

# Mini 300 LED gen2

#### BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1

Mini300 LED gen2, 48, LED GreenLine 7300 lm, LED, 50 W, Power supply unit regulating external, Petrol asymmetric medium, Flat glass, 104° x 98°, Movement detection unit

With operating margins under pressure, companies are looking for ways to save energy. LED products like our Mini 300 LED gen2 luminaires are a perfect solution. Designed for petrol-station canopies and low-bay applications, these ultra-efficient retrofit fixtures offer outstanding light quality, effective thermal management, and a very long lifespan. Reduced maintenance, replacement and energy cost means a short payback period, making Mini 300 LED gen2 a shining example of how businesses can save money by opting for green products. A movement detector combined with a daylight sensor enables further energy savings. Our Mini 300 LED gen2 app gives users control in ways that are simply not possible with other luminaires — for instance, reading status and managing lighting from the floor by laptop or Smartphone via Bluetooth.

#### **Product data**

| General Information      |                               |
|--------------------------|-------------------------------|
| Lamp family code         | GRN73 [LED GreenLine 7300 lm] |
| Light source replaceable | Yes                           |
| Number of gear units     | 1 unit                        |
| Driver included          | Yes                           |
| Photocell                | -                             |
| Light source engine type | LED                           |
| Product family code      | BBP400 [Mini300 LED gen2]     |
| Lighting Technology      | LED                           |
| Embedded control         | Movement detection unit       |
| CE mark                  | Yes                           |

| Warranty period                | 5 years                          |
|--------------------------------|----------------------------------|
| Flammability mark              | -                                |
| ENEC mark                      | ENEC mark                        |
| Glow-wire test                 | Temperature 960 °C, duration 5 s |
| EU RoHS compliant              | No                               |
|                                |                                  |
| Light Technical                |                                  |
| Upward light output ratio      | 0                                |
| Luminous Flux                  | 7,700 lm                         |
| Standard tilt angle posttop    | O°                               |
| Standard tilt angle side entry | O°                               |

Datasheet, 2023, April 29 data subject to change

## Mini 300 LED gen2

| Correlated Color Temperature (Nom)     | 5700 K                                |
|--|---------------------------------------|
| Luminous Efficacy (rated) (Nom)        | 135 lm/W                              |
| Color rendering index (CRI)            | ≥70                                   |
| Number of light sources                | 48                                    |
| Light source color                     | 757 cool white                        |
| Optical cover type                     | Flat glass                            |
| Luminaire light beam spread            | 104° x 98°                            |
| Optic type outdoor                     | Petrol asymmetric medium              |
|  |                                       |
| Operating and Electrical               |                                       |
| Input Voltage                          | 220 to 240 V                          |
| Line Frequency                         | 50 to 60 Hz                           |
| Inrush current                         | 46 A                                  |
| Inrush time                            | 0.25 ms                               |
| Power Consumption                      | 50 W                                  |
| Power Factor (Fraction)                | 0.96                                  |
| Connection                             | Screw connection block 3-pole         |
| Cable                                  | Cable 2.0 m with screw connector      |
| Number of products on MCB of 16 A type | <b>B</b> 11                           |
| Temperature                            |                                       |
| Ambient temperature range              | -30 to +40 °C                         |
| Controls and Dimming                   |                                       |
| Dimmable                               | Yes                                   |
| Driver/power unit/transformer          | Power supply unit regulating external |
| Control interface                      | -                                     |
| Constant light output                  | No                                    |
| Mechanical and Housing                 |                                       |
| Housing Material                       | Aluminum                              |
| Reflector material                     | -                                     |
| Optic material                         | Acrylate                              |
| Optical cover material                 | Glass                                 |
| Fixation material                      | Steel                                 |
|  |                                       |
| Housing Color                          | White                                 |
| Mounting device                        | - Communication                       |
| Optical cover shape                    | Convex lens                           |
| Optical cover finish                   | Clear                                 |

