

# RefLED ES50 V3

RefLED ES50 V3 345lm 830 36° SL

0027433



## Product features

- Good every day quality from a brand you can trust. RefLED ES50 V3 delivers a cost effective solution to replacing halogen GU10 with LED offering 345lm of light equivalent to a 50W halogen lamp while extending lamp life to 15,000 hours. GU10 cap. 36 degree beam angle in Warm white 3000K. Backed by a 3 year warranty. CCSMD Technology delivers a halogen look lens with high efficiency and good thermal control.

## PRODUCT OVERVIEW

Lamp finish	White
Lamp shape	GU10/ES50
Colour temperature (K)	3000
CRI (Ra)	80
Dimmable	No
EAN code	5410288274331
Energy class	A+
Equivalent watt (W)	50
Cap/Base	GU10
Beam angle(°)	36
Type	RefLED ES50 V3
Watt (Nominal) (W)	4.5
Light colour	830 Warm White
Ordering number	0027433
Efficacy (Rated) (lm/w)	76.66666666666667
Average life (h) - L70/B50	15000
Luminous flux (Rated) (lm)	345
Technology	LED
Voltage (V)	220-240
Colour consistency (SDCM)	6
Inrush Current (A)	0.4

## DATA TABLE

### General data

Average life (h) at Ta 25° C	15000
Control gear required	No
Lamp finish	White
Lamp shape	GU10/ES50
Control gear availability	No

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Dimmable	No
EAN code	5410288274331
Energy class	A+
Energy saving lamp	Yes
General application	Hospitality; Residential & Consumer
Intended purpose	General lighting
Cap/Base	GU10
Lamp mercury content (mg)	0
Type	RefLED ES50 V3
No. of switching cycles before premature failure (min)	50000
Optimal operating condition (°C)	25
Ordering number	0027433

## Range features

- Up to 90% energy saving comparing to halogen
- High light output - real retrofit for the halogen lamps (36W, 50W and 60W replacements)
- Perfect shape and size for a perfect fit in your luminaire
- Choice of beam angles to suit lighting needs (36 degree or ultra wide beam 110 degree)
- Available in different colour temperatures: 2700K Homelight, 3000K Warm white, 4000K Cool white and 6500K Daylight
- Dimmable option available on approved dimmers \*
- Highly efficient - up to 71lm/W
- Average rated life of 15,000 hours
- 3 year warranty

Product name	RefLED ES50 V3 345lm 830 36° SL
Average life (h) - L70/B50	15000
Special purpose lamp	No
Starting time (max) (s)	<0,5
Technology	LED
Transformer required	No
Warm-up time to 60% of full light (max) (s)	< 2s => 95%
E-number SE	8292495
E-number FI	4740462

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## Optical data

Chromaticity coordinate X	0.437
Chromaticity coordinate Y	0.404
Colour temperature (K)	3000

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<b>CRI (Ra)</b>	80
<b>Beam angle(°)</b>	36
<b>Light colour</b>	830 Warm White
<b>Lumen maintenance at end of nominal life (%)</b>	70
<b>Luminous flux (Nominal) (lm)</b>	345
<b>Peak intensity (cd)</b>	810
<b>Luminous flux (Rated) (lm)</b>	345
<b>Suitable for accent lighting</b>	Yes
<b>Beam angle (Rated) (°)</b>	36
<b>Colour consistency (SDCM)</b>	6

## Electrical data

<b>Current (A)</b>	40
<b>Equivalent watt (W)</b>	50
<b>kWh per 1000 hours burning time</b>	5
<b>Lamp power factor</b>	0.5
<b>Watt (Nominal) (W)</b>	4.5
<b>Efficacy (Rated) (lm/w)</b>	76.66666666666667
<b>Watt (Rated) (W)</b>	4.5
<b>Voltage (V)</b>	220-240
<b>Inrush Current (A)</b>	0.4

## Physical data

<b>Max. Lamp Diameter (mm) - D</b>	50
<b>Lamp Length (mm) - C/L</b>	54
<b>Lamp dimension equal to filament lamp equivalent</b>	Yes
<b>Adjustable chromaticity</b>	No
<b>Designed for optimum use in non standard conditions</b>	No
<b>Fluorescent lamp replacement</b>	No

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