



MASTER LEDtube EM/ Mains T8

MASTER LEDtube 1500mm HO 18.2W 830 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

• -

Product data

General Information	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,900 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	159 lm/W

Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	0.2
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18.2 W
Lamp Current (Max)	93 mA
Lamp Current (Min)	77 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

MASTER LEDtube EM/Mains T8

LED alternative to fluorescent lamp power	58 W
Max. lamp no. on MCB B type 10A – Mains	80
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	80
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	10
Max. lamp no. on MCB B type 16A – Mains	130
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	135
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	16

Temperature

Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	131 °F

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	59-1/16 inch
Bulb Shape	T8

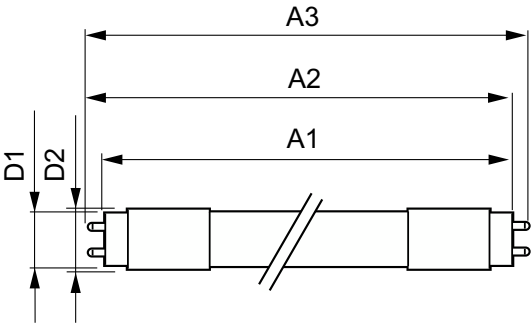
Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	1206969

Product Data

Order product name	MAS LEDtube 1500mm HO 18.2W 830 T8
Full product name	MASTER LEDtube 1500mm HO 18.2W 830 T8
Full product code	871869959241700
Order code	347617
Material Nr. (12NC)	929001922902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699592417
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699592424

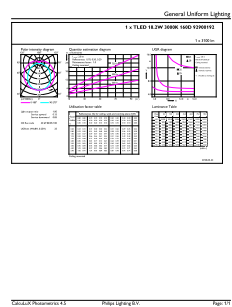
Dimensional drawing



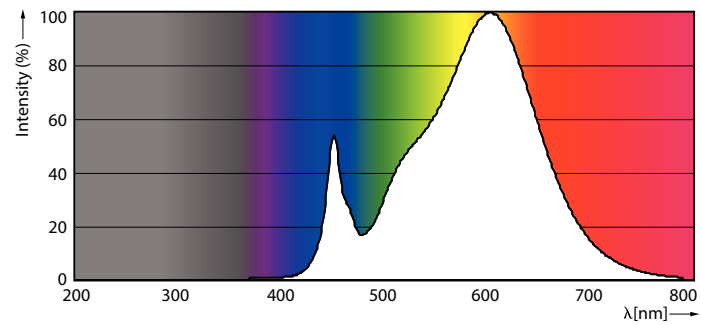
Product	D1	D2	A1	A2	A3
MAS LEDtube	1-1/16 inch	1-1/8 inch	59-1/16 inch	59-5/16 inch	59-9/16 inch
1500mm HO 18.2W					
830 T8					

MASTER LEDtube EM/Mains T8

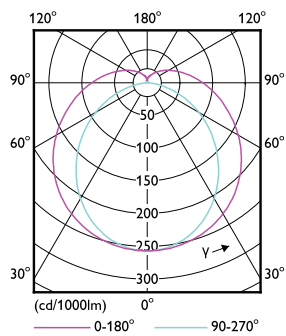
Photometric data



General uniform lighting - MAS LEDtube 1500mm HO 18.2W 830 T8

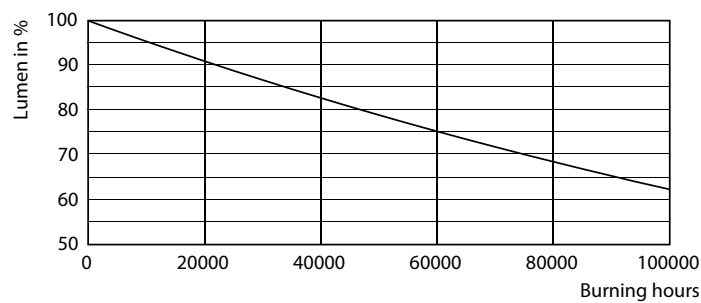


Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 18.2W 830 T8

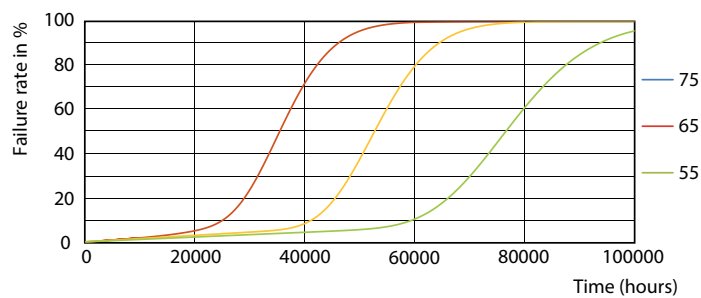


Light Distribution Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8

Lifetime



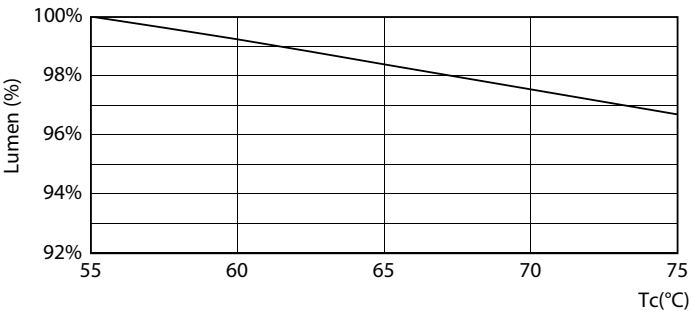
Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



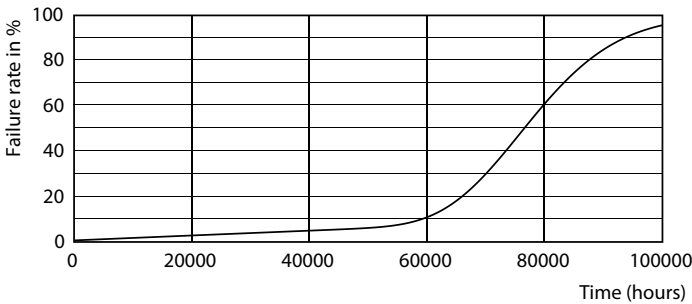
Life Expectancy Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8

MASTER LEDtube EM/Mains T8

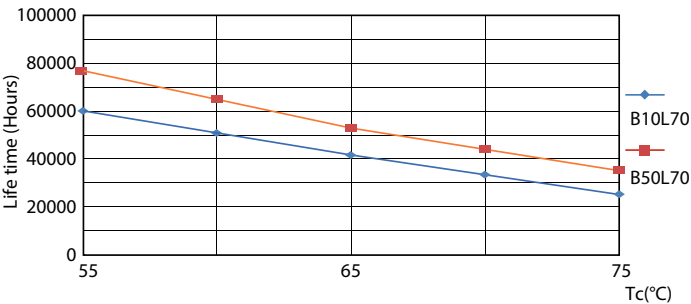
Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



Life Expectancy Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



Life Expectancy Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8

