000		51538900



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
- 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 / 3.4-20 W



2700 / 3000



GU5.3



NON-DIMMABLE



25,000 H



EEL



10 PACK



BEAM ANGLE



DIMENSIONS



83%

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
3.4-20W 827 MR16 24D	3.4	20	220	65	1000	24	80	2700	47570600
3.4-20W 830 MR16 24D	3.4	20	225	66	1000	24	80	3000	47576800
3.4-20W 827 MR16 36D	3.4	20	220	65	550	36	80	2700	47572000
3.4-20W 830 MR16 36D	3.4	20	225	66	600	36	80	3000	47574400



## MASTER LEDspot LV Value MR16 / 6.3-35 W



2700 / 3000 / 4000



GU5.3



DIMMABLE



25,000 H



EEL



10 PACK



BEAM ANGLE



DIMENSIONS



82%

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 6.3-35W 827 MR16 24D RN *)	6.3	35	380	60	1800	24	80	2700	49021100	
D 6.3-35W 827 MR16 24D RS *)	6.3	35	380	60	1800	24	80	2700	44217300	
D 6.3-35W 830 MR16 24D RN *)	6.3	35	395	63	1800	24	80	3000	49023500	
D 6.3-35W 830 MR16 24D RS *)	6.3	35	395	63	1800	24	80	3000	44219700	
D 6.3-35W 840 MR16 24D RN *)	6.3	35	410	65	1800	24	80	4000	49025900	
D 6.3-35W 840 MR16 24D RS *)	6.3	35	410	65	1800	24	80	4000	44221000	
D 6.3-35W 827 MR16 36D RN *)	6.3	35	380	60	980	36	80	2700	49027300	
D 6.3-35W 827 MR16 36D RS *)	6.3	35	380	60	980	36	80	2700		77533100
D 6.3-35W 830 MR16 36D RN *)	6.3	35	395	63	1000	36	80	3000	49029700	
D 6.3-35W 830 MR16 36D RS *)	6.3	35	395	63	1000	36	80	3000		78543900
D 6.3-35W 840 MR16 36D RN *)	6.3	35	410	65	1000	36	80	4000	49031000	
D 6.3-35W 840 MR16 36D RS *)	6.3	35	410	65	1000	36	80	4000		78545300



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.

\*) Note: Some of the products are only available in specific countries.

Product descriptions with 'RS' are only available in: France, Spain, Portugal, Italy, Greece and Israel.

Product descriptions with 'RN' are only available in the rest of the European countries.





# 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
- Improved lens cap design
- Reliable Philips quality for competitive price



## CorePro LEDspot LV MR16 / 5.5-35 W



2700



GU5.3



NON-DIMMABLE



15,000 H



EEL



10 PACK



BEAM ANGLE



DIMENSIONS



70%

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	8718696
5.5-35W MR16 2700K 36D	5.5	35	390	71	1000	36	80	2700	47568300



## CorePro LEDspot LV MR16 / 8-50 W



3000 / 4000



GU5.3



NON-DIMMABLE



15,000 H



EEL



10 PACK



BEAM ANGLE



DIMENSIONS



70%

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	8718696
ND 8-50W 830 MR16 50D	8	50	720	90	900	50	80	3000	52891400
ND 8-50W 840 MR16 50D	8	50	720	90	1000	50	80	4000	52893800
ND 8-50W 830 MR16 36D	8	50	680	85	1400	36	80	3000	52887700
ND 8-50W 840 MR16 36D	8	50	730	91	1500	36	80	4000	52889100



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



2700



GU4



NON-DIMMABLE



40,000 H



EEL



12 PACK



BEAM ANGLE  
24°



DIMENSIONS  
40 x 35 H



82%

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.  
CRI90 gives you the best color presentation (for retail applications).

- TransformMax – see page 66
- Dimmable
- Long lifetime



## MASTER LEDspot LV AR111 / 11-50 W



2700 / 3000   
 G53   
 DIMMABLE   
 40,000 H   
 EEL   
 6 PACK   
 BEAM ANGLE 24° / 40°   
 DIMENSIONS 60.5 x 111   
 78%

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	871869651
D 11-50W 927 AR111 24D	11	50	560	51	2900	24	90	2700	488700
D 11-50W 930 AR111 24D	10	50	580	53	3000	24	90	3000	490000
D 11-50W 927 AR111 40D	10	50	550	50	1100	40	90	2700	492400
D 11-50W 930 AR111 40D	10	50	570	52	1150	40	90	3000	494800



## MASTER LEDspot LV AR111 / 15-75 W



2700 / 3000   
 G53   
 DIMMABLE   
 40,000 H   
 EEL   
 6 PACK   
 BEAM ANGLE 24° / 40°   
 DIMENSIONS 60.5 x 111   
 80%

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	871869651
D 15-75W 927 AR111 24D	15	75	760	50	3900	24	90	2700	496200
D 15-75W 930 AR111 24D	15	75	770	51	4000	24	90	3000	498600
D 15-75W 927 AR111 40D	15	75	750	50	1400	40	90	2700	500600
D 15-75W 930 AR111 40D	15	75	760	50	1450	40	90	3000	502000



## MASTER LEDspot LV AR111 / 20-100 W

2700   
 G53   
 DIMMABLE   
 40,000 H   
 EEL   
 6 PACK   
 BEAM ANGLE 24°   
 DIMENSIONS 60.5 x 111   
 80%

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	871869651
D 20-100W 827 AR111 24D	20	100	1180	59	5800	24	80	2700	504400



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
- Longest lifetime
- For accent and general lighting
- Superior light quality
- Maximum energy savings
- New and improved design



## MASTER LEDspot MV PAR / 5.5-50 W PAR20



2700 / 3000 / 4000  
 E27  
 DIMMABLE  
 45,000 H  
 EEL A+ A++  
 EEL 4000 K / 25D  
 6 PACK  
 BEAM ANGLE 25° 40°  
 DIMENSIONS 85.2 x 65 H  
 89%

