

RefLED Retro Superia ES50 DIMMABLE

RefLED Sup RT ES50 V2 345 DIM 827 36d SL

0028549



Product features

- Premium performance professional LED GU10 range with the same look and feel of traditional halogen GU10 lamp
- Recreates backlight effect similar to halogen dichroic lamps
- Full glass design - means no colours clashing between lamp and fixture
- Very long lifetime of up to 25,000 hours
- COOLFIT functionality - ensures overheat and over temperature protection
- High switching cycles: >100,000
- High colour rendering: CRI80
- Dimmable on approved dimmers.
- Warranty: 5 Years



NOTES

undefined

PRODUCT OVERVIEW

IPC Code	0028549
Product name	RefLED Sup RT ES50 V2 345 DIM 827 36d SL
Technology	LED
Watt (Rated) (W)	4.5
Cap/Base	GU10
Fixture rating	Open
General application	Education, Hospitality, Museums & Galleries, Office, Residential & Consumer, Retail
ETIM Class	EC001959
Colour temperature (K)	2700
Light colour	Homelight
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
Beam Angle (°)	36
Wattage (W)	4.5
Product Voltage (V)	230
Average life (Nominal) (h)	25000
Product EAN number	5410288285498

DATA TABLE

General data

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Cap/Base	GU10
Fixture rating	Open
General application	Education, Hospitality, Museums & Galleries, Office, Residential & Consumer, Retail
ETIM Class	EC001959

Optical data

Rated Luminous Flux Useful (lm)	345
Colour temperature (K)	2700
Light colour	Homelight
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
Rated Luminous Intensity (cd)	700
Beam Angle (°)	36
Beam angle (Rated) (°)	36
Lumen maintenance at end of nominal life (%)	70

Electrical data

Wattage (W)	4.5
Equivalent watt (W)	50
Starting time (max) (s)	<0.5
Warm-up time to 60% of full light (max) (s)	<1
Product Voltage (V)	230
Lamp power factor	0.7
No. Of switching cycles before premature failures	100000
Inrush Current (A)	0.55
Lamp Energy Label (class)	A+
kWh per 1000 hours burning time	5
Nominal Frequency (Hz)	50Hz
Max. Luminaires per 10A C Breaker	73
Max. Luminaires per 16A C Breaker	115
Max. Luminaires per 20A C Breaker	145

Lifetime data

Performance ambient temperature Tq (°C)	25
Average life (Nominal) (h)	25000
Average life (Rated) (h)	25000

Physical data

Nominal Product Length (mm)	54
Nominal Product Diameter (mm)	50
Weight (kg)	0.055

Packaging

Single packaging type	Carton
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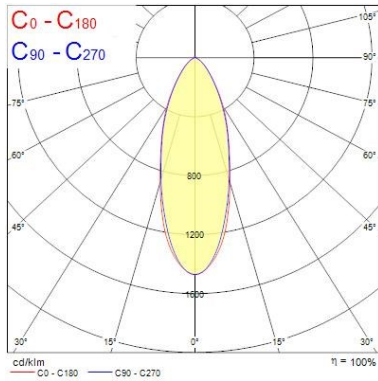
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Product EAN number	5410288285498
Packaging single length / height (cm)	6.7
Packaging single width (cm)	5.1
Packaging single depth (cm)	5.1
DUN14 (outer)	15410288285495
Units per inner package	6
Packaging inner length / height (cm)	7.5
Packaging inner width (cm)	16.5
Packaging inner depth (cm)	11.0
DUN14 (inner)	25410288285492
Units per outer package	60
Packaging outer length / height (cm)	17.5
Packaging outer width (cm)	58.0
Packaging outer depth (cm)	17.8

Safety data

Breakage cleaning instructions	Not applicable
Special purpose lamp	No
Dry applications use only	Yes
Suitable for household illumination	Yes
Safety message	Dimmable with approved dimmers

PHOTOMETRY



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.33	E(0°) 2425
	0.34	E(C90) 18.3° 1031
	0.34	E(C0) 18.6° 1028
1.0	0.66	E(0°) 601
	0.67	E(C90) 18.3° 288
	0.67	E(C0) 18.6° 287
1.5	0.99	E(0°) 267
	1.01	E(C90) 18.3° 115
	1.01	E(C0) 18.6° 114
2.0	1.32	E(0°) 190
	1.35	E(C90) 18.3° 84
	1.35	E(C0) 18.6° 84
2.5	1.65	E(0°) 98
	1.68	E(C90) 18.3° 41
	1.68	E(C0) 18.6° 41
3.0	1.98	E(0°) 67
	2.02	E(C90) 18.3° 30
	2.02	E(C0) 18.6° 29

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 37.2°)
 — C90 - C270 (Half beam angle: 36.6°)

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