

Lighting Solutions that Care for the Environment _





Lighting Specification:

Frizington PFS, 1 Main St, Frizington, Copeland CA26 3SA

(Please refer to colour coded illuminance drawing ref: BP142)

Exterior Lighting

The proposed installation consists of highly efficient, 150w low energy luminaires. The canopy lighting layout is designed using Asymmetric (A2) type BBP400 ECO151 PAM (2no) and Bisymmetric (A1) type BBP400 ECO151 PRM (6no) luminaires to provide a high degree of illumination control onto the pump islands and minimise unwanted light outside the canopy area.

Floodlighting (B1) type Philips Clearway ref: BGP303 LED 49/740 (3no) and (B2) type Philips Clearway ref: BGP303 LED 122/740 (2no) and (B3) type Philips ref: Luma Gen 2. BGP704 80LED DW50 @20deg.tilt and 1.25m extension arm bracket (1no) are at 5m mounting height and concentrated to provide minimum levels of light for safety. Control of beam direction (below 70 degrees) is provided by the luminaire's advanced reflector system located within a deep profile style housing enabling sharp cut off, avoiding glare, spill-light and night sky pollution.

Bulkhead lighting (C) type Philips FWC LED BWC 120 LED (5no) are wall mounted at 2.4m height to shop perimeter for proximity illumination and pedestrian safety. Shop front soffit lighting (D) is provided by fully recessed downlights type Philips Coreline DN140B LED luminaires (6no). Bulkhead floodlight (E) type Thorn Piazza Il LED ref: 96666256 is wall mounted at 1.8m height to provide controlled proximity illumination.

Impact on neighbouring residences by the new scheme

The designed illumination levels under the canopy are shown on the proposed colour coded illuminance drawing (BP142).

Existing and proposed boundary treatments to adjacent public roads and property means that spill levels of light will be negligible.

The benefit of new technology and good lighting design will provide a high degree of control eliminating boundary spillage of light. Any spillage of light to the boundaries adjacent to the public highway does not exceed the existing street lighting illuminance level.

GWLC 1/3/22





BGP303 LED49-3S/740 PSU II DM C450CE 42/

ClearWay - LED module 4900 lm - 3rd generation, screw fixation - 740 neutral white - Power supply unit - Safety class II - Philips standard surge protection level - Cable 0.45 m with connector 2-pole - Universal for diameter 42 to 60 mm

LED technology represents a breakthrough in lighting in many different respects. The light quality provided by LEDs, for example, has made our roads safer, while the tremendous efficacy of LEDs is helping cities reduce their energy bills. At Philips, we believe we can make even more roads safer, and help more municipalities achieve their goal of reducing energy consumption. That's why we have developed ClearWay – a LED road luminaire that is affordable yet does not compromise on light quality and energy efficiency.

Product data

General Information	
Number of light sources	1 pc
Lamp family code	LED49 [LED module 4900 lm]
Lamp version	3S [3rd generation, screw fixation]
Light source color	740 neutral white
Kombipack	Lamp(s) included
Light source replaceable	No
Number of gear units	1 unit
Gear	EBP [Electronic Primalume]
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optical cover/lens type	Flat glass
Luminaire light beam spread	95° x 160°
Embedded control	-

Light regulation	-	
Connection	Screw connection block 5-pole	
Cable	Cable 0.45 m with connector 2-pole	
Protection class IEC	Safety class II	
Standard RAL color	Light gray	
Coating	-	
Ready-to-install	Ready-to-install	
Glow-wire test	Temperature 960 °C, duration 5 s	
Flammability mark	For mounting on normally flammable	
	surfaces	
Country version	NO [Norway]	
CE mark	CE mark	
ENEC mark	ENEC mark	
Warranty period	3 years	

Datasheet, 2019, April 2 data subject to change

Optic type outdoor	Distribution medium
Photocell	-
Gland for mains supply	Cable gland 1x PG 13 mm
Gland material	Cable gland plastic
Constant light output	No
Number of products on MCB of 16 A type	11
В	
RoHS mark	-
WEEE mark	-
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with
	serviceable parts (when applicable): LED
	board, driver, control units, surge protection
	device, optics, front cover and mechanical
	parts
Product family code	BGP303 [ClearWay]
Light Technical	
Light Distribution	Direct lighting
Upward light output ratio	0
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Operating and Electrical	
Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Factor (Min)	0.97
Power Factor (Nom)	0.95
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover/lens material	Tempered glass
Fixation material	Steel
Mounting device	Universal for diameter 42 to 60 mm

Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Torque	15
Overall length	481 mm
Overall width	330 mm
Overall height	97 mm
Effective projected area	0.029 m²
Color	Gray
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	4328 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	101 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	42.5 W
Power consumption tolerance	+/-11%
Application Conditions	
Ambient temperature range	-30 to +35 ℃
Product Data	
Full product code	871829187558100
Order product name	BGP303 LED49-3S/740 PSU II DM C450CE
	42/
EAN/UPC - Product	8718291875581
Order code	910925438855
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925438855



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BGP303 LED122-3S/740 PSU II DM C450CE 42

ClearWay - LED module 12200 lm - 3rd generation, screw fixation - 740 neutral white - Power supply unit - Safety class II (II) - Philips standard surge protection level kV - Cable 450 mm with connector 2-pole - Universal for diameter 42-60 mm

LED technology represents a breakthrough in lighting in many different respects. The light quality provided by LEDs, for example, has made our roads safer, while the tremendous efficacy of LEDs is helping cities reduce their energy bills. At Philips, we believe we can make even more roads safer, and help more municipalities achieve their goal of reducing energy consumption. That's why we have developed ClearWay – a LED road luminaire that is affordable yet does not compromise on light quality and energy efficiency.

Product data

Connection	Screw connection block 5-pole
Cable	Cable 450 mm with connector 2-pole
Protection class IEC	Safety class II (II)
Standard RAL color	Pale gray
Coating	-
Ready-to-install	Ready-to-install
Glow-wire test	960/5 [Temperature 960 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Country version	NO [Norway]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	3 years
Optic type outdoor	Distribution medium
Photocell	No [-]
Gland for mains supply	1PG13 [Cable gland 1x PG 13 mm]

Datasheet, 2018, March 12 data subject to change

Cable gland plastic No 8 LED Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting] 0	
8 LED Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting] 0	
- LED Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting]	
Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting]	
Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting]	
Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting]	
parts (when applicable): LED board, driver, contro units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting] 0	
units, surge protection device, optics, front cover and mechanical parts BGP303 [ClearWay] DIR [Direct lighting] 0	
and mechanical parts BGP303 [ClearWay] DIR [Direct lighting] 0	
BGP303 [ClearWay] DIR [Direct lighting]	
DIR [Direct lighting]	
0	
0	
0	
0°	
0°	
220-240 V	
50 to 60 Hz	
53 A	
0.3 ms	
0.98	
0.98	
No	
INU	
Aluminum	
Polycarbonate	
Acrylate	
Tempered glass	
Steel	
42/60 [Universal for diameter 42-60 mm]	
Flat	
Clear	
15	
481 mm	

Overall width	330 mm
Overall height	97 mm
Effective projected area	0.029 m²
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level kV
Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	10237 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	95 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	105.7 W
Power consumption tolerance	+/-11%
Over Time Performance (IEC Comp	liant)
Driver failure rate at 5000 h	0.5 %
Useful life L80B10	100000 h
Application Conditions	
Application Conditions	
Ambient temperature range	-30 to +35 °C
	-30 to +35 °C 25 °C
Ambient temperature range	
Ambient temperature range Average ambient temperature Product Data	
Ambient temperature range Average ambient temperature Product Data Full product code	25 °C
Ambient temperature range Average ambient temperature Product Data	25 °C 871829187561100
Ambient temperature range Average ambient temperature Product Data Full product code Order product name EAN/UPC - Product	25 °C 871829187561100 BGP303 LED122-3S/740 PSU II DM C450CE 42 8718291875611
Ambient temperature range Average ambient temperature Product Data Full product code Order product name EAN/UPC - Product Order code	25 °C 871829187561100 BGP303 LED122-3S/740 PSU II DM C450CE 42
Ambient temperature range Average ambient temperature Product Data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack	25 °C 871829187561100 BGP303 LED122-3S/740 PSU II DM C450CE 42 8718291875611 87561100
Ambient temperature range Average ambient temperature Product Data Full product code Order product name EAN/UPC - Product Order code	25 °C 871829187561100 BGP303 LED122-3S/740 PSU II DM C450CE 42 8718291875611 87561100







