

## ToLEDo Performer H-Series

TOLEDO PERFORMER H230 15500LM 840 E40 SL

0028378



### Product features

- Direct retrofit replacement for high-pressure mercury vapor lamps (HPMV) • 50,000 hours average rated lifetime • Up to 71% energy saving compared to the standard high-pressure mercury vapor lamps • Detachable 3.5mm jack plug microwave sensor allow to adjust hold-time and standby brightness level • Mercury-free solution • Lower maintenance cost • High lumen efficacy • Dual operating mode - compatible with HPMV magnetic ballast and also, suitable for AC direct mains 220-240V operation • Up and down light distribution • 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

IPC Code	0028378
Product name	TOLEDO PERFORMER H230 15500LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	115
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
Certifications	EUTIE103
ETIM Class	EC001959
E-number FI	4740745
Luminous flux (lm)	15500
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Wattage (W)	115
Product Voltage (V)	230
Average life (Nominal) (h)	50000
Product EAN number	5410288283784

### DATA TABLE

#### General data

IPC Code	0028378
Product name	TOLEDO PERFORMER H230 15500LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	115
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
Operating temperature rated (°C)	25
Certifications	EUTIE103
ETIM Class	EC001959

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E-number FI	4740745
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### Optical data

Luminous flux (lm)	15500
Luminous flux (Rated) (lm)	15500
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Lumen maintenance at end of nominal life (%)	70

### Electrical data

Wattage (W)	115
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)	71.2
Lamp Energy Label (class)	A++
kWh per 1000 hours burning time	115
Nominal Frequency (Hz)	50/60Hz

### Lifetime data

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

### Physical data

Nominal Product Length (mm)	210
Nominal Product Diameter (mm)	230
Weight (kg)	1.7

### Packaging

Single packaging type	Carton
Product EAN number	5410288283784
Packaging single length / height (cm)	23.5
Packaging single width (cm)	25.0
Packaging single depth (cm)	25.0
DUN14 (outer)	15410288283781
Units per outer package	4
Packaging outer length / height (cm)	25.5
Packaging outer width (cm)	52.0
Packaging outer depth (cm)	52.0

### Safety data

Breakage cleaning instructions	Not applicable
Special purpose lamp	No

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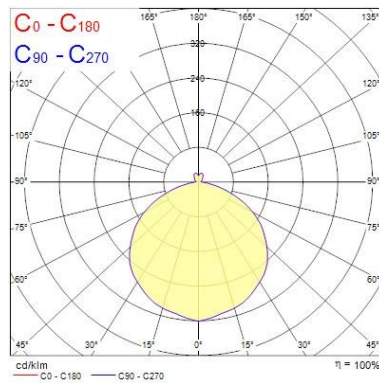
0028378

Dry applications use only	Yes
Suitable for household illumination	Yes
Safety message	Not Suitable for totally enclosed fixtures

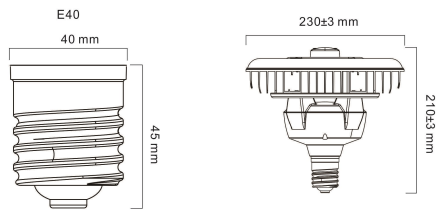
### PHOTOMETRY

Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>10°</sub> [lx]	E <sub>30°</sub> [lx]
0.5	1.58	19690	57.7*	1507
1.0	3.16	4923	57.7*	377
1.5	4.75	2188	57.7*	157
2.0	6.33	1231	57.7*	94
2.5	7.91	738	57.7*	60
3.0	9.49	547	57.7*	42

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 115.4°)



### TECHNICAL DRAWINGS



## ToLEDo Performer H-Series

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