PHILIPS Lighting



CorePro LED PLC 2P

LED PLC 9W 840 2P G24d

CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Product data

| General Information | |
|--------------------------------------|--------------------|
| Cap-Base | G24d |
| Nominal lifetime | 15,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Color Code | 840 [CCT of 4000K] |
| Beam Angle (Nom) | 240 degree(s) |
| Luminous Flux | 1,050 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 116.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom | n) 70 % |

| Operating and Electrical | |
|--------------------------|-------------|
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 9 W |
| Lamp Current (Max) | 70 mA |

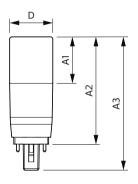
| Lamp Current (Min) | 70 mA |
|---------------------------|--------------------------------------|
| Lamp Current (Nom) | 70 mA |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.5 |
| Voltage (Nom) | 220-240 V |
| | |
| Temperature | |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 72 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Product Length | 100 mm |
| Bulb Shape | PL-C |
| | |
| Approval and Application | |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance CE marking KEMA Keur |
| | certificate |
| | |

CorePro LED PLC 2P

| Energy Consumption kWh/1000 h | – kWh |
|-------------------------------|------------------------|
| | |
| Product Data | |
| Order product name | LED PLC 9W 840 2P G24d |
| Full product name | LED PLC 9W 840 2P G24d |
| Full product code | 871869681024800 |
| Order code | 929001879308 |

| Material Nr. (12NC) | 929001879308 |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696810248 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696810255 |
| | |

Dimensional drawing



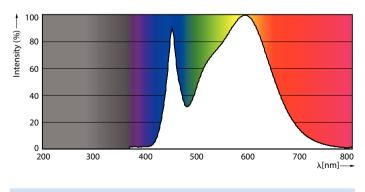
| Product | D | A1 | A2 | A3 |
|------------------------|---------|-------|---------|--------|
| LED PLC 9W 840 2P G24d | 37.2 mm | 40 mm | 92.5 mm | 115 mm |

Photometric data

| | | 1 x 9299018793 FW 4690K |
|--|---------------------------|-------------------------|
| | | 1 x 100 in |
| | Control particular degree | |
| All and the second seco | | |

Calculus Photometrics 4.5 Philips Lighting B.V. Page:

General uniform lighting - LED PLC 9W 840 2P G24d



Spectral Power Distribution Colour - LED PLC 9W 840 2P G24d

150° 180° 150° -150-100 120[°] 120° -50-90° 90° 50 60° 60° . 00 γ./ 150 0° (cd/1000lm)

Light Distribution Diagram - LED PLC 9W 840 2P G24d

CorePro LED PLC 2P

Lifetime

30000

25000

20000

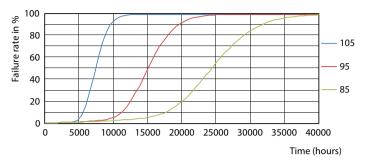
15000

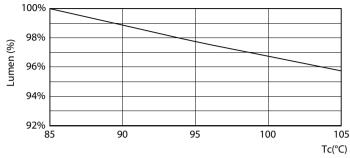
10000

5000

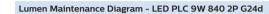
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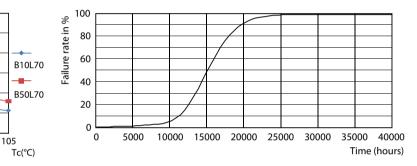
Life time (Hours)





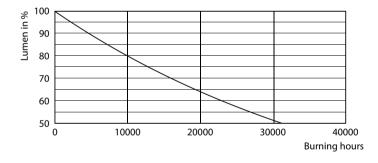
Life Expectancy Diagram - LED PLC 9W 840 2P G24d





Life Expectancy Diagram - LED PLC 9W 840 2P G24d

90



95

100

Lumen Maintenance Diagram - LED PLC 9W 840 2P G24d

Life Expectancy Diagram - LED PLC 9W 840 2P G24d

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