DC-Fit (UL Type-C) T8

10T8/COR/48-840/DF16/G/DIM UL-C 25/1

The DC-Fit (UL Type C) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This lamp with DC driver has everything needed built into the lamp with proven energy savings, long life (up to 70k hours), better controllable performance and industry leading reliability features. All lamps in the DC-Fit family are double-ended to help simplify the installation. In addition, the DC lamps will have different lumen output with different dedicated DC drivers so that end users can have a comfortable environment with ideal light output.

Product data

General Information

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

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,600 2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	– Hz

Power Consumption

Power Consumption	10 14 W
Lamp Current (Max)	430 mA
Lamp Current (Min)	150 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)	38-46 V
UL Type	UL Type C

Temperature

T-Case Maximum (Nom)	122 °F

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass

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Product Length	47-1/4 inch
Bulb Shape	T8
Net Weight (Piece)	0.441 lb

Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	–4 to +113 °F

Application Conditions	
can it be used in closed luminaires	Yes

Product Data	
Order product name	10T8/COR/48-840/DF16/G/DIM UL-C 25/1
Full product name	10T8/COR/48-840/DF16/G/DIM UL-C 25/1
Order code	583988
Material Nr. (12NC)	929003651704
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677583989
Numerator – Packs per outer box	25
EAN/UPC – Case	50046677583984

Dimensional drawing
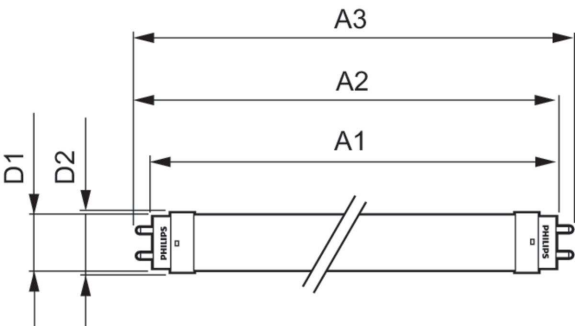
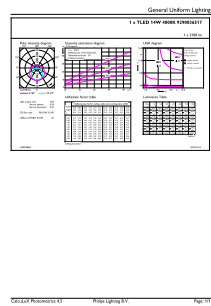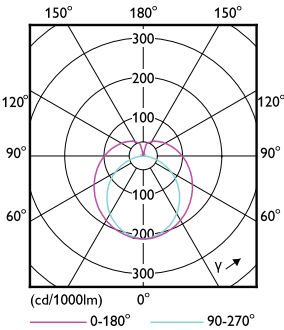| Product	D1	D2	A1	A2	A3
10T8/COR/48-840/ DF16/G/DIM UL-C 25/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data
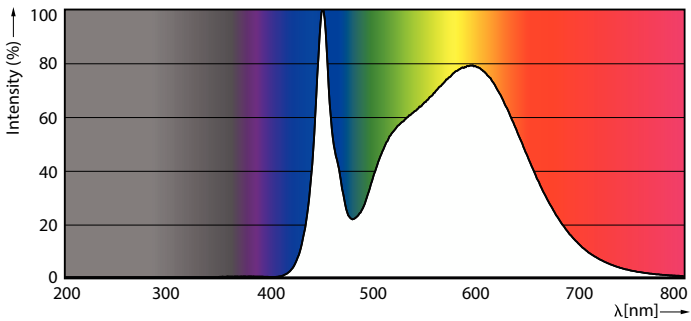
Spectral Power Distribution Colour – 10T8/COR/48-840/DF16/G/DIM UL-C 25/1

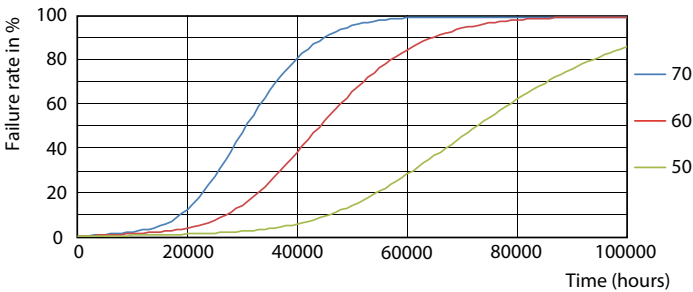General uniform lighting – 10T8/COR/48-840/DF16/G/DIM UL-C 25/1
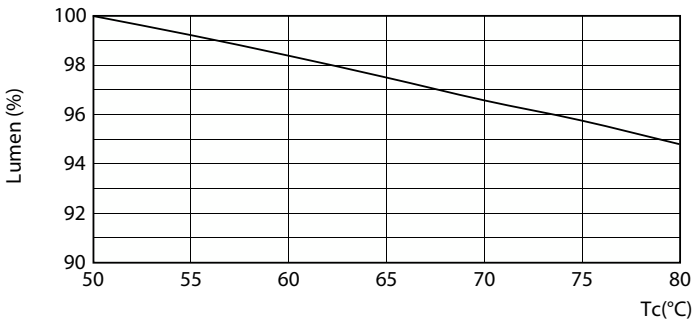
DC-Fit (UL Type-C) T8
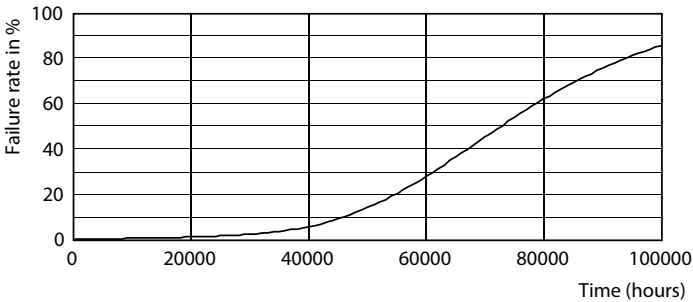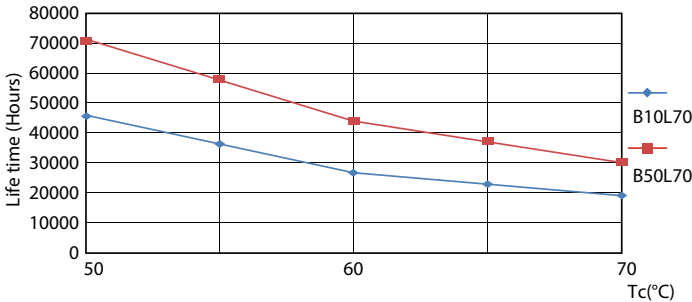
Photometric data

Lifetime

LEDtube 70K 5070 FailureRate-LED

Lumen Maintenance Diagram – 10T8/COR/48-840/DF16/G/DIM UL-C 25/1

Life Expectancy Diagram

LEDtube 70K 5070 LifetimeVsTc-LED

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Lifetime

Lumen Maintenance Diagram - 10T8/COR/48-840/DF16/G/DIM UL-C 25/1