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	8718696
D 5.5-50W 2700K PAR20 25D	5.5	50	480	87	2000	25	80	2700	46063400
D 5.5-50W 3000K PAR20 25D	5.5	50	490	89	2050	25	80	3000	46065800
D 5.5-50W 4000K PAR20 25D	5.5	50	520	94	2150	25	80	4000	46067200
D 5.5-50W 2700K PAR20 40D	5.5	50	480	87	950	40	80	2700	46069600
D 5.5-50W 3000K PAR20 40D	5.5	50	490	89	970	40	80	3000	46071900
D 5.5-50W 4000K PAR20 40D	5.5	50	520	94	1000	40	80	4000	46073300



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



2700 / 4000  
 E27  
 DIMMABLE  
 40,000 H  
 EEL A+  
 6 PACK  
 BEAM ANGLE 25°  
 DIMENSIONS 94 x 92 H  
 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	8718291
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



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 PAR / 13-100 W PAR38



2700



E27



DIMMABLE



40,000 H (indoor)  
20,000 H (outdoor)



EEL



6 PACK



BEAM ANGLE



DIMENSIONS



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	8718696
D 13-100W 2700K PAR38 25D	13	100	1000	62	5000	25	80	2700	46043600



# 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



DIMENSIONS



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 & Specials

## CorePro LEDcapsule & Specials



G9 / MV 2.5-25 W  
Page 34



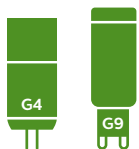
G4 / LV 1.2-10 W  
Page 34



G4 / LV 2-20 W  
Page 34



R7S / 6.5-60 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



3000



G4



NON-DIMMABLE



15,000 H



EEL



12 PACK

BEAM ANGLE  
n.a.DIMENSIONS  
39 14

88%

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



3000



G4



NON-DIMMABLE



15,000 H



EEL



12 PACK

BEAM ANGLE  
n.a.DIMENSIONS  
45 14

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



## CorePro LEDcapsule MV / 2.5-25 W



2700



G9



NON-DIMMABLE



15,000 H



EEL



12 PACK

BEAM ANGLE  
n.a.DIMENSIONS  
53 18

90%

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



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



# CorePro Specials R7S



NEW

## CorePro LEDLinear R7S / 6.5-60 W



3000



R7S



NON-DIMMABLE



20,000 H



EEL



10 PACK



BEAM ANGLE  
300



DIMENSIONS  
118 | 225



89%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
CorePro	W	W	lm	lm/W	cd	°		K	8718696
LEDLinear R7S 117mm 6.5-60W 830	6.5	60	806	124	-	300	80	3000	52253000





# LEDbulb

## MASTER LEDbulb DimTone



E27/B22 / 6-40 W Clear  
Page 38



E27/B22 / 9-60 W Clear  
Page 38



E27/B22 / 6.5-40 W  
Page 40



E27/B22 / 9.5-60 W  
Page 40



E27 / 6-40 W  
Page 40

## Classic LEDbulb



E27/B22 / 6-40 W  
Page 40



40 W / 3000 K / 6500 K  
Page 40



E27/B22 / 9-60 W  
Page 41



E27 / 4.3-40 W  
Page 39



E27 / 7.5-60 W  
Page 39



E27 / 9.5-60 W  
Page 41



E27 / 10.5-75 W  
Page 41



E27/B22 / 11-75 W  
Page 41



E27 / 2.3-25 W  
Page 39



E27 / 4.3-40 W  
Page 39



E27 / 11-75 W  
Page 41



E27/B22 / 13.5-100 W  
Page 41



E27 / 16-100 W  
Page 41



E27 / 7.5-60 W  
Page 39



# 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.

- Philips Classic LED - Designed to be seen - see page 62
- DimTone: the more you dim the warmer the light - see page 63
- High Performance Dimming - see page 66
- Longest lifetime
- Superior light quality
- Maximum energy savings



## MASTER LEDbulb clear / 6-40 W



2700 - 2200



E27



B22



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS  
E27



DIMENSIONS  
B22



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>MASTER LEDbulb clear</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
DT 6-40W E27 A60 CL	6	40	470	77	A60	80	2700 - 2200	48128800
DT 6-40W B22 A60 CL	6	40	470	77	A60	80	2700 - 2200	48130100



## MASTER LEDbulb clear / 9-60 W



2700 - 2200



E27



B22



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS  
E27



DIMENSIONS  
B22



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>MASTER LEDbulb clear</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
DT 9-60W E27 A60 CL	9	60	806	89	A60	80	2700 - 2200	48132500
DT 9-60W B22 A60 CL	9	60	806	89	A60	80	2700 - 2200	48134900



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



### Classic LEDbulb / 4.3-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDbulb	W	W	lm	lm/W			K	8718696
40W E27 WW A60 CL ND 1CT	4.3	40	470	110	A60	80	2700	517535



### Classic LEDbulb / 7.5-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDbulb	W	W	lm	lm/W			K	8718696
60W E27 WW A60 CL ND 1CT	7.5	60	806	107	A60	80	2700	517659

NEW



### Classic LEDbulb / 2.3-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDbulb	W	W	lm	lm/W			K	8718696
ND 2.3-25W E27 WW ST64 CL	2.3	25	250	110	ST64	80	2700	52376600

NEW



### Classic LEDbulb / 4.3-40 W

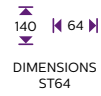


Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDbulb	W	W	lm	lm/W			K	8718696
ND 4.3-40W E27 WW ST64 CL	4.3	40	470	110	ST64	80	2700	52378000

NEW



### Classic LEDbulb / 7.5-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDbulb	W	W	lm	lm/W			K	8718696
ND 7.5-60W E27 WW ST64 CL	7.5	60	806	107	ST64	80	2700	52380300



