



# Lamps & Lighting Electronics Catalogue

**PHILIPS**

# See what light can do

Philips prides itself for being at the forefront of technology and innovation. As the world leader in lighting we continue to expand the depth and scope of our range of lighting solutions to help customers realise their creative ambitions in a project or business environment.

With this in mind, the book you are about to read and use has also been designed around our customers to help make the right lighting choice. We invite you to have a look at the following pages to see how we are applying our expertise to inspire you.

Whether you are looking to 'Be Inspired' by light, or 'Be Informed' on technical specification information, we present to you new and exciting innovations applied in many different applications in a simple and accessible way.

We believe light is potential – light is possibility, and we are bringing those possibilities to life.

# **LED Lamps and Systems**

## LED Lamps MASTER LEDbulb Designer



**Energy meets efficiency**  
MASTER LEDbulb Designer combines warm, incandescent-like light with customisable MASTER LEDlamp covers to offer design freedom in a simple retrofit LED bulb like never before. Ideal for open fixtures where the bulb is fully visible, it offers the excellent light performance, dimming and energy savings of MASTER LEDbulbs along with a uniquely customisable design. It is particularly suited to the hospitality and retail industry, where aesthetic design is especially important.

The elegant MASTER LEDlamp covers can be individually selected and installed by the user to match the surrounding décor, also as it changes over the extended lifetime of the lamp. The innovative lamp design ensures excellent light quality, and the broadly compatible dimmable driver helps create the desired ambiance while further improving efficiency

**Product Features**

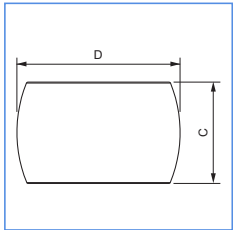
- customisable lamp cover
- dimmable
- lifetime of 25,000 hours
- low energy consumption: 7-40 W

**Product Benefits**

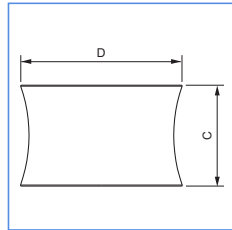
- freedom to design your lamp with a choice of lamp covers
- dimming with validated leading edge dimmers
- 80% energy saving (short payback time)

**Applications**

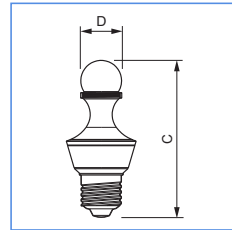
- suitable for general lighting/ambiance creation in e. g. hotels, restaurants, shops and offices



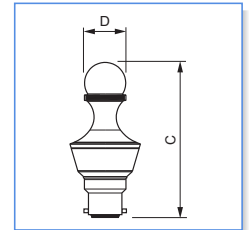
Dim. no.	C nom.	D nom.
1	39.8	64



Dim. no.	C nom.	D nom.
2	39.8	63.6



Dim. no.	C nom.	D nom.
3	101.5	45.3



Dim. no.	C nom.	D nom.
4	101.5	45.3

### MASTER LEDbulb

Wattage	Voltage	Cap-Base	Bulb	Colour Temperature	Rated Lifetime	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number	
(W)	(V)			(K)	(h)					8718291...	
			Cover Convex				1	ICT / 6 6	<b>MLEDCONVEX</b>	<b>17176800</b>	yes
			Cover Concave				2	ICT / 6 6	<b>MLEDCONCAVE</b>	<b>17180500</b>	yes
7	230	ES		2,700	25,000	Yes	3	ICT / 6 6	<b>MLED7WDESE2727</b>	<b>15501000</b>	yes
7	230	BC		2,700	25,000	Yes	4	ICT / 6 6	<b>MLED7WDESB2227</b>	<b>15503400</b>	yes

## MASTER LEDlamps DimTone



**Energy meets efficiency**  
 MASTER LEDlamps DimTone delivers the warm, defined beam and the shift to warmer colour during dimming that is provided by halogen and GLS, while offering the energy savings, minimised maintenance costs and extended lifetime of LED lamps. Enabling maximum warmth and ambiance at lower dimming levels, it is ideal for hospitality applications requiring heightened customer comfort, such as restaurants, bars, washrooms and lobbies. The DimTone feature means light colour shifts from regular warm white

at maximum light output to warmer white at lowest light under full dimming, same as halogen and GLS. Further efficiency and energy savings are offered under such dimmed conditions. These DimTone MVspots fit most existing fixtures with a GU10 socket, and the innovative driver design ensures compatibility with a broad range of dimmer types. The DimTone bulbs are designed to retrofit replacement of dimmable incandescent bulbs.

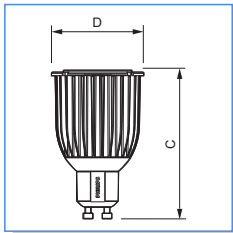
### Product Features

- DimTone dimming
- low energy consumption
- lifetime of 25,000 to 40,000 hours

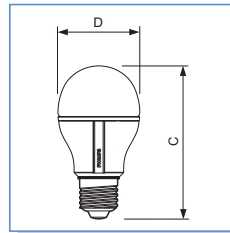
- CRI > 80
  - UV and IR free light
- Product Benefits**
- The light gets warmer when dimmed (creates pleasant, intimate ambiance)
  - 80-90% energy saving (short payback time)
  - dimmable with leading edge dimmers

### Applications

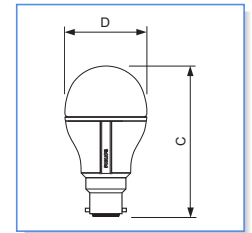
- suitable for indoor applications in open luminaires (with an open/free air gap of min. 10 mm)
- accent and general lighting (e. g. hotels, shops and offices)



Dim. no.	C nom.	D nom.
1	80	50



Dim. no.	C nom.	D nom.
2	105.4	56.7



Dim. no.	C nom.	D nom.
3	104.2	56.7

### 230V

Type	Wattage (W)	Cap-Base	Colour Temperature (K)	Luminous Intensity (cd)	Rated Lifetime (h)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 8718291...		
MASTER LEDspotMV DimTone	8	GU10	25	2,700	1,800	Yes	1	ICT / 6	6	<b>MLED8GU10DIMT25</b>	<b>68243100</b>	yes
MASTER LEDspotMV DimTone	8	GU10	40	2,700	900	Yes	1	ICT / 6	6	<b>MLED8GU10DIMT40</b>	<b>68245500</b>	yes
MASTER LEDbulb DimTone	8	ES	2,700		25,000	Yes	2	ICC / 6	6	<b>MLED8WA60E27DT</b>	<b>19200800</b>	yes
MASTER LEDbulb DimTone	8	BC	2,700		25,000	Yes	3	ICC / 6	6	<b>MLED8WA60B22DT</b>	<b>19198800</b>	yes

## MASTER LEDbulb



### MASTER LEDbulb - Elegance meets efficiency

MASTER LEDbulb range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality industry. Its unique design radiates warm light in all directions, making it a true alternative to the incandescent lamp. It is particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on.

