

LED line PRIME

Code: 207011

EAN: 5905378207011

PHANTOM 100W 4000K 190lm/W  
19000lm 1-10V 90° MV PRIME



**Phantom PRIME** is a high-performance high-bay luminaire that combines energy efficiency, reliability, and ease of installation. Designed with warehouses, sports facilities, and food or pharmaceutical plants in mind, it ensures excellent working conditions and quick return on investment.

Key features:

- Power: 70 W / 100 W / 150 W / 200 W, efficiency up to 190 lm/W (CRI 70) or 175 lm/W (CRI 80)
- Adjustable beam angles: 60° / 90° / 120° for precise illumination
- PZH certificate – approved for environments with strict hygiene requirements
- Smart dimming (1–10 V) with Merrytek sensors or via DALI2
- IP65 & IK08 protection, operating temperature from –30 °C to +45 °C
- Lightweight aluminum housing – quick and safe high-level installation
- 5-year warranty – full service support



Technical data

| Parameter                         | Value          |
|-----------------------------------|----------------|
| Energy efficiency class 2019/2015 | B              |
| Warranty                          | 5              |
| Power                             | • 100 W        |
| Voltage                           | • 100-277 V AC |
| Correlated colour temperature     | • 4000 K       |
| Colour of the light               | White          |
| Colour rendering index Ra         | 70             |
| IP protection rating              | IP65           |
| IK protection rating              | 08             |
| IEC protection class              | I              |
| Luminous efficacy                 | 190            |
| Luminous flux                     | 19000          |
| The lumen maintenance factor      | 96             |
| Lifetime L70B50                   | 100 000 h      |
| Survival factor                   | 0.9            |
| Dimmable function                 | 1-10           |
| Standby power                     | 0              |

| Parameter                                                              | Value                                                                                          |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Wyniki tłumaczenia Functional description of the daylight sensor [LUX] | 5 lx/15 lx/30 lx/50 lx/100 lx/150 lx/OFF                                                       |
| Detecting Area (Radius)                                                | 1m/s: 25% - 3m /50% - 4m/ 75% - 7m/100% - 9m; 0,3m/s: 25% - 4m /50% - 6m/ 75% - 10m/100% - 13m |
| Hold time                                                              | 5 sek /30 sek/1 min/3 min/ 5min/10 min/2 0min/30 min                                           |
| Stand-by dimming level                                                 | 10% (1,4–1,6 V), 20% (1,9–2,1 V), 30% (2,9–3,1 V), 50% (4,9–5,1 V)                             |
| Frequency of the supply voltage                                        | 50/60Hz                                                                                        |
| Fixture's diameter                                                     | 250 mm                                                                                         |
| Beam angle                                                             | 90                                                                                             |
| Sensor type                                                            | Microwave                                                                                      |
| LED type                                                               | SMD 2835                                                                                       |
| LED quantity                                                           | 320                                                                                            |
| Number of on/off cycles                                                | 50000                                                                                          |
| Lamp's warm-up time to 60%                                             | 1                                                                                              |
| Ambient temperature suitable for operation                             | -30÷45                                                                                         |
| Height                                                                 | 152 mm                                                                                         |
| Material (housing)                                                     | Aluminium                                                                                      |
| Material (cover)                                                       | Polycarbonate                                                                                  |

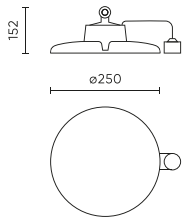
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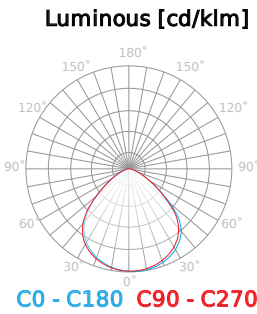
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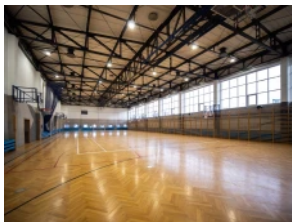
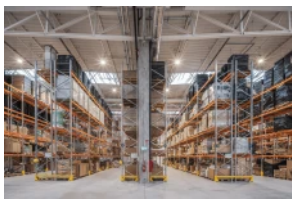
Technical drawing



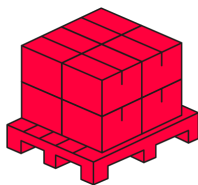
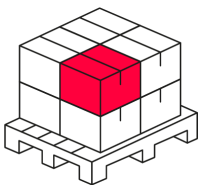
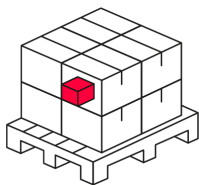
Light distribution



Additional product photos



Logistics data



Single packaging

|          |        |
|----------|--------|
| Quantity | 1      |
| Width    | 300 mm |
| Height   | 300 mm |
| Length   | 160 mm |
| Weight   | 1,7 kg |

Bulk packaging

|          |          |
|----------|----------|
| Quantity | 1        |
| Width    | 300 mm   |
| Height   | 160 mm   |
| Length   | 300 mm   |
| Volume   | 0,014 m3 |
| Weight   | 1,7 kg   |

Europallet

|                   |         |
|-------------------|---------|
| Quantity          | 100     |
| Height            | 1920 mm |
| Quantity in layer | 8       |
| Number of layers  | 12      |
| Bulk quantity     | 96      |
| Weight            | 25 kg   |

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**Example application**