Luma gen2 – The standard in road lighting, redefined

Luma gen2

Luma gen2 is the next generation of the Luma LED luminaire family, fully optimised to become your long-term lighting and innovation partner. While keeping the distinctive design characteristics of the first generation, Luma gen2 gives you the benefits of the latest technologies thanks to its future-proof System Ready architecture, use of optimised Ledgine LED and optical platform ensuring best-inclass lighting performance in a broad range of applications. It also offers improved serviceability. Installation has also become easier and faster, and thanks to the Service tag, you have access to all relevant documentations onsite. Also, the cable feed-through has been redesigned and access to the gear components is easy thanks to top down tool-less access.Luma gen2 also offers all connectivity and dimming options available today and thanks to being System Ready, it can also to be paired with lighting management systems such as Interact City or existing and upcoming sensor innovations. The Luma gen2 has been developed to optimise and simplify spare part repair and maintenance work using a new plug-and-play GearFlex module containing all electrical components in an easy to handle and accessible box inside the housing. As a company conscious about the impact of light on the environment and biodiversity, we also equipped the Luma gen2 with dedicated light recipes that help with maintaining the optimal ecosystems for bats or preserve a dark night sky.

Luma gen2

Benefits

- Ease of maintenance and spare part repair enabled through the dedicated GearFlex module
- · Best-in-class efficiency and light performance in a broad range of applications
- · Future-ready thanks to the SR (System Ready) socket
- The luminaire is also equipped with dedicated light recipes that help with: 1) maintaining the optimal ecosystems for bats 2) preserve a dark night sky and reduce light pollution
- Equipped with a service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Dedicated GearFlex module enabling faster, safer and tool-less maintenance
- \cdot New cable feed-through for easy installation
- Ready to be connected to the Interact City lighting management software
- Ready to be paired with third-party lighting management systems and sensors
- Tilt now with 2-5-degree precision
- Efficacy up to 155 lm/W
- · Choice of 40+ different beams and the option of different internal louvres
- · Further optimisation on performance flux level enabled by the Philips L-Tune
- · Surge protection up to 10 kV
- Wide range of lumen packages, ranging from 1,000 to 55,000 lm

Application

- Motorways, inter-urban main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, petrol stations, rail yards, airports, harbours, waterways

Specifications

Ambient Temperature	-40 to +50 °C
Main colour of the	Grey
luminaire	
Dimming	No, yes
Driver	Power supply unit with DALI and SystemReady interface
	(Power supply unit with DALI and SystemReady interface)
Driver failure rate at	0.005 %
5,000 h in %	
Initial correlated colour	1000 K, 3000 K, 4000 K
temperature	
Initial input power	21.5 W, 25 W, 38 W, 40.5 W, 52 W, 6.1 W, 74 W, 83 W, 87 W, 91 W
Initial LED luminaire	86, 111, 119, 120, 142, 144, 146, 148, 153, 155 lm/W
efficacy	
Initial luminous flux	10800 lm, 10920 lm, 12740 lm, 13500 lm, 3185 lm, 3600 lm,
	4482 lm, 4500 lm, 5400 lm, 728 lm
Input frequency	50 to 60 Hz
Input voltage	220 to 240 V
Inrush current (A)	4, 11.5, 18, 21 A

510 ClearField, 740 neutral white, 830 warm white
Yes
Bracket:
Gear box:
Housing: aluminium die–cast
Distribution medium 10, distribution medium 11, distribution
medium 50
Polymethyl methacrylate
Luminaire surge protection level up to 6 kV differential mode
and 8 kV common mode
Standard tilt angle post-top: 0°Standard tilt angle side entry: -
BGP701
BGP702
BGP703
BGP704
BGP705

Luma gen2

Versions



LUMA GEN2 MICRO - LED module 6000 lm - LED - 70° x 37°



LUMA GEN2 MINI - LED module 12000 lm - LED - 154° - 31° x 54°



LUMA GEN2 MEDIUM - LED module 14000 lm - LED - 154° - 31° x 54°



LUMA GEN2 MEDIUM - LED module 14000 lm - LED - 70° x 37°



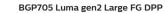
LUMA GEN2 LARGE - LED module 12000 lm - LED - 154° - 31° x 54°



