



# Philips GreenPerform Canopy Mini500 Gen4: A high- performance, versatile, energy- saving LED

## GreenPerform Canopy Mini500 G4

The Philips GreenPerform Canopy Mini500 Gen4 lives up to the GreenPerform family's enviable reputation for reliable performance. Not only does this next-generation, energy-saving LED deliver leading system efficacy and extended long-term quality, it also offers a versatile selection of optics, connectivity, controls and installation options. So you can create the ideal lighting conditions for any space, at any time. The GreenPerform Canopy portfolio also includes a series that is ideal for canopy lighting in food applications. For professionals who demand high-performance, connected lighting for their lighting installations, this robust, optimized, and versatile family of LED canopy luminaires is the perfect choice for both indoor and outdoor canopy applications.

### Benefits

- Excellent energy savings
- Long-term quality and reliability
- Choice of optics
- Flexible installation options
- Range of control and connectivity platforms

# GreenPerform Canopy Mini500 G4

## Features

- Up to 160 lm/W system efficacy
- 60,000 hours lifetime @Ta 35°C
- Outdoor and edge area (Asymmetry WB), general area (WB), emphasizing and limited area (NB)
- Recessed (BBP), Surface & frame (BCP), Pole (BGP)
- DALI control, GU5.3 for emergency lighting, EcoSet sensor

## Application

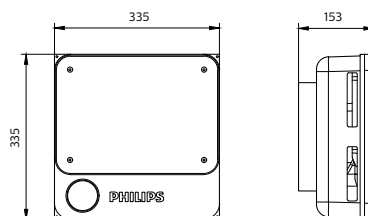
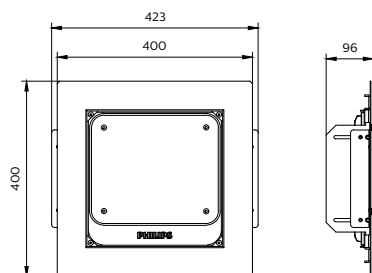
- Petrol and Convenience
- Parking Garages
- Food Processing

## Specifications

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Mounting type                      | Recessed                            |
|                                    | Surface                             |
|                                    | Pole                                |
| Operating Temperature range        | - 40 to +50 °C                      |
| Light Source                       | LED                                 |
| Mains Voltage                      | 2320-240V / 50-60Hz                 |
| Mains connection                   | Flying cable                        |
| Mechanical Accessories             | Clamp                               |
| Dimming                            | PSU: non-dimmable                   |
|                                    | PSD: Dimmable via Dali-broadcasting |
| Control system input               | DALI                                |
| Material                           | Housing: die-cast aluminium         |
| Main color of the luminaire        | RAL9003                             |
| Flicker / Pst / SVM                | <3.2% / 0.5 / 0.4                   |
| Luminous flux                      | 8.5klm - 18klm                      |
| Power consumption                  | 53W - 128W                          |
| Luminaire efficacy                 | Up to 160lm/W                       |
| Correlated color temperature - CCT | 4000K<br>6000K                      |

|                            |                |
|----------------------------|----------------|
| Color Rendering index - 80 |                |
| CRI                        |                |
| Beam angle                 | S-WB: 115°     |
|                            | S-MB: 90°      |
|                            | A-WB: 110°*80° |
| Optical cover/lens         | Lens: PC       |
| material                   | Cover: Glass   |
| Optical cover/lens         | Clear          |
| finish                     |                |
| Protection Class           | Class I        |
| IEC61140                   |                |
| Mechanical impact          | IK07           |
| protection                 |                |
| Ingress protection         | IP65           |
| Driver replaceable         | Yes            |
| Installation               | Recessed       |
|                            | Surface        |
|                            | Pole           |