Compatible with existing fixtures with an E27 or a B22 holder and designed for retrofit replacement of incandescent bulbs, MASTER LEDbulb

delivers huge energy savings and minimises maintenance cost without any compromise on light quality.

They can be used together with most leading-edge dimmers, enabling further efficiencies while helping to create the desired atmosphere.

#### Product Features

- Dimmable
- Compatible with an extensive range of dimmers
- Warm white light
- Lifetime of 25,000 to 45,000 hours
- UV- and IR-free light

#### Product Benefits

- Up to 80% energy saving compared with traditional incandescent lamps

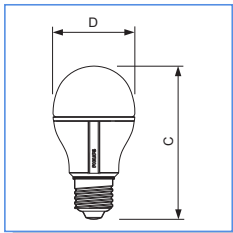
- Easy (retrofit) replacement
- Lower maintenance costs

#### Applications

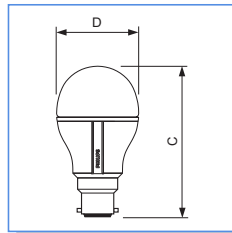
- Hotels, restaurants, bars, cafés
- Lobbies, corridors, stairwells, reception areas

#### Warnings and Safety

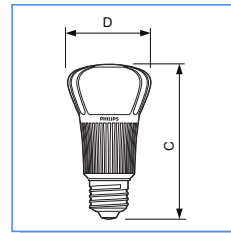
- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights



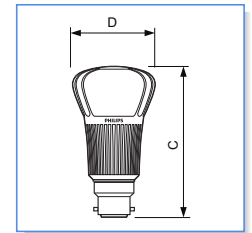
Dim. no.	C nom.	D nom.
1	105.4	56.7



Dim. no.	C nom.	D nom.
2	104.2	56.7



Dim. no.	C nom.	D nom.
3	108.0	58
4	127.2	61



Dim. no.	C nom.	D nom.
5	108.0	58
6	127.2	61

### MASTER LEDbulb 230V

Wattage	Cap-Base	Bulb	Colour Temperature	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number	
(W)			(K)	(h)						
8	ES	A60	2,700	25,000	Yes	1	ICC / 6 6	<b>MLED8WA60E27D</b>	8718291 <b>19350000</b>	yes
8	BC	A60	2,700	25,000	Yes	2	ICC / 6 6	<b>MLED8WA60B22D</b>	8718291 <b>19348700</b>	yes
12	ES	A60	2,700	25,000	Yes	3	ICC / 6 6	<b>MLED12WA60E2727</b>	8727900 <b>93448900</b>	yes
12	BC	A60	2,700	25,000	Yes	5	ICC / 6 6	<b>MLED12WA60B2227</b>	8727900 <b>93450200</b>	yes
13	ES	A67	2,700	25,000	Yes	4	ICC / 6 6	<b>MLED13WA60E27</b>	8718291 <b>66350800</b>	yes
13	BC	A67	2,700	25,000	Yes	6	ICC / 6 6	<b>MLED13WA60B22</b>	8718291 <b>66352200</b>	yes

## MASTER LEDcandle



### MASTER LEDcandles - Eye-catching design for chandeliers and other decorative fixtures

Delivering incandescent-like sparkling light effects, MASTER LEDcandle bulbs are ideal for general and decorative lighting in the hospitality industry, as well as in home environments. The dimmable MASTER LEDcandles drive further efficiencies, while helping to create the desired atmosphere. Mounted in full view in chandeliers, wall scones or modern luminaires, the clear or frosted glass bulbs fit all existing fixtures with an E14 and E15

socket. Drawing upon inputs from chandelier makers and designed to enhance the aesthetic appeal of the chandelier or luminaire, not only when lit but also when not, these lamps come in a classical slender shape with a unique, eye-catching lens design. They produce a beautiful sparkling warm light that delivers huge energy savings and minimizes maintenance cost.

The flame-shaped candle lamps come in a classical slender shape with a unique, eye-catching lens design that perfectly complements modern LED candles

### Product Features

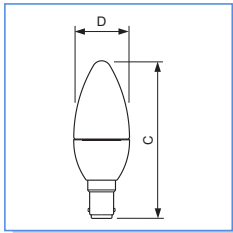
- Retrofittable with existing E14 and E15 holders
- Lifetime of 20,000 hours
- Available in clear and frosted versions
- Free of mercury and hazardous materials

### Product Benefits

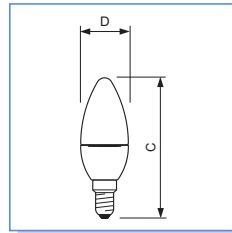
- Sparkling warm white light
- Up to 80% energy saving
- Lower maintenance costs

### Application

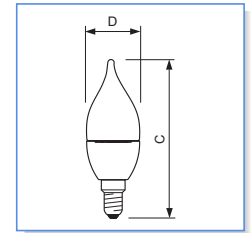
- Hotels, restaurants, bars, cafés
- Chandelier, wall sconce or modern luminaire



Dim. no.	C nom.	D nom.
1	100.5	35.5



Dim. no.	C nom.	D nom.
2	102.5	35.5



Dim. no.	C nom.	D nom.
3	106.5	35.5

### MASTER LEDcandle 230V

Wattage (W)	Cap-Base	Bulb	Colour Temperature (K)	Rated Lifetime (h)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 8718291...	
4	SBC	B35	2,700	20,000	Yes	1	ICT / 10 10	MLED4WB35B15CL	19250300	yes
4	SES	B35	2,700	20,000	Yes	2	ICT / 10 10	MLED4WB35E14CL	19370800	yes
4	SES	B35	2,700	20,000	Yes	2	ICT / 10 10	MLED4WB35E14FR	19252700	yes
4	SES	BA35	2,700	20,000	Yes	3	ICT / 10 10	MLED4WBA35E14CL	21063400	yes

## MASTER LEDluster



### MASTER LEDlusters - Eye-catching design for chandeliers and other decorative fixtures

Delivering incandescent-like sparkling light effects, MASTER LEDluster bulbs are ideal for general and decorative lighting in the hospitality industry, as well as in home environments. The dimmable MASTER LEDlusters drive further efficiencies, while helping to create the desired atmosphere. Mounted in full view in chandeliers, wall scones or modern luminaires, the clear or frosted glass bulbs fit all existing fixtures with an E14, E27 and B22 socket. Drawing upon inputs from chandelier makers and designed to enhance the aesthetic appeal of the chandelier or luminaire, not only when lit but also when not, these lamps come in a classical slender shape with a unique, eye-catching lens design. They produce a beautiful sparkling warm light that delivers huge energy savings and minimizes maintenance cost.

existing fixtures with an E14, E27 and B22 socket. Drawing upon inputs from chandelier makers and designed to enhance the aesthetic appeal of the chandelier or luminaire, not only when lit but also when not, these lamps come in a classical slender shape with a unique, eye-catching lens design. They produce a beautiful sparkling warm light that delivers huge energy savings and minimizes maintenance cost.

