

RefLED ES111 DIM

RefLED Retro ES111 V2 1150LM DIM 830 25SL

0029192



Product features

- High performance LED ES111 lamp with the same look and feel of traditional Halogen ES111 lamp
- Full glass design - means no colours clashing between lamp and fixture
- High lumen output - 1150lm
- Stippled lens to help reduce glare and recreate the halogen light effect
- 25° beam angle
- 87% energy saving
- Dimmable
- 25,000 H average rated life, last 12.5 times longer than halogen alternatives
- > 100,000X switching cycle
- High lumen efficacy - 89 lm/W
- Good colour rendering - CRI 80



PRODUCT OVERVIEW

Product name	RefLED Retro ES111 V2 1150LM DIM 830 25SL
Technology	LED
Watt (Rated) (W)	13
Type	LED exchangeable
Cap/Base	GU10
Fixture rating	Open
General application	Hospitality, Retail, Residential & Consumer, Museums & Galleries
ETIM Class	EC001959
E-number FI	4741074
Warranty	3 years
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
Beam Angle (°)	25
Photobiological Risk Group	RG1
Wattage (W)	13
Product Voltage (V)	230
Dimmable	Yes
Average life (Nominal) (h)	25000
Product EAN number	5410288291925

DATA TABLE

General data

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Fixture rating	Open
General application	Hospitality, Retail, Residential & Consumer, Museums & Galleries
Operating temperature range (°C)	-20°C - 40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4741074
Warranty	3 years

Optical data

Rated Luminous Flux Useful (lm)	1150
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
Rated Luminous Intensity (cd)	3200
Beam Angle (°)	25
Photobiological Risk Group	RG1
Lumen maintenance at end of nominal life (%)	70

Electrical data

Wattage (W)	13
Equivalent watt (W)	140
Product Voltage (V)	230
Control gear required	No
No. Of switching cycles before premature failures	>100000
Transformer required	No
Dimmable	Yes
Inrush Current (A)	2.3
Inrush Duration (µs)	110
Lamp Energy Label (class)	F
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 16A C Breaker	182
Max. Luminaires per 16A B Breaker	182

Lifetime data

Lifespan L70 B50	25000
Average life (Nominal) (h)	25000
Average life (Rated) (h)	25000

Physical data

Nominal Product Length (mm)	111
Nominal Product Diameter (mm)	69
Weight (kg)	0.17

Packaging

Single packaging type	Carton
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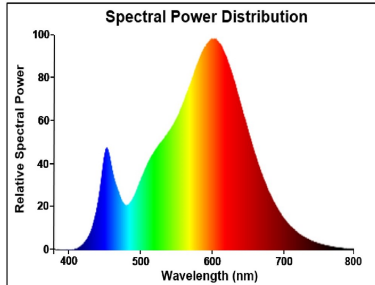
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Product EAN number	5410288291925
Packaging single length / height (cm)	11.5
Packaging single width (cm)	11.5
Packaging single depth (cm)	8.2
DUN14 (outer)	15410288291922
Units per outer package	6
Packaging outer length / height (cm)	35.6
Packaging outer width (cm)	24.0
Packaging outer depth (cm)	9.3

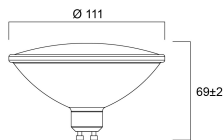
Safety data

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



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SYLVANIA

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13
kWh/1000h



2019/2015

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13
kWh/1000h



2019/2015