## Dimensional drawing



GreenPerform Canopy Mini500 G4

| General Information                 |                                                      |
|-------------------------------------|------------------------------------------------------|
| Service tag                         | Yes                                                  |
| Light Technical                     |                                                      |
| Correlated Color Temperature (Nom)  | 4000 K                                               |
| Color rendering index (CRI)         | >80                                                  |
| Operating and Electrical            |                                                      |
| Protection class IEC                | Safety class I                                       |
| Input Voltage                       | 220–240 V                                            |
| Line Frequency                      | 50 to 60 Hz                                          |
| Mechanical and Housing              |                                                      |
| Housing Color                       | White                                                |
| Ingress protection code             | IP65                                                 |
| Approval and Application            |                                                      |
| CE mark                             | Yes                                                  |
| Flammability mark                   | For mounting on<br>normally<br>flammable<br>surfaces |
| Initial Performance (IEC Compliant) |                                                      |
| Luminous flux tolerance             | +/-10%                                               |

Light Technical

| Order Code   | Full Product Name               | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|---------------------------------|---------------------------------|---------------|
| 911401506342 | BCP500 G4 LED140/NW PSD S-WB    | 147 lm/W                        | 14,079 lm     |
| 911401506442 | BCP500 G4 LED140/NW PSD S-MB    | 147 lm/W                        | 14,079 lm     |
| 911401506542 | BCP500 G4 LED140/NW PSD A-WB    | 147 lm/W                        | 14,079 lm     |
| 911401506942 | BCP500 G4 LED180/NW PSD S-WB    | 142 lm/W                        | 18,066 lm     |
| 911401507042 | BCP500 G4 LED180/NW PSD S-MB    | 142 lm/W                        | 18,066 lm     |
| 911401507142 | BCP500 G4 LED180/NW PSD A-WB    | 142 lm/W                        | 18,066 lm     |
| 911401501542 | BBP500 G4 LED140/NW PSU S-WB PC | 152 lm/W                        | 13,777 lm     |
| 911401501642 | BBP500 G4 LED140/NW PSU S-MB PC | 152 lm/W                        | 13,777 lm     |
| 911401501742 | BBP500 G4 LED140/NW PSU A-WB PC | 152 lm/W                        | 13,777 lm     |
| 911401502142 | BBP500 G4 LED180/NW PSU S-WB PC | 145 lm/W                        | 17,677 lm     |
| 911401502242 | BBP500 G4 LED180/NW PSU S-MB PC | 145 lm/W                        | 17,677 lm     |
| 911401502342 | BBP500 G4 LED180/NW PSU A-WB PC | 145 lm/W                        | 17,677 lm     |
| 911401594332 | BBP500 G4 LED140/NW PSU S-WB    | 155 lm/W                        | 14,079 lm     |
| 911401594432 | BBP500 G4 LED140/NW PSU S-MB    | 155 lm/W                        | 14,079 lm     |
| 911401594532 | BBP500 G4 LED140/NW PSU A-WB    | 155 lm/W                        | 14,079 lm     |
| 911401594932 | BBP500 G4 LED180/NW PSU S-WB    | 148 lm/W                        | 18,066 lm     |
| 911401595032 | BBP500 G4 LED180/NW PSU S-MB    | 148 lm/W                        | 18,066 lm     |
| 911401595132 | BBP500 G4 LED180/NW PSU A-WB    | 148 lm/W                        | 18,066 lm     |

Operating and Electrical

| Order Code   | Full Product Name               | Power Consumption |
|--------------|---------------------------------|-------------------|
| 911401506342 | BCP500 G4 LED140/NW PSD S-WB    | 96 W              |
| 911401506442 | BCP500 G4 LED140/NW PSD S-MB    | 96 W              |
| 911401506542 | BCP500 G4 LED140/NW PSD A-WB    | 96 W              |
| 911401506942 | BCP500 G4 LED180/NW PSD S-WB    | 128 W             |
| 911401507042 | BCP500 G4 LED180/NW PSD S-MB    | 128 W             |
| 911401507142 | BCP500 G4 LED180/NW PSD A-WB    | 128 W             |
| 911401501542 | BBP500 G4 LED140/NW PSU S-WB PC | 91 W              |
| 911401501642 | BBP500 G4 LED140/NW PSU S-MB PC | 91 W              |
| 911401501742 | BBP500 G4 LED140/NW PSU A-WB PC | 91 W              |

