



## Features

- Direct retrofit replacement for high-pressure mercury vapor lamps (HPMV)
- 50,000 hours average rated lifetime
- Up to 78% energy saving compared to the standard high-pressure mercury vapor lamps
- Mercury-free solution
- Lower maintenance cost
- High lumen efficacy
- Dual operating mode – compatible with HPMV magnetic ballast and also, suitable for AC direct mains 120-240V operation
- High surge voltage protection: 4kV
- Suitable for both open and enclosed luminaires
- Wide light distribution
- High switching cycles – 200,000X
- High colour rendering – CRI80
- Minimum and maximum operating temperature: -30°C to 50°C

## Product Overview

Product name	ToLEDo Performer T85 6800LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	54
Type	LED exchangeable
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
ETIM Class	EC001959
E-number FI	4740741
Luminous flux (lm)	6800
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Photobiological Risk Group	RG1
Wattage (W)	54
Product Voltage (V)	230
Dimmable	No
Average life (Nominal) (h)	50000

## ToLEDo Performer T85 6800LM 840 E40 SL 0028373

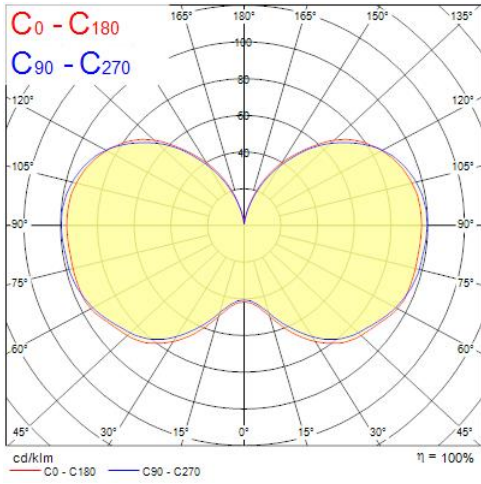
Product EAN number

5410288283739

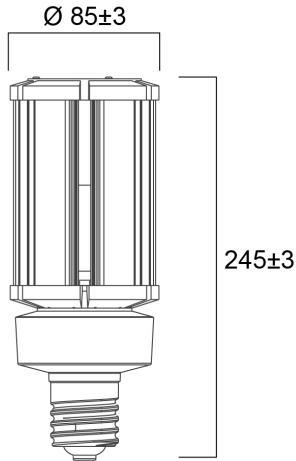
Warranty

5 years

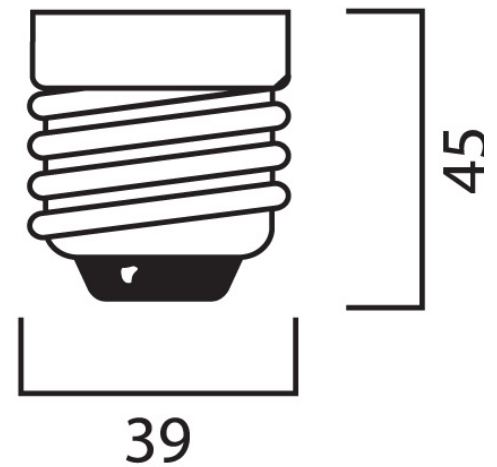
### Photometry



## Technical drawings



E40



## Data table

### GENERAL DATA

Product name	ToLEDo Performer T85 6800LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	54
Type	LED exchangeable
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+50°C
Performance ambient temperature Tq (°C)	25

## ToLEDo Performer T85 6800LM 840 E40 SL 0028373

ETIM Class	EC001959
E-number FI	4740741
Warranty	5 years

### OPTICAL DATA

Luminous flux (lm)	6800
Luminous flux (Rated) (lm)	6800
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Photobiological Risk Group	RG1
Lumen maintenance at end of nominal life (%)	70

### ELECTRICAL DATA

Wattage (W)	54
Starting time (max) (s)	0.5
Warm-up time to 60% of full light (max) (s)	0.5
Product Voltage (V)	230
Lamp power factor	0.95
Control gear required	No
No. Of switching cycles before premature failures	>200000
Transformer required	No
Dimmable	No
Inrush Current (A)	80.6
Inrush Duration ( $\mu$ s)	2
Lamp Energy Label (class)	E
kWh per 1000 hours burning time	54
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 16A C Breaker	28

### LIFETIME DATA

Lifespan L70 B50	50000
Average life (Nominal) (h)	50000
Average life (Rated) (h)	50000

### PHYSICAL DATA

Nominal Product Length (mm)	245
Nominal Product Diameter (mm)	85
Weight (kg)	0.77

### PACKAGING

Single packaging type	Carton
Product EAN number	5410288283739
Packaging single length / height (cm)	27.9
Packaging single width (cm)	9.3
Packaging single depth (cm)	9.3
DUN14 (outer)	15410288283736
Units per outer package	6
Packaging outer length / height (cm)	29.5
Packaging outer width (cm)	20.0
Packaging outer depth (cm)	29.5

### SAFETY DATA

Optimal operating condition (°C)	-20-50
Breakage cleaning instructions	Not applicable
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	Yes
Safety message	Not Suitable for totally enclosed fixtures

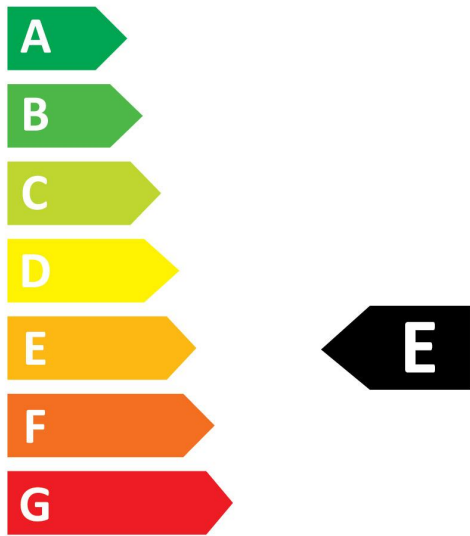
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ToLEDo Performer T85 6800LM 840 E40 SL  
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## Energy label



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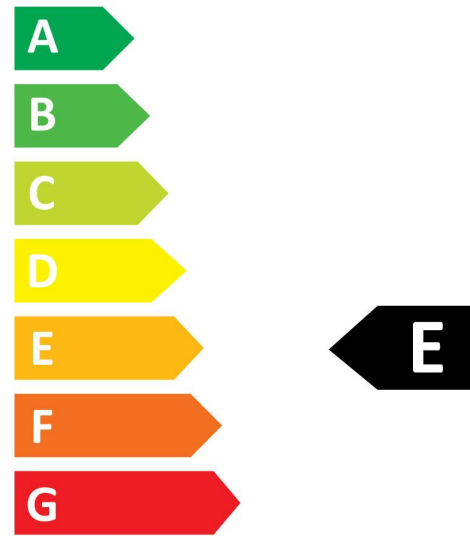
**54**  
kWh/1000h



2019/2015



0028373



**54**  
kWh/1000h



2019/2015