LUMA GEN2 NANO - LED Module, system flux 800 lm - LED - 160° -42° x 54°



Product details







BGP705 Luma gen2 Large Open1 DPP

BGP701 Luma gen2 Nano FG DPP





BGP701 Luma gen2 Nano Open2 DPP

Maximum dim level	Net engliseld
Maximum dim level	Not applicable
Approval and Application	
Surge Protection (Common/	Luminaire surge
Differential)	protection level
	up to 6 kV
	differential mode
	and 8 kV common
	mode
General Information	
CE mark	CE mark
Optical cover/lens type	G
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Number of gear units	1 unit
Light Technical	
Standard tilt angle side entry	-
Standard tilt angle posttop	O°
Upward light output ratio	0
Mechanical and Housing	
Meeriameat and mousing	

Full Product Name	Driver failure rate at 5000 h
BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	0.005 %
BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	0.005 %
BGP702 LW10 LED50-4S/830 DM11 GF CTGO	0.005 %
BGP703 LED120-4S/740 DM50 GF SRT SRB 60	0.005 %
BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	0.005 %
BGP704 LED140-4S/740 DM50 GF SRT SRB 60	0.005 %
BGP704 LW10 LED120-4S/830 DM11 GF CTGO	0.005 %
BGP704 LED140-4S/740 DM11 GF EZR SRB	0.005 %
BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	0.005 %
BGP701 LED8-4S/740 DM11 FG GR 42/60P	-
BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	-
BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	-
BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	-
	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7 BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7 BGP702 LW10 LED50-4S/830 DM11 GF CTGO BGP703 LED120-4S/740 DM50 GF SRT SRB 60 BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7 BGP704 LED140-4S/740 DM50 GF SRT SRB 60 BGP704 LW10 LED120-4S/830 DM11 GF CTGO BGP704 LED140-4S/740 DM11 GF SRT SRB BGP705 LED150-4S/740 DM11 GF SRT SRB 60/ BGP701 LED8-4S/740 DM11 FG GR 42/60P BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6 BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG

Approval and Application

Luma gen2

		Mech. impact
Order Code	Full Product Name	protection code
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	IK09
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	IK09
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	IK09
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	IK09
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	IK09
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	IK09
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	IK09

	Mech. impact
Full Product Name	protection code
BGP704 LED140-4S/740 DM11 GF EZR SRB	IK09
BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	IK09
BGP701 LED8-4S/740 DM11 FG GR 42/60P	IK10
BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	IK09
BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	IK09
BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	IK09
	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/ BGP701 LED8-4S/740 DM11 FG GR 42/60P BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6 BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG

Controls and Dimming

Order Code	Full Product Name	Dimmable
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	No
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	No
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	Yes
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	No
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	No
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	No
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	Yes

Order Code	Full Product Name	Dimmable
05977100	BGP704 LED140-4S/740 DM11 GF EZR SRB	No
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	No
10583600	BGP701 LED8-4S/740 DM11 FG GR 42/60P	No
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	No
10585000	BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	Yes
10586700	BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	No

General Information (1/2)

		Luminaire		Lamp	
		light beam	Light source	family	
Order Code	Full Product Name	spread	colour	code	Optic type
05966500	BGP702	70° x 37°	740 neutral	LED60	Distribution
	LED60-4S/740		white		medium 11
	DM11 GF SRT SRB				
	60/7				
05967200	BGP702	73° x 44°	740 neutral	LED40	Distribution
	LED40-4S/740		white		medium 10
	DM10 GF SRT SRB				
	60/7				
05968900	BGP702 LW10	70° x 37°	830 warm	LED50	Distribution
	LED50-4S/830		white		medium 11
	DM11 GF CTGO				
05970200	BGP703	154° - 31° x	740 neutral	LED120	Distribution
	LED120-4S/740	54°	white		medium 50
	DM50 GF SRT SRB				
	60				
05972600	BGP703	70° x 37°	510	LED54	Distribution
	LED54-4S/610		ClearField		medium 11
	DM11 GF SRT SRB				
	60/7				
05974000	BGP704	154° - 31° x	740 neutral	LED140	Distribution
	LED140-4S/740	54°	white		medium 50
	DM50 GF SRT SRB				
	60				
05976400	BGP704 LW10	70° x 37°	830 warm	LED120	Distribution
	LED120-4S/830		white		medium 11

