



#### **Product features**

- Compact, energy efficient and exceptional value LED GU10 lamp
- Same shape and size as halogen GU10 lamp
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heat sink from the front
- Available in 36 degree beam angle
- High lumen efficacy
- 15,000 hours average rated life
- 3 years warranty















### **PRODUCT OVERVIEW**

Product name RefLED ES50 V6 450LM 840 36 SL Technology LED Watt (Rated) (W) 6.2 Type LED exchangeable Cap/Base GU10 Fixture rating Open General application Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries ETIM Class EC001959 E-number FI 4741065 Warranty 3 years Colour temperature (K) 4000 Light colour Cool White CRI (Ra) 80 Colour Variation Initial (SDCM) SDCM6 Colour Consistency (SDCM) Beam Angle (°) 36 Photobiological Risk Group Wattage (W) Product Voltage (V) Dimmable No Average life (Nominal) (h) Product EAN number		
Watt (Rated) (W)  Cap/Base  Gu10  Fixture rating  Open  General application  ETIM Class  E-number FI  Warranty  Colour temperature (K)  Light colour  CRI (Ra)  Colour Variation Initial (SDCM)  Colour Consistency (SDCM)  Beam Angle (°)  Photobiological Risk Group  Wattage (W)  Average life (Nominal) (h)  ED Open  Gu10  Colour LED exchangeable  Gu10  Copin  C	Product name	RefLED ES50 V6 450LM 840 36 SL
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Fixture rating  General application  ETIM Class  E-number FI Warranty  Colour temperature (K)  Light colour  CRI (Ra)  Colour Variation Initial (SDCM)  Beam Angle (°)  Photobiological Risk Group  Wattage (W)  Average life (Nominal) (h)  Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries  E-00ffice, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries  EC001959  E-001959  E-0019	Туре	LED exchangeable
General application  Ciffice, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries  ETIM Class  EC001959  E-number FI  4741065  Warranty  3 years  Colour temperature (K)  4000  Light colour  Cool White  CRI (Ra)  80  Colour Variation Initial (SDCM)  Colour Consistency (SDCM)  Beam Angle (°)  Photobiological Risk Group  Wattage (W)  Foduct Voltage (V)  Dimmable  No  Average life (Nominal) (h)  FC001959  EC001959  4741065  A741065  Average life (Nominal) (Application of Residential & Consumer, Museums & Galleries  EC001959  EC001	Cap/Base	GU10
ETIM Class EC001959 E-number FI 4741065 Warranty 3 years Colour temperature (K) 4000 Light colour Cool White CRI (Ra) 80 Colour Variation Initial (SDCM) SDCM6 Colour Consistency (SDCM) 6 Beam Angle (°) 36 Photobiological Risk Group RG1 Wattage (W) 6.2 Product Voltage (V) 230 Dimmable No Average life (Nominal) (h) 15000	Fixture rating	Open
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Light colour  CRI (Ra)  80  Colour Variation Initial (SDCM)  SDCM6  Colour Consistency (SDCM)  Beam Angle (°)  Photobiological Risk Group  Wattage (W)  Product Voltage (V)  Dimmable  Average life (Nominal) (h)  RGI  White  SDCM6  Colour Consistency (SDCM)  6  80  SDCM6  Colour Consistency (SDCM)  6  86  PCOLOUR CONSISTENCY (SDCM)  80  80  80  80  80  80  80  80  80  8	Warranty	3 years
CRI (Ra) 80 Colour Variation Initial (SDCM) SDCM6 Colour Consistency (SDCM) 6 Beam Angle (°) 36 Photobiological Risk Group RG1 Wattage (W) 6.2 Product Voltage (V) 230 Dimmable No Average life (Nominal) (h) 15000	Colour temperature (K)	4000
Colour Variation Initial (SDCM)  Colour Consistency (SDCM)  Beam Angle (°)  Photobiological Risk Group  Wattage (W)  Product Voltage (V)  Dimmable  Average life (Nominal) (h)  SDCM6  6  8  BCM6  6  Colour Consistency (SDCM)  8  8  8  8  8  8  8  8  8  8  8  8  8	Light colour	Cool White
Colour Consistency (SDCM)  Beam Angle (°)  36  Photobiological Risk Group  Wattage (W)  6.2  Product Voltage (V)  230  Dimmable  No  Average life (Nominal) (h)  15000	CRI (Ra)	80
Beam Angle (°) 36 Photobiological Risk Group RG1 Wattage (W) 6.2 Product Voltage (V) 230 Dimmable No Average life (Nominal) (h) 15000	Colour Variation Initial (SDCM)	SDCM6
Photobiological Risk Group RG1 Wattage (W) 6.2 Product Voltage (V) 230 Dimmable No Average life (Nominal) (h) 15000	Colour Consistency (SDCM)	6
Wattage (W) 6.2 Product Voltage (V) 230 Dimmable No Average life (Nominal) (h) 15000	Beam Angle (°)	36
Product Voltage (V)  Dimmable  Average life (Nominal) (h)  230  No  15000	Photobiological Risk Group	RG1
Dimmable No Average life (Nominal) (h) 15000	Wattage (W)	6.2
Average life (Nominal) (h) 15000	Product Voltage (V)	230
	Dimmable	No
<b>Product EAN number</b> 5410288291796	Average life (Nominal) (h)	15000
	Product EAN number	5410288291796

### **DATA TABLE**

General d	ata
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Product name	RefLED ES50 V6 450LM 840 36 SL
Technology	LED
Watt (Rated) (W)	6.2
Туре	LED exchangeable



Cap/Base	GU10
Fixture rating	Open
General application	Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries
Operating temperature range (°C)	-20°C - 40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4741065
Warranty	3 years
Optical data	
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
Luminous Intensity (cd)	960
Beam Angle (°)	36
Photobiological Risk Group	RG1
Lumen maintenance at end of nominal life (%)	70
Electrical data	
Wattage (W)	6.2
Equivalent watt (W)	60
Product Voltage (V)	230
Control gear required	No
No. Of switching cycles before premature failures	>50000
Transformer required	No
Dimmable	No
Inrush Current (A)	3.65
Inrush Duration (µs)	4200
Lamp Energy Label (class)	F
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 16A C Breaker	123
Max. Luminaires per 16A B Breaker	74
Lifetime data	
Lifespan L70 B50	15000
Average life (Nominal) (h)	15000
Average life (Rated) (h)	15000
Physical data	
Nominal Product Height (mm)	54
Nominal Product Diameter (mm)	50
Weight (kg)	0.035
<b>V V</b>	



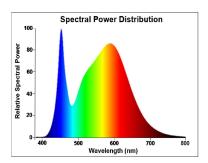
Pac		

Single packaging type	Carton
Product EAN number	5410288291796
Packaging single length / height (cm)	8.2
Packaging single width (cm)	6.1
Packaging single depth (cm)	5.1
DUN14 (inner)	25410288291790
Units per inner package	6
Packaging inner length / height (cm)	9.2
Packaging inner width (cm)	16.4
Packaging inner depth (cm)	13.1
DUN14 (outer)	15410288291793
Units per outer package	60
Packaging outer length / height (cm)	20.8
Packaging outer width (cm)	17.8
Packaging outer depth (cm)	68.5

#### Safety data

Optimal operating condition (°C)	-20-40
Breakage cleaning instructions	Not applicable
Special purpose lamp	No
Dry applications use only	Yes
Suitable for household illumination	Yes
Safety message	Not Suitable for totally enclosed fixtures

### **PHOTOMETRY**



## **TECHNICAL DRAWINGS**