### Product Features

- Retrofittable with existing E14, E27 and B22 holders

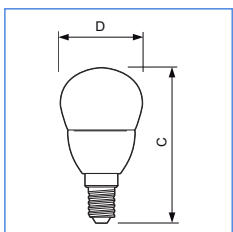
- Lifetime of 20,000 hours
- Available in clear and frosted versions
- Free of mercury and hazardous materials

### Product Benefits

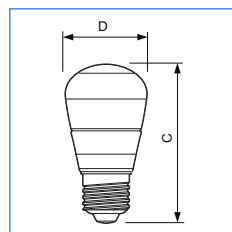
- Sparkling warm white light
- Up to 80% energy saving
- Lower maintenance costs

### Application

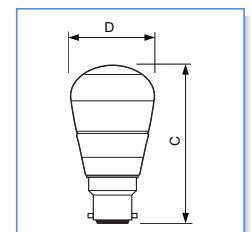
- Hotels, restaurants, bars, cafés
- Chandelier, wall sconce or modern luminaire



Dim. no.	C nom.	D nom.
1	86	43.5



Dim. no.	C nom.	D nom.
2	91.5	46.5



Dim. no.	C nom.	D nom.
3	90	46.5

### MASTER LEDluster 230V

Wattage (W)	Cap-Base	Bulb	Colour Temperature (K)	Rated Lifetime (h)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 8718291...	
4	SES	P45	2,700	20,000	Yes	1	ICT / 10 10	MLED4WP45E14CL	19372200	yes
4	SES	P45	2,700	20,000	Yes	1	ICT / 10 10	MLED4WP45E14FR	19254100	yes
4	ES	P45	2,700	20,000	Yes	2	ICT / 10 10	MLED4WP45E27CL	19256500	yes
4	ES	P45	2,700	20,000	Yes	2	ICT / 10 10	MLED4WP45E27FR	19258900	yes
4	BC	P45	2,700	20,000	Yes	3	ICT / 10 10	MLED4WP45B22CL	21065800	yes

## MASTER LEDspot LV



### MASTER LEDspot LV - The ideal solution for spot lighting

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.).

Innovative active cooling technology

- thanks to the fan inside - results in maximum performance of the lamp. The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.

#### Product Features

- Dimmable (the 7-35 W and 10-50 W versions)
  - Patented intelligent driver
  - Air movement mechanism (active fan cooling) with very low sound levels
  - Warm white light
  - Lifetime of 25,000 to 45,000 hours
- #### Product Benefits
- Up to 80% energy saving compared with halogen lamp

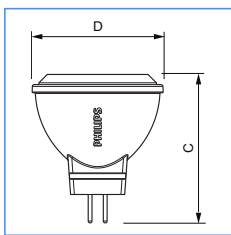
- Broad compatibility with transformers
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

#### Applications

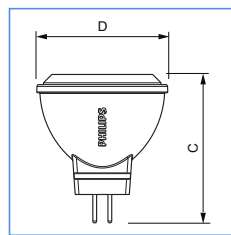
- Ideal for accent lighting in hotels, hospitals, shops and museums (e. g. floors, elevators, displays)

#### Warnings and Safety

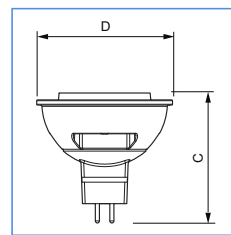
- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights



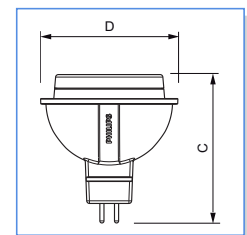
Dim. no.	C nom.	D nom.
1	40	35



Dim. no.	C nom.	D nom.
2	40	35



Dim. no.	C nom.	D nom.
3	47.8	50



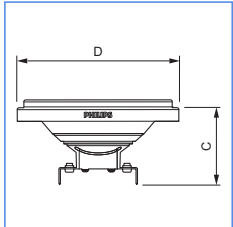
Dim. no.	C nom.	D nom.
4	54	50

### MASTER LEDspotLV 12V

Wattage (W)	Cap-Base	Bulb	Beam angle (°)	Colour Temperature (K)	Luminous Intensity (cd)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/Packing configuration	National Order Code	Ordering number 8718291...	RoHS
4	GU4	MR11	24	2,700	580	25,000	No	1	ICT / 12 12	MLED4WMR1127	11923400	yes
4	GU4	MR11	24	3,000	650	25,000	No	2	ICT / 12 12	MLED420G4MR1124	19224400	yes
4	GU4	MR11	24	4,000	700	25,000	No	1	ICT / 12 12	MLED4WMR1140	11925800	yes
4	GU5.3	MR16	24	2,700	1,000	45,000	No	3	ICT / 10 10	MLED4GU532724NE	19378400	yes
4		MR16	36	2,700	600	45,000	No	3	ICT / 10 10	MLED4GU532736NE	19222000	yes
4	GU5.3	MR16	24	3,000	1,100	45,000	No	3	ICT / 10 10	MLED4GU533024NE	19380700	yes
4		MR16	36	3,000	660	45,000	No	3	ICT / 10 10	MLED4GU533036NE	19226800	yes
4	GU5.3	MR16	24	4,000	700	45,000	No	3	ICT / 10 10	MLED4GU534024NE	19228200	yes
4		MR16	36	4,000	1,150	45,000	No	3	ICT / 10 10	MLED4GU534036NE	19230500	yes
7	GU5.3	MR16	24	2,700	2,140	40,000	Yes	4	ICT / 10 10	MLED7WGU532724U	21039900	yes
7	GU5.3	MR16	36	2,700	1,180	40,000	Yes	4	ICT / 10 10	MLED7WGU532736U	21045000	yes
7	GU5.3	MR16	24	3,000	2,200	40,000	Yes	4	ICT / 10 10	MLED7WGU533024U	21041200	yes
7	GU5.3	MR16	36	3,000	1,210	40,000	Yes	4	ICT / 10 10	MLED7WGU533036U	21047400	yes
7	GU5.3	MR16	24	4,000	2,340	40,000	Yes	4	ICT / 10 10	MLED7WGU534024	21043600	yes
7	GU5.3	MR16	36	4,000	1,230	40,000	Yes	4	ICT / 10 10	MLED7WGU534036	21049800	yes
10	GU5.3	MR16	24	2,700	2,720	30,000	Yes	4	ICT / 10 10	MLED10GU532724U	21051100	yes
10	GU5.3	MR16	36	2,700	1,500	30,000	Yes	4	ICT / 10 10	MLED10GU532736U	21057300	yes
10	GU5.3	MR16	24	3,000	2,840	30,000	Yes	4	ICT / 10 10	MLED10GU533024U	21053500	yes
10	GU5.3	MR16	36	3,000	1,560	30,000	Yes	4	ICT / 10 10	MLED10GU533036U	21059700	yes
10	GU5.3	MR16	24	4,000	3,010	30,000	Yes	4	ICT / 10 10	MLED10GU534024	21055900	yes
10	GU5.3	MR16	36	4,000	1,580	30,000	Yes	4	ICT / 10 10	MLED10GU534036	21061000	yes



