MasterClass InstantFit (UL Type-A) T8

8.9T8/MAS/48-830/IF15/P/DIM 10/1

The MasterClass InstantFit T8 lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect. Other lamps claim compatibility but only MasterClass InstantFit (UL Type A) has been proven to work with over 200 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the MasterClass InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system. With available 70,000 hour life, 7-year limited warranty and a shatter-prevention polycarbonate lens, Philips MasterClass InstantFit TLED lamps deliver benefits for all.

Product data

General Information

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical

Color Code	830 [CCT of 3000K]

Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,500 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	168 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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Operating and Electrical

Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	8.9 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	90 mA
Wattage Equivalent	32 W
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
UL Type	UL Type A

Temperature

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

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic

Product Length	1,200 mm
Bulb Shape	T8

Approval and Application

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	8.9T8/MAS/48–830/IF15/P/DIM 10/1
Full product name	8.9T8/MAS/48–830/IF15/P/DIM 10/1
Order code	929003025304
Material Nr. (12NC)	929003025304
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677565589
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677565584

Dimensional drawing
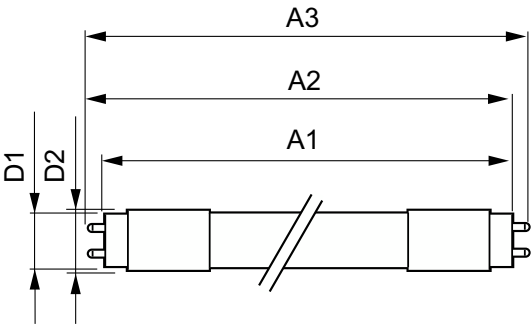
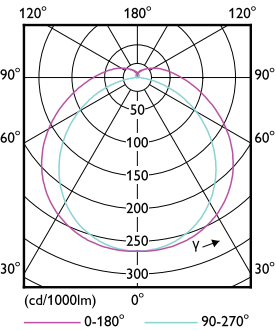| Product	D1	D2	A1	A2	A3
8.9T8/MAS/48–830/IF15/P/DIM 10/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

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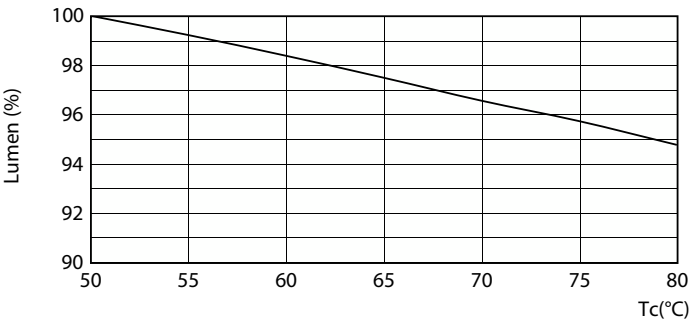
Photometric data
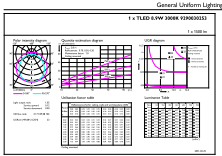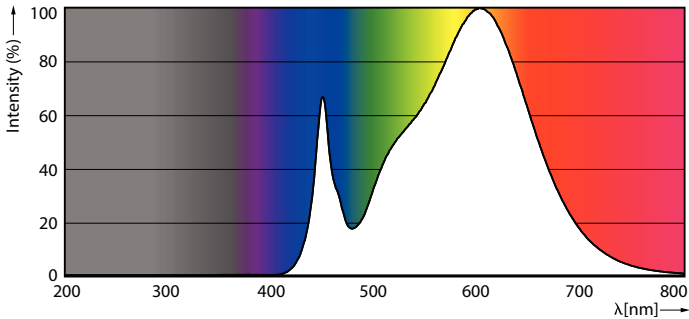
Spectral Power Distribution Colour – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

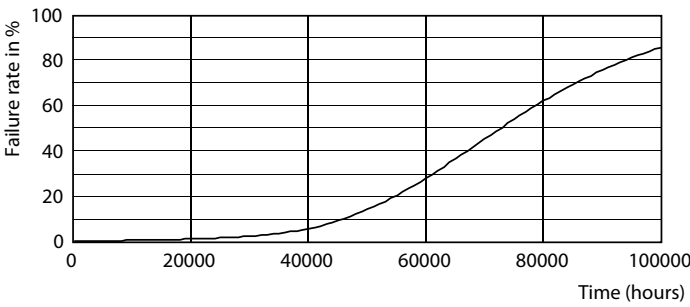General uniform lighting – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

Light Distribution Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1
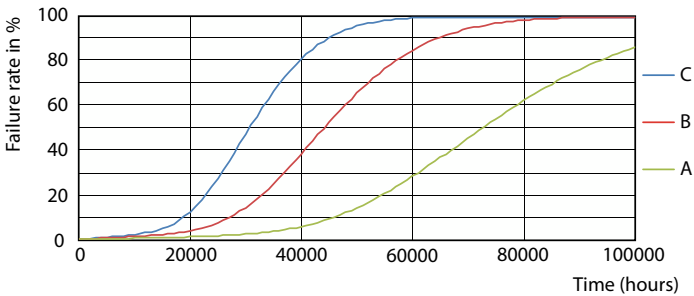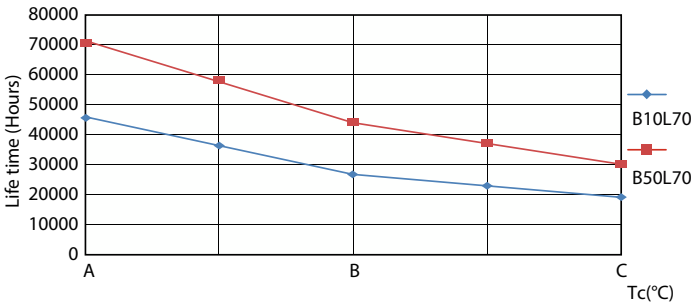
Lifetime

Lumen Maintenance Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

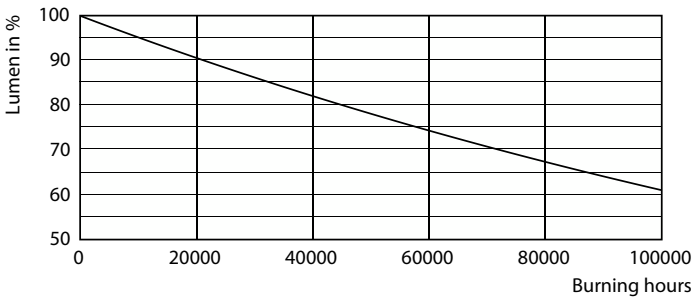Life Expectancy Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

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Lifetime

Life Expectancy Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

Life Expectancy Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1

Lumen Maintenance Diagram – 8.9T8/MAS/48-830/IF15/P/DIM 10/1