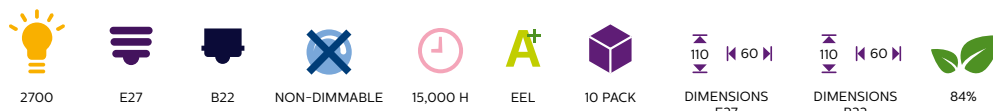
# CorePro LEDbulb

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 / 6.5-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
ND 6.5-40W E27 A60 CL	6.5	40	470	72	A60	80	2700	51587700
ND 6.5-40W B22 A60 CL	6.5	40	470	72	A60	80	2700	51589100



## 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	8718696
ND 9.5-60W E27 A60 CL	9.5	60	806	85	A60	80	2700	51599000
ND 9.5-60W B22 A60 CL	9.5	60	806	85	A60	80	2700	51601000



## CorePro LEDbulb / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
D 6-40W 827 E27	6	40	470	78	A60	80	2700	47881300



## CorePro LEDbulb / 6-40 W

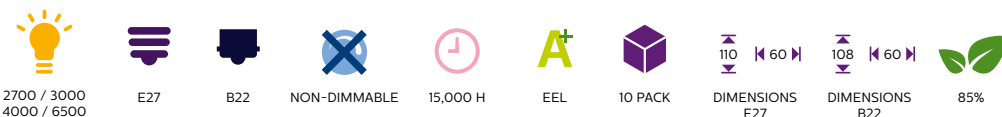


Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
6-40W 827 E27	6	40	470	78	A60	80	2700	49080800
6-40W 827 B22	6	40	470	78	A60	80	2700	51008700
6-40W 830 E27	6	40	470	78	A60	80	3000	49756200
6-40W 840 E27	6	40	470	78	A60	80	4000	51036000
5.5-40W 865 E27	5.5	40	470	85	A60	80	6500	49762300





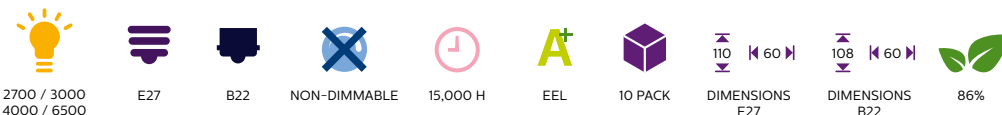
## CorePro LEDbulb / 9-60 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
9-60W 827 E27	9	60	806	90	A60	80	2700	49078500
9-60W 827 B22	9	60	806	90	A60	80	2700	51006300
9.5-60W 830 E27	9.5	60	806	85	A60	80	3000	49754800
9.5-60W 840 E27	9.5	60	806	85	A60	80	4000	51034600
9-60W 865 E27	9	60	806	90	A60	80	6500	49760900



## CorePro LEDbulb / 11-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
10-75W 840 E27	10	75	1055	106	A60	80	4000	51032200
10.5-75W 830 E27	10.5	75	1055	100	A60	80	3000	49752400
10.5-75W 865 E27	10.5	75	1055	100	A60	80	6500	49758600
11-75W 827 E27	11	75	1055	96	A60	80	2700	49076100
11-75W 827 B22	11	75	1055	96	A60	80	2700	51004900



## CorePro LEDbulb / 9.5-60W - 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
D 9.5-60W 827 E27	9.5	60	806	85	A60	80	2700	47879000
D 11.5-75W 827 E27	11.5	75	1055	92	A60	80	2700	47877600



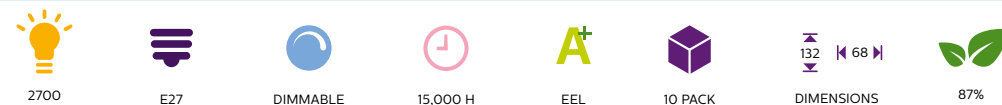
## CorePro LEDbulb / 13.5-100 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
13.5-100W 827 E27	13.5	100	1521	112	A60	80	2700	49074700
13.5-100W 827 B22	13.5	100	1521	112	A60	80	2700	51002500
13.5-100W 840 E27	13.5	100	1521	112	A60	80	4000	51030800



## CorePro LEDbulb / 16-100 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
CorePro LEDbulb	W	W	lm	lm/W			K	8718696
D 16-100W 827 E27	16	100	1521	95	A60	80	2700	47875200

# LEDcandle





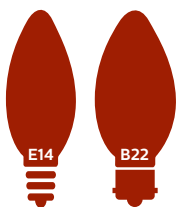
### MASTER LEDcandle DimTone

### CorePro LEDcandle

 	 			
<p>E14 / 4-25 W Page 44</p>	<p>E14 / 4-25 W Page 44</p>	<p>E14 / 4-25 W Page 46</p>	<p>E14 / 3.5-4-25 W Page 46</p>	
 	 	 		
<p>E14 / 6-40 W Page 44</p>	<p>E14 / 6-40 W Page 44</p>	<p>B22 / 6-40 W Page 44</p>	<p>E14 / 5.5-40 W Page 46</p>	<p>E14 / 5.5-40 W Page 46</p>

### Classic LEDcandle

 	 	 
<p>E14 / 2.3-25 W Page 45</p>	<p>E14 / 2.3-25 W Page 45</p>	<p>E14 / 2.3-25 W Page 45</p>



# MASTER LEDcandle

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.

