

BY102P LED260S/840  
PSU WB

911401646307



CoreLine Value Highbay, 187 W, 26000 lm, 4000 K, Wide beam, IP65, IK06

Aluminium die-cast ADC1 - alloy grade (EN AC-47100), Gray, Power supply unit (On/Off), 26000 lm, 187 W, 139 lm/W, 4000 K, (0.385, 0.380) SDCM<5, Wide beam, Matte, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK06 | 1 J, Safety class I, Connection unit 3-pole

General Information

|                          |             |
|--------------------------|-------------|
| Light source replaceable | No          |
| Number of gear units     | 1 unit      |
| Driver included          | Yes         |
| Service tag              | Yes         |
| Lighting Technology      | LED         |
| Value ladder             | Performance |
| Warranty period          | 5 years     |

Light Technical

|                                    |                   |
|------------------------------------|-------------------|
| Luminous Flux                      | 26,000 lm         |
| Saturated Red (R9)                 | <50               |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 139 lm/W          |
| Color rendering index (CRI)        | >80               |
| Light source color                 | 840 neutral white |
| Optic type                         | Wide beam         |
| Luminaire light beam spread        | 90°               |
| Unified glare rating CEN           | 29                |

## Operating and Electrical

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Input Voltage                            | 220 to 240 V                      |
| Line Frequency                           | 50 or 60 Hz                       |
| Inrush current                           | 54 A                              |
| Inrush time                              | 0.75 ms                           |
| Power Consumption                        | 187 W                             |
| Power Factor (Fraction)                  | 0.95                              |
| Connection                               | Connection unit 3-pole            |
| Cable                                    | Cable 0.3 m with connector 3-pole |
| Number of products on MCB of 16 A type B | 6                                 |
| Suitable for random switching            | No                                |
| Protection class IEC                     | Safety class I                    |
| Total harmonic distortion                | 15 %                              |

## Controls and Dimming

|                               |                            |
|-------------------------------|----------------------------|
| Dimmable                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface             | -                          |
| Constant light output         | No                         |

## Mechanical and Housing

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| Housing Material             | Aluminium die-cast ADC1 - alloy grade (EN AC-47100) |
| Reflector material           | Polycarbonate                                       |
| Optic material               | Polycarbonate                                       |
| Optical cover material       | Polycarbonate                                       |
| Fixation material            | Steel                                               |
| Housing Color                | Gray                                                |
| Optical cover finish         | Matte                                               |
| Overall height               | 99 mm                                               |
| Overall diameter             | 358 mm                                              |
| Ingress protection code      | IP65 [Dust penetration-protected, jet-proof]        |
| Mech. impact protection code | IK06 [1 J]                                          |
| Net Weight (Piece)           | 3.000 kg                                            |

## Approval and Application

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Glow-wire test                     | Temperature 650 °C, duration 30 s |
| Flammability mark                  | -                                 |
| CE mark                            | Yes                               |
| ENEC mark                          | -                                 |
| Photobiological risk specification | 0.4 m                             |
| EU RoHS compliant                  | Yes                               |
| Performance ambient temperature Tq | 35 °C                             |
| Ambient temperature range          | -20 to +45 °C                     |

## Initial Performance (IEC Compliant)

|                                                        |                       |
|--------------------------------------------------------|-----------------------|
| Luminous flux tolerance                                | +/-10%                |
| Initial chromaticity                                   | (0.385, 0.380) SDCM<5 |
| Power consumption tolerance                            | +/-10%                |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5                |

## Over Time Performance (IEC Compliant)

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| Control gear failure rate at median useful life 50000 h             | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L70 |

