



GreenPerform Highbay G3

BY698P LED200/CW PSD WB L3000 EN

GreenPerform Highbay G3, 155 W, 20000 lm, 6500 K, DALI, 100°

Following the successful introduction of the GreenPerform Highbay G2 in 2013, while continue providing the superior light quality, long service lifetime, reduced energy consumption and less maintenance in the switch on-off (PSU) and Dali dimmable (PSD) versions, the new generation Highbay seamlessly integrates state-of-the-art LED lighting with an easy-to-use and reliable wireless ZIGBEE control solution (ACW) and simple movement detection solution (PIR). In the ACW version products, when the situation on the work floor changes, settings such as dimming levels and timing can be changed wirelessly by the end-users themselves. Luminaires can be combined in groups across the layout, and re-zoning them does not require a hardware change, thus minimizing commissioning costs. The system delivers savings over and above the actual efficiency of the LEDs and is future-proof. In the PIR version products, when there has no movement detected after 15 minutes, the lighting will dimming down to 25% of the lumen output, which helps to maximum your energy saving in a simple way. Easy to understand, easy to design-in, and easy to use, GreenPerform Highbay G3 is a smart way to light up your business.

Product data

| General Information | |
|--------------------------|----------------------------------|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Glow-wire test | Temperature 650 °C, duration 5 s |

| Flammability mark | For mounting on normally flammable |
|-------------------|------------------------------------|
| | surfaces |
| CE mark | CE mark |
| Warranty period | 3 years |
| | |
| Light Technical | |
| Luminous Flux | 20,000 lm |
| | |

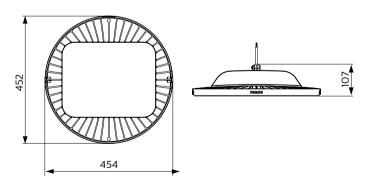
Datasheet, 2023, September 4 data subject to change

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| Correlated Color Temperature (Nom) | 6500 K |
|--|---------------------------------------|
| Luminous Efficacy (rated) (Nom) | 129 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 865 cool daylight |
| Optic type | Wide beam |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 100° |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 155 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Flying leads/wires |
| Cable | Cable 3.0 m without plug |
| Number of products on MCB of 16 A type | 8 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | -30 to +50 °C |
| | |
| Controls and Dimming | |
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |
| | |
| Mechanical and Housing | |
| Housing Material | Aluminum die cast |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Housing Color | Dark gray |

| Overall height 107 mm Overall diameter 452 mm Approval and Application Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.313.0.324)SDCM<5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.01 % Median useful life L70B50 50,000 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Packs per outer box 1 | Optical cover finish | Clear |
|---|-------------------------------------|--|
| Approval and Application Ingress protection code | Overall height | 107 mm |
| Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.313.0.324)SDCM<5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Overall diameter | 452 mm |
| Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.313.0.324)SDCM<5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | | |
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| Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.313.0.324)SDCM<5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.01 % Median useful life L70B50 50,000 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Median useful life L90B50 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Mech. impact protection code | IKO7 [2 J reinforced] |
| Luminous flux tolerance +/-10% Initial chromaticity (0.313.0.324)SDCM<5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.01 % Median useful life L70B50 50,000 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Median useful life L90B50 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Protection class IEC | Safety class I |
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| Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.01 % Median useful life L70B50 50,000 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Luminous flux tolerance | +/-10% |
| Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 Median useful life L90B50 Application Conditions Maximum dim level Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 0.01 % | Initial chromaticity | (0.313.0.324)SDCM<5 |
| Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 Median useful life L90B50 Median useful life L90B50 Application Conditions Maximum dim level Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Power consumption tolerance | +/-10% |
| Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 Median useful life L90B50 Median useful life L90B50 Application Conditions Maximum dim level Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | | |
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| Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Driver failure rate at 5000 h | 0.01 % |
| Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Median useful life L70B50 | 50,000 hour(s) |
| Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Median useful life L80B50 | 40,000 hour(s) |
| Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Median useful life L90B50 | 30,000 hour(s) |
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| Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | Suitable for random switching | No |
| Order product name BY698P LED200/CW PSD WB L3000 EN Full product name BY698P LED200/CW PSD WB L3000 EN Full product code 911401845399 Order code 911401845399 Material Nr. (12NC) 911401845399 Numerator - Quantity Per Pack 1 | | |
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| | Material Nr. (12NC) | 911401845399 |
| Numerator - Packs per outer box 1 | Numerator - Quantity Per Pack | 1 |
| | Numerator - Packs per outer box | 1 |

Dimensional drawing



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