- Philips Classic LED - Designed to be seen - see page 62
- DimTone: the more you dim the warmer the light - see page 63
- Unique, eye-catching lens design
- Huge energy savings



## MASTER LEDcandle DimTone / 4-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>MASTER LEDcandle</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
DT 4-25W E14 827 B38 CL	4	25	250	65	B38	80	2700-2200	45368100
DT 4-25W E14 827 BA38 CL	4	25	250	65	BA38	80	2700-2200	45376600



## MASTER LEDcandle DimTone / 6-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>MASTER LEDcandle</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
DT 6-40W E14 827 B38 CL	6	40	470	78	B38	80	2700-2200	45350600
DT 6-40W E14 827 BA38 CL	6	40	470	78	BA38	80	2700-2200	45354400



## MASTER LEDcandle DimTone / 6-40 W












Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>MASTER LEDcandle</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
DT 6-40W B22 827 B38 CL	6	40	470	78	B38	80	2700	45362900




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











**NEW**  **Classic LEDcandle / 2.3-25 W**


 2700    
  E14    
  NON-DIMMABLE    
  15,000 H    
  EEL    
  10 PACK    
  DIMENSIONS 97 35    
  91%









Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718696
ND 2.3-25W E14 WW B35 CL	2.3	25	250	110	B35	80	2700	51767300

**NEW**  **Classic LEDcandle / 2.3-25 W**

 2700    
  E14    
  NON-DIMMABLE    
  15,000 H    
  EEL    
  10 PACK    
  DIMENSIONS 123 35    
  91%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718696
ND 2.3-25W E14 WW BA35 CL	2.3	25	250	110	BA35	80	2700	51769700

**NEW**  **Classic LEDcandle / 2.3-25 W**

 2700    
  E14    
  NON-DIMMABLE    
  15,000 H    
  EEL    
  10 PACK    
  DIMENSIONS 97 35    
  91%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718696
ND 2.3-25W E14 WW ST35 CL	2.3	25	250	110	ST35	80	2700	52382700



# CorePro LEDcandle

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

- Non-Dimmable
- Clear and frosted
- Huge energy savings



## CorePro LEDcandle clear / 4-25 W



2700



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDcandle	W	W	lm	lm/W			K	8718696	
ND 4-25W E14 827 B35 CL	4	25	250	65	B35	80	2700	50757500	



## CorePro LEDcandle clear / 5.5-40 W



2700 / 4000



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



86%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDcandle	W	W	lm	lm/W			K	8718696	
ND 5.5-40W E14 827 B35 CL	5.5	40	470	85	B35	80	2700	45479400	
<b>NEW</b> ND 5.5-40W E14 840 B35 CL	5.5	40	520	95	B35	80	4000	54340500	



## CorePro LEDcandle frosted / 3.5-4-25 W



2700 / 4000



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDcandle	W	W	lm	lm/W			K	8718291	8718696
ND 4-25W E14 827 B35 FR	4	25	250	65	B35	80	2700	78701300	
<b>NEW</b> ND 3.5-25W E14 840 B35 FR	3.5	25	290	83	B35	80	4000		54348100



## CorePro LEDcandle frosted / 5.5-40 W



2700 / 4000



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



86%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDcandle	W	W	lm	lm/W			K	8718291	8718696
ND 5.5-40W E14 827 B35 FR	5.5	40	470	85	B35	80	2700	76238600	
<b>NEW</b> ND 5.5-40W E14 840 B35 FR	5.5	40	520	95	B35	80	4000		54356600







# LEDluster

## MASTER LEDluster DimTone



E14 / 4-25 W  
Page 50



E14 / 6-40 W  
Page 50



E14 / 4-25 W  
Page 52



E14 / 5.5-40 W  
Page 52



E27 / 4-25 W  
Page 50



E27 / 6-40 W  
Page 50



E27 / 4-25 W  
Page 52



E27 / 5.5-40 W  
Page 52

## Classic LEDluster



E14 / 2.3-25 W  
Page 51



E14 / 4-25 W  
Page 53



E14 / 5.5-40 W  
Page 53



E27 / 4-25 W  
Page 53



E27 / 5.5-40 W  
Page 53



# MASTER LEDluster

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.

- Philips Classic LED - Designed to be seen - see page 62
- DimTone: the more you dim the warmer the light - see page 63
- Unique, eye-catching lens design
- Huge energy savings



## MASTER LEDluster DimTone / 4-25 W



DimTone



2700 - 2200



E14



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718696
DT 4-25W E14 827 P48 CL	4	25	250	63	P48	80	2700-2200	45378000



## MASTER LEDluster DimTone / 4-25 W



DimTone



2700 - 2200



E27



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718696
DT 4-25W E27 827 P48 CL	4	25	250	63	P48	80	2700-2200	45380300



## MASTER LEDluster DimTone / 6-40 W



DimTone



2700 - 2200



E14



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718696
DT 6-40W E14 827 P48 CL	6	40	470	78	P48	80	2700-2200	45358200



## MASTER LEDluster DimTone / 6-40 W



DimTone



2700 - 2200



E27



DIMMABLE



25,000 H



EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
MASTER LEDluster	W	W	lm	lm/W			K	8718696
DT 6-40W E27 827 P48 CL	6	40	470	78	P48	80	2700-2200	45360500



NEW

### Classic LEDluster / 2.3-25 W



2700



E14



NON-DIMMABLE



15,000 H



EEL



10 PACK



DIMENSIONS



91%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
Classic LEDluster	W	W	lm	lm/W			K	8718696
ND 2.3-25W E14 WW P45 CL	2.3	25	250	110	P45	80	2700	51771000



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



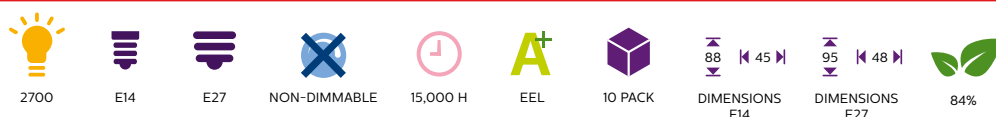
# CorePro LEDluster

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

- Non-Dimmable
- Huge energy savings



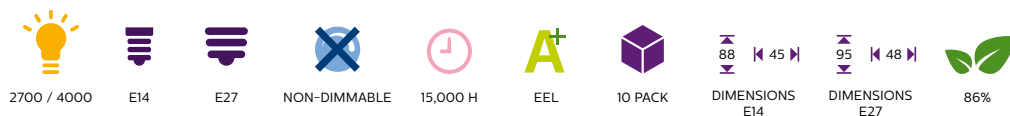
## CorePro LEDluster clear / 4-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>CorePro LEDluster</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
ND 4-25W E14 827 P45 CL	4	25	250	65	P45	80	2700	50759900
ND 4-25W E27 827 P45 CL	4	25	250	65	P45	80	2700	50767400



