



# LEDtube Connected EM/mains T8



## LEDtube Connected IA 1500mm 23.1W840 T8

Connected, LED, T8, EM/Mains, 1500 mm, 23.1 W, 58W TL-D, 4000 K, 3700 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 ROT
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	5 years
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	3,700 lm
Color Designation	Cool White (CW)

Correlated Color Temperature (Nom)	4000 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
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	23.1 W
Lamp Current (Nom)	108 mA
Starting Time (Nom)	1 s
Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	58W TL-D
Inrush current at mains	7.1
Max. lamp no. on MCB B type 10A – Mains	78
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	78
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
Max. lamp no. on MCB B type 16A – Mains	125
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	125
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	24
Ballast Compatibility	EM/Mains

Temperature

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

Dimmable	Wireless Dim
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,500 mm
Bulb Shape	T8
Net Weight (Piece)	0.290 kg

Approval and Application

Energy Efficiency Class	C
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Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate ENEC certificate
Energy Consumption kWh/1000 h	24 kWh
EPREL Registration Number	2301310
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
Product non-virgin material ratio	8.3 %

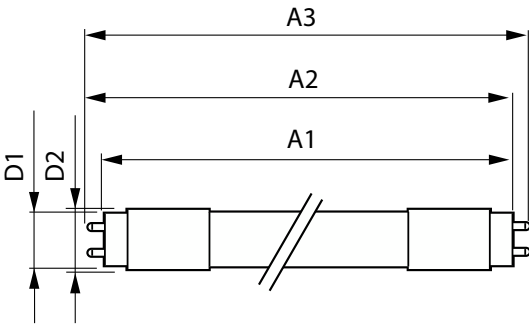
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	LEDtube Connected IA 1500mm 23.1W840 T8
Full product name	LEDtube Connected IA 1500mm 23.1W840 T8
Full product code	872110306317500
Order code	06317500
Material Nr. (12NC)	929004270902
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8721103063175
Numerator – Packs per outer box	10
EAN/UPC – Case	8721103063182

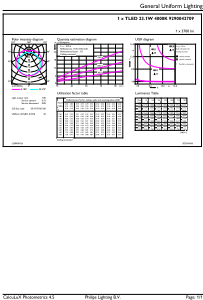
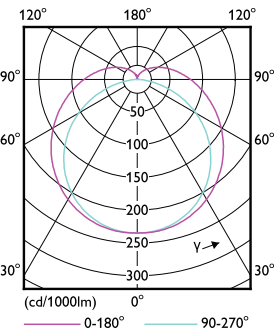
Dimensional drawing



Product	D1	D2	A1	A2	A3
LEDtube Connected IA 1500mm 23.1W840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

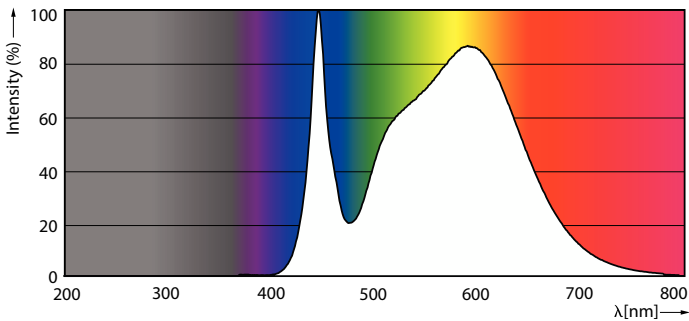
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## Photometric data



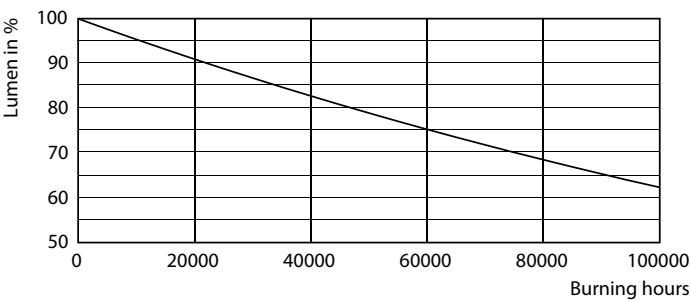
Light Distribution Diagram - LEDtube Connected IA 1500mm 23.1W840 T8

General uniform lighting - LEDtube Connected IA 1500mm 23.1W840 T8

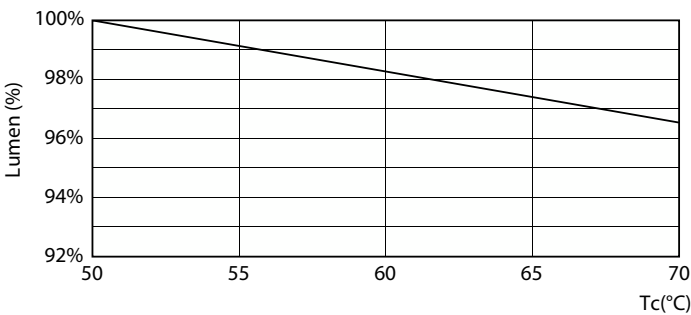


Spectral Power Distribution Colour - LEDtube Connected IA 1500mm 23.1W840 T8

## Lifetime



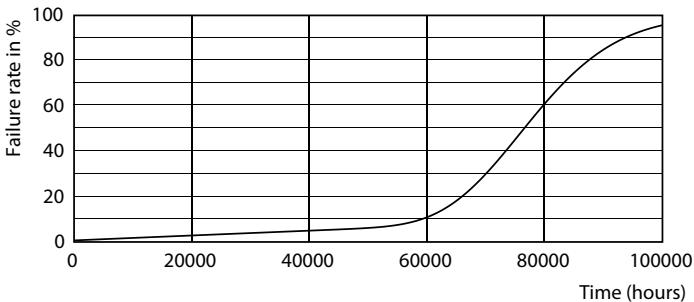
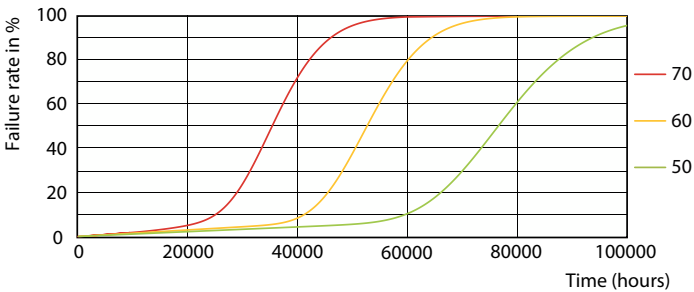
Lumen Maintenance Diagram - LEDtube Connected IA 1500mm 23.1W840 T8



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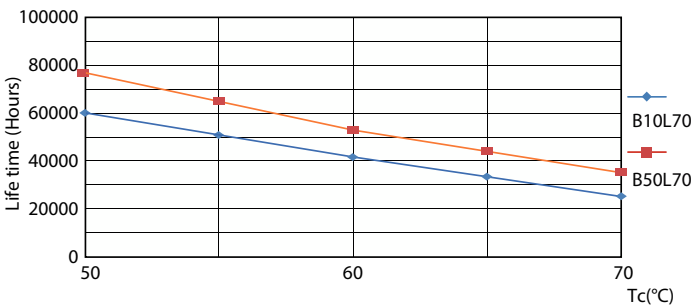
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Lifetime



LEDtube-75K-5070-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

