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16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

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
EU RoHS compliant	Yes

Light Technical

Color Code	835 [CCT of 3500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,200 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	133.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	40000-160000 Hz
Input Frequency	40000-160000 Hz
Power Consumption	16.5 W
Lamp Current (Max)	400 mA
Lamp Current (Min)	200 mA

Wattage Equivalent	40 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	70-110 V
UL Type	UL Type A

Temperature

Ambient temperature range	-20 ℃ to 45 ℃
T-Case Maximum (Nom)	75 ℃

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	580 mm
Bulb Shape	PL-L

Approval and Application

Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance

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Energy Consumption kWh/1000 h	– kWh			
Energy Certifications	DLC Standard			

Order code	929001893604
Material Nr. (12NC)	929001893604
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677532901
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677532906

Application Conditions

can it be used in closed luminaires	Yes

Product Data

Order product name	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1
Full product name	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

Dimensional drawing

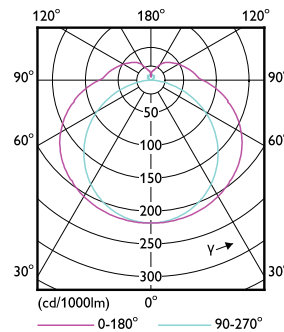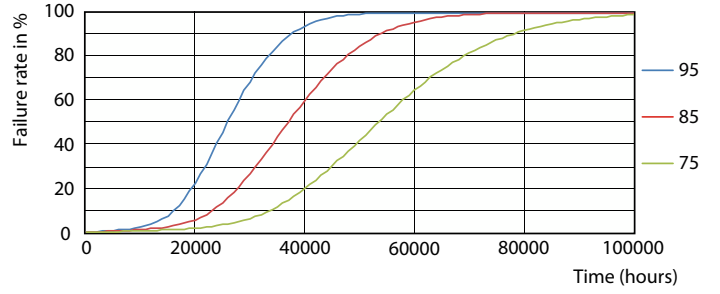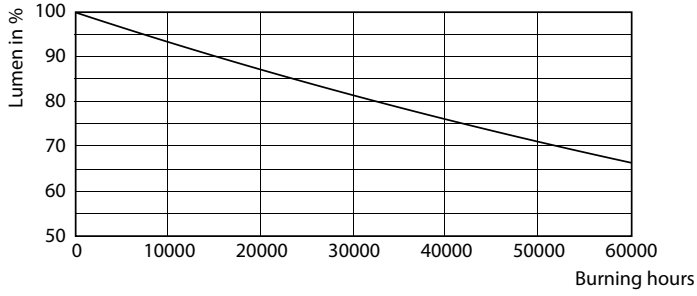| Product	D	D1	A1	A2	A3
16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	40.6 mm	20 mm	501 mm	564 mm	570.6 mm

Photometric data
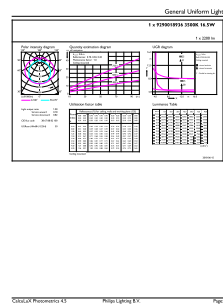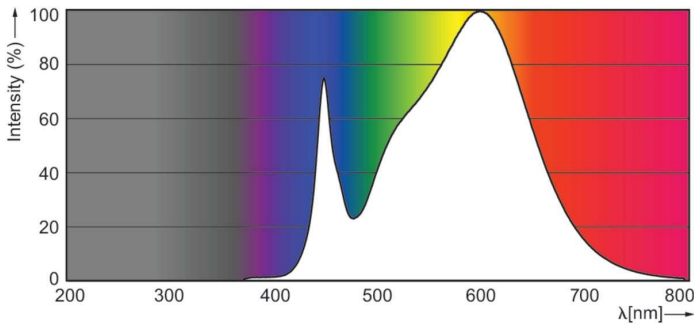
Spectral Power Distribution Colour – 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

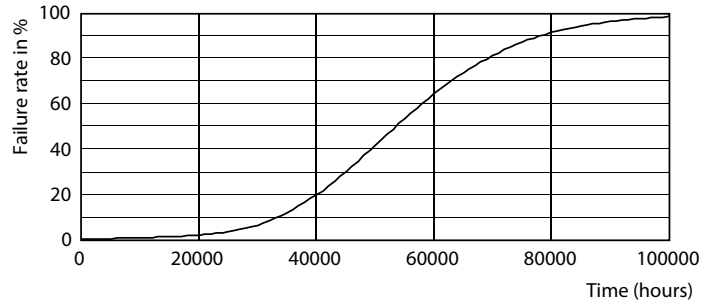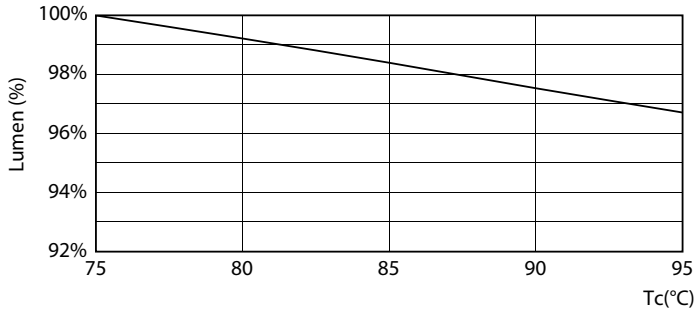**General uniform lighting – 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1**

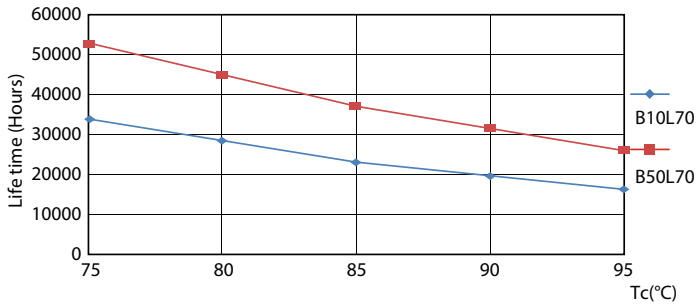**Light Distribution Diagram – 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1**

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Lifetime

Lumen in % vs Burning hours diagram

Failure rate in % vs Time (hours) diagram with legend: 95, 85, 75

Lumen (%) vs Tc(°C) diagram

Failure rate in % vs Time (hours) diagram

Lumen Maintenance Diagram – 16.5PL–L/COR/22–835/IF22/P/4P/DIM 10/1

Life Expectancy Diagram – 16.5PL–L/COR/22–835/IF22/P/4P/DIM 10/1

Life time (Hours) vs Tc(°C) diagram with labels: B10L70, B50L70

Life Expectancy Diagram – 16.5PL–L/COR/22–835/IF22/P/4P/DIM 10/1

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2024, January 16 – data subject to change