



# MasterConnect T8

## 14.5T8/48-840/MF21/MC IA 10/1

MasterConnect, LEDtube, T8, 1200 mm, 14.5 W, 4000 K, 2100 lm, 70000 hour(s)

Introducing MasterConnect LED lamps - smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps 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 further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps 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

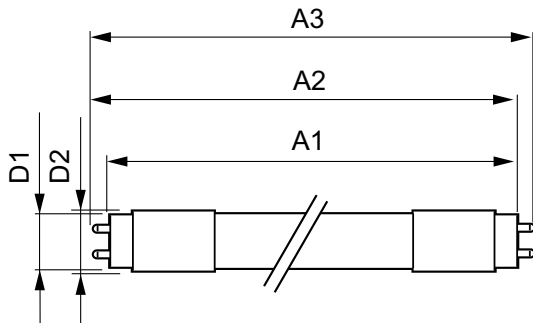
General Information		Color rendering index (CRI)		82
Cap-Base	G13 Rotatable end-cap	LLMF At End Of Nominal Lifetime (Nom)		70 %
Nominal lifetime	70,000 hour(s)	Operating and Electrical		
Switching Cycle	50,000	Line Frequency	50 to 60 Hz	
Lighting Technology	LEDtube	Input Frequency	50 to 60 Hz	
Light Technical		Power Consumption	14.5 W	
Color Code	840 [CCT of 4000K]	Lamp Current (Max)	125 mA	
Beam Angle (Nom)	160 degree(s)	Lamp Current (Min)	59 mA	
Luminous Flux	2,100 lm	Wattage Equivalent	32 W	
Color Designation	Cool White (CW)	Starting Time (Nom)	1 s	
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s	
Luminous Efficacy (rated) (Nom)	144.00 lm/W	Power Factor (Fraction)	0.9	
Color Consistency	<6	Voltage (Nom)	120-277 V	

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UL Type	UL Type B
<b>Temperature</b>	
T-Case Maximum (Nom)	45 °C
<b>Controls and Dimming</b>	
Dimmable	Wireless Dim
Connectivity	Interact Ready
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

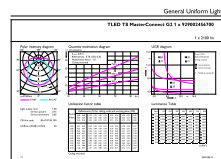
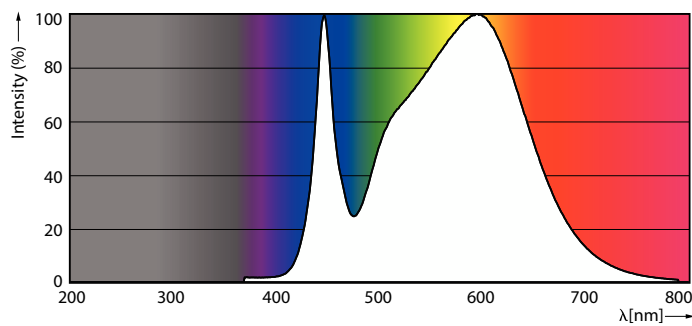
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C
<b>Application Conditions</b>	
can it be used in closed luminaires	Yes
<b>Product Data</b>	
Order product name	14.5T8/48-840/MF21/MC IA 10/1
Full product name	14.5T8/48-840/MF21/MC IA 10/1
Order code	929002456704
Material Nr. (12NC)	929002456704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677562748
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677562743

## Dimensional drawing



Product	D1	D2	A1	A2	A3
14.5T8/48-840/MF21/MC IA 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

