PHILIPS

Lighting



CorePro LEDtube InstantFit HF T5



CorePro LEDtube HF 1500mm HE 20.5W 840T5

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 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	200 degree(s)
Luminous Flux	3,000 lm
Luminous efficacy (rated) (nom.)	146 lm/W
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Input frequency	30 K to 100 K 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

Lamp Finish	Frosted
Bulb material	Glass
Product length	1,500 mm
Bulb shape	T5

Approval and Application

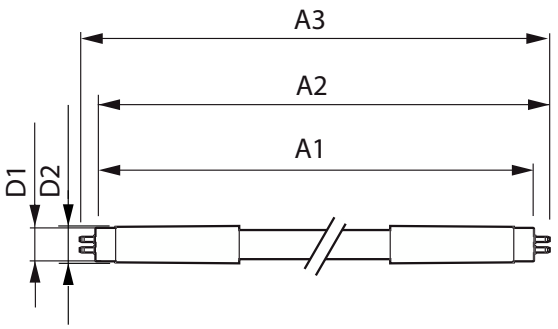
Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate

Energy consumption kWh/1,000 hours	21 kWh
EPREL registration number	1880097
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	CorePro LEDtube HF 1500mm HE 20.5W 840T5
Full product name	CorePro LEDtube HF 1500mm HE 20.5W 840T5
Full EOC	872016929554400
Order code	29554400
Material no. (12 NC)	929003774802
Numerator – quantity per pack	1
Net Weight (Piece)	0.196 kg
EAN/UPC — Product/Case	8720169295544
Numerator – packs per outer box	10
EAN/UPC - Case	8720169295551

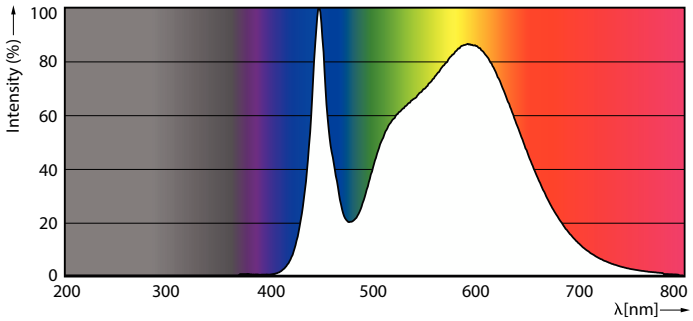
Dimensional drawing



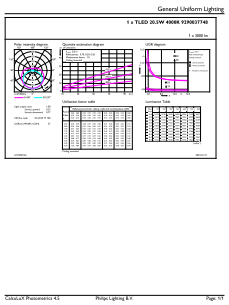
Product
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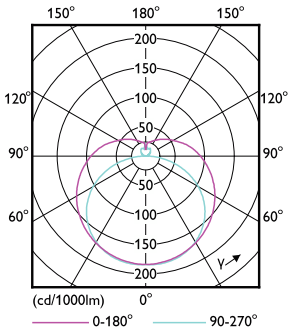
Photometric data



Spectral Power Distribution Colour - CorePro LEDtube HF 1500mm HE 20.5W 840T5

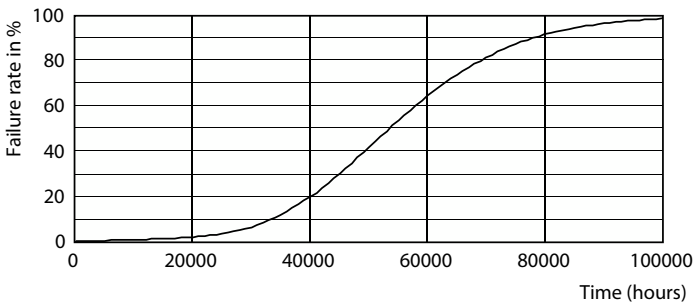


General uniform lighting - CorePro LEDtube HF 1500mm HE 20.5W 840T5

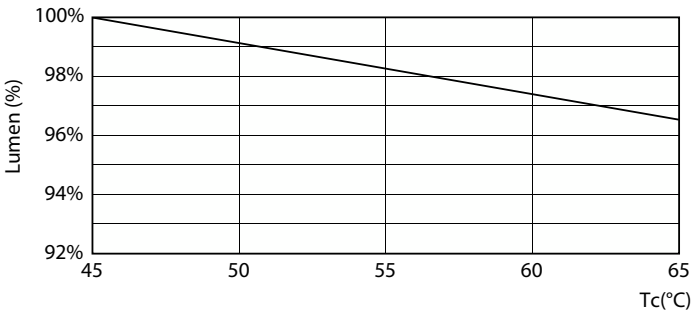


Light Distribution Diagram - CorePro LEDtube HF 1500mm HE 20.5W 840T5

Lifetime



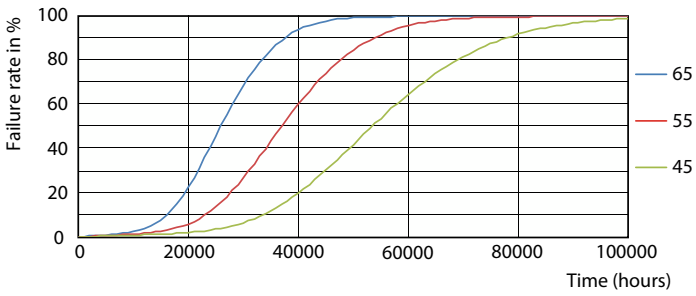
Life Expectancy Diagram



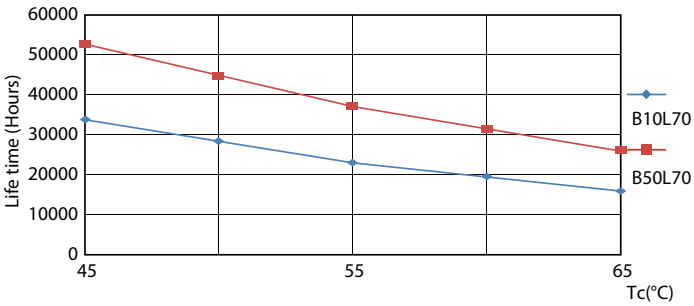
Lumen Maintenance Diagram - CorePro LEDtube HF 1500mm HE 20.5W 840T5

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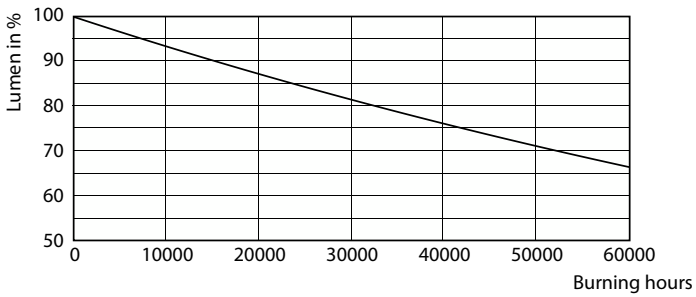
Lifetime



FailureRate



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LEDtube HF 1500mm HE 20.5W 840T5

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