CorePro LEDtube InstantFit HF T5

CorePro LEDtube HF 1500mm HE 20.5W 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

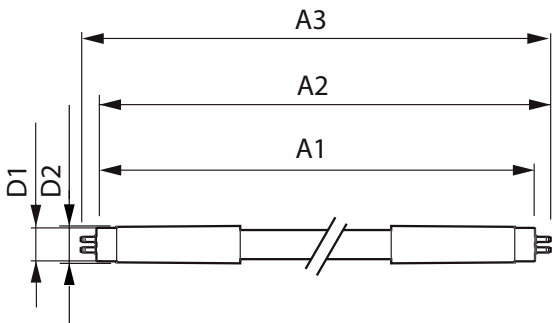|	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	2,800 lm
Luminous Efficacy (rated) (Nom)	136 lm/W
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical

Input Frequency	30K to 100K Hz
Power Consumption	20.5 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)	80-130 V
LED alternative to fluorescent lamp power	35 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	1,500 mm
Bulb Shape	T5

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	21 kWh

EPREL Registration Number	1880101
Energy Efficiency Class	E
CE mark	Yes
EU RoHS compliant	Yes

Product Data

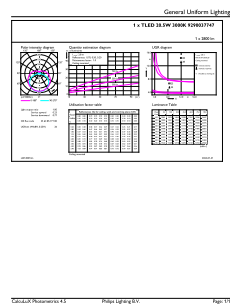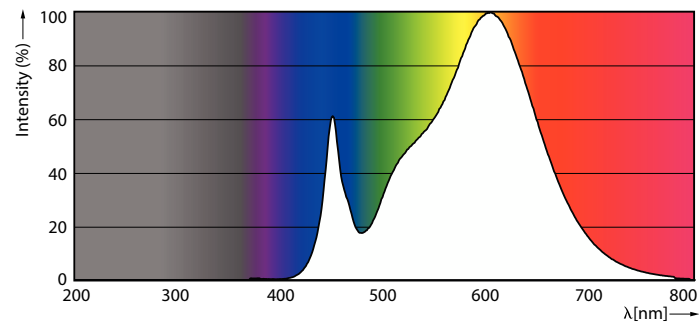|	
Order product name	CorePro LEDtube HF 1500mm HE 20.5W 830T5
Full product name	CorePro LEDtube HF 1500mm HE 20.5W 830T5
Full product code	872016929552000
Local code description	CPLTHE2015830HF
Order code	929003774702
Material Nr. (12NC)	929003774702
Local order code	CPLTHE2015830HF
Net Weight (Piece)	0.196 kg
EAN/UPC – Product/Case	8720169295520
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169295537

Dimensional drawing

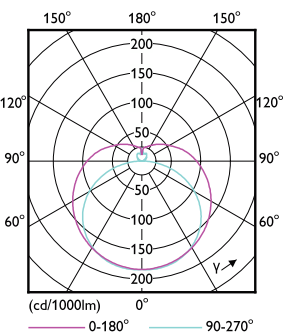| Product |
|---|
| CorePro LEDtube HF 1500mm HE 20.5W 830T5 |

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Photometric data

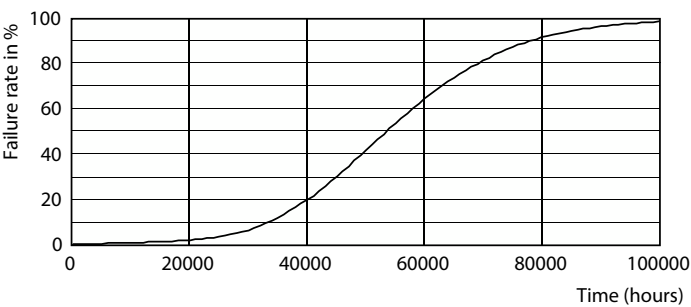**General uniform lighting – CorePro LEDtube HF 1500mm HE 20.5W 830T5**

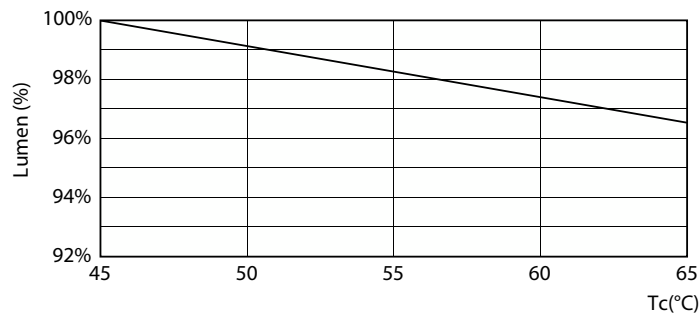**Spectral Power Distribution Colour – CorePro LEDtube HF 1500mm HE 20.5W 830T5**

Light Distribution Diagram – CorePro LEDtube HF 1500mm HE 20.5W 830T5
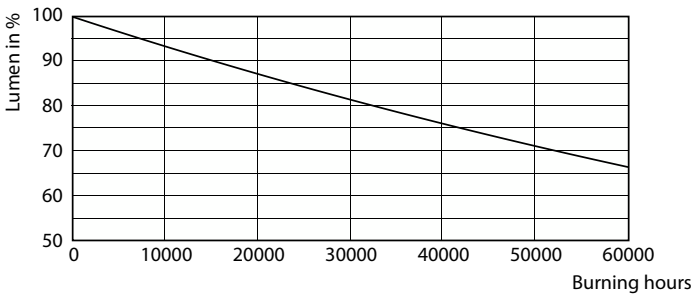
Lifetime

Life Expectancy Diagram

Lumen Maintenance Diagram – CorePro LEDtube HF 1500mm HE 20.5W 830T5

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Lifetime

FailureRate

LifetimeVsTc

Lumen Maintenance Diagram – CorePro LEDtube HF 1500mm HE 20.5W 830T5

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2024, April 24 – data subject to change