



# MasterConnect T8

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

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		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	<b>Operating and Electrical</b>	
Nominal lifetime	70,000 hour(s)	Line Frequency	50 to 60 Hz
Switching Cycle	50,000	Input Frequency	50 to 60 Hz
Lighting Technology	LED	Power Consumption	14.5 W
EU RoHS compliant	Yes	Lamp Current (Max)	125 mA
<b>Light Technical</b>		Lamp Current (Min)	59 mA
Color Code	840 [CCT of 4000K]	Wattage Equivalent	32 W
Beam Angle (Nom)	160 degree(s)	Starting Time (Nom)	1 s
Luminous Flux	2,100 lm	Warm-up time to 60% light	0.5 s
Color Designation	Cool White (CW)	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	4000 K	Voltage (Nom)	120-277 V
Luminous Efficacy (rated) (Nom)	144.00 lm/W	UL Type	UL Type B
Color Consistency	<6	<b>Temperature</b>	
Color rendering index (CRI)	82	Ambient temperature range	-4 °F to 113 °F

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T-Case Maximum (Nom)	113 °F
<b>Controls and Dimming</b>	
Dimmable	Wireless Dim
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

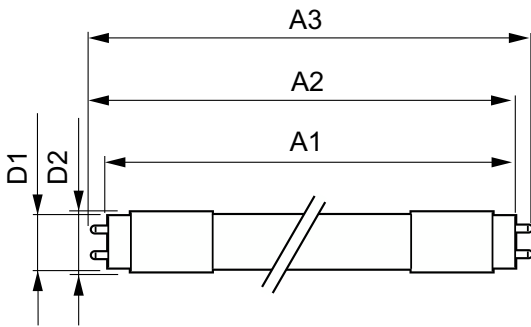
## Application Conditions

can it be used in closed luminaires Yes

## Product Data

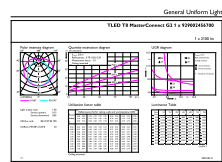
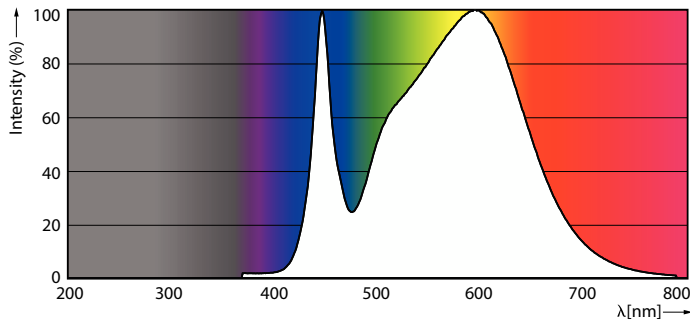
Order product name	14.5T8/48-840/MF21/MC IA 10/1
Full product name	14.5T8/48-840/MF21/MC IA 10/1
Order code	562744
Material Nr. (12NC)	929002456704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677562748
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677562743

## Dimensional drawing



Product	D1	D2	A1	A2	A3
14.5T8/48-840/MF21/MC IA 10/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

## Photometric data

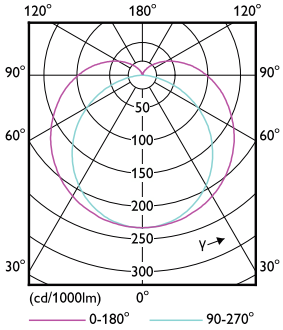


Spectral Power Distribution Colour - 14.5T8/48-840/MF21/MC IA 10/1

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

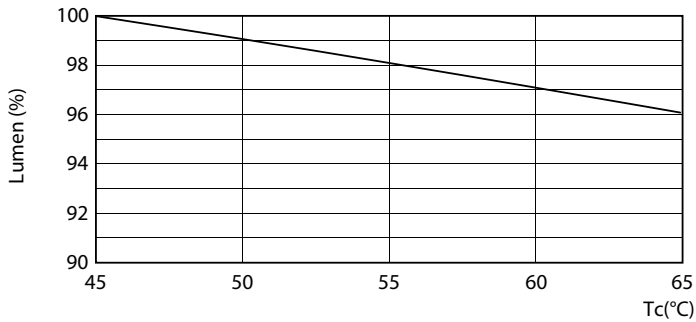
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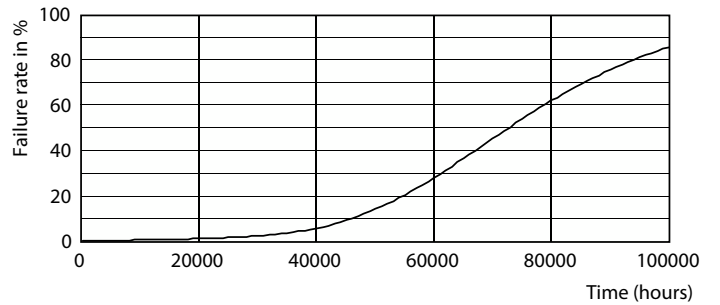


Light Distribution Diagram - 14.5T8/48-840/MF21/MC IA 10/1

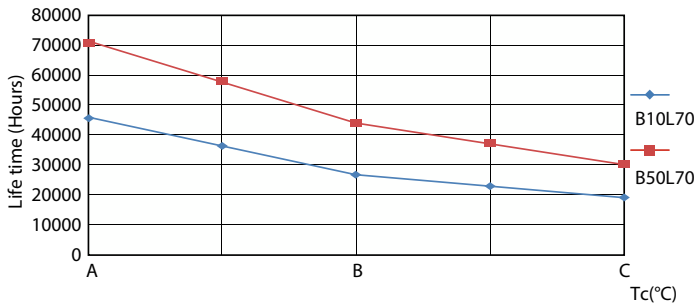
## Lifetime



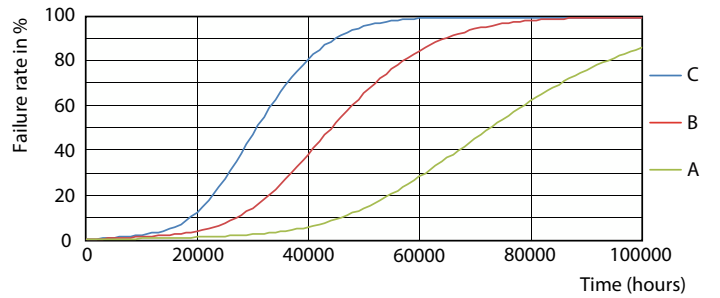
Lumen Maintenance Diagram - 14.5T8/48-840/MF21/MC IA 10/1



Life Expectancy Diagram - 14.5T8/48-840/MF21/MC IA 10/1



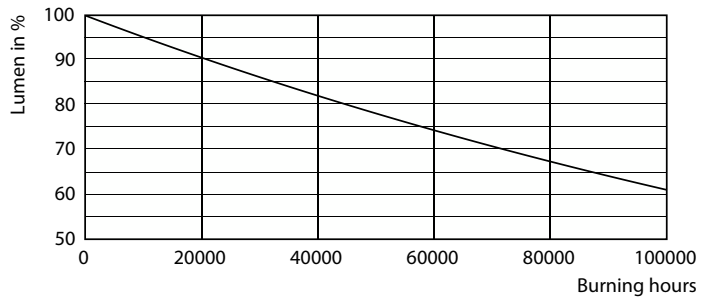
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## Lifetime



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

