



Libra - balance between elegant design and LED energy efficiency

Libra LED

The elegantly styled Libra luminaire is also available in an LED version. As a fundamental element of the overall design, the bowl has been retained. Consequently, existing Libra luminaires can be retrofitted as LED fixtures by using the Philips standardized Ledgine O engine.

Benefits

- Versatile and efficient LED lighting solution in established luminaire family
- Sustainable and energy-saving solution with dimming options
- Elegant design, easy installation and maintenance
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Wide variety of Ledgine O optics and LED configurations for different road profiles
- One luminaire family for a broad range of outdoor applications
- Solid and stylish construction
- Saves energy and reduces carbon footprint
- Easy installation; also retrofit solution for installed base

Libra LED

Application

- Traffic routes: urban main roads, cycle paths, pedestrian crossings, roundabouts, parking areas
- Residential: streets, cycle paths and footpaths, roundabouts, squares/parks and playgrounds, parking areas
- City centers: boulevards and avenues, side streets, pedestrian crossings, squares and parks, public transport, cycle paths and footpaths, parking areas
- Large outdoor areas: industrial areas, harbors, airports, waterways, rail yards

Specifications

Type	BGP630 (Post top / side entry small version) BGP631 (Side entry small version) BGP632 (Post top 0° small version) BGP635 (Post top/side entry large version) BGP636 (Side entry large version) BGP637 (Post top 0° large version)
Light source	Built-in LED-module
Power	11 to 43 W in standard versions, depending on configuration
Luminous flux	1100 to 4750 lm in standard versions, depending on configuration
Luminaire efficacy	92 to 115 lm/W in standard versions, depending on configuration

Correlated Color	3000 K (WW)
Temperature	4000 K (NW) 5700 K (CW)
Color Rendering Index	75
Maintenance of lumen output - L80F10	GreenLine: 95.000 hours EconomyLine: 65.000 hours
Driver failure rate	0,1% per 1000 hours
Operating temperature range	-20 to +35 °C
Driver	Integrated
Mains voltage	220-240 V / 50-60 Hz

Specifications

Dimming	DynaDimmer SDU
Controls system input	1-10 V / DALI
Options	Including cable Class II version Wired for cell (WFC), mini Photocell or NEMA socket
Optic	Standard (SRN), narrow (NRN) or wide (WRN) road optic for S-class Standard road optic for ME-class (MRN) Distribution pedestrian crossing left (DP-L) or right (DP-R) optic
Optical element	Micro lens optic
Optical cover	Bowl, polycarbonate
Material	Housing: die-cast aluminum Bowl: impact resistant UV stabilized clear polycarbonate Gear tray: steel plate with white reflection coating Spigot: die-cast aluminum Lens: PMMA

Color	Grey aluminum (RAL 9007) Other RAL colors available on request
Connection	Plug / socket connector
Maintenance	Tool-less access by stainless steel clips, bowl hinges sideways and is held captively on opening
Installation	Post-top mounting: axial entry Ø 60 - 76 mm (76P) Side-entry mounting: lateral entry Ø 32-60 mm (60S) Recommended mounting height: 6-10 m Max SCx: 0.10 m ² (small versions), 0.13 m ² (large versions)
Cable gland	M20
Accessories	Adapter for Ø 60 mm post top

Libra LED

Versions



LIBRA LED 65 - LED module 4700 lm

Product details



Libra_LED-BGP630-2DPP.TIF



Libra_LED-BGP630-1DPP.TIF

Application Conditions

Maximum dim level	Not applicable
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Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

Controls and Dimming

Dimmable	No
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General Information

CE mark	CE mark
Optical cover/lens type	Polycarbonate bowl/cover clear
Driver included	Yes
Flammability mark	-
Light source replaceable	No
Number of gear units	1 unit

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.4

Mechanical and Housing

Color	Aluminum
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General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family	
				code	Optic type
910925864449	BGP630 LED47-4S/740 DM50 ALU SRG10 SI 76	154° - 31° x 54°	740 neutral white	LED47	Distribution medium 50
910925864450	BGP630 LED20-4S/740 DW50 ALU SRG10 SI 76	152° - 24° x 66°	740 neutral white	LED20	Distribution wide 50
910925864451	BGP630 LED22-4S/830 DM50 ALU SRG10 SI 76	154° - 31° x 54°	830 warm white	LED22	Distribution medium 50
910925864452	BGP630 LED35-4S/740 DM50 ALU SRG10 SI 76	154° - 31° x 54°	740 neutral white	LED35	Distribution medium 50
910925864453	BGP631 LED20-4S/740 DM50 ALU SRG10 SI 32	154° - 31° x 54°	740 neutral white	LED20	Distribution medium 50
910925864454	BGP635 LED41-4S/740 DM50 ALU SRG10 SI 76	154° - 31° x 54°	740 neutral white	LED41	Distribution medium 50
910925864455	BGP635 LED42-4S/830 DW50 ALU SRG10 SI 76	152° - 24° x 66°	830 warm white	LED42	Distribution wide 50
910925864456	BGP636 LED47-4S/740 DM50 ALU SRG10 SI 32	154° - 31° x 54°	740 neutral white	LED47	Distribution medium 50
910925864457	BGP636 LED30-4S/740 DM50 ALU SRG10 SI 32	154° - 31° x 54°	740 neutral white	LED30	Distribution medium 50

General Information (2/2)

Order Code	Full Product Name	Product	
		Family Code	Service tag
910925864449	BGP630 LED47-4S/740 DM50 ALU SRG10 SI 76	BGP630	Yes
910925864450	BGP630 LED20-4S/740 DW50 ALU SRG10 SI 76	BGP630	-
910925864451	BGP630 LED22-4S/830 DM50 ALU SRG10 SI 76	BGP630	-
910925864452	BGP630 LED35-4S/740 DM50 ALU SRG10 SI 76	BGP630	-
910925864453	BGP631 LED20-4S/740 DM50 ALU SRG10 SI 32	BGP631	-

Order Code	Full Product Name	Product	
		Family Code	Service tag
910925864454	BGP635 LED41-4S/740 DM50 ALU SRG10 SI 76	BGP635	-
910925864455	BGP635 LED42-4S/830 DW50 ALU SRG10 SI 76	BGP635	-
910925864456	BGP636 LED47-4S/740 DM50 ALU SRG10 SI 32	BGP636	-
910925864457	BGP636 LED30-4S/740 DM50 ALU SRG10 SI 32	BGP636	-

Initial Performance (IEC Compliant)

Libra LED

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
910925864449	BGP630 LED47-4S/740 DM50 ALU SRG10 SI 76	4000 K	70	4230 lm
910925864450	BGP630 LED20-4S/740 DW50 ALU SRG10 SI 76	4000 K	70	1760 lm
910925864451	BGP630 LED22-4S/830 DM50 ALU SRG10 SI 76	3000 K	80	2002 lm
910925864452	BGP630 LED35-4S/740 DM50 ALU SRG10 SI 76	4000 K	70	3150 lm
910925864453	BGP631 LED20-4S/740 DM50 ALU SRG10 SI 32	4000 K	70	1800 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
910925864454	BGP635 LED41-4S/740 DM50 ALU SRG10 SI 76	4000 K	70	3690 lm
910925864455	BGP635 LED42-4S/830 DW50 ALU SRG10 SI 76	3000 K	80	3696 lm
910925864456	BGP636 LED47-4S/740 DM50 ALU SRG10 SI 32	4000 K	70	4230 lm
910925864457	BGP636 LED30-4S/740 DM50 ALU SRG10 SI 32	4000 K	70	2730 lm

