PHILIPS

14T8/MAS/48-5CCT/ FF21/P/DIM 25/1

929004323104



MasterClass, LEDtube, T8, 1200 mm, 14 W, 14.5 W, Selectable, 3000 K, 3500 K, 4000 K, 5000 K, 6500 K, 2100 lm, 2100 lm, 2100 lm, 2100 lm, 2100 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 1200 mm, 14 W, 14.5 W, Selectable, 3000 K, 3500 K, 4000 K, 5000 K, 6500 K, 2100 lm, 2100 lm, 2100 lm, 2100 lm, 2100 lm, 70000 hour(s), 144 lm/W, G13, Plastic, 0 %

General Information

Cap-Base	G13
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube

Light Technical

Color Code	3000K/3500K/4000K/5000K/6500K
Beam Angle (Nom)	220 degree(s)
Luminous Flux	2,100 lm
Color Designation	3000K/3500K/4000K/5000K/6500K
Correlated Color Temperature (Nom)	Selectable K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	14 W
Lamp Current (Max)	160 mA
Lamp Current (Min)	56 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 A+B

Temperature

T-Case Maximum (Nom)	50 °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
Net Weight (Piece)	0.195 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

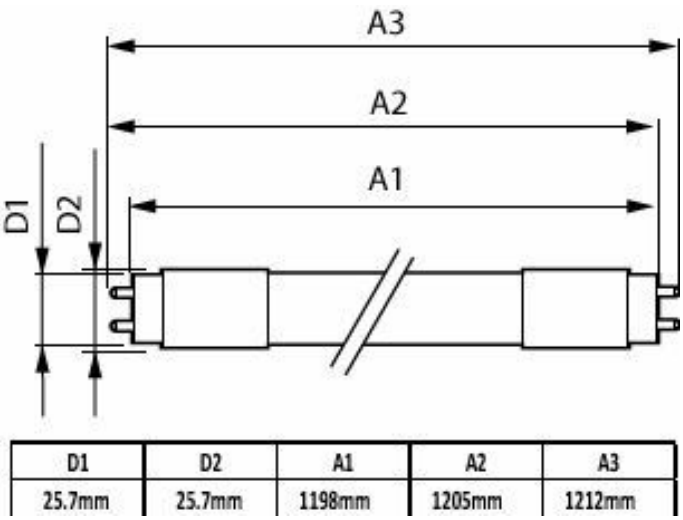
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

Order product name	14T8/MAS/48-5CCT/FF21/P/DIM 25/1
Full product name	14T8/MAS/48-5CCT/FF21/P/DIM 25/1
Order code	929004323104
Material Nr. (12NC)	929004323104
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677610630
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677610635

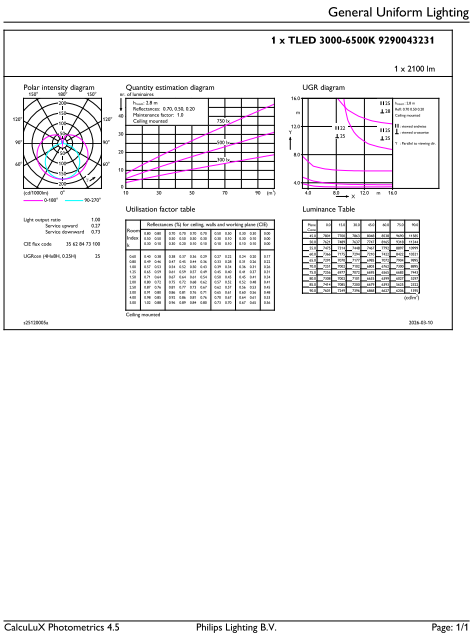
Dimensional drawing



D1	D2	A1	A2	A3
25.7mm	25.7mm	1198mm	1205mm	1212mm

Product	D1	D2	A1	A2	A3
14T8/MAS/ 48-5CCT/ FF21/P/DIM 25/1	25.7 mm	25.7 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data