Order Code	Full Product Name	Luminaire light beam spread	Light source	Lamp family code	Optic type
05977100	BGP704 LED140-4S/740 DM11 GF EZR SRB	70° x 37°	740 neutral white	LED140	Distribution medium 11
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	70° x 37°	740 neutral white	LED150	Distribution medium 11
10583600	BGP701 LED8-4S/740 DM11 FG GR 42/60P	70° x 37°	740 neutral white	LED8	Distribution medium 11
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	73° x 44°	740 neutral white	LED40	Distribution medium 10
10585000	BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	70° x 37°	830 warm white	LED50	Distribution medium 11
10586700	BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	70° x 37°	740 neutral white	LED35	Distribution medium 11

Luma gen2

General Information (2/2)

	,	
Order Code	Full Product Name	Product Family Code
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	BGP702
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	BGP702
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	BGP702
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	BGP703
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	BGP703
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	BGP704
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	BGP704

Order Code	Full Product Name	Product Family Code
05977100	BGP704 LED140-4S/740 DM11 GF EZR SRB	BGP704
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	BGP705
10583600	BGP701 LED8-4S/740 DM11 FG GR 42/60P	BGP701
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	BGP701
10585000	BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	BGP701
10586700	BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	BGP701

Initial Performance (IEC Compliant)

			Init. Colour	Initial
		Init. Corr. Colour	Rendering	luminous
Order Code	Full Product Name	Temperature	Index	flux
05966500	BGP702 LED60-4S/740	4000 K	>70	5400 lm
	DM11 GF SRT SRB 60/7			
05967200	BGP702 LED40-4S/740	4000 K	>70	3600 lm
	DM10 GF SRT SRB 60/7			
05968900	BGP702 LW10	3000 K	>80	4500 lm
	LED50-4S/830 DM11 GF			
	CTGO			
05970200	BGP703 LED120-4S/740	4000 K	>70	10800 lm
	DM50 GF SRT SRB 60			
05972600	BGP703 LED54-4S/610	1000 K	>60	4482 lm
	DM11 GF SRT SRB 60/7			
05974000	BGP704 LED140-4S/740	4000 K	>70	12740 lm
	DM50 GF SRT SRB 60			
05976400	BGP704 LW10	3000 K	>80	10920 lm
	LED120-4S/830 DM11 GF			
	CTGO			

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
05977100	BGP704 LED140-4S/740 DM11 GF EZR SRB	4000 K	>70	12740 lm
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	4000 K	>70	13500 lm
10583600	BGP701 LED8-4S/740 DM11 FG GR 42/60P	4000 K	>70	728 lm
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	4000 K	>70	3600 lm
10585000	BGP701 LW10 LED50-4S/830 DM11 GF CTGO-DG	3000 K	>80	4500 lm
10586700	BGP701 LED35-4S/740 II DM11 GF EZR SRB 4	4000 K	>70	3185 lm







FWC LED

BWC120 LED18-/830 PSU II WH

SECURITY LED 120 - LED module 1800 lm - Power supply unit

Only texts for Benelux market available

Product data

oc
ED18 [LED module 1800 lm]
0 °
80 warm white
[-]
)
ınit
ower supply unit
es
oal bowl/cover
0°
rew connection block 3-pole
afety class II
emperature 650 °C, duration 5 s
or mounting on normally flammable
rfaces
E mark
NEC mark
years

Photocell	-
Remarks	* At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components
Constant light output	No
Number of products on MCB of 16 A type B	3 50
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class C, luminaire without serviceable parts,
	not serviceable
Product family code	BWC120 [SECURITY LED 120]
Light Technical	
Upward light output ratio	0.08
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	0.05 ms

