PHILIPS

Lighting

LED tube Connected EM/Mains T8

LEDtube Connected IA 1500mm 23.1W865 T8

Connected, LEDtube, T8, EM/Mains, 1500 mm, 220-240 V, 23.1 W, 58W TL-D, 6500 K, 3700 lm, CRI 80, 75000 hour(s)

Connected, LEDtube, T8, EM/Mains, 1500 mm, 220-240 V, 23.1 W, LED alternative to 58W TL-D, 6500 K, 3700 lm, CRI 80, 75000 hour(s), 160 lm/W, EEL C, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 1500 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

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	3,700 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	RG0

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
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

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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

Controls and Dimming

Dimmable	Wireless Dim
Connectivity	Interact Ready

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
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	2301313
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
Wireless Technology	Not applicable

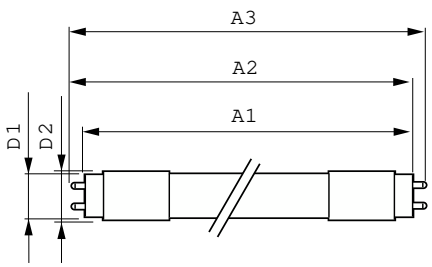
Sustainability Data

Product non-virgin material ratio	8.3 %

Product Data

Order product name	LEDtube Connected IA 1500mm 23.1W865 T8
Full product name	LEDtube Connected IA 1500mm 23.1W865 T8
Full product code	872110306319900
Order code	929004271002
Material Nr. (12NC)	929004271002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103063199
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103063205

Dimensional drawing



D1	D2	A1	A2	A3
25.7mm	28mm	1500mm	1507.1mm	1514.2mm

Product	D1	D2	A1	A2	A3
LEDtube Connected IA 1500mm 23.1W865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

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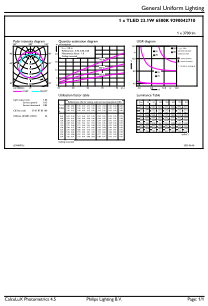
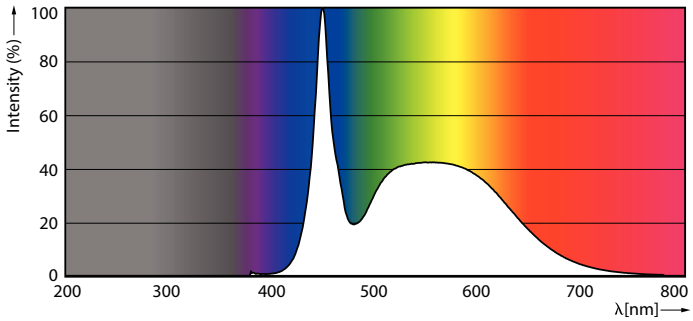
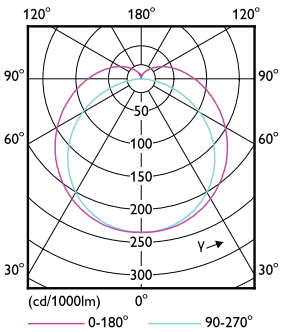
Photometric data



General uniform lighting - LEDtube Connected IA 1500mm 23.1W865 T8

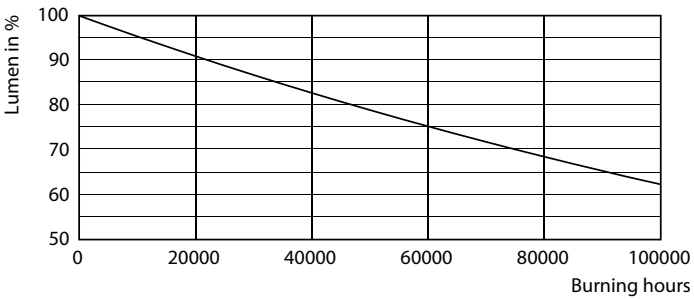


Spectral Power Distribution Colour - LEDtube Connected IA 1500mm 23.1W865 T8

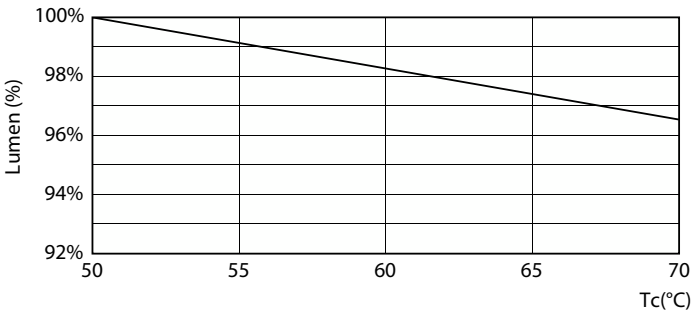


Light Distribution Diagram - LEDtube Connected IA 1500mm 23.1W865 T8

Lifetime



Lumen Maintenance Diagram - LEDtube Connected IA 1500mm 23.1W865 T8



Lumen Maintenance Diagram - LEDtube Connected IA 1500mm 23.1W865 T8

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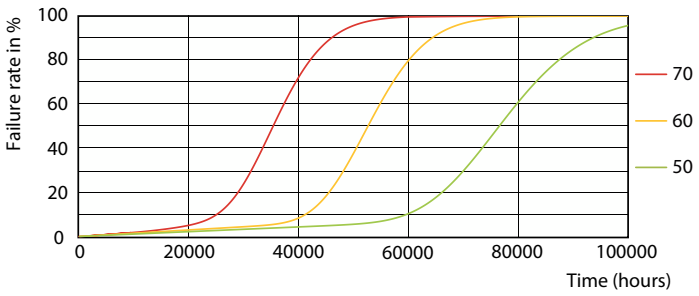
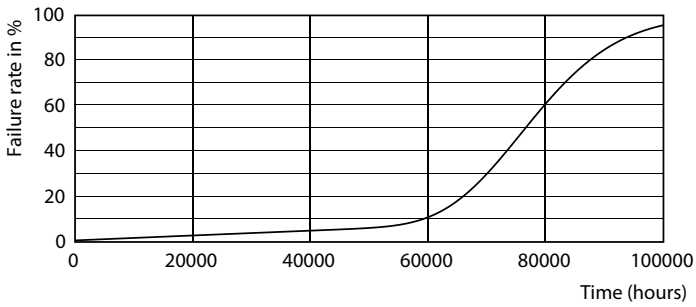
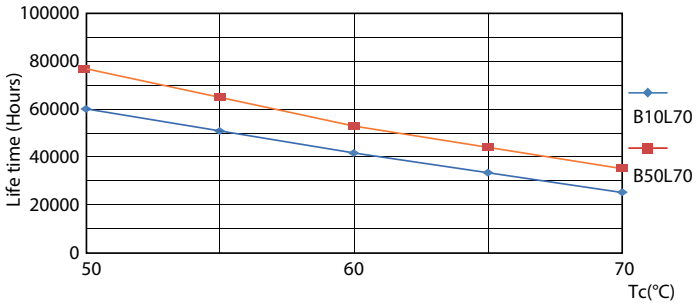
Lifetime



LEDtube-75K-5070-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

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