

MasterConnect T8

15T8/24-840/IF21-6U/MAScon 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

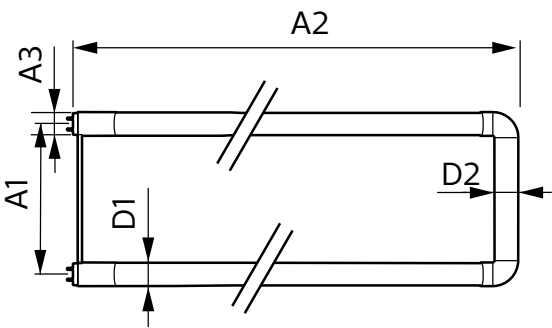
Operating and Electrical	
Line Frequency	40000-80000 Hz
Input Frequency	40000-80000 Hz
Power Consumption	15 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	120 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	160-380 V
Temperature	
Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	104 °F
Controls and Dimming	
Dimmable	Wireless Dim

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Mechanical and Housing	
Product Length	23-5/8 inch
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh
Energy Certifications	DLC Standard

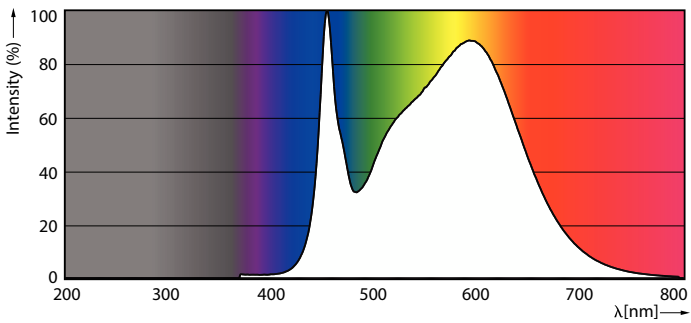
Product Data	
Order product name	15T8/24-840/IF21-6U/MAScon IA 10/1
Full product name	15T8/24-840/IF21-6U/MAScon IA 10/1
Order code	537233
Material Nr. (12NC)	929001398264
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677537234
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677537239

Dimensional drawing

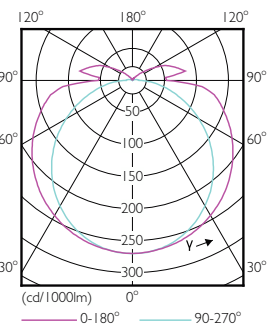


Product	D1	D2	B	A1	D
15T8/24-840/IF21-6U/MAScon IA 10/1	1 inch	1-1/8 inch	6 inch	22-1/2 inch	1-1/8 inch

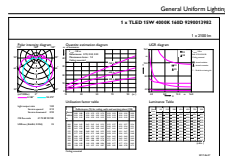
Photometric data



Spectral Power Distribution Colour - 15T8/24-840/IF21-6U/MAScon IA 10/1



Light Distribution Diagram - 15T8/24-840/IF21-6U/MAScon IA 10/1



Cellulose Sulfonates 4.5	Polys Laboratories, Inc.	Exp.
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Lifetime

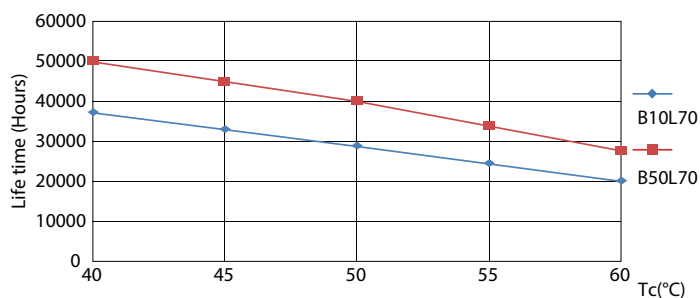
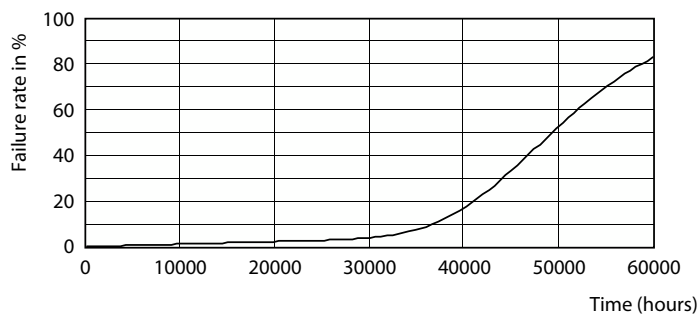


Figure 10 is a line graph showing the failure rate (%) versus time (hours) for three different temperatures: 40°C (green line), 50°C (red line), and 60°C (blue line). The failure rate increases over time for all temperatures, with higher temperatures leading to a faster increase in failure rate. The 60°C curve reaches 100% failure rate around 45,000 hours, while the 40°C curve reaches approximately 80% failure rate at 60,000 hours.

Time (hours)	Failure rate (%) at 40°C	Failure rate (%) at 50°C	Failure rate (%) at 60°C
0	0	0	0
10,000	0	0	0
20,000	0	2	10
30,000	5	15	65
40,000	20	55	95
50,000	50	85	100
60,000	80	95	100

Life Expectancy Diagram - 15T8/24-840/IF21-6U/MAScon IA 10/1

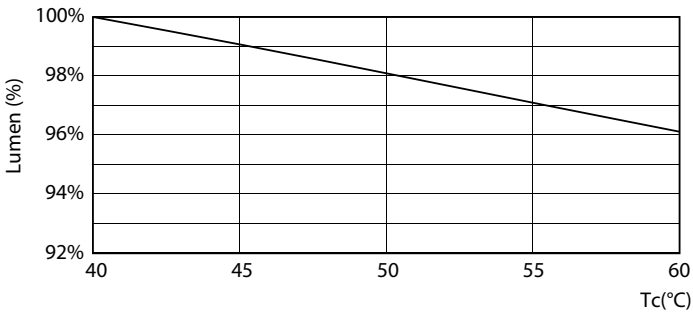


Burning hours	Lumen in %
0	100
10000	93
20000	86
30000	79
40000	72
50000	65
60000	60

Lumen Maintenance Diagram - 15T8/24-840/IF21-6U/MAScon IA 10/1

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Lifetime



Lumen Maintenance Diagram - 15T8/24-840/IF21-6U/MAScon IA 10/1