| Order Code   | Full Product Name               | Power Consumption |
|--------------|---------------------------------|-------------------|
| 911401502142 | BBP500 G4 LED180/NW PSU S-WB PC | 122 W             |
| 911401502242 | BBP500 G4 LED180/NW PSU S-MB PC | 122 W             |
| 911401502342 | BBP500 G4 LED180/NW PSU A-WB PC | 122 W             |
| 911401594332 | BBP500 G4 LED140/NW PSU S-WB    | 91 W              |
| 911401594432 | BBP500 G4 LED140/NW PSU S-MB    | 91 W              |
| 911401594532 | BBP500 G4 LED140/NW PSU A-WB    | 91 W              |
| 911401594932 | BBP500 G4 LED180/NW PSU S-WB    | 122 W             |
| 911401595032 | BBP500 G4 LED180/NW PSU S-MB    | 122 W             |
| 911401595132 | BBP500 G4 LED180/NW PSU A-WB    | 122 W             |

Controls and Dimming

| Order Code   | Full Product Name               | Dimmable |
|--------------|---------------------------------|----------|
| 911401506342 | BCP500 G4 LED140/NW PSD S-WB    | DALI     |
| 911401506442 | BCP500 G4 LED140/NW PSD S-MB    | DALI     |
| 911401506542 | BCP500 G4 LED140/NW PSD A-WB    | DALI     |
| 911401506942 | BCP500 G4 LED180/NW PSD S-WB    | DALI     |
| 911401507042 | BCP500 G4 LED180/NW PSD S-MB    | DALI     |
| 911401507142 | BCP500 G4 LED180/NW PSD A-WB    | DALI     |
| 911401501542 | BBP500 G4 LED140/NW PSU S-WB PC | No       |
| 911401501642 | BBP500 G4 LED140/NW PSU S-MB PC | No       |
| 911401501742 | BBP500 G4 LED140/NW PSU A-WB PC | No       |

| Order Code   | Full Product Name               | Dimmable |
|--------------|---------------------------------|----------|
| 911401502142 | BBP500 G4 LED180/NW PSU S-WB PC | No       |
| 911401502242 | BBP500 G4 LED180/NW PSU S-MB PC | No       |
| 911401502342 | BBP500 G4 LED180/NW PSU A-WB PC | No       |
| 911401594332 | BBP500 G4 LED140/NW PSU S-WB    | No       |
| 911401594432 | BBP500 G4 LED140/NW PSU S-MB    | No       |
| 911401594532 | BBP500 G4 LED140/NW PSU A-WB    | No       |
| 911401594932 | BBP500 G4 LED180/NW PSU S-WB    | No       |
| 911401595032 | BBP500 G4 LED180/NW PSU S-MB    | No       |
| 911401595132 | BBP500 G4 LED180/NW PSU A-WB    | No       |

Mechanical and Housing

## GreenPerform Canopy Mini500 G4

| Order Code   | Full Product Name                  | Optical cover type | Mech. impact protection code |
|--------------|------------------------------------|--------------------|------------------------------|
| 911401506342 | BCP500 G4 LED140/NW PSD S-WB       | Clear glass        | IK07                         |
| 911401506442 | BCP500 G4 LED140/NW PSD S-MB       | Clear glass        | IK07                         |
| 911401506542 | BCP500 G4 LED140/NW PSD A-WB       | Clear glass        | IK07                         |
| 911401506942 | BCP500 G4 LED180/NW PSD S-WB       | Clear glass        | IK07                         |
| 911401507042 | BCP500 G4 LED180/NW PSD S-MB       | Clear glass        | IK07                         |
| 911401507142 | BCP500 G4 LED180/NW PSD A-WB       | Clear glass        | IK07                         |
| 911401501542 | BBP500 G4 LED140/NW PSU S-WB<br>PC | Polycarbonate      | IK08                         |
| 911401501642 | BBP500 G4 LED140/NW PSU S-MB<br>PC | Polycarbonate      | IK08                         |
| 911401501742 | BBP500 G4 LED140/NW PSU A-WB<br>PC | Polycarbonate      | IK08                         |

