

**8.4T8/MAS/48-840/
MF16/G/DIM UE 25/1**

929004319304



MasterClass, LEDtube, T8, 1200 mm, 8.4 W, 4000 K, 1600 lm, 50000 hour(s)

MasterClass, LEDtube, T8, 1200 mm, 8.4 W, 4000 K, 1600 lm, 50000 hour(s), 190 lm/W, G13, Glass, 0 %

General Information

Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	190 lm/W
Color Consistency	6SCDM
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	0.7 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	8.4 W
Lamp Current (Max)	95 mA
Lamp Current (Min)	36 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 V
UL Type	UL Type B

Temperature

T-Case Maximum (Nom)	50 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.200 kg

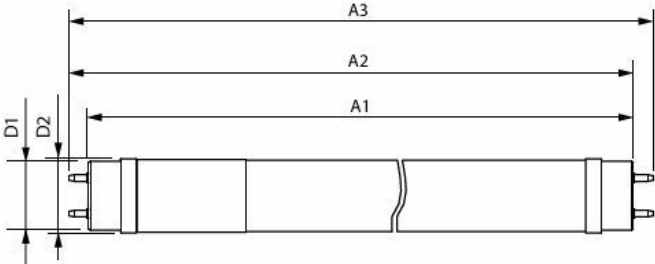
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	0 %

Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Dimensional drawing



D1	D2	A1	A2	A3
25.7mm	25.7mm	1199.4mm	1206.5mm	1213.6mm

Sustainability Data

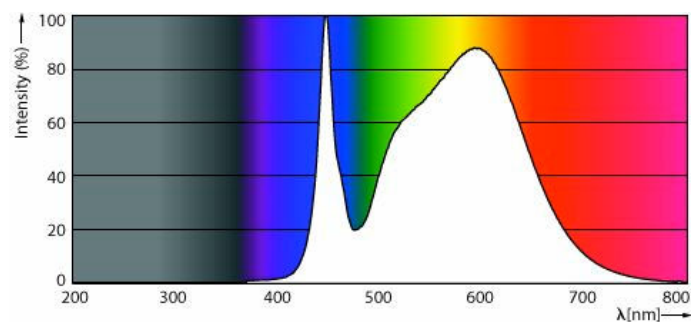
Product non-virgin material ratio	0 %
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Product Data

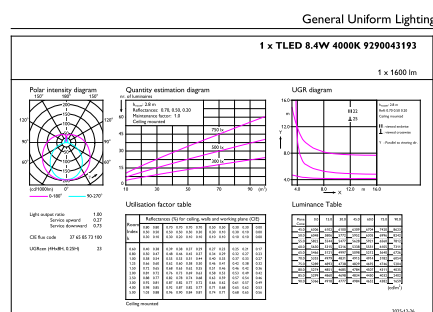
Order product name	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1
Full product name	8.4T8/MAS/48-840/MF16/G/DIM UE 25/1
Order code	929004319304
Material Nr. (12NC)	929004319304
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677610258
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677610253

Product	D1	D2	A1	A2	A3
8.4T8/MAS/48-840/MF16/G/DIM UE 25/1	25.7 mm	25.7 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data



Spectral Power Distribution Colour - 8.4T8/MAS/48-840/
MF16/G/DIM UE 25/1

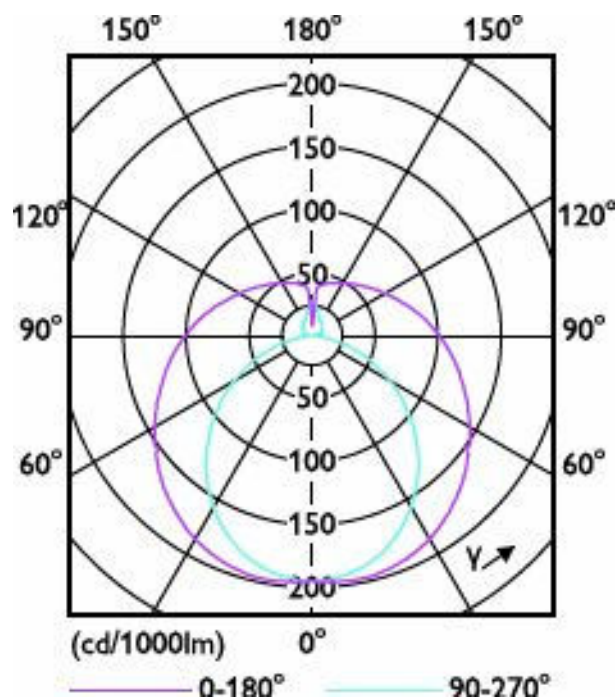


CalcuLuX Photometrics 4.5

Philips Lighting B.V.

