

## ToLEDo Performer T-Series

TOLEDO PERFORMER T130 13000LM 840 E40 SL

0028376



### Product 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 T130 13000LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	110
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
ETIM Class	EC001959
E-number FI	4740743
Warranty	5 years
Luminous flux (lm)	13000
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Beam Angle (°)	360
Wattage (W)	110
Product Voltage (V)	230
Average life (Nominal) (h)	50000
Product EAN number	5410288283760

### DATA TABLE

#### General data

Product name	TOLEDO PERFORMER T130 13000LM 840 E40 SL
Technology	LED
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Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4740743
Warranty	5 years

### Optical data

Luminous flux (lm)	13000
Luminous flux (Rated) (lm)	13000
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Beam Angle (°)	360
Lumen maintenance at end of nominal life (%)	70

### Electrical data

Wattage (W)	110
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
No. Of switching cycles before premature failures	>200000
Inrush Current (A)	142
kWh per 1000 hours burning time	110
Nominal Frequency (Hz)	50/60Hz

### Lifetime data

Average life (Nominal) (h)	50000
Average life (Rated) (h)	50000

### Physical data

Nominal Product Length (mm)	320
Nominal Product Diameter (mm)	130
Weight (kg)	1.85

### Packaging

Single packaging type	Carton
Product EAN number	5410288283760
Packaging single length / height (cm)	17.3
Packaging single width (cm)	35.6
Packaging single depth (cm)	16.1
DUN14 (outer)	15410288283767
Units per outer package	4
Packaging outer length / height (cm)	36.1
Packaging outer width (cm)	34.0
Packaging outer depth (cm)	36.5

## ToLEDo Performer T-Series

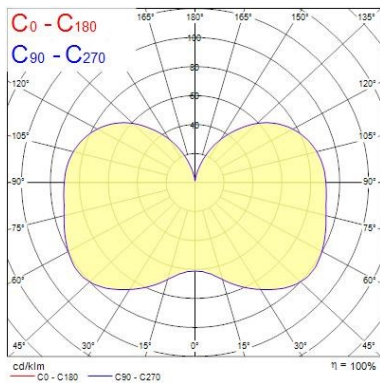
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### Safety data

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

