PL-L

18PL-L/COR/55-5CCT/MF28/G/4P 10/1

CorePro, LED, PL-L, 18 W, 2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 2550 lm, 2550 lm, 2550 lm, 2800 lm, 2800 lm, 50000 hour(s)

Philips InstantFit LED lamps make the transition to LED from CFL lamps as simple as replacing a lamp. With a wide array of color temperatures, the InstantFit LED lamps can quickly and effectively replace compact fluorescent lamps.

Product data

General Information	
Cap-Base	2G11
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED

Light Technical	
Color Code	2700/3000/3500/4000/5000
Beam Angle (Nom)	140 degree(s)
Luminous Flux	2,550 2,550 2,550 2,800 2,800 lm
Color Designation	2700/3000/3500/4000/5000
Correlated Color Temperature (Nom)	2700 3000 3500 4000 5000 K
Luminous Efficacy (rated) (Nom)	155 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Max)	190 mA
Lamp Current (Min)	85 mA
Wattage Equivalent	50 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

Temperature	
T-Case Maximum (Nom)	75 °C

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	526 mm

PL-L

Bulb Shape	PL-L
Net Weight (Piece)	0.160 kg

Approval and Application

EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

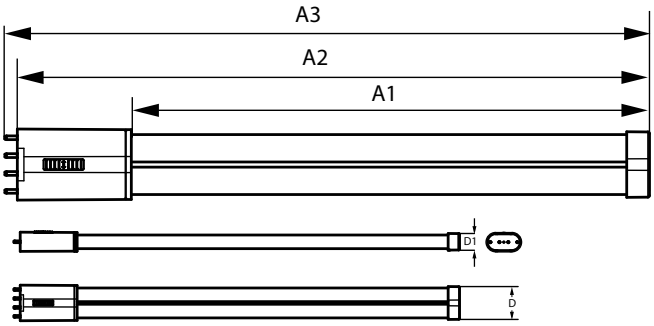
Application Conditions

can it be used in closed luminaires	Yes

Product Data

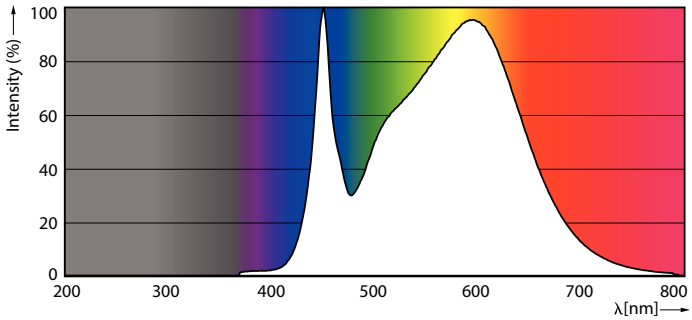
Order product name	18PL-L/COR/55-5CCT/MF28/G/4P 10/1
Full product name	18PL-L/COR/55-5CCT/MF28/G/4P 10/1
Order code	929004602704
Material Nr. (12NC)	929004602704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677607159
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677607154

Dimensional drawing

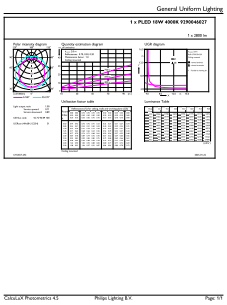


Product	D1	D	A1	A2	A3
18PL-L/COR/55-5CCT/MF28/G/4P 10/1	21 mm	41 mm	456 mm	526 mm	535 mm

Photometric data



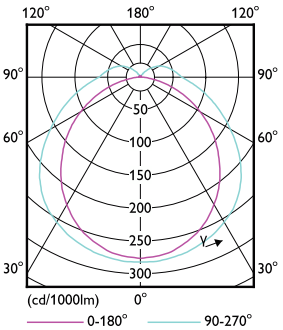
Spectral Power Distribution Colour - 18PL-L/COR/55-5CCT/MF28/G/4P 10/1



