PHILIPS

Lighting

Contractor-grade MainsFit (UL Type-B) T8

13.4T8/CNG/48-840/MX18/G 25/1

Contractor grade, LEDtube, T8, 1200 mm, 13.4 W, 4000 K, 1800 lm, 50000 hour(s)

The Contractor-grade MainsFit (UL Type B) lamps are designed to provide simple retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp is similar to other UL Type B lamps in the Philips family by providing proven energy savings, long life (50k hours), surge suppression and industry leading safety features. All lamps in the Contractor-grade family are also double-ended to help simplify the installation.

Product data

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	1,800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	134 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	13.4 W
Lamp Current (Max)	158 mA
Lamp Current (Min)	56 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s

Contractor-grade MainsFit (UL Type-B) T8

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)	55 °C

Controls and Dimming

Dimmable	Limited

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 UL certificate DLC 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

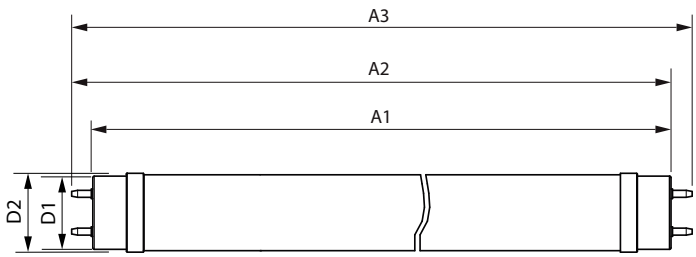
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

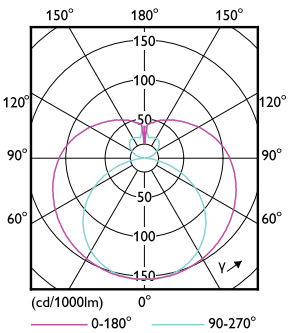
Order product name	13.4T8/CNG/48-840/MX18/G 25/1
Full product name	13.4T8/CNG/48-840/MX18/G 25/1
Order code	929004351204
Material Nr. (12NC)	929004351204
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677610289
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677610284

Dimensional drawing

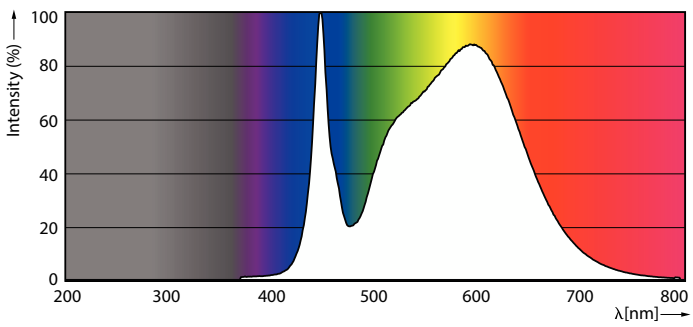


Product	D1	D2	A1	A2	A3
13.4T8/CNG/48-840/MX18/G 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data



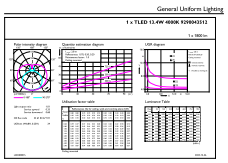
Light Distribution Diagram - 13.4T8/CNG/48-840/MX18/G 25/1



Spectral Power Distribution Colour - 13.4T8/CNG/48-840/MX18/G 25/1

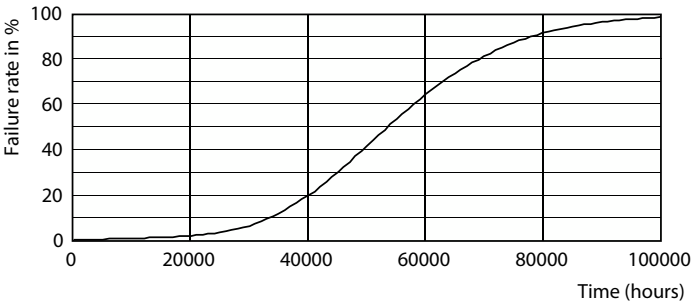
Contractor-grade MainsFit (UL Type-B) T8

Photometric data

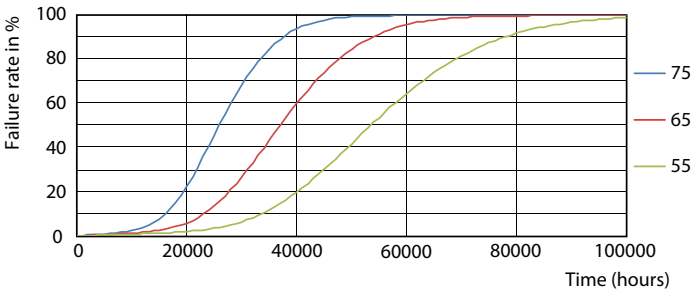


General uniform lighting - 13.4T8/CNG/48-840/MX18/G 25/1

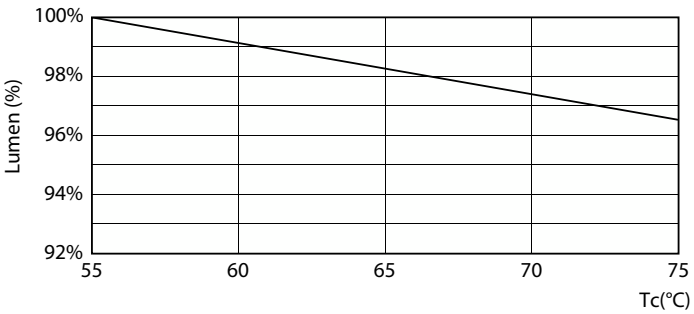
Lifetime



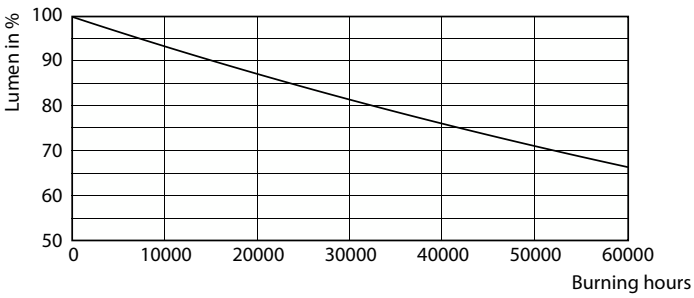
Life Expectancy Diagram



FailureRate



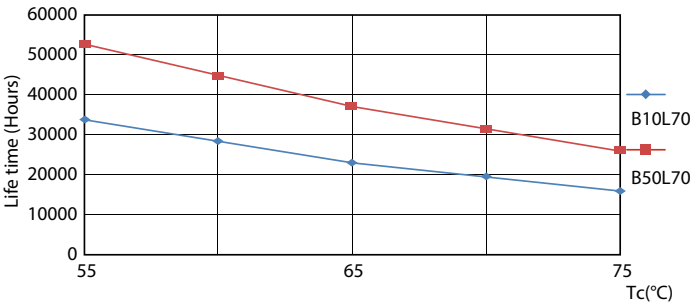
Lumen Maintenance Diagram - 13.4T8/CNG/48-840/MX18/G 25/1



Lumen Maintenance Diagram - 13.4T8/CNG/48-840/MX18/G 25/1

Contractor-grade MainsFit (UL Type-B) T8

Lifetime



LifetimeVsTc

© 2026 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.