## Sustainability Data

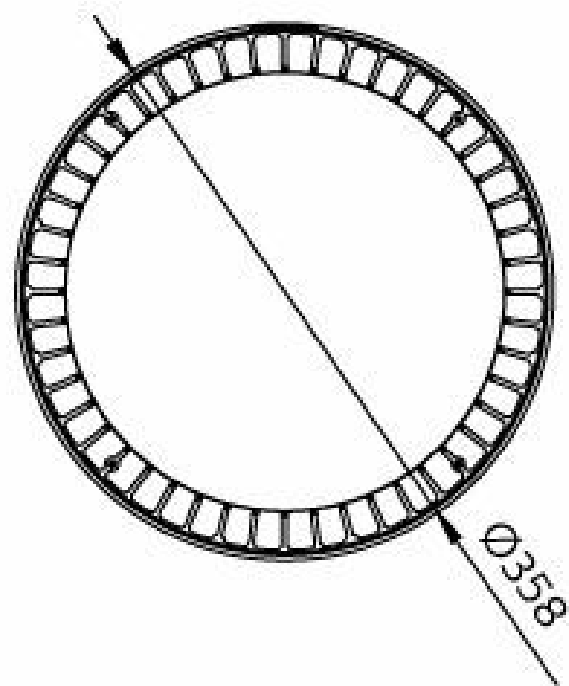
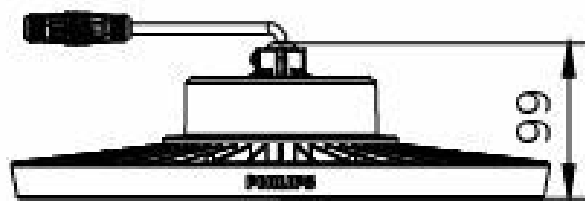
|                                                      |                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainability rating                                | Unclassified                                                                                                                                                                       |
| Repair class                                         | Repair Class D, this product is not designed to be repaired.                                                                                                                       |
| Embedded carbon (A1-A3)                              | 58.3 kg CO <sub>2</sub> e                                                                                                                                                          |
| Product non-virgin material ratio                    | 14.2 %                                                                                                                                                                             |
| Recyclable content ratio of the finished product     | 65.5 %                                                                                                                                                                             |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)                         |
| GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh) |
| Non-virgin material ratio of the packaging           | Cardboard > 80% recycled                                                                                                                                                           |
| Packaging Recyclable content ratio                   | Cardboard recycling rate > 80%                                                                                                                                                     |
| Packaging Material                                   | Cardboard                                                                                                                                                                          |

Product Data

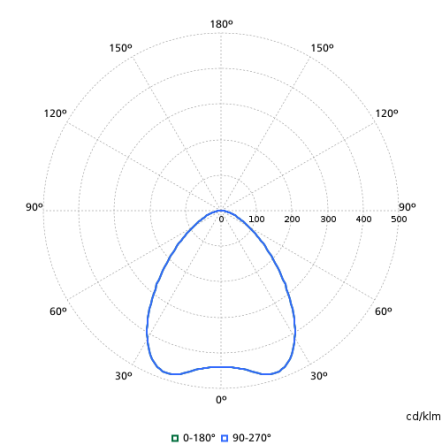
|                    |                           |
|--------------------|---------------------------|
| Order product name | BY102P LED260S/840 PSU WB |
| Full product name  | BY102P LED260S/840 PSU WB |
| Full product code  | 871951452922900           |
| Order code         | 52922900                  |

|                                 |               |
|---------------------------------|---------------|
| Material Nr. (12NC)             | 911401646307  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8719514529229 |
| Numerator - Packs per outer box | 1             |
| EAN/UPC - Case                  | 8719514529229 |

Dimensional drawing



Polar normal diagrams



Compatible Accesories

| Accessory Image                                                                     | Accessory Code | Accessory Name | Website                         |
|-------------------------------------------------------------------------------------|----------------|----------------|---------------------------------|
|    | 911401676807   | BY100Z BR L215 | <a href="#">Product Website</a> |
|  | 911401677107   | BY101Z ALU     | <a href="#">Product Website</a> |
|  | 911401677207   | BY102Z ALU     | <a href="#">Product Website</a> |

Related Documents

| Documents and certificates        | Document Name                                         | Download                 |
|-----------------------------------|-------------------------------------------------------|--------------------------|
| Environmental Product Declaration | EPD-Philips-CoreLine-Value-Highbay-911401646307.pdf   | <a href="#">Download</a> |
| Installation Instructions         | CoreLine Value highbay MI_v2.pdf                      | <a href="#">Download</a> |
| Installation Instructions         | CoreLine_Value_Highbay_ BY100P_101P_102P_PSU-MI_1.pdf | <a href="#">Download</a> |
| Photometric and IES               | Document Name                                         | Download                 |
| LDT File                          | LDT File - 911401646307.ltd                           | <a href="#">Download</a> |
| ROLF File                         | ROLF File - 911401646307.rolfz                        | <a href="#">Download</a> |
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