



# Essential LEDtube

## CorePro LEDtube 1200mm 16W840 G5 I APR

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

### Product data

| General Information                   |                    | Lamp Current (Min)            |  |
|---------------------------------------|--------------------|-------------------------------|--|
| Cap-Base                              | G5                 |                               | 77 mA  |
| Nominal lifetime                      | 30,000 hour(s)     | Starting Time (Nom)           | 0.5 s  |
| Switching Cycle                       | 50,000             | Warm-up time to 60% light     | 0.5 s  |
| Lighting Technology                   | LED                | Power Factor (Fraction)       | 0.92   |
| EU RoHS compliant                     | Yes                | Voltage (Nom)                 | 100-240 V  |
| Light Technical                       |                    | Temperature                   |  |
| Color Code                            | 840 [CCT of 4000K] | Ambient temperature range     | -20 °C to 45 °C                                  |
| Beam Angle (Nom)                      | 200 degree(s)      | T-Case Maximum (Nom)          | 70 °C  |
| Luminous Flux                         | 2,100 lm           | Controls and Dimming          |  |
| Color Designation                     | Cool White (CW)    | Dimmable                      | No   |
| Correlated Color Temperature (Nom)    | 4000 K             | Mechanical and Housing        |  |
| Luminous Efficacy (rated) (Nom)       | 131.00 lm/W        | Product Length                | 1,200 mm   |
| Color Consistency                     | <6                 | Bulb Shape                    | T5   |
| Color rendering index (CRI)           | 80                 | Approval and Application      |  |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               | Energy Saving Product         | Yes  |
| Operating and Electrical              |                    | Approval Marks                | CE marking RoHS compliance KEMA Keur certificate |
| Line Frequency                        | 50 to 60 Hz        | Energy Consumption kWh/1000 h | 16 kWh   |
| Input Frequency                       | 50 to 60 Hz        |                               |  |
| Power Consumption                     | 16 W               |                               |  |
| Lamp Current (Max)                    | 178 mA             |                               |  |

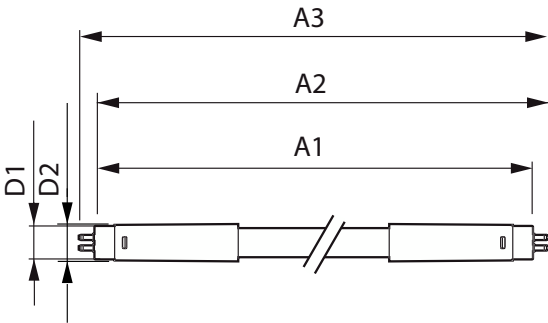
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## Product Data

|                     |  |
|---------------------|--|
| Order product name  | CorePro LEDtube 1200mm 16W840 G5 I APR |
| Full product name   | CorePro LEDtube 1200mm 16W840 G5 I APR |
| Full product code   | 871869673204500                        |
| Order code          | 929001381008                           |
| Material Nr. (12NC) | 929001381008                           |

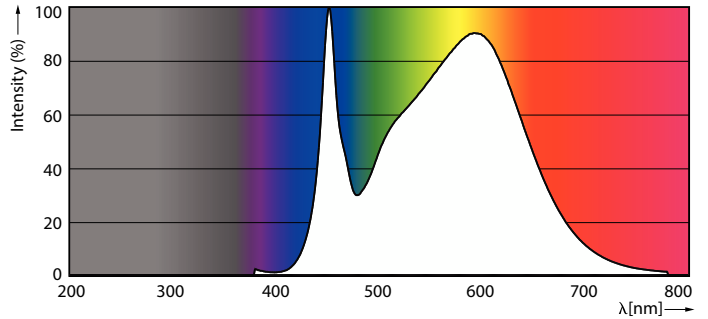
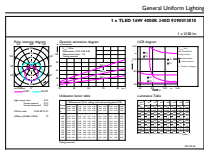
|                                 |               |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696732045 |
| Numerator - Packs per outer box | 20            |
| EAN/UPC - Case                  | 8718696732052 |

## Dimensional drawing



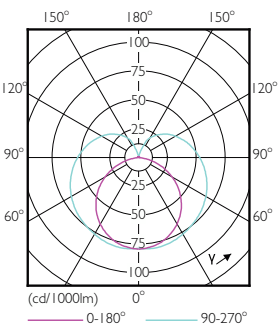
| Product                                | D1      | D2    | A1       | A2         | A3         |
|--|---------|-------|----------|------------|------------|
| CorePro LEDtube 1200mm 16W840 G5 I APR | 15.8 mm | 19 mm | 1,149 mm | 1,156.1 mm | 1,163.2 mm |