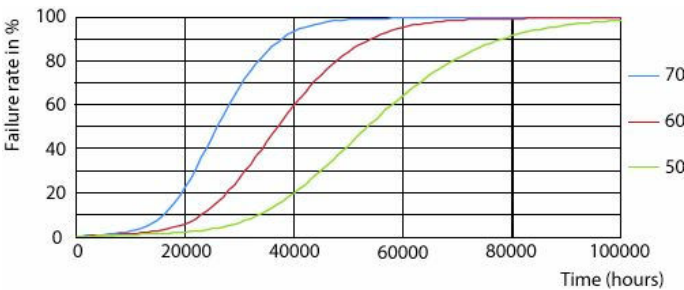
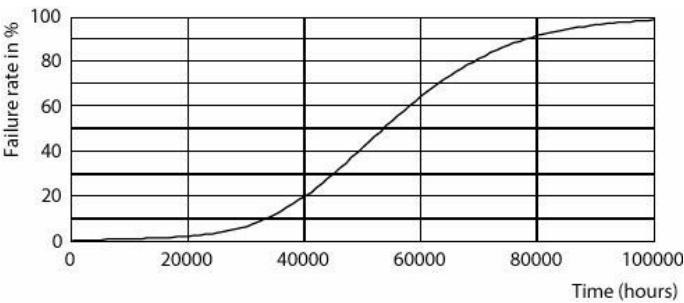
Page: 1/1

General uniform lighting - 8.4T8/MAS/48-840/MF16/G/DIM UE
25/1

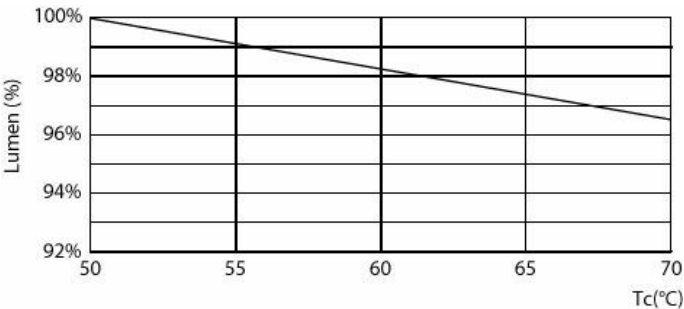


Light Distribution Diagram - 8.4T8/MAS/48-840/MF16/G/DIM UE
25/1

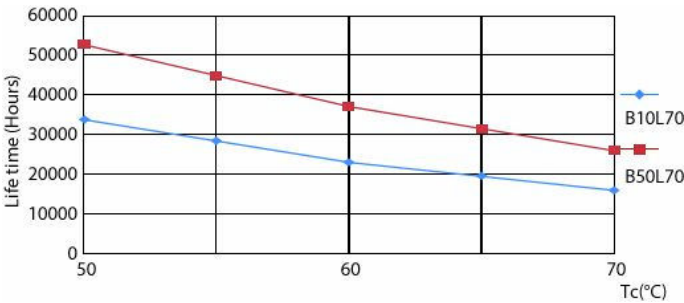
Lifetime



Life Expectancy Diagram

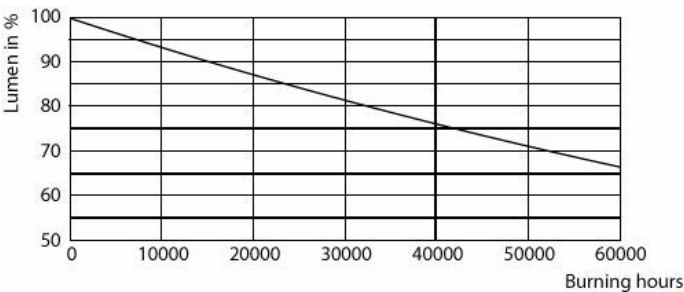


FailureRate



Lumen Maintenance Diagram - 8.4T8/MAS/48-840/MF16/G/DIM UE 25/1

LifetimeVsTc



Lumen Maintenance Diagram - 8.4T8/MAS/48-840/MF16/G/DIM UE 25/1

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	TLED-Type-B-T8-4FT-single-CCT-QIG-installation-guide-INI.pdf	Download
Environmental Product Declaration	Philips-MasterClass-MainsFit-UL-Type-B-T8-COMF-9435001-Ref-929004319304-EPD.pdf	Download
Photometry and lighting design	Document Name	Download
IES File	8-4T8-MAS-48-840-MF16-G-DIM-UE-25-1-9290043193-IES.IES	Download

