

## 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 lifetimeUp to 71% energy saving compared to the standard high-pressure mercury vapor lampsDetachable 3.5mm jack plug microwave sensor allow to adjust hold-time and standby brightness levelMercury-free solutionLower maintenance costHigh lumen efficacyDual operating mode - compatible with HPMV magnetic ballast and also, suitable for AC direct mains 220-240V operationUp and down light distributionHigh surge voltage protection: 4kVSuitable for both open and enclosed luminairesWide light distributionHigh switching cycles - 200,000XHigh colour rendering - CRI80Minimum and maximum operating temperature: -30°C to 50°C



## PRODUCT OVERVIEW

Product name	ToLEDo Performer H230 15500LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	115
Type	LED exchangeable
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
ETIM Class	EC001959
E-number FI	4740745
Warranty	5 years
Luminous flux (lm)	15500
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Photobiological Risk Group	RG1
Wattage (W)	115
Dimmable	No
Average life (Nominal) (h)	50000
Product EAN number	5410288283784

## DATA TABLE

### General data

Product name	ToLEDo Performer H230 15500LM 840 E40 SL
Technology	LED
Watt (Rated) (W)	115
Type	LED exchangeable
Cap/Base	E40
Fixture rating	Open
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+50°C

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Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959
E-number FI	4740745
Warranty	5 years

### Optical data

Luminous flux (lm)	15500
Luminous flux (Rated) (lm)	15500
Colour temperature (K)	4000
Light colour	Cool White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM6
Photobiological Risk Group	RG1
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
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	1
Control gear required	No
No. Of switching cycles before premature failures	>200000
Dimmable	No
Inrush Current (A)	71.2
Inrush Duration (µs)	2
Lamp Energy Label (class)	E
Nominal Frequency (Hz)	50/60Hz
Max. products per 16A C Breaker	12

### Lifetime data

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

### Physical data

Nominal Product Length (mm)	210
Nominal Product Diameter (mm)	230
Weight (kg)	1.766

### Packaging

Single packaging type	Carton
Product EAN number	5410288283784
Packaging single length / height (cm)	25.0

## ToLEDo Performer H-Series

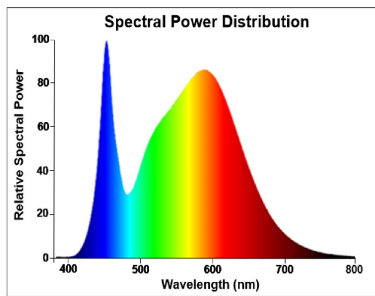
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Packaging single width (cm)	25.0
Packaging single depth (cm)	23.5
DUN14 (outer)	15410288283781
Units per outer package	4
Packaging outer length / height (cm)	53.6
Packaging outer width (cm)	52.5
Packaging outer depth (cm)	26.3

### Safety data

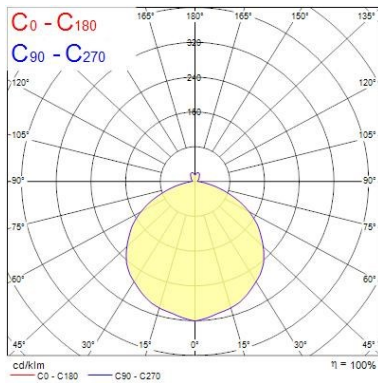
Optimal operating condition (°C)	-20-50
Breakage cleaning instructions	Not applicable
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	Yes
Safety message	Not Suitable for totally enclosed fixtures

## PHOTOMETRY



0.5	1.58	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	19990 1501
1.0	3.16	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	4923 377
1.5	4.75	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	2180 167
2.0	6.33	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	1231 94
2.5	7.91	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	798 60
3.0	9.49	E <sub>10</sub> <sup>(0)</sup> E <sub>10</sub> <sup>(C)</sup>	547 42

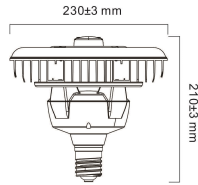
Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 115.4°)



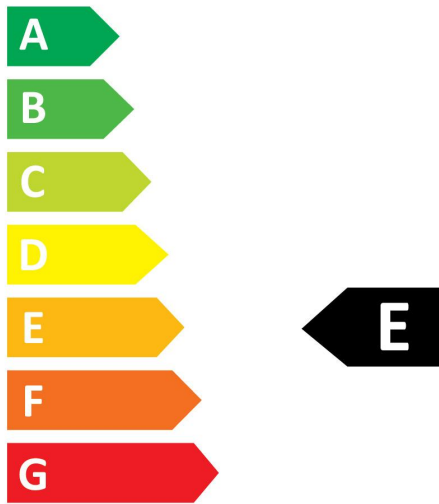
## TECHNICAL DRAWINGS

## ToLEDo Performer H-Series

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**115**  
kWh/1000h



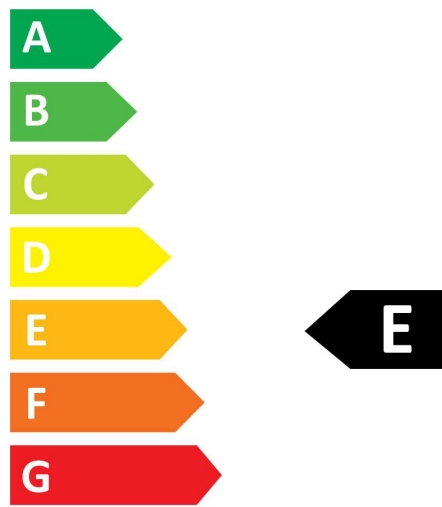
2019/2015

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**115**  
kWh/1000h



2019/2015