



TrueForce - LED HID HPL



TForce LED HPL ND 57-42W E27 830

MASTER, LED HPL, Corncob, EM/Mains, 42 W, HPL 125W, SON 70W, E27, 3000 K, 5700 lm, CRI 80, 50000 hour(s)

MASTER, LED HPL, Corncob, EM/Mains, 42 W, LED alternative to HPL 125W, SON 70W, E27, 3000 K, 5700 lm, CRI 80, 50000 hour(s), 135 lm/W, EEL D, PF 0.95, Beam angle 360 degree(s), Plastic, RG1, IP65, SVM 1.6, PstLM 1

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions
- <https://www.assets.signify.com/is/content/Signify/phl-led-hid-eu-compatibility-list-professional>

Product data

General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27		135 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED HPL	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG1
Warranty period	8 years		
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	360 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	5,700 lm	Power Consumption	42 W
Color Designation	White (WH)	Lamp Current (Nom)	186 mA
Correlated Color Temperature (Nom)	3000 K	Starting Time (Nom)	0.45 s
		Warm-up time to 60% light	0.45 s
		Power Factor (Fraction)	0.95

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Voltage (Nom)	220-240 V
Inrush current at mains	6.3
Max. lamp no. on MCB B type 10A - Mains	30
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	30
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	7
Max. lamp no. on MCB B type 16A - Mains	48
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	48
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	11
Wattage Equivalent (LED HID only)	HPL 125W, SON 70W
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	65 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Bulb Shape	Corncob
Net Weight (Piece)	0.365 kg

Approval and Application

Energy Efficiency Class	D
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Energy Saving Product	Yes
Energy Consumption kWh/1000 h	42 kWh
EPREL Registration Number	403603
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

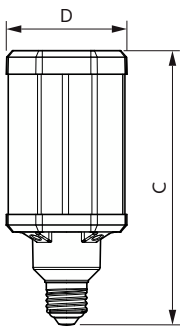
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce LED HPL ND 57-42W E27 830
Full product name	TForce LED HPL ND 57-42W E27 830
Full product code	871869963822100
Order code	929002006502
Material Nr. (12NC)	929002006502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699638221
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699638238

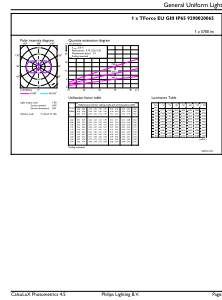
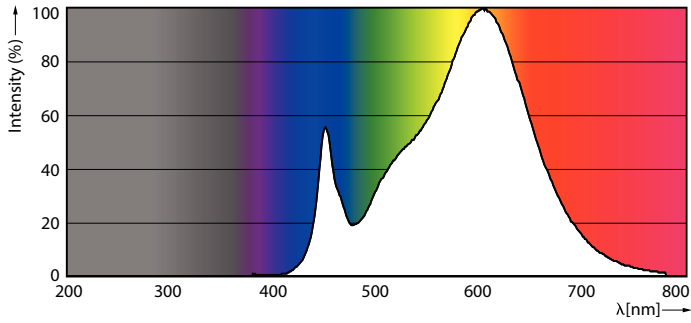
Dimensional drawing



Product	D	C
TForce LED HPL ND 57-42W E27 830	84 mm	178 mm

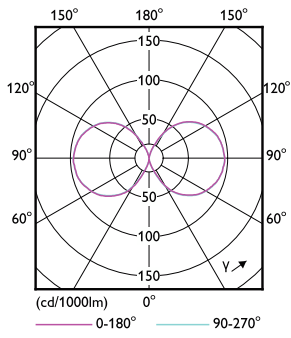
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Photometric data



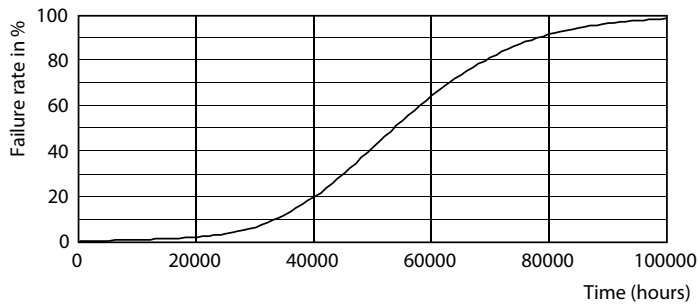
Spectral Power Distribution Colour - TForce LED HPL ND 57-42W E27 830

General uniform lighting - TForce LED HPL ND 57-42W E27 830

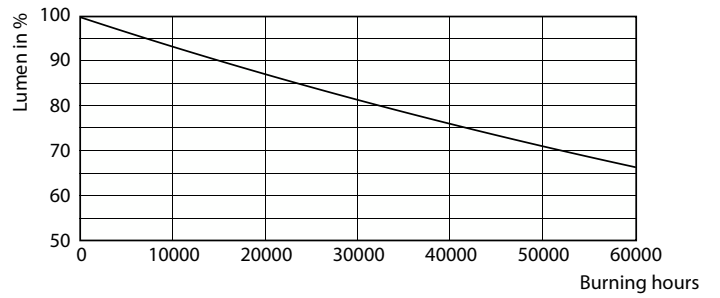


Light Distribution Diagram - TForce LED HPL ND 57-42W E27 830

Lifetime



LEDTrueForce Others 360



Lumen Maintenance Diagram - TForce LED HPL ND 57-42W E27 830

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