Datasheet, 2020, June 5 data subject to change

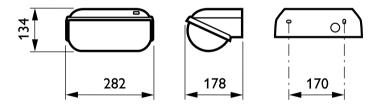
FWC LED

Power Factor (Min)	0.95		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Housing Material	Acrylonitile styrene acrylate		
Reflector material	-		
Optic material	-		
Optical cover/lens material	Polycarbonate		
Fixation material	Polyamide		
Mounting device	Wall-mounting bracket		
Optical cover/lens shape	Curved		
Optical cover/lens finish	Opal		
Overall length	282 mm		
Overall width	178 mm		
Overall height	134 mm		
Effective projected area	0.06 m²		
Color	White		
Dimensions (Height x Width x Depth)	134 x 178 x 282 mm (5.3 x 7 x 11.1 in)		
Approval and Application			
Ingress protection code	IP54 [Dust accumulation-protected, splash-		
	proof]		
Mech. impact protection code	IK08 [5 J vandal-protected]		
Surge Protection (Common/Differential)	Philips standard surge protection level		

Initial Performance (IEC Compliant)				
Initial luminous flux (system flux)	1336 lm			
Luminous flux tolerance	+/-10%			
Initial LED luminaire efficacy	95 lm/W			
Init. Corr. Color Temperature	3000 K			
Init. Color Rendering Index	80			
Initial chromaticity	(0.43, 0.40) SDCM <3			
Initial input power	14 W			
Power consumption tolerance	+/-10%			
Application Conditions				
Ambient temperature range	-40 to +50 ℃			
Product Data				
Full product code	871829185193699			
Order product name	BWC120 LED18-/830 PSU II WH			
EAN/UPC - Product	8718291851936			
Order code	910500454102			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	4			
Material Nr. (12NC)	910500454102			
Net Weight (Piece)	0.850 kg			



Dimensional drawing



FWC110/120 LED BWC110/120

FWC LED



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CoreLine Downlight

DN140B LED20S/840 PSU WR PI6

840 neutral white - Power supply unit - White reflector without louver - Push-in connector 6-pole - Finger-protected

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally friendly solution. They are easy to install thanks to their standard cut-out size and push-in connectors.

Product data

General Information				
Beam angle of light source	120 °			
Light source colour	840 neutral white			
Light source replaceable	No			
Number of gear units	1 unit			
Driver/power unit/transformer	PSU [Power supply unit]			
Driver included	Yes			
Optic type	WR [White reflector without louver]			
Luminaire light beam spread	90°			
Control interface	-			
Connection	Push-in connector 6-pole			
Cable	-			
Protection class IEC	Safety class I			
Glow-wire test	Temperature 850 °C, duration 5 s			
Flammability mark	F [For mounting on normally flammable			
	surfaces]			

CE mark	CE mark		
ENEC mark	-		
Warranty period	5 years		
Remarks	*- According to the Lighting Europe guidance		
	paper 'Evaluating performance of LED based		
	luminaires – January 2018': statistically there		
	is no relevant difference in lumen		
	maintenance between the B50 and, for		
	example, the B10. Therefore, the median		
	useful life (B50) value also represents the		
	B10 value.		
Constant light output	No		
Number of products on MCB (16 A type B)	48		
EU RoHS compliant	Yes		
Unified glare rating CEN	25		

Datasheet, 2021, March 18 data subject to change

CoreLine Downlight

Input Voltage	220-240 V			
Input frequency	50 to 60 Hz			
Initial CLO power consumption	- W			
Average CLO power consumption	- W			
End CLO power consumption	- W			
Inrush current	2.2 A			
Inrush time	0.045 ms			
Power factor (min.)	0.95			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Housing material	Polycarbonate			
Reflector material	Polycarbonate			
Optic material	Polycarbonate			
Optical cover/lens material	Polycarbonate			
Fixation material	Steel			
Optical cover/lens finish	Frosted			
Overall length	0 mm			
Overall width	0 mm			
Overall height	108 mm			
Overall diameter	216 mm			
Colour	White RAL 9003			
Dimensions (height x width x depth)	108 x 0 x 0 mm (4.3 x 0 x 0 in)			
Approval and Application				
Ingress protection code	IP20 [Finger-protected]			
Mech. impact protection code	IK02 [0.2 J standard]			

Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	116 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Initial chromaticity	(0.380,0.377) SDCM≦5
Initial input power	19 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful 5%life 50,000 h

