



The easiest switch to comfortable white light

MASTER CityWhite CDO-ET

Ceramic metal halide lamp, with opalized ovoid outer bulb shape, used in outdoor offering pleasant white light

Benefits

- White warm colour impression providing comfort and safety
- Easy upgrade from SON to white light without additional cost
- Flexible light levels and reduced energy consumption possible via dimming option

Features

- High-quality white light
- Directly retrofit on HPS (SON/NAV) installations for upgrade from yellow to white light
- "Plus" concept with high efficacy translates into high light output and improved lumen maintenance
- Good colour rendering and harmonized warm white colour temperature
- Dimmable

Application

- Beautification and functional lighting for City centers, shopping centers and pedestrian areas, residential areas, road lighting and floodlighting

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Lamps may use electronic or electromagnetic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

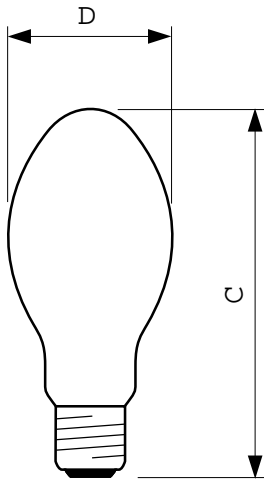
PHILIPS

Related products



CDO-ET, E27

Dimensional drawing



CDO-ET Plus 150W/828 E40

| Product | D | C |
|-------------------------------------------|-------|--------|
| MASTER CityWhite CDO-ET Plus 150W/828 E40 | 91 mm | 227 mm |

CDO-ET

General Information (1/2)

| order code | Bulb Shape | Cap-Base | Life To 10% Failures (Nom) | Life To 20% Failures (Nom) | Life To 50% Failures (Nom) | Life To 5% Failures (Nom) | LSF 12000 h Rated | LSF 16000 h Rated | LSF 2000 h Rated | LSF 20000 h Rated |
|------------|------------|----------|----------------------------|----------------------------|----------------------------|---------------------------|-------------------|-------------------|------------------|-------------------|
| 15875200 | B70 | E27 | 12000 | 16500 | 27000 | 9500 | 90 | 81 | 99 | 71 |
| 18563500 | B70 | E27 | 12000 | 14500 | 20000 | 9500 | 90 | 74 | 99 | 50 |

General Information (2/2)

| order code | LSF 4000 h Rated | LSF 6000 h Rated | LSF 8000 h Rated | Operating Position |
|------------|------------------|------------------|------------------|--------------------|
| 15875200 | 99 | 98 | 96 | UNIVERSAL |

| order code | LSF 4000 h Rated | LSF 6000 h Rated | LSF 8000 h Rated | Operating Position |
|------------|------------------|------------------|------------------|--------------------|
| 18563500 | 99 | 99 | 98 | UNIVERSAL |

Light Technical (1/2)

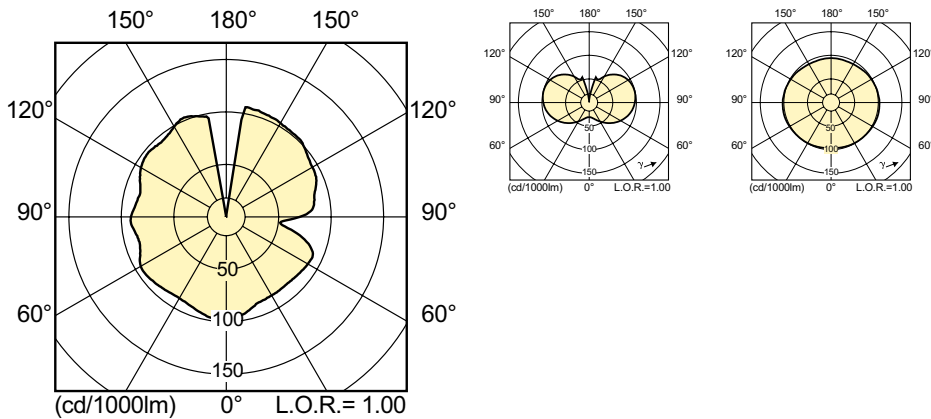
| order code | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Color Designation | Correlated Color Temperature (Nom) | Color Rendering Index (Nom) | LLMF 12000 h Rated | LLMF 16000 h Rated | LLMF 2000 h Rated | LLMF 20000 h Rated | LLMF 4000 h Rated |
|------------|---------------------------------|---------------------------------|-------------------|------------------------------------|-----------------------------|--------------------|--------------------|-------------------|--------------------|-------------------|
| 15875200 | 438 | 398 | Warm white (WW) | 2900 | 87 | 80.5 | 76.5 | 97 | 73.5 | 93 |
| 18563500 | 443 | 399 | Warm white (WW) | 2800 | 89 | 80 | 74 | 98 | 71 | 96 |

Light Technical (2/2)

| order code | LLMF 6000 h Rated | LLMF 8000 h Rated | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|-------------------|-------------------|---------------------------------|-----------------------------|
| 15875200 | 89.5 | 86 | 101 | 7230 |

| order code | LLMF 6000 h Rated | LLMF 8000 h Rated | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|-------------------|-------------------|---------------------------------|-----------------------------|
| 18563500 | 92 | 88 | 102 | 5150 |

Light technical



Operating and Electrical

| order code | Lamp Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) | Power (Rated) (Nom) | Re-Ignition Time (Min) (Max) |
|------------|-------------------------|---------------|---------------|---------------|---------------------|------------------------------|
| 15875200 | 0.98 | 96 | 80 | 88 | 70 | 720 |
| 18563500 | 0.775 | 86 | 70 | 78 | 50 | 720 |

Mechanical and Housing

| order code | Bulb Finish |
|------------|-------------|
| 15875200 | Coated |
| 18563500 | Coated |

Luminaire Design Requirements

| order code | Bulb Temperature (Max) |
|------------|------------------------|
| 15875200 | 350 |
| 18563500 | 350 |

Approval and Application

| order code | Energy Consumption kWh/1000 h | Energy Efficiency Label (EEL) | Mercury (Hg) Content (Nom) |
|------------|-------------------------------|-------------------------------|----------------------------|
| 15875200 | 79 | A+ | 6.8 |
| 18563500 | 56 | A+ | 5.1 |



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