

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 Haloeegn 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
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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Watt (Rated) (W)	13
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Operating temperature range (°C)	-20°C...+40°C

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Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4741074
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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
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Control gear required	No
No. Of switching cycles before premature failures	>100000
Dimmable	Yes
Inrush Current (A)	2.3
Inrush Duration (µs)	110
Lamp Energy Label (class)	F
Max. products per 16A C Breaker	182
Max. products 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

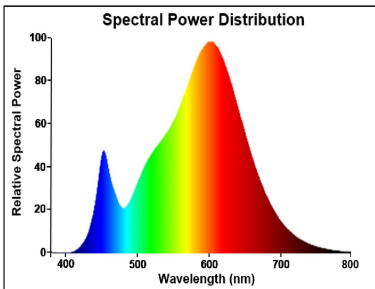
Single packaging type	Carton
Product EAN number	5410288291925
Packaging single length / height (cm)	11.5
Packaging single width (cm)	11.5
Packaging single depth (cm)	8.2

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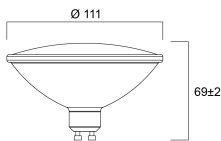
DUN14 (outer)	15410288291922
Units per outer package	6
Packaging outer length / height (cm)	35.6
Packaging outer width (cm)	24.0
Packaging outer depth (cm)	9.3

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

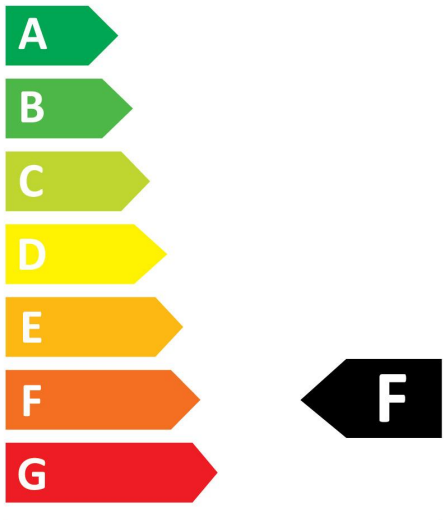


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**ENERG**

SYLVANIA

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13
kWh/1000h

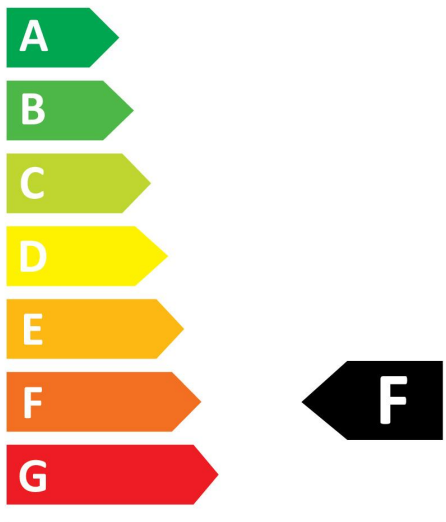


2019/2015

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13
kWh/1000h



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