## CorePro LEDluster clear / 5.5-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC
<b>CorePro LEDluster</b>	<b>W</b>	<b>W</b>	<b>lm</b>	<b>lm/W</b>			<b>K</b>	<b>8718696</b>
ND 5.5-40W E14 827 P45 CL	5.5	40	470	85	P45	80	2700	45483100
<b>NEW</b> ND 5.5-40W E14 840 P45 CL	5.5	40	520	95	P45	80	4000	54344300
ND 5.5-40W E27 827 P45 CL	5.5	40	470	85	P45	80	2700	50763600



### CorePro LEDluster frosted / 3.5-4-25 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDluster	W	W	lm	lm/W			K	8718291	8718696
ND 4-25W E14 827 P45 FR	4	25	250	65	P45	80	2700	78703700	
<b>NEW</b> ND 3.5-25W E14 840 P45 FR	4	25	290	83	P45	80	4000		54352800
ND 4-25W E27 827 P45 FR	4	25	250	65	P45	80	2700	78705100	



### CorePro LEDluster frosted / 5.5-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Color temperature	EOC	
CorePro LEDluster	W	W	lm	lm/W			K	8718696	
ND 5.5-40W E14 827 P45 FR	5.5	40	470	85	P45	80	2700	47489100	
<b>NEW</b> ND 5.5-40W E14 840 P45 FR	5.5	40	520	95	P45	80	4000	54360300	
ND 5.5-40W E27 827 P45 FR	5.5	40	470	85	P45	80	2700	50765000	

# LEDtube

HO NORD TLP PROJECT



**MASTER LEDtube**

**CorePro LEDtube**



EM

HF

Standard output

Standard output  
Page 58



CorePro  
Page 60

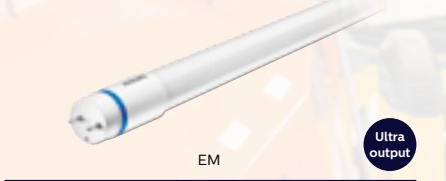


EM

HF

High output

High Output  
Page 58



EM

Ultra output

Ultra Output  
Page 59



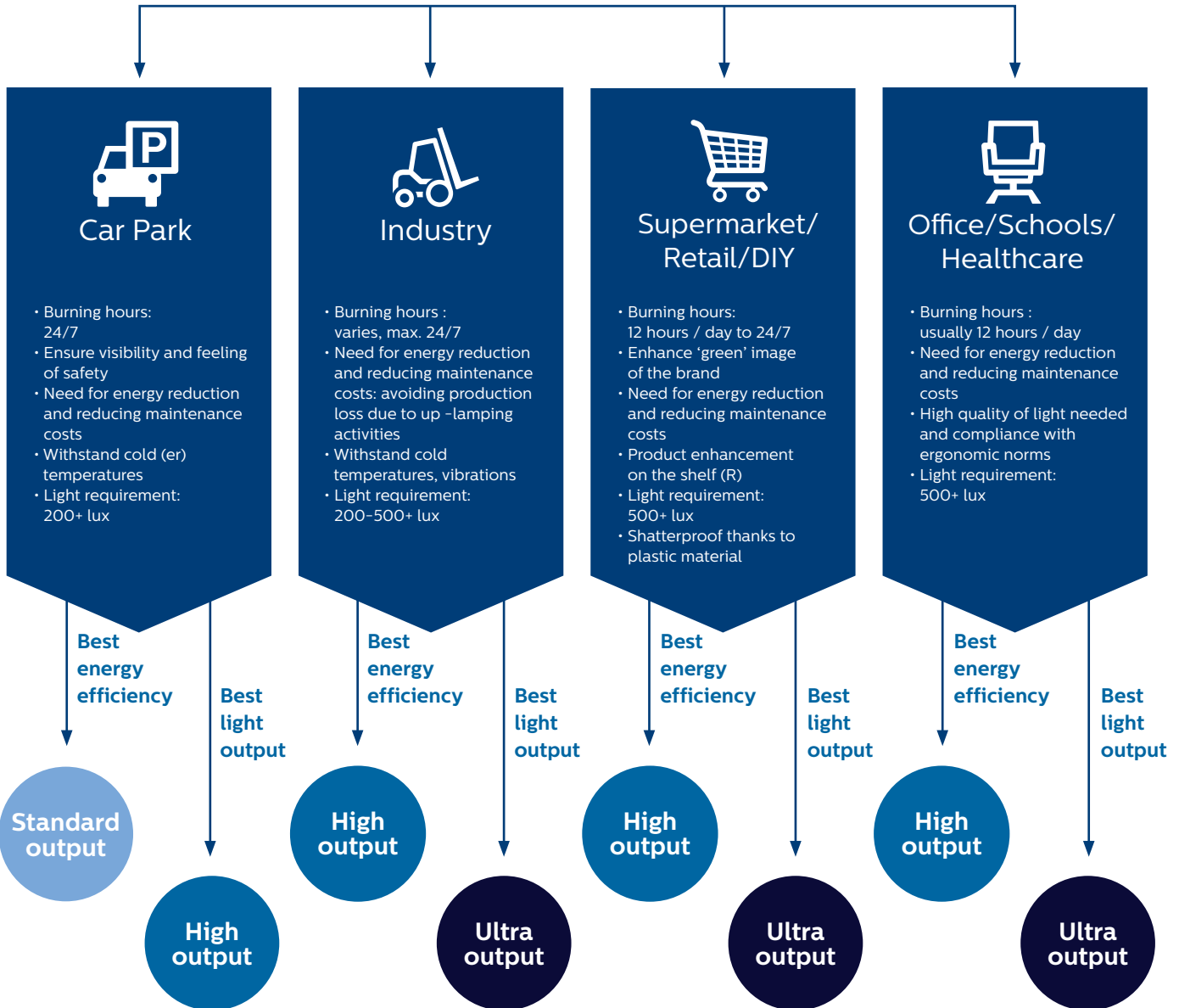




Works with  
Electro Magnetic ballast (EM)