## Photometric data

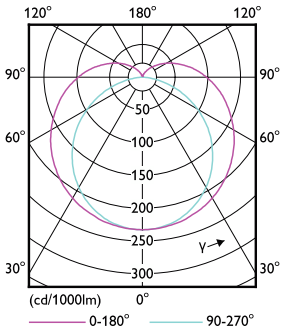


Spectral Power Distribution Colour - 14.5T8/48-840/MF21/MC IA 10/1

General uniform lighting - 14.5T8/48-840/MF21/MC IA 10/1

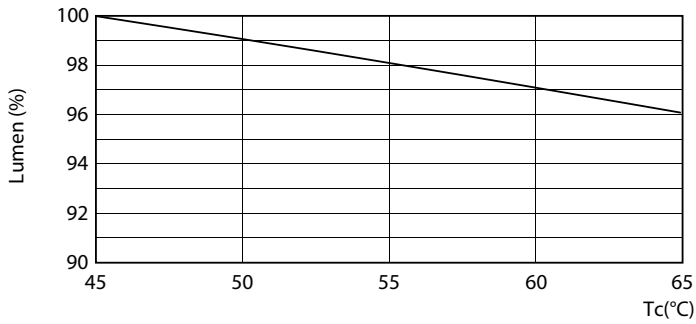
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## Photometric data

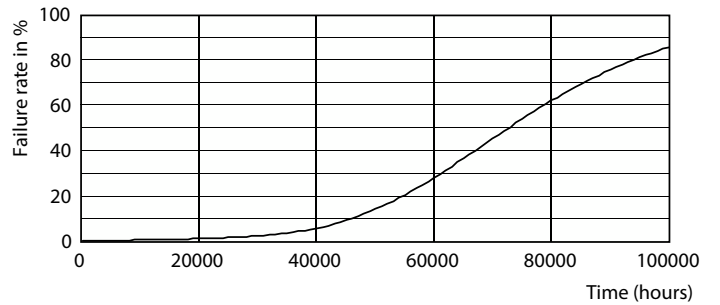


Light Distribution Diagram - 14.5T8/48-840/MF21/MC IA 10/1

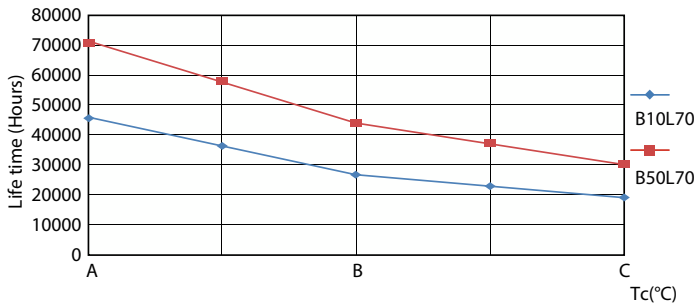
## Lifetime



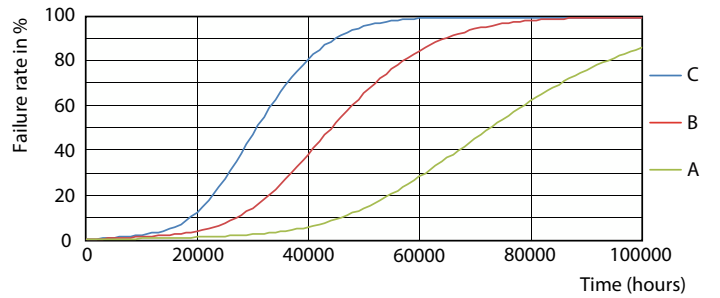
Lumen Maintenance Diagram - 14.5T8/48-840/MF21/MC IA 10/1



Life Expectancy Diagram



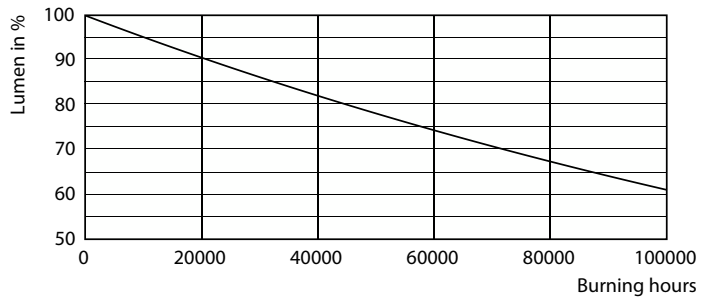
LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

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## Lifetime



Lumen Maintenance Diagram - 14.5T8/48-840/MF21/MC IA 10/1