## Photometric data



General uniform lighting - CorePro LEDtube 1200mm 16W840 G5 I APR

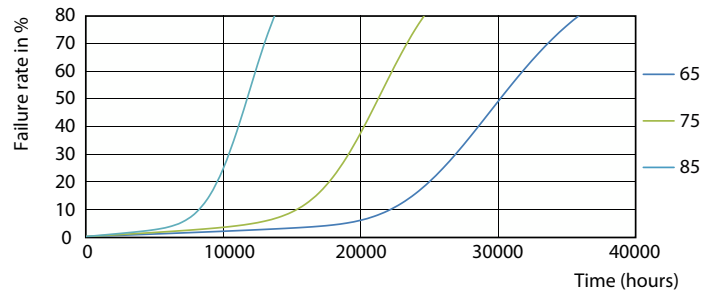
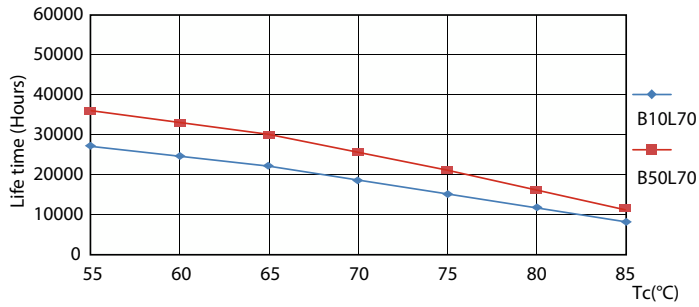
Spectral Power Distribution Colour - CorePro LEDtube 1200mm 16W840 G5 I APR



Light Distribution Diagram - CorePro LEDtube 1200mm 16W840 G5 I APR

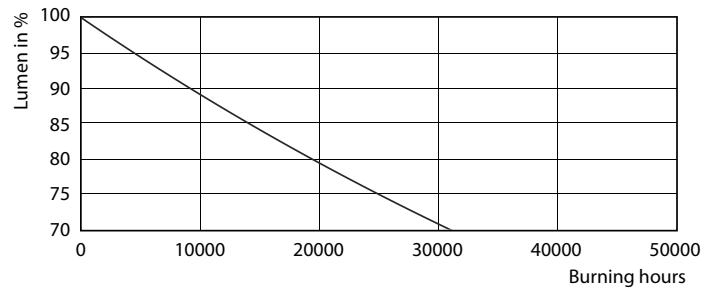
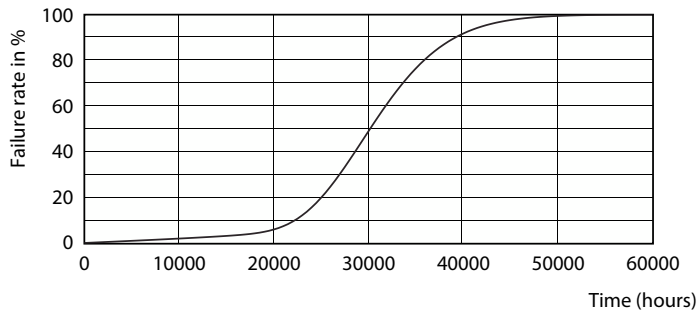
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## Lifetime



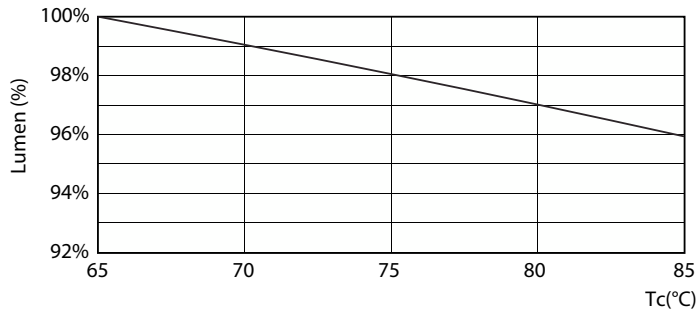
Life Expectancy Diagram - CorePro LEDtube 1200mm 16W840 G5 I APR

Life Expectancy Diagram - CorePro LEDtube 1200mm 16W840 G5 I APR



Life Expectancy Diagram - CorePro LEDtube 1200mm 16W840 G5 I APR

Lumen Maintenance Diagram - CorePro LEDtube 1200mm 16W840 G5 I APR



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