



LED tube Connected EM/Mains T8

LEDtube Connected IA 1200mm 15.6W865 T8

Connected, LEDtube, T8, EM/Mains, 1200 mm, 220-240 V, 15.6 W, 36W TL-D, 6500 K, 2500 lm, CRI 80, 75000 hour(s)

Philips LEDtube Connected - smart retrofit LED T8 lamps that give you an easy and seamless way to upgrade to connected lighting. These Interact Ready LED tubes can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy additional benefits such as remote control or a management dashboard, you can simply keep the lamps you currently have installed and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Product data

General Information	
Cap-Base	G13 Rotatable end-cap
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years
Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight

Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RGO
Sustainability Data	
Product non-virgin material ratio	8.41 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	15.6 W

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Lamp Current (Nom)	73 mA
Starting Time (Nom)	1 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	6.53
Max. lamp no. on MCB B type 10A – Mains	113
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	113
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	22
Max. lamp no. on MCB B type 16A – Mains	180
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	180
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	35
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	50 °C
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Controls and Dimming

Dimmable	Wireless Dim
Connectivity	Interact Ready

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.250 kg

Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate ENEC certificate
Energy Consumption kWh/1000 h	16 kWh
EPREL Registration Number	2301308
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

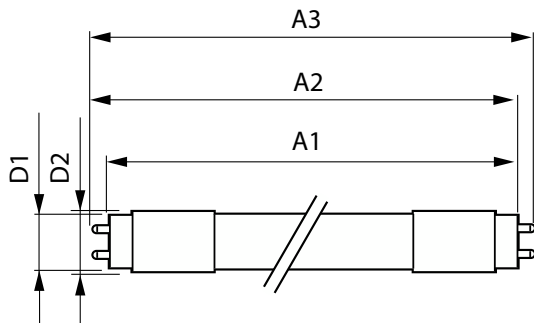
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	LEDtube Connected IA 1200mm 15.6W865 T8
Full product name	LEDtube Connected IA 1200mm 15.6W865 T8
Full product code	872110306315100
Order code	929004270802
Material Nr. (12NC)	929004270802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103063151
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103063168

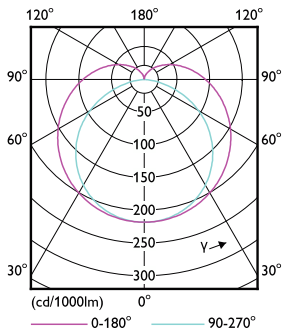
Dimensional drawing



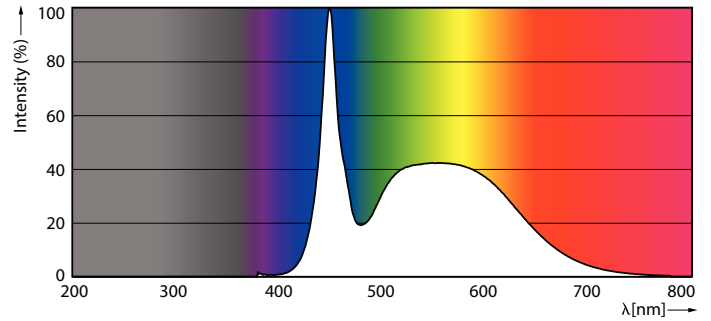
Product	D1	D2	A1	A2	A3
LEDtube Connected IA 1200mm 15.6W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

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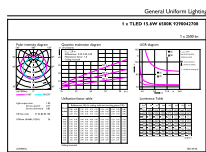
Photometric data



Light Distribution Diagram - LEDtube Connected IA 1200mm 15.6W865 T8



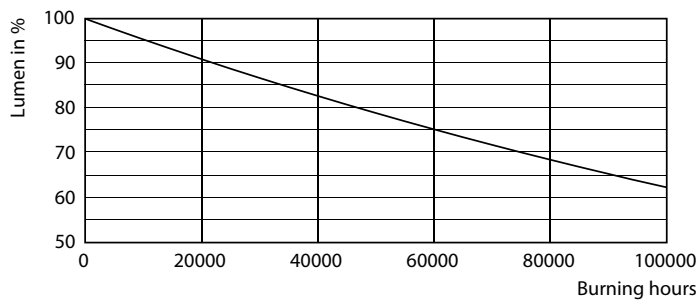
Spectral Power Distribution Colour - LEDtube Connected IA 1200mm 15.6W865 T8



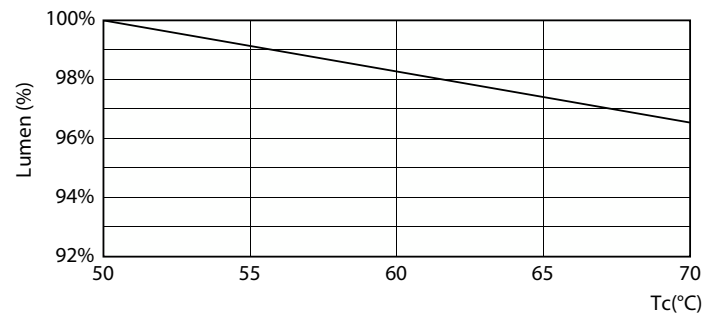
General Uniform Lighting Page 11

General uniform lighting - LEDtube Connected IA 1200mm 15.6W865 T8

Lifetime



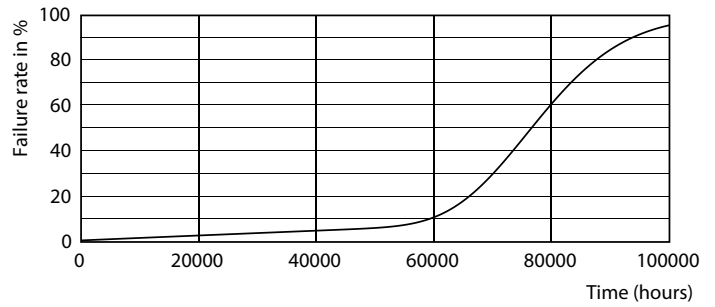
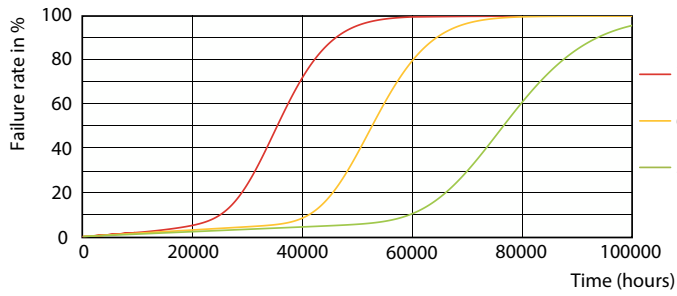
Lumen Maintenance Diagram - LEDtube Connected IA 1200mm 15.6W865 T8



Lumen Maintenance Diagram - LEDtube Connected IA 1200mm 15.6W865 T8

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Lifetime



LEDtube-75K-5070-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