## MASTER LEDspot LV ARIII



Dim. no.	C nom.	D nom.
1	60.5	111

### MASTER LEDspot LV ARIII - Ideal solution for spot lighting in shops

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV ARIII is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV ARIII offers various beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings,

etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. MASTER LEDspot LV ARIII delivers huge energy savings and minimises maintenance cost without any reduction in brightness.

#### Product Features

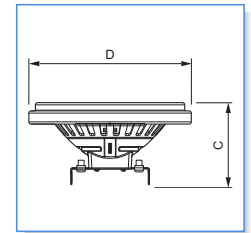
- Patented intelligent driver
- Lifetime of 45,000 hours
- Low energy consumption
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

#### Product Benefits

- Up to 80% energy saving compared with halogen lamps
- Broad compatibility with transformers
- Retrofittable

#### Application

- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, washrooms, reception areas



Dim. no.	C nom.	D nom.
2	56	111



## MASTER LEDspotLV ARIII I2V G53

Wattage (W)	Bulb	Beam angle (°)	Colour Temperature (K)	Luminous Intensity (cd)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/Packing configuration	Units per pack	National Order Code	Ordering number 8718291...	RoHS
15.0	Reflector	24	3,000	4,240	45,000	No	1	ICT / 6	6	<b>MLED15ARI113024</b>	<b>15527000</b>	yes
15.0	Reflector	40	3,000	1,520	45,000	No	1	ICT / 6	6	<b>MLED15ARI113040</b>	<b>15529400</b>	yes
15.8	ARIII	24	2,700	4,560	45,000	No	1	ICT / 6	6	<b>MLED15ARI112724</b>	<b>15523200</b>	yes
15.8	ARIII	40	2,700	1,520	45,000	No	1	ICT / 6	6	<b>MLED15ARI112740</b>	<b>15525600</b>	yes
10.0	ARIII	24	2,700	3,360	45,000	Yes	2	ICC / 6	6	<b>MLED10R1112724D</b>	<b>19204600</b>	yes
10.0	ARIII	40	2,700	1,220	45,000	Yes	2	ICC / 6	6	<b>MLED10R1112740D</b>	<b>19206000</b>	yes
10.0	ARIII	24	3,000	3,470	45,000	Yes	2	ICC / 6	6	<b>MLED10R1113024D</b>	<b>19208400</b>	yes
10.0	ARIII	40	3,000	1,270	45,000	Yes	2	ICC / 6	6	<b>MLED10R1113040D</b>	<b>19210700</b>	yes
15.0	ARIII	24	2,700	4,560	45,000	Yes	2	ICC / 6	6	<b>MLED15R1112724D</b>	<b>19212100</b>	yes
15.0	ARIII	40	2,700	1,660	45,000	Yes	2	ICC / 6	6	<b>MLED15R1112740D</b>	<b>19214500</b>	yes
15.0	ARIII	24	3,000	4,700	45,000	Yes	2	ICC / 6	6	<b>MLED15R1113024D</b>	<b>19216900</b>	yes
15.0	ARIII	40	3,000	1,700	45,000	Yes	2	ICC / 6	6	<b>MLED15R1113040D</b>	<b>19218300</b>	yes

## MASTER LEDspot MV



### The perfect replacement for mains voltage halogen spots

Delivering a warm, halogen-like accent beam, MASTER LEDspot MV is a perfect fit for spot lighting (track, corridors, lift lobbies, display cases and cabinets) in the hospitality industry. It is particularly suitable to public areas where the light is on 24/7, such as lobbies, corridors, stairwells. MASTER LEDspot MV delivers huge energy savings and minimises maintenance cost without any compromise on brightness, enabling hospitality owners to achieve a return on their investment within one year. These LEDspots are compatible with most existing fixtures with a GU10 holder and designed as

a retrofit replacement for halogen or incandescent spots. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere. For environments where the right atmosphere needs to be created (e. g. bars and restaurants), the "DimTone" feature could be useful. This is a LED feature that creates a warmer tone once light is dimmed down to lower intensities.

### Product Features

- Compatible with an extensive range of dimmers
- Lifetime of 25,000 to 45,000 hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

### Product Benefits

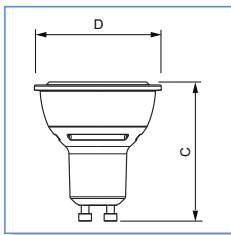
- Up to 80% energy saving compared with halogen lamps
- Retrofittable
- Lower maintenance costs

### Applications

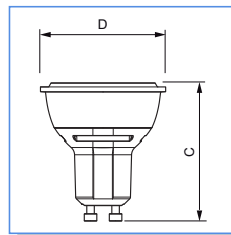
- Hotels, restaurants, bars, cafés
- Lobbies, corridors, stairwells, washrooms, reception areas

### Warnings and Safety

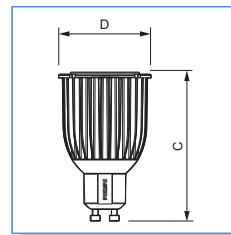
- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights



