PHILIPS

Lighting

LED tube Connected EM/Mains T8

LEDtube Connected IA 600mm 7.6W840 T8

Connected, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 7.6 W, 18W TL-D, 4000 K, 1150 lm, CRI 80, 75000 hour(s)

Connected, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 7.6 W, LED alternative to 18W TL-D, 4000 K, 1150 lm, CRI 80, 75000 hour(s), 151 lm/W, EEL D, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 600 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	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,150 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	151 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	7.6 W
Lamp Current (Nom)	36 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	18W TL-D
Inrush current at mains	5.07
Max. lamp no. on MCB B type 10A - Mains	235
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	235

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	22
Max. lamp no. on MCB B type 16A - Mains	376
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	376
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	36
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	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.150 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate ENEC certificate
Energy Consumption kWh/1000 h	8 kWh

EPREL Registration Number	2301309
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

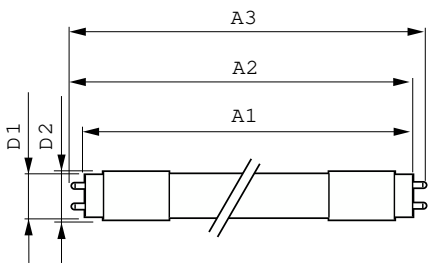
Sustainability Data

Product non-virgin material ratio	9.63 %

Product Data

Order product name	LEDtube Connected IA 600mm 7.6W840 T8
Full product name	LEDtube Connected IA 600mm 7.6W840 T8
Full product code	872110306309000
Order code	929004270502
Material Nr. (12NC)	929004270502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103063090
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103063106

Dimensional drawing



D1	D2	A1	A2	A3
25.7mm	28mm	589.8mm	596.9mm	604mm

Product	D1	D2	A1	A2	A3
LEDtube Connected IA 600mm 7.6W840 T8	25.7 mm	28 mm	589.8 mm	596.9 mm	604 mm

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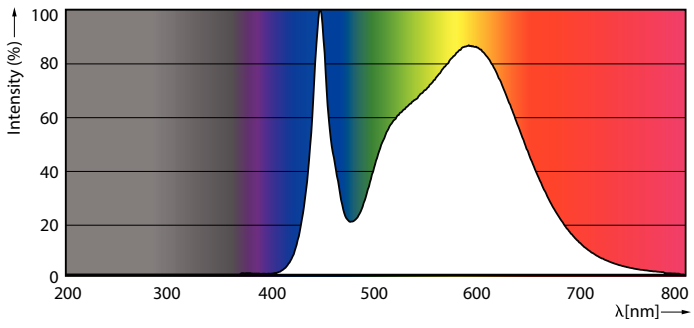
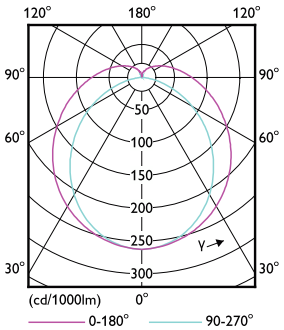
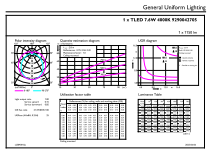
Photometric data



Spectral Power Distribution Colour - LEDtube Connected IA 600mm 7.6W840 T8

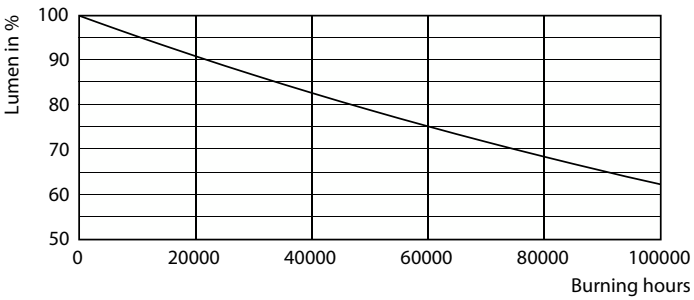


Light Distribution Diagram - LEDtube Connected IA 600mm 7.6W840 T8

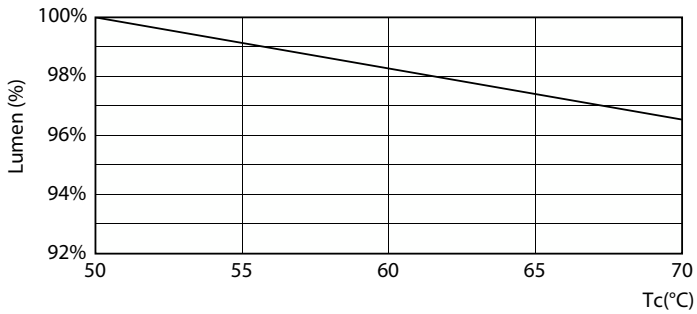


General uniform lighting - LEDtube Connected IA 600mm 7.6W840 T8

Lifetime



Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W840 T8



Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W840 T8

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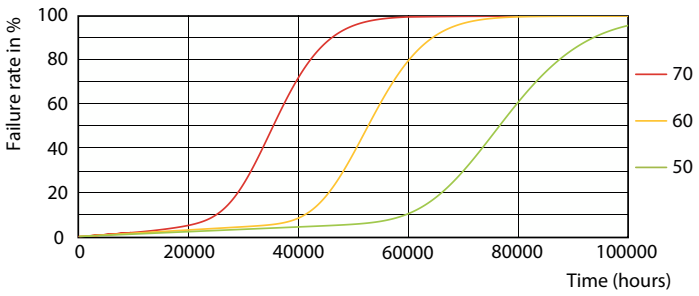
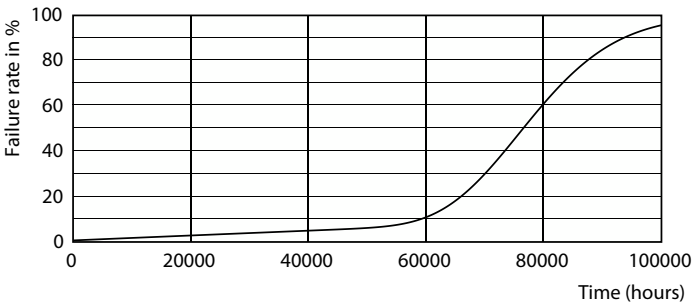
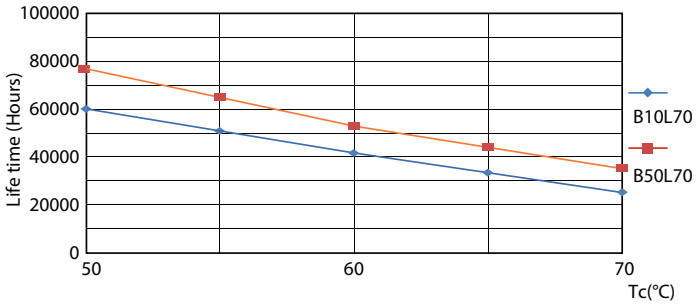
Lifetime



LEDtube-75K-5070-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

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