MasterConnect T8

14T8/48-840/IF21/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)	150.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	14 W
Lamp Current (Max)	240 mA
Lamp Current (Min)	130 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277, 347 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	40 °C

Controls and Dimming	
Dimmable	Wireless Dim

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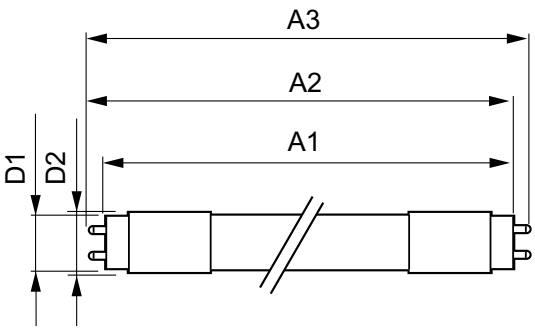
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

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

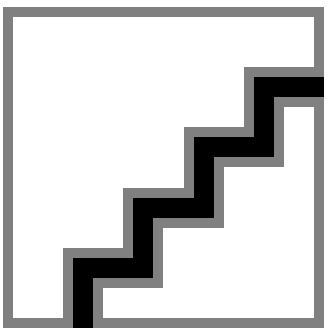
Product Data	
Order product name	14T8/48-840/IF21/MAScon IA 10/1
Full product name	14T8/48-840/IF21/MAScon IA 10/1
Order code	929001281364
Material Nr. (12NC)	929001281364
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677537197
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677537192

Dimensional drawing

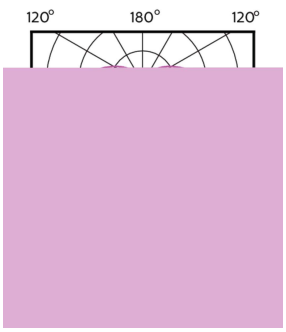


Product	D1	D2	A1	A2	A3
14T8/48-840/IF21/MAScon IA 10/1	25.7 mm	26.3 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



Spectral Power Distribution Colour - 14T8/48-840/IF21/MAScon IA 10/1



Light Distribution Diagram - 14T8/48-840/IF21/MAScon IA 10/1

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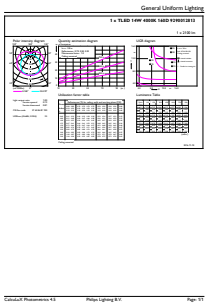
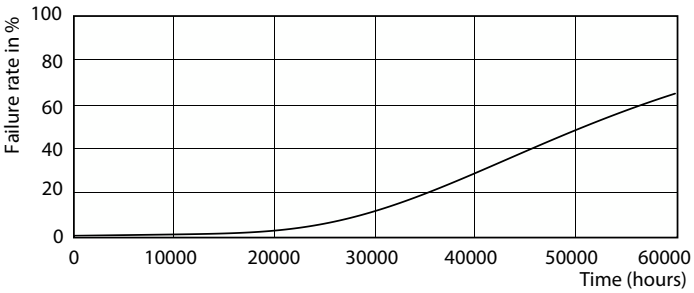
Photometric data

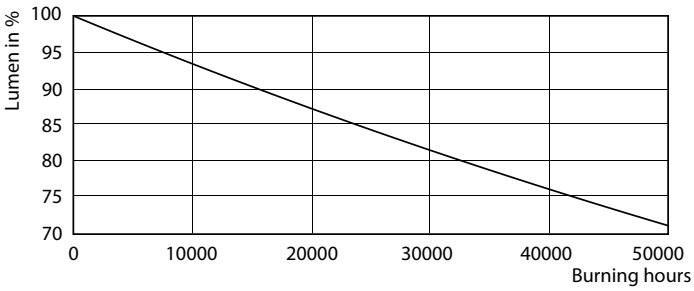


General uniform lighting - 14T8/48-840/IF21/MAScon IA 10/1

Lifetime



Life Expectancy Diagram - 14T8/48-840/IF21/MAScon IA 10/1



Lumen Maintenance Diagram - 14T8/48-840/IF21/MAScon IA 10/1

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