PHILIPS

## CorePro LED PLL HF 24W 840 4P 2G11

929001920502




# CorePro, LED, PL-L, HF, 528 mm, 24 W, 55W PL-L, 4000 K, 3400 lm, CRI 83, 30000 hour(s)




CorePro, LED, PL-L, HF, 528 mm, 24 W, LED alternative to 55W PL-L, 4000 K, 3400 lm, CRI 83, 30000 hour(s), 141.00 lm/W, EEL E, 2G11, Beam angle 160 degree(s), Glass, RG0, SDCM 6, PF 0.9, IP20

### General Information

| | |
|---|---|
| Cap-Base | 2G11 |
| Nominal lifetime | 30,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Sphere |
| Warranty period | 3 years |

### Light Technical

| | |
|---|---|
| Color Code | 840 [CCT of 4000K] |
| Beam Angle (Nom) | 160 degree(s) |
| Luminous Flux | 3,400 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 141.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 83 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Photobiological safety according to EN 62471 | RG0 |

### Operating and Electrical

| | |
|---|---|
| Line Frequency | 20000-70000 Hz |
| Input Frequency | 20000-70000 Hz |
| Power Consumption | 24 W |
| Lamp Current (Max) | 600 mA |
| Lamp Current (Min) | 400 mA |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 53-77 V |
| LED alternative to fluorescent lamp power | 55W PL-L |
| Inrush current at mains | - |
| Max. lamp no. on MCB B type 10A - Mains | - |

| | |
|---|---|
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 16A - Mains | - |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | - |
| Ballast Compatibility | HF |

## Temperature

| | |
|---|---|
| T-Case Maximum (Nom) | 70 °C |

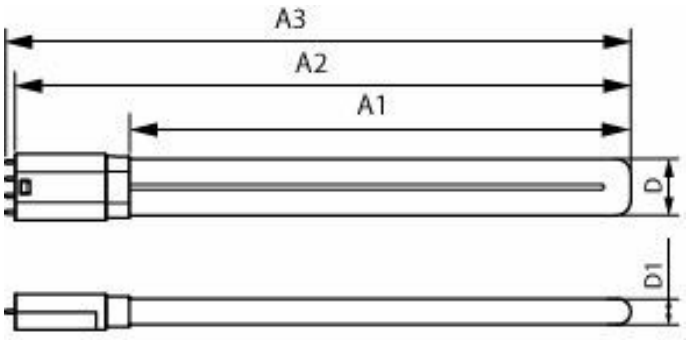
## Controls and Dimming

| | |
|---|---|
| Dimmable | No |

## Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Glass |
| Product Length | 528 mm |
| Bulb Shape | PL-L |
| Net Weight (Piece) | 0.160 kg |

## Dimensional drawing




| D | D1 | A1 | A2 | A3 |
|---|---|---|---|---|
| 38mm | 17mm | 453mm | 528mm | 535mm |

## Approval and Application

| | |
|---|---|
| Energy Efficiency Class | E |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance |
| Energy Consumption kWh/1000 h | 24 kWh |
| EPREL Registration Number | 387356 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| Ambient temperature range | -20 °C to 45 °C |

## Application Conditions

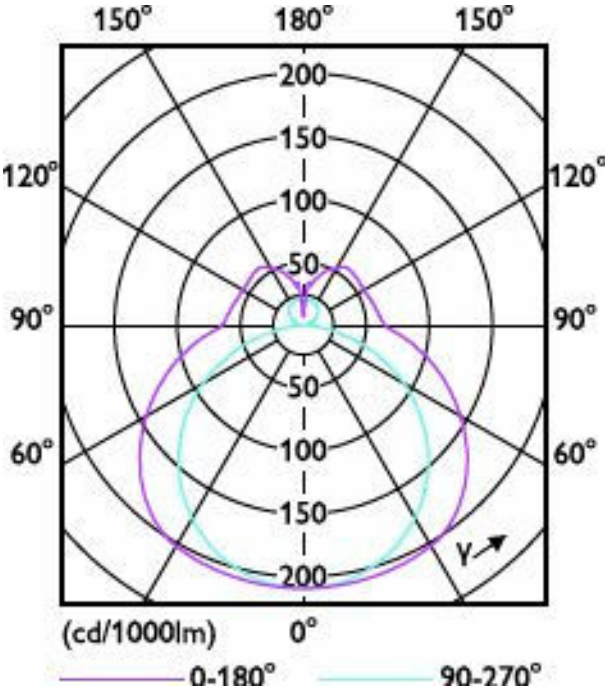
| | |
|---|---|
| Wireless Technology | Not applicable |

## Product Data

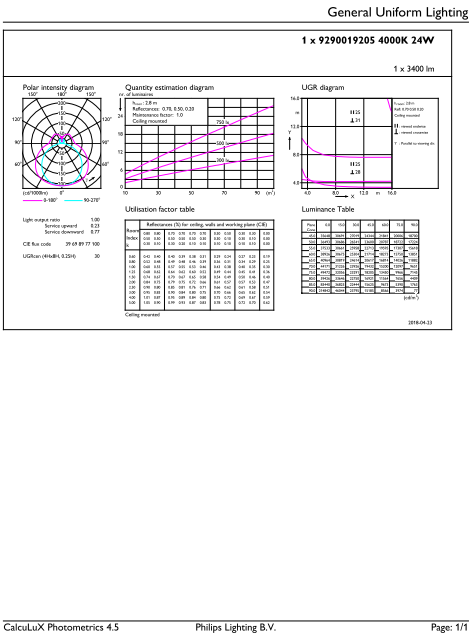
| | |
|---|---|
| Order product name | CorePro LED PLL HF 24W 840 4P 2G11 |
| Full product name | CorePro LED PLL HF 24W 840 4P 2G11 |
| Full product code | 871869682841000 |
| Order code | 929001920502 |
| Material Nr. (12NC) | 929001920502 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696828410 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696828427 |

| Product | D1 | D | A1 | A2 | A3 |
|---|---|---|---|---|---|
| CorePro LED PLL HF 24W 840 4P 2G11 | 17 mm | 38 mm | 453 mm | 528 mm | 535 mm |

