PHILIPS

Lighting



CorePro LEDtube InstantFit HF T5

CorePro LEDtube HF 600mm HE 7.1W 830T5

CorePro LEDtube InstantFit HF T5 is the quick and easy way to replace T5 fluorescent tubes with a fast payback time. Designed with industry leading ballast compatibility, the product is ideal for your everyday lighting jobs. With simply plug-and-play installation, it improves energy efficiency immediately and lasts for longer than conventional T5.

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	1,000 lm
Luminous Efficacy (rated) (Nom)	140 lm/W
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Input Frequency	30K to 100K Hz
Power Consumption	7.1 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	40-70 V
LED alternative to fluorescent lamp power	14 W
Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-

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Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	HF

Temperature

Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	45 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T5

Approval and Application

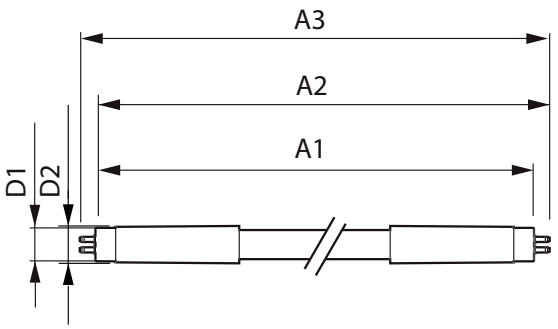
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1880103
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	CorePro LEDtube HF 600mm HE 7.1W 830T5
Full product name	CorePro LEDtube HF 600mm HE 7.1W 830T5
Full product code	872016929540700
Order code	929003774102
Material Nr. (12NC)	929003774102
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.085 kg
EAN/UPC - Product/Case	8720169295407
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169295414

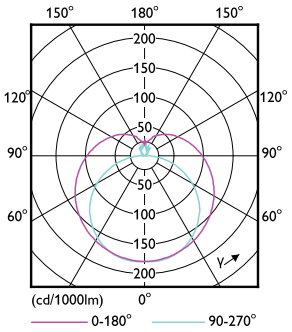
Dimensional drawing



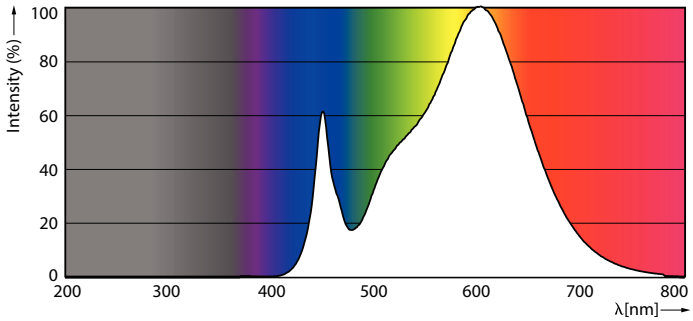
Product
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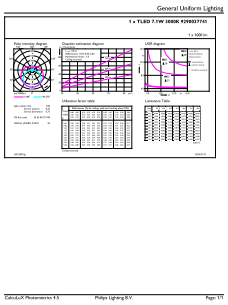
Photometric data



Light Distribution Diagram - CorePro LEDtube HF 600mm HE 7.1W 830T5

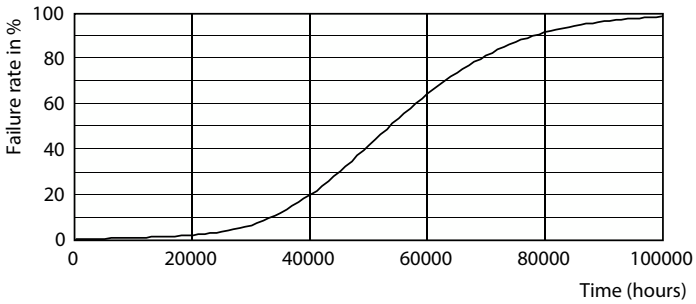


Spectral Power Distribution Colour - CorePro LEDtube HF 600mm HE 7.1W 830T5

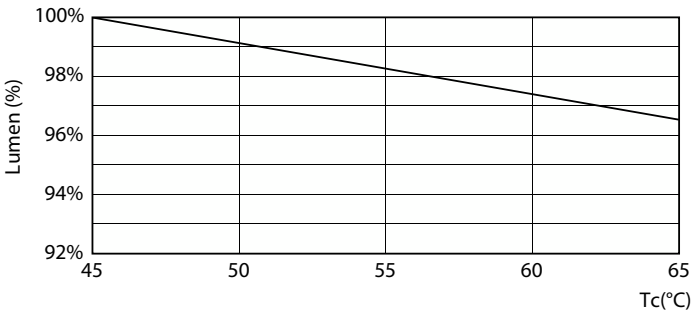


General uniform lighting - CorePro LEDtube HF 600mm HE 7.1W 830T5

Lifetime



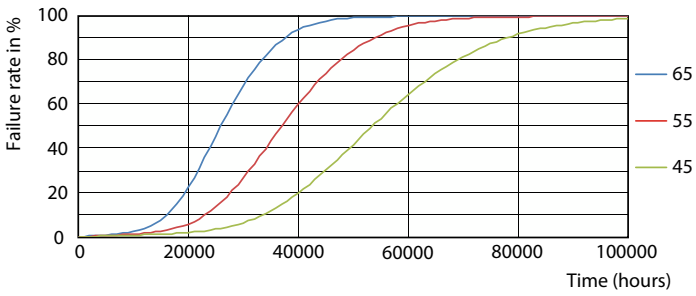
Life Expectancy Diagram



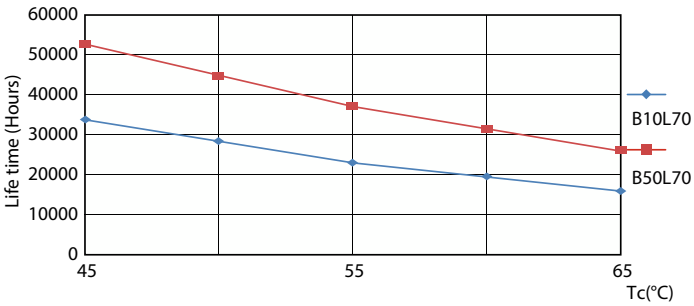
Lumen Maintenance Diagram - CorePro LEDtube HF 600mm HE 7.1W 830T5

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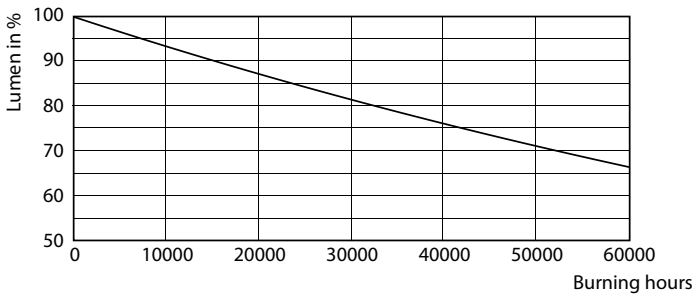
Lifetime



FailureRate



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube HF 600mm HE 7.1W 830T5

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