



ClearWay gen2

BGP307 LED35-4S/740 I DM50 DDF27 D18 48/

ClearWay gen2, LED module 3500 lm, 740 neutral white, Safety class I, Distribution medium 50, Universal for diameter 48 to 60 mm adjustable

The ClearWay Gen2 enables you to enjoy the benefits of LED technology for urban lighting right from the start. This new second generation of the luminaire builds on the strengths of its predecessor and is designed to further minimise your Total Cost of Ownership. The ClearWay Gen2 significantly improves the most important aspects of the street-lighting experience compared to conventional urban lighting. Ideal for new streets and for renovating existing installations, this affordable range of urban ClearWay lighting solutions combines clean design, high-quality light with significant energy and maintenance savings. In short, ClearWay Gen2 means good-quality light with all the added benefits of LED — energy savings and long lifetime. Offering more benefits, yet packaged in a thinner and lighter design which makes it easier to install.

Product data

General Information		
Lamp family code	LED35 [LED module 3500 lm]	
Light source replaceable	Yes	
Number of gear units	Unit	
Driver included	Yes	
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. * At extreme ambient	
	temperatures the luminaire might	
	automatically dim down to protect	
	components	
Light source engine type	LED	
Product family code	BGP307 [ClearWay gen2]	
Lighting Technology	LED	
Value ladder	Performance	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC mark	