| Overall length     413 mm       Overall width     413 mm       Overall height     95 mm       Effective projected area     0 m²       Dimensions (Height x Width x Depth)     95 x 413 x 413 mm       Approval and Application       Ingress protection code     IP65 [Dust penetration-protected, jet-proof]       Mech. impact protection code     IK08 [5 J vandal-protected]       Surge Protection (Common/Differential)     Philips standard surge protection level       Protection class IEC     Safety class I       Initial Performance (IEC Compliant)     Luminous flux tolerance       Initial chromaticity     (0.341, 0.329) SDCM <5       Power consumption tolerance     +/-7%       Init. Color Rendering Index Tolerance     +/-2       Over Time Performance (IEC Compliant)     The state of the   |  |  |
|--|--|--|
| Diverall height 95 mm  Effective projected area 0 m²  Dimensions (Height x Width x Depth) 95 x 413 x 413 mm  Approval and Application  Ingress protection code IP65 [Dust penetration-protected, jet-proof]  Mech. impact protection code IK08 [5 J vandal-protected]  Surge Protection (Common/Differential) Phillips standard surge protection level  Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-35/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-35/757 I PAM WH MDU CFRM-1  Full product code 06799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Overall length                         | 413 mm                                       |
| Effective projected area 0 m²  Dimensions (Height x Width x Depth) 95 x 413 x 413 mm  Approval and Application  Ingress protection code IP65 [Dust penetration-protected, jet-proof]  Mech. impact protection code IK08 [5 J vandal-protected]  Surge Protection (Common/Differential) Phillips standard surge protection level  Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Overall width                          | 413 mm                                       |
| Dimensions (Height x Width x Depth)  Approval and Application  Ingress protection code  Mech. impact protection code  Mech. impact protection (Common/Differential)  Fortection class IEC  Initial Performance (IEC Compliant)  Luminous flux tolerance  Initial chromaticity  Power consumption tolerance  Init. Color Rendering Index Tolerance  V-/-10%  Init. Color Rendering Index Tolerance  Initial rerate at 5000 h  O.1%  Application Conditions  Maximum dim level  Init. Performance  BBP400 GRN73-3S/7571 PAM WH MDU CFRM-1  Full product name  BBP400 GRN73-3S/7571 PAM WH MDU CFRM-1  Full product code  Order code  Order code  Order code  Order code  Material Nr. (I2NC)  Pumerator - Quantity Per Pack  Init. Pals y and a state of the product part of the part of the product part of the part of | Overall height                         | 95 mm  |
| Approval and Application Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I  Initial Performance (IEC Compliant) Luminous flux tolerance +/-7% Initial chromaticity (0.341, 0.329) SDCM <5 Power consumption tolerance +/-10% Initial Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.1%  Application Conditions Maximum dim level 10%  Product Data Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 06799300 Order code 06799300 Material Nr. (12NC) 910930205541 Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993 Numerator - Packs per outer box 1  | Effective projected area               | 0 m²   |
| Ingress protection code IKO8 [5   Dust penetration-protected, jet-proof]  Mech. impact protection code IKO8 [5 J vandal-protected]  Surge Protection (Common/Differential) Philips standard surge protection level  Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1  | Dimensions (Height x Width x Depth)    | 95 x 413 x 413 mm                            |
| Ingress protection code IKO8 [5   Dust penetration-protected, jet-proof]  Mech. impact protection code IKO8 [5 J vandal-protected]  Surge Protection (Common/Differential) Philips standard surge protection level  Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1  |  |  |
| Mech. impact protection code  Surge Protection (Common/Differential)  Protection class IEC  Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance  Initial chromaticity  (0.341, 0.329) SDCM <5  Power consumption tolerance  +/-10%  Init. Color Rendering Index Tolerance  +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h  O.1 %  Application Conditions  Maximum dim level  10%  Product Data  Order product name  BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code  871829106799300  Material Nr. (12NC)  Numerator - Quantity Per Pack  Initial Performance (IEC Compliant)  Philips standard surge protection level  +/-7%  Safety class I  Affections I  10%  BDCM <5  POWM <5  | Approval and Application               |  |
| Surge Protection (Common/Differential) Philips standard surge protection level  Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1  | Ingress protection code                | IP65 [Dust penetration-protected, jet-proof] |
| Protection class IEC  Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance   | Mech. impact protection code           | IK08 [5 J vandal-protected]                  |
| Initial Performance (IEC Compliant)  Luminous flux tolerance +/-7%  Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Surge Protection (Common/Differential) | Philips standard surge protection level      |
| Luminous flux tolerance +/-7% Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Protection class IEC                   | Safety class I                               |
| Luminous flux tolerance +/-7% Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   |  |  |
| Initial chromaticity (0.341, 0.329) SDCM <5  Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Initial Performance (IEC Compliant)    |  |
| Power consumption tolerance +/-10%  Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1%  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1  | Luminous flux tolerance                | +/-7%  |
| Init. Color Rendering Index Tolerance +/-2  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.1 %  Application Conditions  Maximum dim level 10%  Product Data  Order product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code 871829106799300  Order code 06799300  Material Nr. (12NC) 910930205541  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1   | Initial chromaticity                   | (0.341, 0.329) SDCM <5                       |
| Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h  Application Conditions  Maximum dim level  10%  Product Data  Order product name  BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product name  BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1  Full product code  871829106799300  Material Nr. (12NC)  910930205541  Numerator - Quantity Per Pack  1  EAN/UPC - Product/Case  8718291067993  Numerator - Packs per outer box  1  | Power consumption tolerance            | +/-10%                                       |
| Driver failure rate at 5000 h         0.1%           Application Conditions         10%           Maximum dim level         10%           Product Data         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   | Init. Color Rendering Index Tolerance  | +/-2   |
| Driver failure rate at 5000 h         0.1%           Application Conditions         10%           Maximum dim level         10%           Product Data         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   |  |  |
| Application Conditions           Maximum dim level         10%           Product Data           Order product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   | Over Time Performance (IEC Compli      | ant)   |
| Maximum dim level         10%           Product Data         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   | Driver failure rate at 5000 h          | 0.1 %  |
| Maximum dim level         10%           Product Data         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   |  |  |
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| Order product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   | Maximum dim level                      | 10%  |
| Order product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   |  |  |
| Full product name         CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   | Product Data                           |  |
| Full product name         BBP400 GRN73-3S/757 I PAM WH MDU CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1  | Order product name                     | BBP400 GRN73-3S/757 I PAM WH MDU             |
| Full product code         CFRM-1           Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1   |  | CFRM-1                                       |
| Full product code         871829106799300           Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1  | Full product name                      | BBP400 GRN73-3S/757 I PAM WH MDU             |
| Order code         06799300           Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1  |  | CFRM-1                                       |
| Material Nr. (12NC)         910930205541           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291067993           Numerator - Packs per outer box         1  | Full product code                      | 871829106799300                              |
| Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291067993Numerator - Packs per outer box1  | Order code                             | 06799300                                     |
| EAN/UPC - Product/Case 8718291067993  Numerator - Packs per outer box 1  | Material Nr. (12NC)                    | 910930205541                                 |
| Numerator - Packs per outer box 1  |  | 1  |
|  |  | 8718291067993                                |
| <b>EAN/UPC - Case</b> 8718291067993  | Numerator - Packs per outer box        | 1  |
|  | EAN/UPC - Case                         | 8718291067993                                |
|  |  |  |

## Mini 300 LED gen2

#### Dimensional drawing