Works with  
High Frequency ballast (HF)



**Standard output**  
1600-2000 lumen


- 1200 mm ROT
- 1200 mm ROT InstantFit
- 1500 mm ROT
- 1500 mm ROT InstantFit

**High output**  
2100-3100 lumen

- 1200 mm ROT
- 1200 mm ROT InstantFit
- 1500 mm ROT
- 1500 mm ROT InstantFit

**Ultra output**  
2500-3700 lumen

- 1200 mm ROT
- 1500 mm ROT

 **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 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.



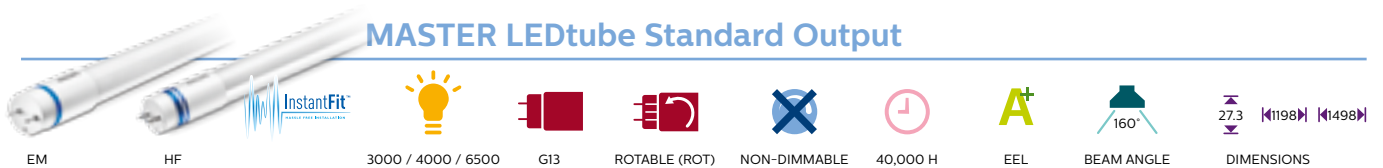
# MASTER LEDtube

**Whatever you need, the Philips MASTER LEDtubes portfolio has it all.** The Philips MASTER LEDtube portfolio exists out of 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.



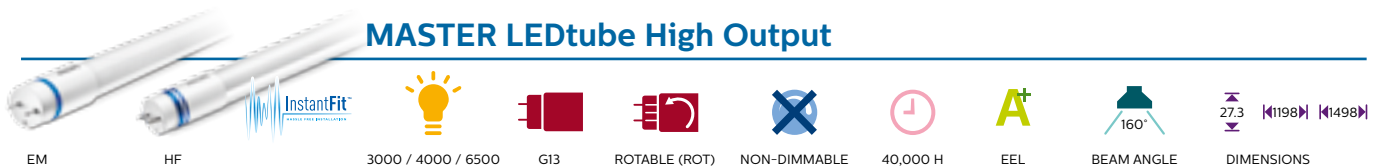
**InstantFit HF compatibility.** No wires to replace, no hassle changing drivers; our InstantFit solution works with High Frequency electronic ballast, making it easy and safe for all installation methods. All you have to do is slot the tube into your existing fitting.

## MASTER LEDtube Standard Output



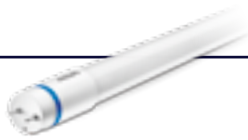
Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*	
<b>EM</b> MASTER LEDtube (EM)	W	W		lm		°		K	8718291	
1200mm ROT	14.5	36	Yes	1600	EM & Mains	160	83	4000	79308300	
1200mm ROT	14.5	36	Yes	1600	EM & Mains	160	83	6500	79310600	
<b>NEW</b> 1500mm ROT	20	36	Yes	2000	EM & Mains	160	83	4000	73451200	
1500mm	20	58	No	2000	EM & Mains	160	83	6500	73453600	
<b>HF</b> MASTER LEDtube (HF)	W	W		lm		°		K	8718291	8718696
<b>NEW</b> 1200mm ROT InstantFit RS	16.5	36	Yes	1600	HF	160	83	4000	72885600	
1200mm InstantFit RS	16.5	36	No	1600	HF	160	83	6500	72887000	
<b>NEW</b> 1200mm ROT InstantFit RN	16.5	36	Yes	1600	HF	160	83	4000		40890200
<b>NEW</b> 1200mm ROT InstantFit RN	16.5	36	Yes	1600	HF	160	83	6500		40892600
1500mm ROT InstantFit	22	58	Yes	2000	HF	160	83	4000	40078400	
1500mm ROT InstantFit	22	58	Yes	2000	HF	160	83	6500	40080700	

## MASTER LEDtube High Output



Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*	
<b>EM</b> MASTER LEDtube (EM)	W	W		lm		°		K	8718696	8718291
1200mm ROT	20	36	Yes	1900	EM & Mains	160	83	3000	42198700	
1200mm ROT	18	36	Yes	2100	EM & Mains	160	83	4000	42200700	
1200mm ROT	18	36	Yes	2100	EM & Mains	160	83	6500	42202100	
1500mm ROT	23	58	Yes	2900	EM & Mains	160	83	3000		78956700
1500mm ROT	23	58	Yes	3100	EM & Mains	160	83	4000		78958100
1500mm ROT	23	58	Yes	3100	EM & Mains	160	83	6500		78960400
<b>HF</b> MASTER LEDtube (HF)	W	W		lm		°		K	8718696	8718292
1200mm HO InstantFit	18	36	Yes	2000	HF	160	83	3000	51456600	
1200mm ROT InstantFit	18	36	Yes	2100	HF	160	83	4000	47125800	
1200mm ROT InstantFit	18	36	Yes	2100	HF	160	83	6500	47127200	
<b>NEW</b> 1500mm ROT InstantFit	25	58	Yes	2900	HF	160	83	3000	51458000	
1500mm ROT InstantFit	25	58	Yes	3100	HF	160	83	4000		40886500
1500mm ROT InstantFit	25	58	Yes	3100	HF	160	83	6500		40888900

## MASTER LEDtube Ultra Output



3000 / 4000 / 6500



G13



ROTABLE (ROT)



