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 thePhilips standerdized 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)	**Correlated Color**	3000 K (WW)
	BGP631 (Side entry small version)	**Temperature**	4000 K (NW)
	BGP632 (Post top 0º small version)		5700 K (CW)
	BGP635 (Post top/side entry large version)	**Color Rendering Index**	75
	BGP636 (Side entry large version)	**Maintenance of lumen**	GreenLine: 95.000 hours
	BGP637 (Post top 0º large version)	**output – L80F10**	EconomyLine: 65.000 hours
Light source	Built-in LED-module	**Driver failure rate**	0,1% per 1000 hours
Power	11 to 43 W in standard versions, depending on configuration	**Operating temperature**	–20 to +35 ºC
Luminous flux	1100 to 4750 lm in standard versions, depending on configuration	**range**	
		Driver	Integrated
Luminaire efficacy	92 to 115 lm/W in standard versions, depending on configuration	**Mains voltage**	220-240 V / 50-60 Hz

Specifications

Dimming	DynaDimmer	**Color**	Grey aluminum (RAL 9007)
	SDU		Other RAL colors available on request
Controls system input	1-10 V / DALI	**Connection**	Plug / socket connector
Options	Including cable	**Maintenance**	Tool-less access by stainless steel clips, bowl hinges sideways
	Class II version		and is held captively on opening
	Wired for cell (WFC), mini Photocell or NEMA socket	**Installation**	Post-top mounting: axial entry Ø 60 - 76 mm (76P)
Optic	Standard (SRN), narrow (NRN) or wide (WRN) road optic for S-class		Side-entry mounting: lateral entry Ø 32–60 mm (60S)
			Recommended mounting height: 6-10 m
	Standard road optic for ME-class (MRN)		Max SCx: 0.10 m² (small versions), 0.13 m² (large versions)
	Distribution pedestrian crossing left (DP-L) or right (DP-R) optic	**Cable gland**	M20
Optical element	Micro lens optic	**Accessories**	Adapter for Ø 60 mm post top
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		

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Versions

LIBRA LED 65 – LED module 4700 lm

Product details

Libra_LED-BGP630-2DPP.TIF

Libra_LED-BGP630-1DPP.TIF

Libra LED

Application Conditions

Maximum dim level	Not applicable

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

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

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	–
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	1780 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	1820 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