General uniform lighting - 18PL-L/COR/55-5CCT/MF28/G/4P 10/1

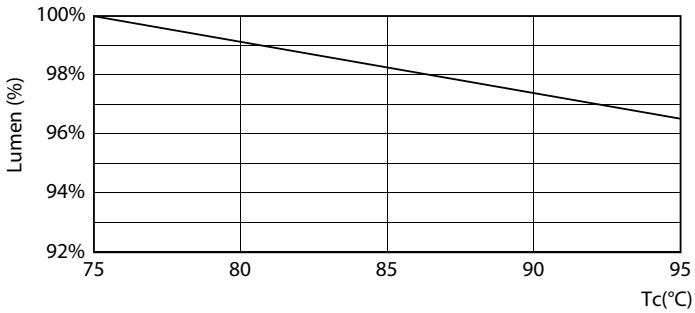
PL-L

Photometric data

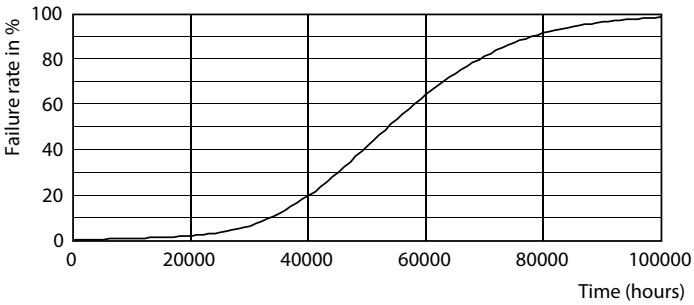


Light Distribution Diagram - 18PL-L/COR/55-5CCT/MF28/G/4P 10/1

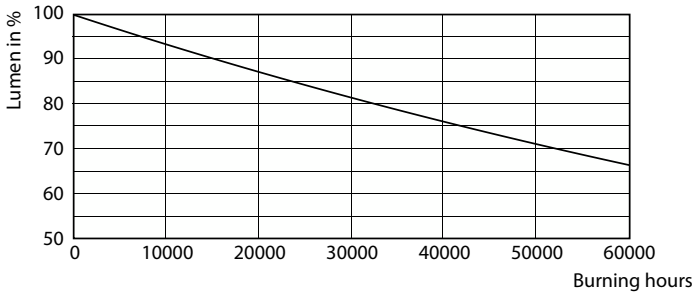
Lifetime



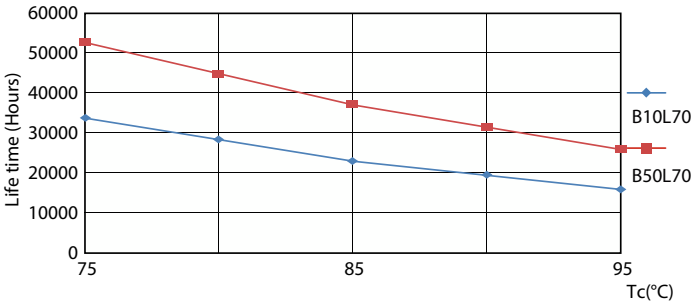
Lumen Maintenance Diagram - 18PL-L/COR/55-5CCT/MF28/G/4P 10/1



Life Expectancy Diagram



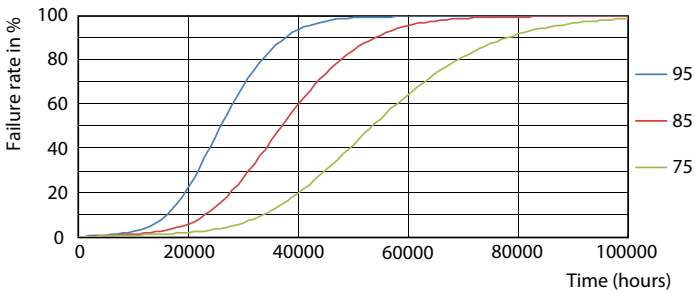
Lumen Maintenance Diagram - 18PL-L/COR/55-5CCT/MF28/G/4P 10/1



LEDtube 50K 7595 LifetimeVsTc-LED

PL-L

Lifetime



LEDtube 50K 7595 FailureRate-LED

© 2025 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.