General Uniform Lighting

1 x TLED 3000-6500K 9290043231

1 x 2100 lm

Polar intensity diagram

Quantity estimation diagram

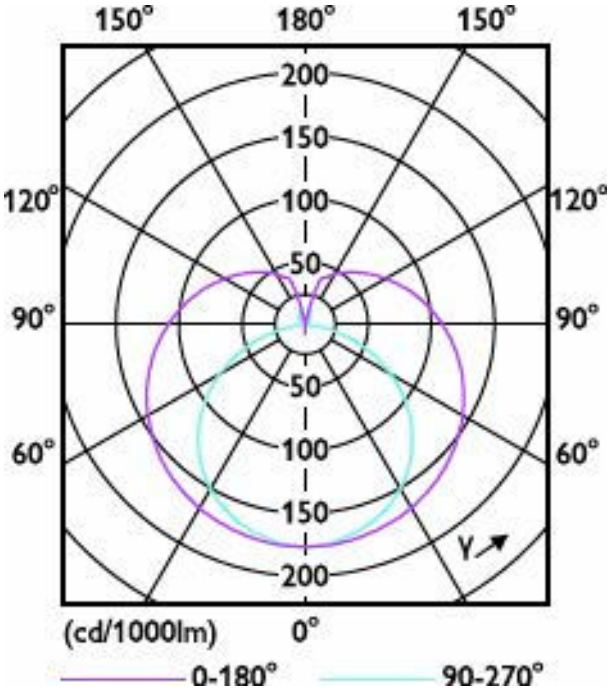
UGR diagram

Utilisation factor table

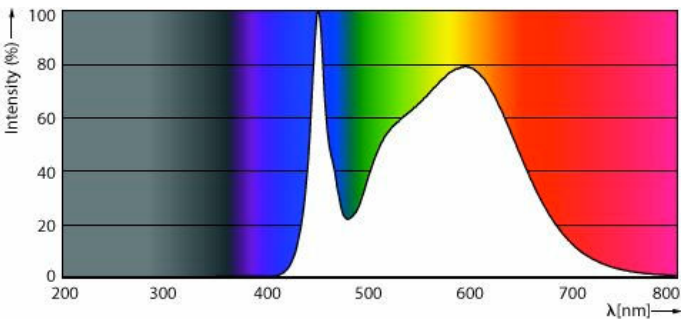
Luminance Table

CalcuLuX Photometrics 4.5 Philips Lighting B.V. Page: 1/1

General uniform lighting - 14T8/MAS/48-5CCT/FF21/P/DIM 25/1

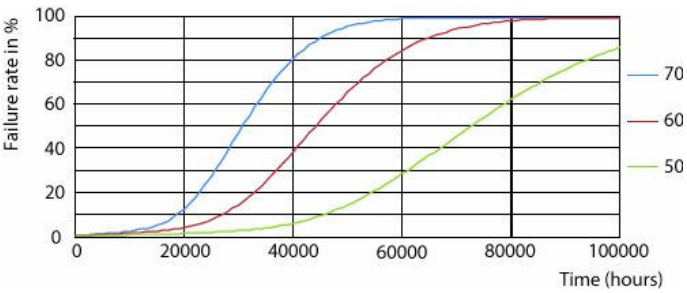


Light Distribution Diagram - 14T8/MAS/48-5CCT/FF21/P/DIM 25/1

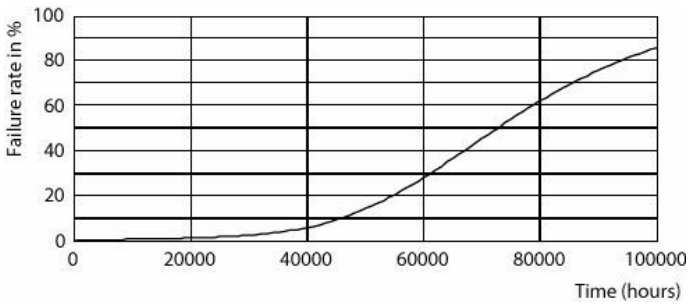


Spectral Power Distribution Colour - 14T8/MAS/48-5CCT/ FF21/P/DIM 25/1

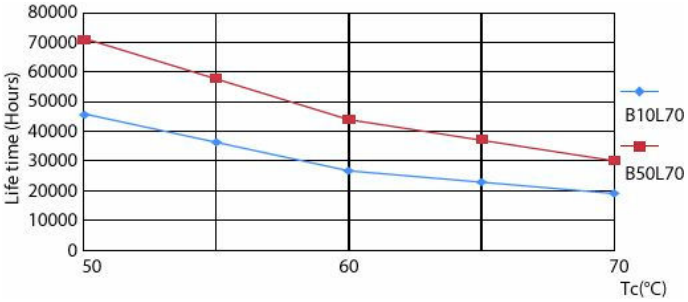
Lifetime



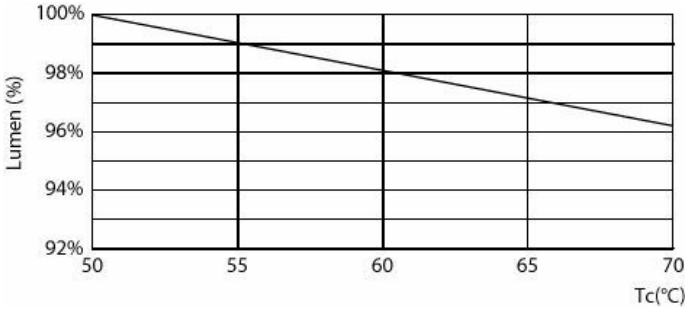
LEDtube 70K 5070 FailureRate-LED



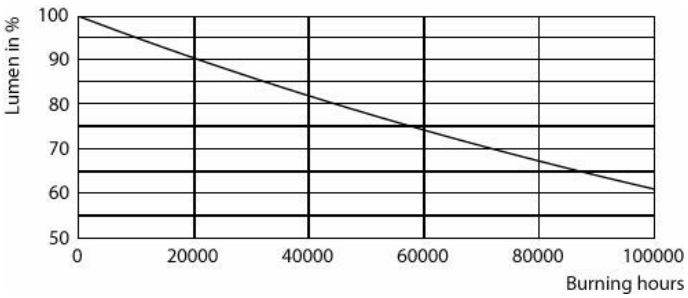
Life Expectancy Diagram



LEDtube 70K 5070 LifetimeVsTc-LED



Lumen Maintenance Diagram - 14T8/MAS/48-5CCT/FF21/P/DIM 25/1



Lumen Maintenance Diagram - 14T8/MAS/48-5CCT/FF21/P/DIM 25/1

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	HUB-FlexFit-Hybrid-UL-Type-A-and-B-T8-COMF-9434992-Ref-929004323104-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	14T8-MAS-48-5CCT-FF21-P-DIM-25-1-9290043231-IES.ies	Download

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