



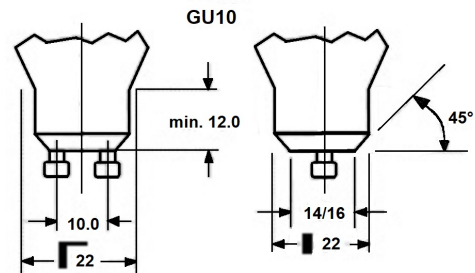
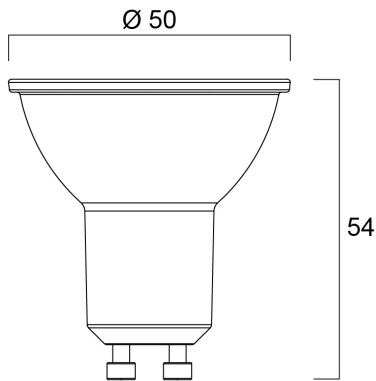
Features

- Compact, energy efficient and exceptional value for money product.
- 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
- High lumen efficacy
- 15,000 hours average rated life
- 3 years warranty

Product Overview

Product name	RefLED ES50 V5 230lm 840 36° SL
Technology	LED
Watt (Rated) (W)	3.10
Cap/Base	GU10
Fixture rating	Open
General application	Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries
ETIM Class	EC001959
E-number FI	4740459
E-number SE	8292493
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Consistency (SDCM)	6
Colour Variation Initial (SDCM)	6
Beam Angle (°)	36
Wattage (W)	3.10
Product Voltage (V)	230
Average life (Nominal) (h)	15000
Product EAN number	5410288274287
Warranty	3 years

Technical drawings



Data table

GENERAL DATA

Product name	RefLED ES50 V5 230lm 840 36° SL
Technology	LED
Watt (Rated) (W)	3.10
Cap/Base	GU10
Fixture rating	Open
General application	Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4740459
E-number SE	8292493
Warranty	3 years

OPTICAL DATA

RefLED ES50 V5 230lm 840 36° SL 0027428

Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Consistency (SDCM)	6
Colour Variation Initial (SDCM)	6
Luminous Intensity (cd)	460
Beam Angle (°)	36
Lumen maintenance at end of nominal life (%)	70

ELECTRICAL DATA

Wattage (W)	3.10
Equivalent watt (W)	35
Starting time (max) (s)	#0.5
Warm-up time to 60% of full light (max) (s)	#1.0
Product Voltage (V)	230
Lamp power factor	0.4
Control gear required	No
No. Of switching cycles before premature failures	>50000
Inrush Current (A)	2.50
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	24
Max. Luminaires per 16A C Breaker	38
Max. Luminaires per 20A C Breaker	48

LIFETIME DATA

Average life (Nominal) (h)	15000
Average life (Rated) (h)	15000

PHYSICAL DATA

Nominal Product Length (mm)	54
Nominal Product Diameter (mm)	50

RefLED ES50 V5 230lm 840 36° SL 0027428

Weight (kg)	0.038
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PACKAGING

Single packaging type	Carton
Product EAN number	5410288274287
Packaging single length / height (cm)	6.1
Packaging single width (cm)	5.2
Packaging single depth (cm)	5.2
DUN14 (inner)	25410288274281
Units per inner package	6
Packaging inner length / height (cm)	16.7
Packaging inner width (cm)	11.6
Packaging inner depth (cm)	7.5
DUN14 (outer)	15410288274284
Units per outer package	60
Packaging outer length / height (cm)	59.8
Packaging outer width (cm)	18.7
Packaging outer depth (cm)	17.1

SAFETY DATA

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