NON-DIMMABLE



40,000 H



EEL



BEAM ANGLE



DIMENSIONS

EM

Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
MASTER LEDtube (EM)	W	W		lm		°		K	8718696
1200mm UO	20	36	Yes	2300	EM & Mains	150	83	3000	46149500
1200mm UO	20	36	Yes	2500	EM & Mains	150	83	4000	46151800
1200mm UO	20	36	Yes	2500	EM & Mains	150	83	6500	46155600
1500mm UO	25	58	Yes	3400	EM & Mains	150	83	3000	46157000
1500mm UO	25	58	Yes	3700	EM & Mains	150	83	4000	46159400
1500mm UO	25	58	Yes	3700	EM & Mains	150	83	6500	46163100

## MASTER LEDtube



3000 / 4000 / 6500



G13



ROTABLE (ROT)



NON-DIMMABLE



40,000 H



EEL



BEAM ANGLE



DIMENSIONS

EM

Product type	LED	Traditional	Rotable endcap	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
MASTER LEDtube (EM)	W	W		lm		°		K	8718696   8718291
600mm series ROT	10	18	Yes	1000	EM & Mains	160	83	3000	46143300
600mm series ROT	10	18	Yes	1050	EM & Mains	160	83	4000	46141900
600mm series ROT	10	18	Yes	1050	EM & Mains	160	83	6500	46145700
900mm 15W840 T8C RS *)	15	30	Yes	1575	EM & Mains	160	80	4000	23880500
900mm 15W840 T8C RN *)	15	30	Yes	1575	EM & Mains	160	80	4000	47121000
900mm 15W865 T8C RS *)	15	30	Yes	1575	EM & Mains	160	80	6500	23882900
900mm 15W865 T8C RN *)	15	30	Yes	1575	EM & Mains	160	80	6500	47123400
1800mm ROT	25	58	Yes	3700	EM & Mains	160	83	4000	48037300

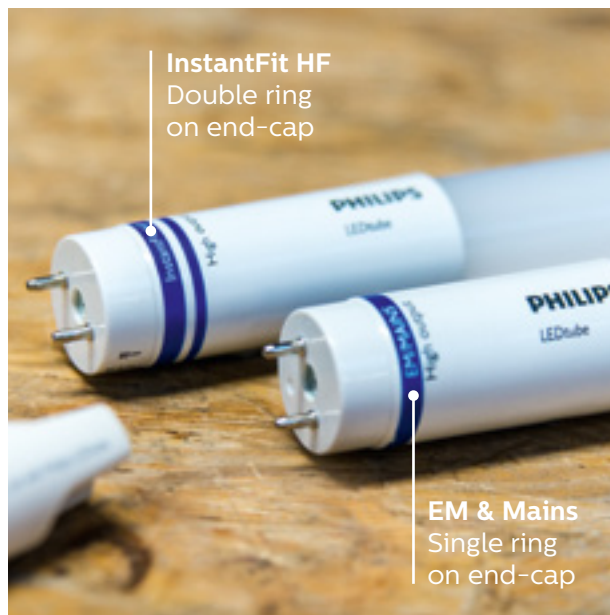
## Protection starter



34.5 | 21.5

DIMENSIONS

Product type	EOC 10 pcs (I)
Accessory	8718
Starter EMP	29172928000



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.

\*) **Note:** Some of the products are only available in specific countries. Product descriptions with 'RS' are only available in: France, Spain, Portugal, Italy, Greece and Israel. Product descriptions with 'RN' are only available in the rest of the European countries.



# CorePro LEDtube

CorePro LEDtubes offer even better value. Thanks to the new glass housing they're even more affordable. Plus we've improved the energy consumption from 80 to 100 lm/W to make them even more efficient. A simple, retrofit replacement, the 600 mm and 1200 mm CorePro LEDtubes offer low energy consumption with instant savings. Perfect for basic applications that demand an affordable solution.



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Color temperature	EOC 1 pcs (C)*
CorePro LEDtube	W	W	lm		°		K	8718696
600mm 9W840 C Glass	8	18	800	EM & Mains	240	80	4000	49277200
600mm 9W865 C Glass	8	18	800	EM & Mains	240	80	6500	49279600
1200mm 16W840 C Glass	16	36	1600	EM & Mains	240	80	6500	49281900
1200mm 16W865 C Glass	16	36	1600	EM & Mains	240	80	4000	49283300
1500mm 840	20	58	2000	EM & Mains	140	80	4000	42794100
1500mm 865	20	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



# Designed to be seen

The perfect mix of classic style  
and today's LED efficiency



## Classic LED range looks like incandescent saves like LED

The Classic LED range recreates incandescent lighting in every way possible. The classic bulb shapes are designed for timeless, decorative appeal. But it's what's inside that makes them so different. We've given our LED energy-saving technology a new twist by arranging the LED to mimic incandescent, so you can create a glowing, warm white light without high energy bills.

### **The timeless appeal of the Classic LED range makes them perfect for a wide range of applications:**

- Create a magical, intimate atmosphere in living rooms
- Add a touch of vintage ambience to restaurants, bars and hotel rooms
- Illuminate hospitals and museums with warm, white light.



Philips MASTER LEDspot LV AR111

# Put design in the spotlights

In shops, showrooms and galleries, but also in restaurants and hotels, people need to see colors as they are. Which makes Philips MASTER LEDspot LV AR111 lighting the perfect choice. With its high Color Rendering Index of 90, enhanced red color makes objective more vivid. Colors stay vibrant and natural.

With an elegant new design, MASTER LEDspot LV AR111 creates a brilliant visual effect for retail and hospitality applications like shops, showrooms and galleries. The high quality light brings out the true

colors in merchandise. With excellent rendering of CRI90, enhancing red, colors stay vibrant and natural on everything in retail and hospitality applications.



## DimTone - The more you dim, the warmer the light



2200 K 2700 K

DimTone takes LEDlamp dimming to an exciting next level with a beautiful, sunset-like effect. As the light is dimmed, DimTone reduces the color temperature from 2700 K down to 2200 K.