Lumen maintenance at median useful life* L70 50,000 h

Application Conditions	
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

Product Data	
Full product code	871016332585900
Order product name	DN140B LED20S/840 PSU WR PI6
EAN/UPC – product	8710163325859
Order code	32585900
SAP numerator – quantity per pack	1
Numerator – packs per outer box	6
SAP material	911401631505
SAP net weight (piece)	0.490 kg

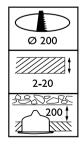


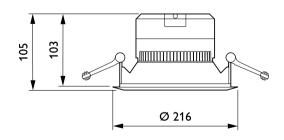




Dimensional drawing

Initial luminous flux (system flux)

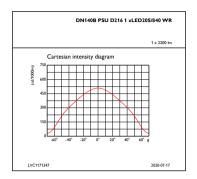


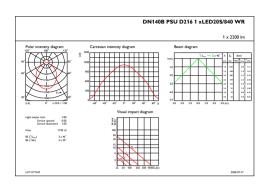


CoreLine Downlight DN140B

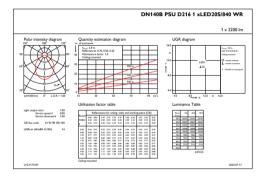
CoreLine Downlight

Photometric data

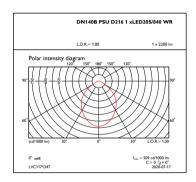




IFCC1_DN140BPSUD2161xLED20S840WR



IFAS1_DN140BPSUD2161xLED20S840WR



IFGU1_DN140BPSUD2161xLED20S840WR

OFPC1_DN140BPSUD2161xLED20S840WR



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Piazza II LED

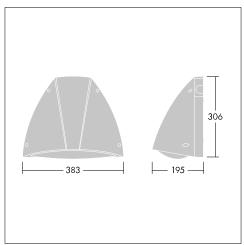
A robust IP65 outdoor wall mounted luminaire with a unique light distribution, ideal for building perimiter applications

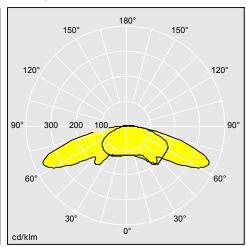
- Unique photometrics with 3 metre forward light throw and 12 metre spacing ideal for perimeter walkways
- Very low upward light throw with less than 2.5% ULOR
- Excellent 116 lm/W efficiency
- Easy installation, back mounted, BESA and surface mounted conduit compatible



Photographs, line drawings and photometric data are representative only. For specific product detail please select an individual product.







96666256

Material/Finish

Back-plate: die-Cast aluminium painted anthracite (RAL7016)

Body: polycarbonate In anthracite colour (RAL 7016)

Diffuser: textured clear polycarbonate

Installation/Mounting

Wall mountable. Ø20 mm cable entry via rear or side conduit entries. Recommended 3-4 metre mounting height.

Specification

To specify state:

IP65, IK10 vandal resistant wall mounting luminaire in anthracite (RAL 7016) with less than 2.5% ULOR. In polycarbonate body & cast aluminium back-plate. 1690 / 2700 lumen output with fixed output or DALI dimmable control gear / integral photo sensor / integral manual or Self/Addressable test 3 hour emergency lighting options.

As Thorn Piazza II LED.



Piazza II LED

Ordering Guide

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
Piazza II LED				
PIAZZA II LED 1690-840 HF ANT	LED		2,8	96666256
PIAZZA II LED 1690-840 HF P ANT	LED		2,8	96666259
PIAZZA II LED 2700-840 HF ANT	LED		2,8	96666261
PIAZZA II LED 2700-840 HF P ANT	LED		2,8	96666264
Piazza II LED, emergency				
PIAZZA II LED 1690-840 HF E3 ANT	LED		3,1	96666257
PIAZZA II LED 1690-840 HF E3TX ANT	LED		3,1	96666258
PIAZZA II LED 2700-840 HF E3 ANT	LED		3,1	96666262
PIAZZA II LED 2700-840 HF E3TX ANT	LED		3,1	96666263
Diama II I ED dimensahla				
Piazza II LED, dimmable				
PIAZZA II LED 1690-840 HFI-X EC ANT	LED		2,8	96666260
PIAZZA II LED 2700-840 HFI-X EC ANT	LED		2,8	96666265