| Order Code   | Full Product Name                  | Optical cover type | Mech. impact protection code |
|--------------|------------------------------------|--------------------|------------------------------|
| 911401502142 | BBP500 G4 LED180/NW PSU S-WB<br>PC | Polycarbonate      | IK08                         |
| 911401502242 | BBP500 G4 LED180/NW PSU S-MB<br>PC | Polycarbonate      | IK08                         |
| 911401502342 | BBP500 G4 LED180/NW PSU A-WB<br>PC | Polycarbonate      | IK08                         |
| 911401594332 | BBP500 G4 LED140/NW PSU S-WB       | Clear glass        | IK07                         |
| 911401594432 | BBP500 G4 LED140/NW PSU S-MB       | Clear glass        | IK07                         |
| 911401594532 | BBP500 G4 LED140/NW PSU A-WB       | Clear glass        | IK07                         |
| 911401594932 | BBP500 G4 LED180/NW PSU S-WB       | Clear glass        | IK07                         |
| 911401595032 | BBP500 G4 LED180/NW PSU S-MB       | Clear glass        | IK07                         |
| 911401595132 | BBP500 G4 LED180/NW PSU A-WB       | Clear glass        | IK07                         |

### Approval and Application

| Order Code   | Full Product Name               | Ambient temperature range |
|--------------|---------------------------------|---------------------------|
| 911401506342 | BCP500 G4 LED140/NW PSD S-WB    | -40 to +50 °C             |
| 911401506442 | BCP500 G4 LED140/NW PSD S-MB    | -40 to +50 °C             |
| 911401506542 | BCP500 G4 LED140/NW PSD A-WB    | -40 to +50 °C             |
| 911401506942 | BCP500 G4 LED180/NW PSD S-WB    | -40 to +50 °C             |
| 911401507042 | BCP500 G4 LED180/NW PSD S-MB    | -40 to +50 °C             |
| 911401507142 | BCP500 G4 LED180/NW PSD A-WB    | -40 to +50 °C             |
| 911401501542 | BBP500 G4 LED140/NW PSU S-WB PC | -20 to +40 °C             |
| 911401501642 | BBP500 G4 LED140/NW PSU S-MB PC | -20 to +40 °C             |
| 911401501742 | BBP500 G4 LED140/NW PSU A-WB PC | -20 to +40 °C             |

| Order Code   | Full Product Name               | Ambient temperature range |
|--------------|---------------------------------|---------------------------|
| 911401502142 | BBP500 G4 LED180/NW PSU S-WB PC | -20 to +40 °C             |
| 911401502242 | BBP500 G4 LED180/NW PSU S-MB PC | -20 to +40 °C             |
| 911401502342 | BBP500 G4 LED180/NW PSU A-WB PC | -20 to +40 °C             |
| 911401594332 | BBP500 G4 LED140/NW PSU S-WB    | -40 to +50 °C             |
| 911401594432 | BBP500 G4 LED140/NW PSU S-MB    | -40 to +50 °C             |
| 911401594532 | BBP500 G4 LED140/NW PSU A-WB    | -40 to +50 °C             |
| 911401594932 | BBP500 G4 LED180/NW PSU S-WB    | -40 to +45 °C             |
| 911401595032 | BBP500 G4 LED180/NW PSU S-MB    | -40 to +45 °C             |
| 911401595132 | BBP500 G4 LED180/NW PSU A-WB    | -40 to +45 °C             |