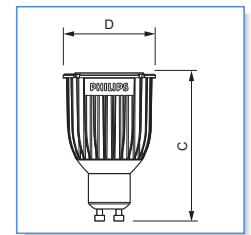
Dim. no.	C nom.	D nom.
1	55	50



Dim. no.	C nom.	D nom.
2	55	50



Dim. no.	C nom.	D nom.
3	80	50



Dim. no.	C nom.	D nom.
4	80	50

## MASTER LEDspotMV GU10

Wattage (W)	Additional Information	Beam Angle (°)	Colour Temperature (K)	Luminous Intensity (cd)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 8718291...	RoHS
4		25	2,700	700	25,000	Yes	1	ICT / 10 10	MLED4GU102725	19234300	yes
4		40	2,700	350	25,000	Yes	1	ICT / 10 10	MLED4GU102740	19236700	yes
4		25	3,000	700	25,000	Yes	1	ICT / 10 10	MLED4GU103025	19238100	yes
4		40	3,000	350	25,000	Yes	1	ICT / 10 10	MLED4GU103040	19240400	yes
4		25	4,000	760	25,000	Yes	1	ICT / 10 10	MLED4GU104025	19242800	yes
4		40	4,000	380	25,000	Yes	1	ICT / 10 10	MLED4GU104040	19244200	yes
6		25	2,700	1,000	40,000	Yes	2	ICT / 10 10	MLED6GU102725D	21067200	yes
6		40	2,700	600	40,000	Yes	2	ICT / 10 10	MLED6GU102740D	21073300	yes
6		25	3,000	1,100	40,000	Yes	2	ICT / 10 10	MLED6GU103025D	21069600	yes
6		40	3,000	600	40,000	Yes	2	ICT / 10 10	MLED6GU103040D	21075700	yes
6		25	4,000	1,100	40,000	Yes	2	ICT / 10 10	MLED6GU104025D	21071900	yes
6		40	4,000	1,100	40,000	Yes	2	ICT / 10 10	MLED6GU104040D	21077100	yes
8	Ra90	25	2,700	1,200	40,000	Yes	3	ICT / 6 6	MLED8GU1092725	68227100	yes
8		25	2,700	1,800	40,000	Yes	4	ICT / 6 6	MLED8GU1082725	68231800	yes
8	Ra90	40	2,700	600	40,000	Yes	3	ICT / 6 6	MLED8GU1092740	68229500	yes
8		40	2,700	900	40,000	Yes	4	ICT / 6 6	MLED8GU1082740	68233200	yes
8		25	3,000	1,900	40,000	Yes	4	ICT / 6 6	MLED8GU1083025	68235600	yes
8		40	3,000	950	40,000	Yes	4	ICT / 6 6	MLED8GU1083040	68237000	yes
8		25	4,000	1,900	40,000	Yes	4	ICT / 6 6	MLED8GU1084025	68239400	yes
8		40	4,000	950	40,000	Yes	4	ICT / 6 6	MLED8GU1084040	68241700	yes

## MASTER LEDspot PAR



### MASTER LEDspot PAR - The energy-saving alternative for lighting in public areas

With its robust design and warm-white beam of light, these new-generation PAR lamps are ideal for general lighting and spot lighting in the hospitality and industry. There is a choice of dimmable and non-dimmable versions. They are especially suitable for public areas such as lobbies, corridors, stairwells, where the light is always on.

Compatible with existing fixtures with an E27 holder and designed for retrofit

replacement of halogen/incandescent lamps, MASTER LEDspot PAR deliver huge energy savings and minimize maintenance cost without any reduction in brightness. The IP44-rated outdoor version of the PAR 38 lamp is one of the few energy-saving alternatives to incandescent PAR38 outdoor lamps available today. The dimmable PAR 20 is a perfect replacement for an incandescent spot.

### Product Features

- Lifetime of 45,000 hours
- Dimmable (except PAR38 OD)

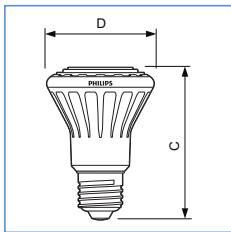
- UV- and IR-free light for less heat and protection for heat-sensitive objects
- Free of mercury and hazardous materials

### Product Benefits

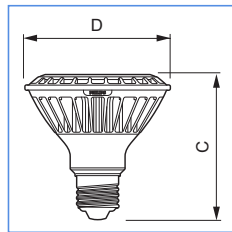
- Up to 80% energy saving compared to halogen lamps
- Retrofittable and compatible with existing fixtures with E27 holder
- Lower maintenance costs

### Applications

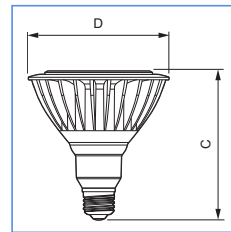
- Especially suitable for public areas like lobbies, corridors, stairwells and restaurants/bars



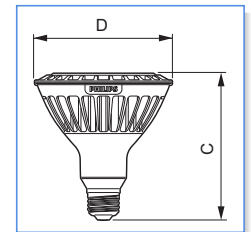
Dim. no.	C nom.	D nom.
1	90.2	63.7



Dim. no.	C nom.	D nom.
2	91	92



Dim. no.	C nom.	D nom.
3	132.5	121.6



Dim. no.	C nom.	D nom.
4	133	122

## MASTER LEDspot 230V ES

Wattage (W)	Bulb	Additional Information	Colour Temperature (°C) (K)	Luminous Intensity (cd)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number			
7	PAR20	Dimmable	25	2,700	1,000	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR202725D</b>	872790093398700	yes
7	PAR20	Dimmable	40	2,700	450	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR202740D</b>	872790093406900	yes
7	PAR20	Dimmable	25	3,000	1,050	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR203025D</b>	872790093400700	yes
7	PAR20	Dimmable	40	3,000	500	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR203040D</b>	872790093408300	yes
7	PAR20	Dimmable	25	4,000	1,200	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR204025D</b>	872790093402100	yes
7	PAR20	Dimmable	40	4,000	550	45,000	Yes	1	ICT / 6	6	<b>MLEDPAR204040D</b>	872790093410600	yes
12	PAR30S	Dimm	25	2,700	2,250	45,000	Yes	2	ICC / 6	6	<b>MLED12WPAR30N</b>	871829111927200	yes
17	PAR38	Outdoor	25	2,700	3,500	25,000	No	3	ICC / 6	6	<b>MLED17WPAR38OD</b>	871829111931900	yes
18	PAR38	Dimm	25	2,700	3,400	45,000	Yes	4	ICC / 6	6	<b>MLED18WPAR38N</b>	871829111929600	yes

## MASTER LEDcapsule LV



### MASTER LEDcapsule LV - For task lighting and decorative applications

The MASTER LEDcapsule radiates warm light in all directions, making it a true alternative for the halogen capsule. It is particularly suitable for task lighting and decorative applications in homes, shops, hotels and restaurants.