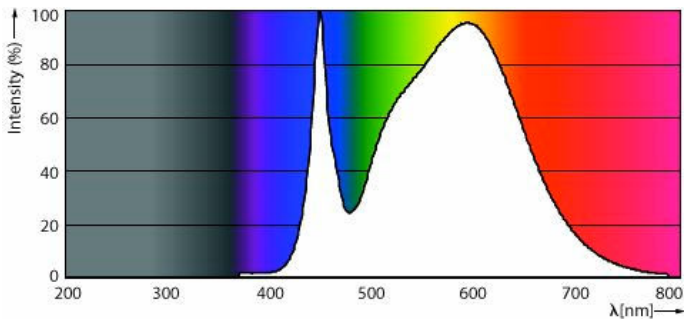
## Photometric data




Light Distribution Diagram - CorePro LED PLL HF 24W 840 4P 2G11

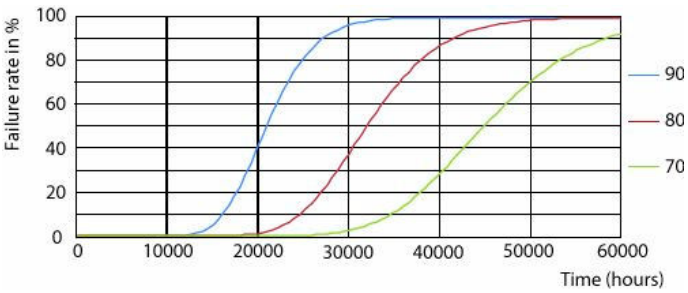



General uniform lighting - CorePro LED PLL HF 24W 840 4P 2G11

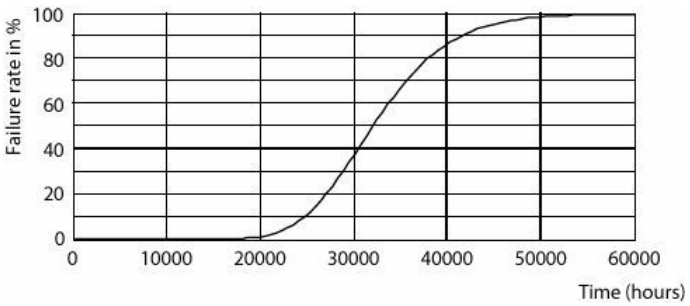



Spectral Power Distribution Colour - CorePro LED PLL HF 24W 840 4P 2G11

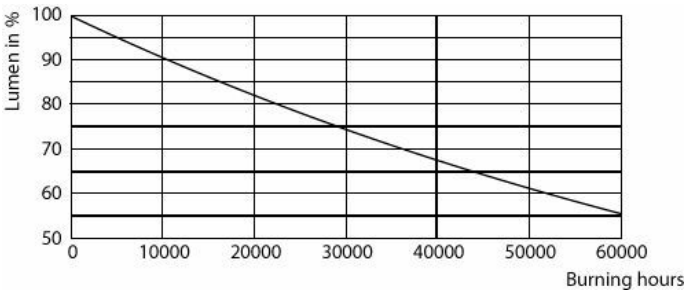
## Lifetime



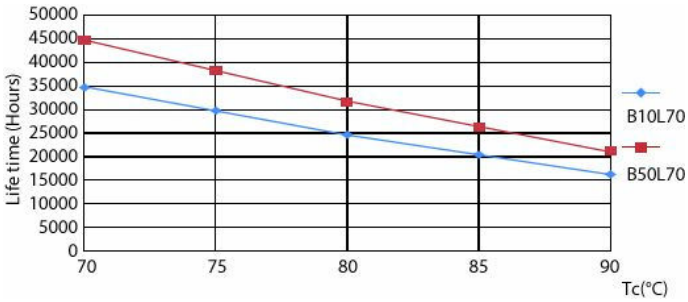

LEDtube CorePro PLL HF 24W 2G11 830 24D ND



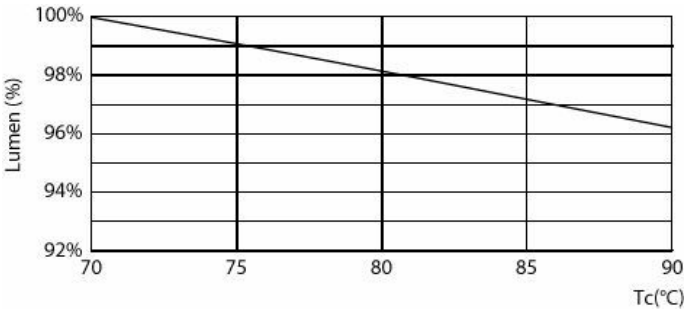

LEDtube CorePro PLL HF 24W 2G11 830 24D ND




Lumen Maintenance Diagram - CorePro LED PLL HF 24W 840 4P 2G11




LEDtube CorePro PLL HF 24W 2G11 830 24D ND




Lumen Maintenance Diagram - CorePro LED PLL HF 24W 840 4P 2G11

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | LEDtube_PLL_HF_Installation_Guide-INI.pdf | Download |
| Environmental Product Declaration | Philips-CorePro-LED-PLL-16-5W-840-4P-COMF-6714366-Ref-929001381602-EPD.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | LEDtube_CorePro_PLL_HF_24W_2G11_840_24D_ND-IES.ies | Download |

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