This creates a warm, intimate ambience at lower light levels, with the same effect as dimmed halogens or incandescent lamps. So hotel, bar and restaurant owners can take advantage of energy-saving LED lighting and still create a natural, cozy ambience.



# The right LEDtube every time



Standard  
output

High  
output

Ultra  
output

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.



# Spot on for **color enhancement**

---



With a high color rendering index of 90, the MASTER LEDspot MV is the perfect halogen replacement for retail applications. The single optics outshine other lamps with high intensity, high quality light that brings out the true colors in merchandise for an extra-long lifetime of 50,000 hours. Choose 4-35 W or 5.4-50 W in three color temperatures, all with high performance dimming and low energy consumption. So you can light up merchandise with LED.

Philips MASTER LEDspot

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

# Quality, **Value** and lifetime

---



You've got it in one with the new range of MASTER LEDspot Value lamps. They offer high quality at an affordable price with a 25, 36 and 40 degree beam angle for general lighting applications. As a 20 W, 35 W or 50 W equivalent, with a choice of three color temperatures, dimmable options and a 25,000 and 35,000 hour lifetime, these lamps are everything you value in LED.

Philips MASTER LEDspot Value

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

# 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

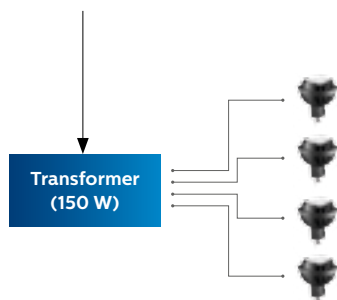
20% of Transformer rating  
(20% x 150 W = 30 W)

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'

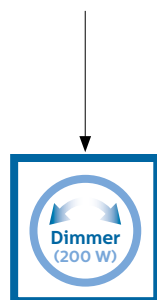
Dimmer Rating  
(300 W)

Transformer Wattage (150 W)

=

System Max (2)

2 transformers per dimmer



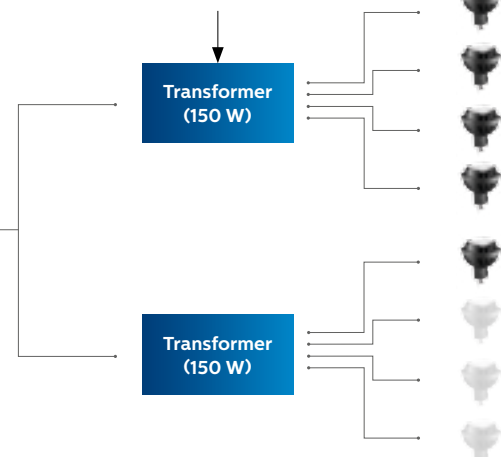
20% of Transformer rating  
(20% x 150 W = 30 W)

LED Wattage (7 W)

=

Branch Max (4.3)

4 lamps per transformer



**Note:** Electronic Dimmers that cannot meet the loading rule will be specified in 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.

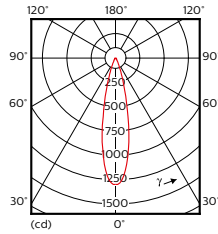
# Photometric diagrams

This is a selection of the photometric diagram visualisations.

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



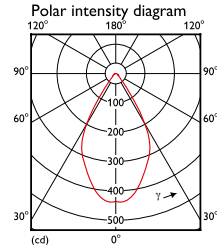
MASTER LEDspot MV  
Page 16



4-35W GU10 2700K 25D



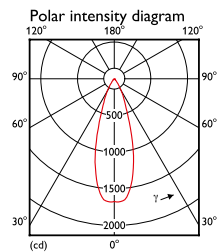
CorePro LEDspot MV  
Page 19



5-50W GU10 2700K 36D



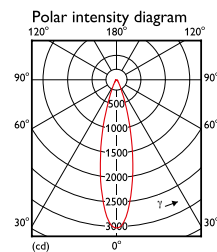
MASTER LEDspot LV  
Page 21



8-50W MR16 2700K 24D



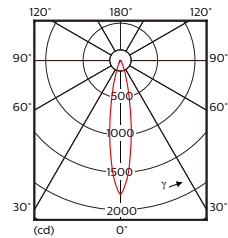
MASTER LEDspot AR111  
Page 27



15-75W AR111 2700K 40D



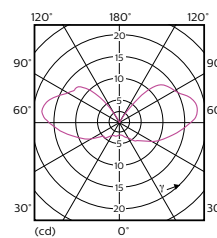
MASTER LEDspot MV PAR  
Page 28



5.5-50W PAR 20 2700K 25D



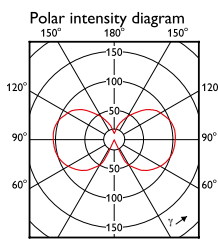
CorePro LEDcapsule  
Page 34



1.2-10W G4 2700K



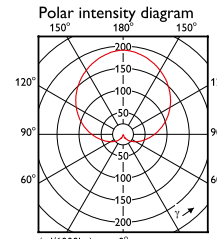
MASTER LEDbulb  
Page 39



13-75W E27 2700K



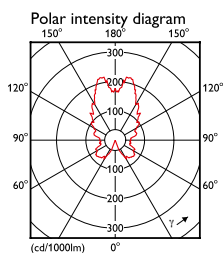
CorePro LEDbulb  
Page 40



6-40W E27 2700K



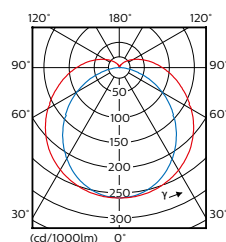
MASTER LEDcandle  
DimTone  
Page 44



6-40W E14 2700K



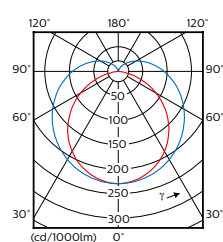
MASTER LEDtube  
Ultra output  
Page 58



18W G13 6500K



CorePro LEDtube  
Page 60



10W G13 6500K