Compatible with existing fixtures with G4 holders and designed for retrofit replacement of halogen capsules, MASTER LEDcapsule

delivers huge energy savings and minimizes maintenance costs without any compromise on light quality. The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers.

### Product Features

- Patented intelligent driver
- Removable lens cover
- Warm white light

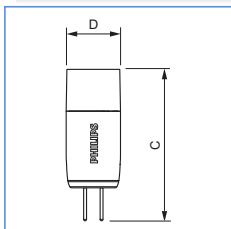
- Lifetime of 35,000 hours
- UV- and IR-free light for less heat and protection for heat-sensitive objects

### Product Benefits

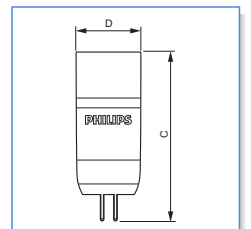
- Up to 75% energy saving compared with halogen lamps
- Broad compatibility with transformers
- Lower maintenance costs

### Application

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



Dim. no.	C nom.	D nom.
1	36.8	13.2



Dim. no.	C nom.	D nom.
2	49.8	18.7

## MASTER LEDcapsuleLV 12V G4

Wattage (W)	Colour Temperature (K)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number		
1.0	2,700	25,000	No	1	ICT / 12	12	<b>MLEDLV152700K</b>	<b>19202200</b>	yes
2.5	2,700	25,000	No	2	ICT / 12	12	<b>MLED2WG427N</b>	<b>15535500</b>	yes

## CorePro LEDlamps



The non-dimmable LEDlamps are ideal for general lighting applications. Delivering a warm, halogen-like accent beam, LEDspots are a perfect fit for spot lighting and have a broad compatibility with transformers. LEDspots are compatible with most existing fixtures with a GU10 / MR16 GU5.3 holder and are designed as a retrofit replacement for halogen or incandescent spots. LEDbulbs are compatible with existing fixtures with an

E27 or a B22 holder and are designed for retrofit replacement of incandescent bulbs. LEDlamps deliver huge energy savings and minimise maintenance cost.

### Product Features

- non dimmable
- warm white light
- lifetime of 10,000 to 20,000 hours
- UV- and IR-free light for less heat and protection for heat-sensitive objects

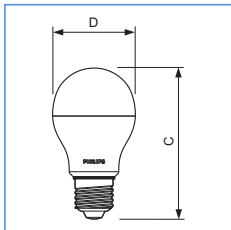
### Product Benefits

- up to 80% energy saving compared with halogen lamps

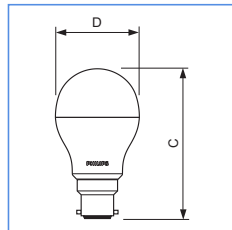
- retrofittable
- lower maintenance costs

### Application

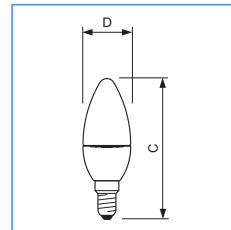
- hotels, restaurants, bars, cafés
- lobbies, corridors, stairwells, washrooms, reception areas



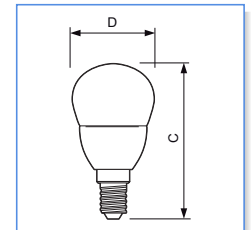
Dim. no.	C nom.	D nom.
1	102.6	56.2



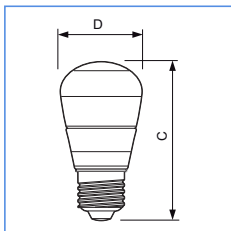
Dim. no.	C nom.	D nom.
2	102.6	56.2



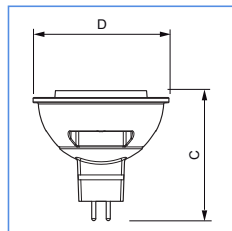
Dim. no.	C nom.	D nom.
3	102	35



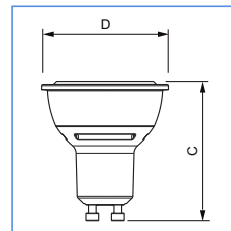
Dim. no.	C nom.	D nom.
4	86	43



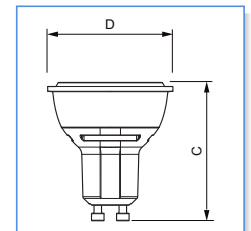
Dim. no.	C nom.	D nom.
5	91	46



Dim. no.	C nom.	D nom.
6	47.8	50



Dim. no.	C nom.	D nom.
7	55	50



Dim. no.	C nom.	D nom.
8	50	54.3

Type	Wattage (W)	Voltage (V)	Cap-Base	Bulb	Colour Temperature (K)	Luminous Intensity (cd)	Rated Lifetime (hours)	Dimmable	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 8718291...	
CorePro LEDBulb	6.0	230	ES		2,700		15,000	No	1	ICC / 6	LED6WE27ND	19268800	yes
CorePro LEDBulb	6.0	230	BC		2,700		15,000	No	2	ICC / 6	LED6WB22ND	19266400	yes
CorePro LEDBulb	9.5	230	ES		2,700		15,000	No	1	ICC / 6	LED9WE27ND	19262600	yes
CorePro LEDBulb	9.5	230	BC		2,700		15,000	No	2	ICC / 6	LED9WB22ND	19260200	yes
CorePro LEDBulb	10.5	230	BC		2,700		15,000	No	2	IBB / 6	LED10WB22ND	25628100	yes
CorePro LEDBulb	10.5	230	ES		2,700		15,000	No	1	IBB / 6	LED10WE27ND	24281900	yes
CorePro LEDcandle	4.0	220-240	SES	B35	2,700		20,000	No	3	ICC / 10	LED4WB35E14FR	67712300	yes
CorePro LEDluster	4.0	220-240	SES	P45	2,700		20,000	No	4	ICC / 10	LED4WP45E14FR	67714700	yes
CorePro LEDluster	4.0	220-240	ES	P45	2,700		20,000	No	5	ICC / 10	LED4WP45E27FR	67716100	yes
CorePro LEDspotLV	5.5	12		MR16 36	2,700	1,000	20,000	No	6	ICT / 10	LEDS5WGU532736	20183000	yes
CorePro LEDspotLV	5.5	12		MR16 36	3,000	1,030	20,000	No	6	ICT / 10	LEDS5WGU533036	19272500	yes
CorePro LEDspotLV	6.5	12		MR16 36	2,700	1,200	20,000	No	6	ICT / 10	LEDS6WGU532736	20191500	yes
CorePro LEDspotLV	6.5	12		MR16 36	3,000	1,250	20,000	No	6	ICT / 10	LEDS6WGU533036	19270100	yes
CorePro LEDspotMV	4.0	230	GU10	36	3,000	300	10,000	No	7	ICT / 10	LEDS4WGU1030ND	20197700	yes
CorePro LEDspotMV	5.0	230	GU10	36	2,700	550	20,000	No	8	IBB / 10	LEDS5WGU1027ND	24277200	yes

# LED Tubes

## MASTER LEDtube GA



### Product Description

Philips MASTER LEDtube integrates a LED light source with a frosted cover design into the traditional linear fluorescent form factor. The new light source offers natural light colours while consumes 22 W system energy when used to replace a TL-D 36 W with electromagnetic ballast, resulting in up to 50% energy saving. The product's long lifetime and excellent lumen maintenance minimize the hassle of re-lamping while reducing maintenance costs. A complete range is available to replace 600, 900, 1,200 and 1,500 mm TL-D tubes.

