

## RefLED ES111 DIM

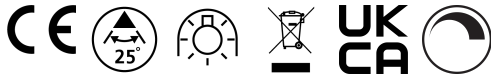
RefLED Retro ES111 V2 1150LM DIM 830 25SL

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### 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
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

Product name	RefLED Retro ES111 V2 1150LM DIM 830 25SL
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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

Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Colour Consistency (SDCM)	6
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
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 Height (mm)	69
Nominal Product Diameter (mm)	111
Weight (kg)	0.17

### Packaging

Single packaging type	Carton
Product EAN number	5410288291925
Packaging single length / height (cm)	11.5
Packaging single width (cm)	11.5
Packaging single depth (cm)	8.2

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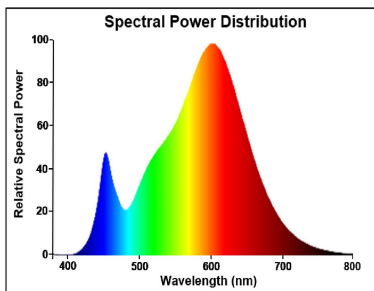
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DUN14 (outer)	15410288291922
Units per outer package	6
Packaging outer length / height (cm)	35.6
Packaging outer width (cm)	24.0
Packaging outer depth (cm)	9.3

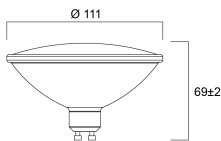
### Safety data

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



# SYLVANIA

RefLED ES111 DIM

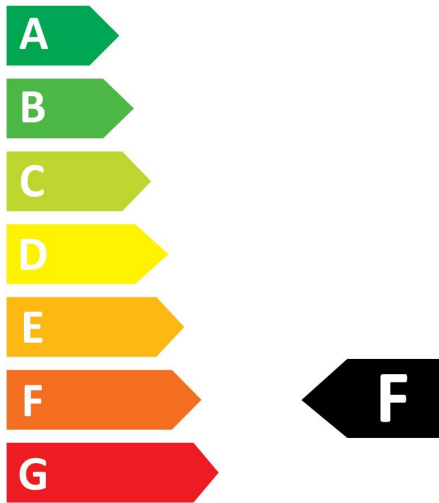
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**SYLVANIA**

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**13**  
kWh/1000h



2019/2015

# SYLVANIA

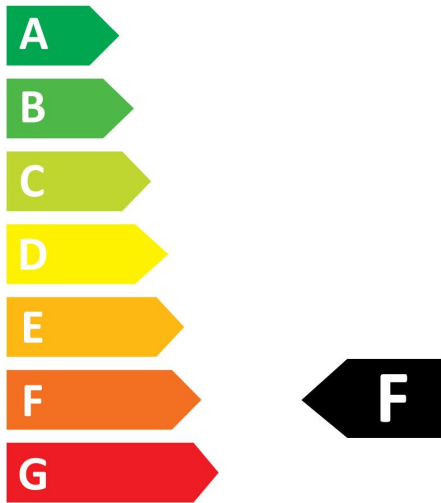
RefLED ES111 DIM

*RefLED Retro ES111 V2 1150LM DIM 830 25SL*

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**13**  
kWh/1000h



2019/2015