### Product Features

- Only 50% energy consumption compared to fluorescent tubes
- Extra-long life of 40,000 hours
- Retrofit to existing T8 lamps on EM ballast installations
- Full safety features and EM Protector safety device
- No mercury

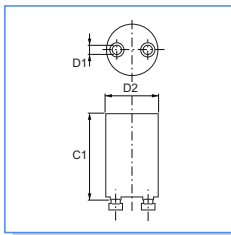
### Product Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes

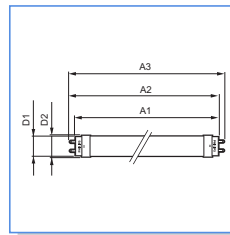
- Fastest and easiest way to upgrade existing luminaire to LED technology; 100%- safe installation process

### Application

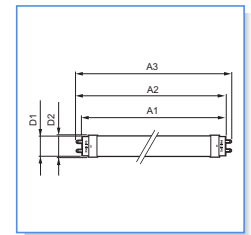
- Parking lots / covered car parks
- Warehouses / coldrooms / signage
- Transport and distribution areas



Dim. no.	C1 nom.	D1 nom.
I	34.5	3



Dim. no.	A1 nom.	A2 nom.	A3 nom.	D1 nom.	D2 nom.
2	588.5	595.5	602.5	25.68	28
3	893.5	900.5	907.5	25.68	28
4	1198.0	1205.0	1212.0	25.68	28
5	1500.0	1507.0	1514.0	25.68	28



Dim. no.	A1 nom.	A2 nom.	A3 nom.	D1 nom.	D2 nom.
6	602.5	595.5	602.5	25.68	28.00
7	602.5	595.5	602.5	25.68	25.68
8	1212.0	1205.0	1212.0	25.68	28.00
9	1212.0	1205.0	1212.0	28.00	25.68
10	1514.2	1507.1	1514.2	25.68	28.00
11	1763.8	1770.9	1778.0	28.00	25.68

Type	Wattage (W)	Colour Rendering Index (R <sub>a</sub> )	Beam Angle (°)	Luminous Flux (lm)	Dim. no.	Packing type/ Packing configuration	National Order Code	Ordering number 871 829 1...	RoHS	
MASTER LEDtube Starter EMP 050 CP					1	INO / 4X10CC	40	<b>MLEDSTARTER4X10</b>	<b>15720500</b>	yes
MASTER LEDtube GA110 600mm 10W 840 C	10	83		825	2	ICC / 10	10	<b>MLEDGA11010840C</b>	<b>23868300</b>	yes
MASTER LEDtube GA110 600mm 10W 840 I	10	83		825	2	ISL / 10	10	<b>MLEDGA11010840I</b>	<b>23876800</b>	yes
MASTER LEDtube GA110 600mm 10W 865 I	10	83		825	2	ISL / 10	10	<b>MLEDGA11010865I</b>	<b>23878200</b>	yes
MASTER LEDtube GA110 600mm 10W 865 C	10	83		825	2	ICC / 10	10	<b>MLEDGA11010865C</b>	<b>23870600</b>	yes
MASTER LEDtube GA110 600mm 10W 840 I ROT	10	83		825	6	ICC / 10	10	<b>MLEDGA11010840R</b>	<b>66233400</b>	yes
MASTER LEDtube GA300 600mm 11W 840 C	11	85	140	1,050	7	ICC / 10	10	<b>MLEDGA30011840C</b>	<b>23864500</b>	yes
MASTER LEDtube GA300 600mm 11W 840 I	11	85	140	1,050	7	ISL / 10	10	<b>MLEDGA30011840I</b>	<b>23872000</b>	yes
MASTER LEDtube GA300 600mm 11W 865 I	11	85	140	1,050	7	ISL / 10	10	<b>MLEDGA30011865I</b>	<b>23874400</b>	yes
MASTER LEDtube GA300 600mm 11W 865 C	11	85	140	1,050	7	ICC / 10	10	<b>MLEDGA30011865C</b>	<b>23866900</b>	yes
MASTER LEDtube GA300 600mm 11W 840 I ROT	11	85	140	1,050	7	ICC / 10	10	<b>MLEDGA30011840R</b>	<b>66229700</b>	yes
MASTER LEDtube GA110 900mm 15W 840 C	15	83		1,265	3	ICC / 10	10	<b>MLEDGA11015840C</b>	<b>23880500</b>	yes
MASTER LEDtube GA110 900mm 15W 840 I	15	83		1,265	3	ISL / 10	10	<b>MLEDGA11015840I</b>	<b>23884300</b>	yes
MASTER LEDtube GA110 900mm 15W 865 I	15	83		1,265	3	ISL / 10	10	<b>MLEDGA11015865I</b>	<b>23886700</b>	yes
MASTER LEDtube GA110 900mm 15W 865 C	15	83		1,265	3	ICC / 10	10	<b>MLEDGA11015865C</b>	<b>23882900</b>	yes
MASTER LEDtube GA110 1200mm 19W 840 I	19	83		1,650	4	ISL / 10	10	<b>MLEDGA11019840I</b>	<b>23844700</b>	yes
MASTER LEDtube GA110 1200mm 19W 840 C	19	83		1,650	4	ICC / 10	10	<b>MLEDGA11019840C</b>	<b>23856000</b>	yes
MASTER LEDtube GA110 1200mm 19W 865 C	19	83		1,650	4	ICC / 10	10	<b>MLEDGA11019865C</b>	<b>23858400</b>	yes
MASTER LEDtube GA110 1200mm 19W 865 I	19	83		1,650	4	ISL / 10	10	<b>MLEDGA11019865I</b>	<b>23846100</b>	yes
MASTER LEDtube GA110 1200mm 19W 840 I ROT	19	83		1,650	8	ICC / 10	10	<b>MLEDGA11019840R</b>	<b>66235800</b>	yes
MASTER LEDtube GA300 1200mm 22W 840 I	22	85	140	2,100	9	ISL / 10	10	<b>MLEDGA30022840I</b>	<b>23840900</b>	yes
MASTER LEDtube GA300 1200mm 22W 840 C	22	85	140	2,100	9	ICC / 10	10	<b>MLEDGA30022840C</b>	<b>23852200</b>	yes
MASTER LEDtube GA300 1200mm 22W 865 C	22	85	140	2,100	9	ICC / 10	10	<b>MLEDGA30022865C</b>	<b>23854600</b>	yes
MASTER LEDtube GA300 1200mm 22W 865 I	22	85	140	2,100	9	ISL / 10	10	<b>MLEDGA30022865I</b>	<b>23842300</b>	yes
MASTER LEDtube GA300 1200mm 22W 840 I ROT	22	85	140	2,100	9	ICC / 10	10	<b>MLEDGA30022840R</b>	<b>66231000</b>	yes
MASTER LEDtube GA110 1500mm 24W 840 I	24	83		2,065	5	ISL / 10	10	<b>MLEDGA11024840I</b>	<b>23848500</b>	yes
MASTER LEDtube GA110 1500mm 24W 840 C	24	83		2,065	5	ICC / 10	10	<b>MLEDGA11024840C</b>	<b>23860700</b>	yes
MASTER LEDtube GA110 1500mm 24W 865 C	24	83		2,065	5	ICC / 10	10	<b>MLEDGA11024865C</b>	<b>23862100</b>	yes
MASTER LEDtube GA110 1500mm 24W 865 I	24	83		2,065	5	ISL / 10	10	<b>MLEDGA11024865I</b>	<b>23850800</b>	yes
MASTER LEDtube GA110 1500mm 24W 840 I ROT	24	83		2,065	10	ICC / 10	10	<b>MLEDGA11024840R</b>	<b>66237200</b>	yes
MASTER LEDtube GA210 1500mm 34W 840 G13	34	85	140	3,000	10	ISL / 10	10	<b>MLEDGA34W840</b>	<b>19860400</b>	yes
MASTER LEDtube GA300 1800mm 45W 840 C	45	85	140	4,000	11	ICC / 10	10	<b>MLEDGA30045840C</b>	<b>66100900</b>	yes

## CorePro LEDtube



### The affordable LED solution

The CorePro LEDtube is an affordable LED solution suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

### Product Features

- Only 50% energy consumption compared to fluorescent tubes

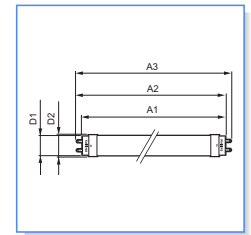
- Lasts two times longer than fluorescent tubes
- Retrofit replacement of existing T8 lamps on electromagnetic (EM) ballast installations

### Product Benefits

- Minimizes overall lighting costs
- Offers cheapest and easiest upgrade to LED lighting technology

### Application

- Parking lots and covered car parks
- Warehouses and coldrooms
- Signage



Dim. no.	A1 nom.	A2 nom.	A3 nom.	D1 nom.	D2 nom.
1	588.5	595.5	602.5	25.68	28
2	1198.0	1205.0	1212.0	25.68	28

Type	Wattage (W)	Colour Rendering Index (Ra)	Beam angle (°)	Luminous Flux (lm)	Dim. no.	Packing type/Packing configuration	National Order Code	Ordering number 8718291...	RoHS
CorePro LEDtube 600mm 10W 840 I	10	80	140	800	1	ICC / 10	<b>CLEDTUBE10W840I</b>	<b>66963000</b>	yes
CorePro LEDtube 600mm 10W 840 C	10	80	140	800	1	ICC / 10	<b>CLEDTUBE10W840C</b>	<b>66971500</b>	yes
CorePro LEDtube 600mm 10W 865 C	10	80	140	800	1	ICC / 10	<b>CLEDTUBE10W865C</b>	<b>66973900</b>	yes
CorePro LEDtube 600mm 10W 865 I	10	80	140	800	1	ICC / 10	<b>CLEDTUBE10W865I</b>	<b>66965400</b>	yes
CorePro LEDtube 1200mm 20W 840 I	20	80	140	1,600	2	ICC / 10	<b>CLEDTUBE20W840I</b>	<b>66959300</b>	yes
CorePro LEDtube 1200mm 20W 840 C	20	80	140	1,600	2	ICC / 10	<b>CLEDTUBE20W840C</b>	<b>66967800</b>	yes
CorePro LEDtube 1200mm 20W 865 C	20	80	140	1,600	2	ICC / 10	<b>CLEDTUBE20W865C</b>	<b>66969200</b>	yes
CorePro LEDtube 1200mm 20W 865 I	20	80	140	1,600	2	ICC / 10	<b>CLEDTUBE20W865I</b>	<b>66961600</b>	yes

## LED Freezer System

### Affinium LED freezer modules 393



### Lighting food. Brightening faces.

Affinium LED freezer modules LFM393 can be installed horizontally in the top section of a glass-door cabinet to offer extra lighting in the upper section of the cabinet and on eye-level shelves, thus improving the visibility of the merchandise. The modules are typically used in combination with Affinium LED display modules such as the LDM400/410 and are operated by a separate Philips LED power driver.

### Product Features

- Module length 490 mm
- Available in cool white and neutral white

### Product Benefits

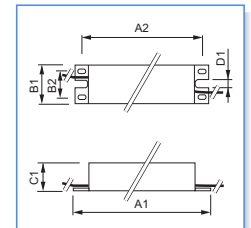
- Affinium LED lighting offers excellent total cost of ownership with attractive payback times
- Improved visibility and presentation of the fresh food on display; especially in the upper section and on shelves at eye level.
- Reduced risk of the food on display spoiling, because LEDs generate less heat than fluorescent lamps.
- Virtually maintenance-free throughout the life of the cooler display thanks to the long lifetime of 50,000 hours with excellent lumen maintenance.

### Application

- Glass-door freezer cabinets (horizontal installation in the top section).

### System

- The lighting appearance of the LFM393 modules, combined with LDM400/410 for example, gives a store a sparkling, modern touch.



A1 nom.	A2 nom.	B1 nom.	B2 nom.	C1 nom.	D1 nom.
241	228.6	43	26.6	30	4.4

Type	Packing type/Packing configuration	National Order Code	Ordering number 8711500...
LED Power Driver Outd. 100-240V 100W 24V	UNP / 10	<b>LPD-100WLED</b>	<b>91196430</b>