Datasheet, 2023, December 5 data subject to change

ClearWay gen2

But Not Note				
	EU RoHS compliant	No	Overall width	330 mm
Dynamic light output ratio D			Overall height	93 mm
Luminous Plux Sandard tit angle post-top OP Approval and Application Ingress protection code IPP6 [Dust peretration-protected, jet-poord] Mech. Impact protection code IPP6 [Dust peretration-protected] Information protected Information protected IPP6 [Dust peretration protected] Information protected IPP6 [Dust peretration protected] Information protected IPP6 [Dust peretration protected] Information protected Information pro	Light Technical		Effective projected area	0.1151 m²
Standard tilt angle poet-top 0°	Upwards light output ratio	0	Dimensions (height x width x depth)	93 x 330 x 482 mm
Standard tilt angle side entry	Luminous Flux	3,080 lm		
Mech. Impact protection code	Standard tilt angle post-top	0°	Approval and Application	
Luminous efficacy (rated) (nom.) 143 in//W 250 color enderling index (CRI) 70 250 colo	Standard tilt angle side entry	0°	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Colour rendering index (CRI) 70 Sustainability rating Ugiting for circulativy	Correlated Colour Temperature	4000 K	Mech. impact protection code	IK09 [10 J]
Light source colour 740 muntal white Sustainability rating Lighting for croutantry	Luminous efficacy (rated) (nom.)	143 lm/W	Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV
Optick type	Colour rendering index (CRI)	70		differential mode and 8 kV common mode
Control cover type Flat glass Photobiological risk Photobiological risk group 1 © 200mm to ENSE471	Light source colour	740 neutral white	Sustainability rating	Lighting for circularity
EM6247	Optic type		Protection class IEC	Safety class I
Photobiological risk specification 31 m	Optical cover type	Flat glass	Photobiological risk	
Departing and Electrical Initial Performance (IEC Compliant) Luminous flux tolerance -4-7%	Luminaire light beam spread	154° - 31° x 54°		EN62471
Luminous flux tolerance	Optic type outdoor	Distribution medium 50	Photobiological risk specification	3.1 m
Luminous flux tolerance				
Initial chromaticity	Operating and Electrical			
Inrush current 43 A Power consumption tolerance -/-10% Inrush time 0.26 ms Init. Color Rendering Index Tolerance +/-2 Power Consumption 215 W Init. Color Rendering Index Tolerance +/-2 Power Factor (Fraction) 0.93 Over Time Performance (IEC Comptiant) Connection Push-in connector 5-pole Driver failure rate at 5,000 hours 0.5 % Cable - Control gear failure rate at median useful 5% Iffe 50,000 h Iffe 50,000 h Iffe 50,000 h Iffe 50,000 h Control gear failure rate at median useful 10 % Iffe 100,000 h I	Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Init. Color Rendering Index Tolerance	Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <5
Power Consumption 215 W Power Factor (Fraction) 0.93 Connection Push-in connector 5-pole Driver failure rate at 5,000 hours 0.5 % Cable - Control gear failure rate at median useful 5 % Iife 50,000 h	Inrush current	43 A	Power consumption tolerance	+/-10%
Dower Factor (Fraction) Division (Fracti	Inrush time	0.26 ms	Init. Color Rendering Index Tolerance	+/-2
Connection Push-in connector 5-pole Cable - Control gear failure rate at median useful 5 % Number of products on MCB of 16 A type 48 B Control gear failure rate at median useful 10 % life 50,000 h Temperature	Power Consumption	21.5 W		
Cohtrol gear failure rate at median useful 5 % life 50,000 h Number of products on MCB of 16 A type 8 B Control gear failure rate at median useful 10 % life 100,000 h Lumen maintenance at median useful life 100,000 h Lumen maintenance at median useful life 100,000 h Lumen maintenance at median useful life 100,000 h Controls and Dimming Dimmable Yes Performance ambient temperature Tq 25 °C Maximum dim level 0 % (digital) Constant light output No Constant light output No Mechanical and Housing Housing material Aluminium die cast Reflector material Polymethyl methacrylate Optic material Aluminium Product Data Order product name BGP307 LED35-4\$/740 I DM50 DDF27 DI8 48/ Full product name BGP307 LED35-4\$/740 I DM50 DDF27 DI8 48/ Full product name BGP307 LED35-4\$/740 I DM50 DDF27 DI8 48/ Full EOC 871869699610200 Order code 996102200 Material no. (12 NC) 910925865131 EAN/UPC - Product/Case 8718696996102 Optical cover/lens shape Fiat Optical cover/lens shape Fiat EAN/UPC - Case 8718696996102	Power Factor (Fraction)	0.93	Over Time Performance (IEC Compli	iant)
Number of products on MCB of 16 A type 48 B Control gear failure rate at median useful 10 % life 100,000 h Lumen maintenance at median useful 167 life* 100,000 h Lumen maintenance at median useful 167 life* 100,000 h Controls and Dimming Dimmable Yes Performance ambient temperature Tq 25 °C Maximum dim level 0% (digital) Control Interface - Constal light output No Pode Product Data 0% (digital) Mechanical and Housing Housing 48/ Housing material Aluminium die cast 86, 48/ Reflector material - Optic material Polymethyl methacrylate 79, 184 life 100,000 h Full EOC 871869699610200 Optic material Aluminium Material Aluminium Material Naturality per pack 1 Methanical cover/lens material Aluminium device Universal for diameter 48 to 60 mm adjustable Nounting device Universal for diameter 48 to 60 mm adjustable Flat EAN/UPC - Case 8718696996102 Optical cover/lens shape Flat EAN/UPC - Case 8718696996102	Connection	Push-in connector 5-pole	Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful 10 % life 100,000 h Lumen maintenance at median useful 10 % life 100,000 h Lumen maintenance at median useful life 100,000 h Performance ambient temperature Tq 25 °C Maximum dim level 0% (digital) Product Data Order product name BGP307 LED35-4S/740 I DM50 DDF27 DI8 48/ Product Data Order product name BGP307 LED35-4S/740 I DM50 DDF27 DI8 48/ Pull product name BGP307 LED35-4S/740 I DM50 DDF27 DI8 48/ Pull ECC 871869699610200 Order code 99610200 Order code 99610200 Order code 99610200 Order code 99610200 Material no. (12 NC) 910925865131 Aluminum diversal for diameter 48 to 60 mm adjustable life 100,000 h EAN/UPC - Product/Case 8718696996102 Numerator - packs per outer box 1 EAN/UPC - Case 8718696996102 Optical cover/lens shape Flat EAN/UPC - Case 8718696996102	Cable		_	5 %
Life 100,000 h Lumen maintenance at median useful L97	Number of products on MCB of 16 A type	48		
Lumen maintenance at median useful life* 100,000 h Lumen life* 100,000 h Lumen life* 25 °C Lumen life* 25 °C °C Lumen life* 25 °C °C Code life*	В			10 %
Ambient temperature range				
Controls and Dimming Dimmable Yes Performance ambient temperature Tq 25 °C Maximum dim level O% (digital) Control interface Constant light output No Product Data Order product name BGP307 LED35-4\$/740 I DM50 DDF27 D18 Mechanical and Housing Housing material Aluminium die cast Reflector material Optic material Polymethyl methacrylate Optical cover/lens material Aluminium Housing Colour Grey Maximum dim level O% (digital) Maximum dim level O% (digital) Froduct Data Order product name BGP307 LED35-4\$/740 I DM50 DDF27 D18 ### ### ### ### ### ### ### ### ### #				L97
Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface Constant light output No Mechanical and Housing Housing material Aluminium die cast Reflector material Polymethyl methacrylate Optical cover/lens shape Fixation material Aluminium Goptical cover/lens shape Dimmable Yes Performance ambient temperature Tq 25 °C Maximum dim level O% (digital) Of	Ambient temperature range	-40 to +50 °C	1116° 100,000 h	
Dimmable Yes Driver/power unit/transformer Power supply unit with DynaDimmer Control interface Constant light output No Mechanical and Housing Housing material Aluminium die cast Reflector material Polymethyl methacrylate Optical cover/lens shape Fixation material Aluminium Goptical cover/lens shape Dimmable Yes Performance ambient temperature Tq 25 °C Maximum dim level O% (digital) Of			Application Conditions	
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Constant light output No Product Data Order product name BGP307 LED35-4S/740 I DM50 DDF27 D18 ### Mechanical and Housing Housing material Aluminium die cast Reflector material Optic material Polymethyl methacrylate Optical cover/lens material Housing Colour Grey Material no. (12 NC) SAP numerator – quantity per pack Housing Colour Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC – Product/Case Numerator – packs per outer box 1 EAN/UPC – Case 8718696996102 R718696996102 R718696996102 R718696996102 R718696996102 R718696996102 R718696996102 R718696996102 R718696996102 R718696996102	-			
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Mechanical and HousingHousing materialAluminium die castFull product nameBGP307 LED35-4S/740 I DM50 DDF27 D18Reflector material-48/Optic materialPolymethyl methacrylateFull EOC871869699610200Optical cover/lens materialTempered glassOrder code99610200Fixation materialAluminiumMaterial no. (12 NC)910925865131Housing ColourGreySAP numerator – quantity per pack1Mounting deviceUniversal for diameter 48 to 60 mm adjustableEAN/UPC – Product/Case8718696996102Optical cover/lens shapeFlatEAN/UPC - Case8718696996102Optical cover/lens finishClear	Constant light output	No		DCD2071 FD2F 46/740 LDMF0 DDF27 D10
Housing material Aluminium die cast Full product name BGP307 LED35-4S/740 I DM50 DDF27 D18 48/ Optic material Polymethyl methacrylate Full EOC 871869699610200 Optical cover/lens material Tempered glass Order code 99610200 Material no. (12 NC) 910925865131 SAP numerator – quantity per pack I SAP numerator – quantity per pack I EAN/UPC – Product/Case 8718696996102 Numerator – packs per outer box I EAN/UPC – Case 8718696996102 Optical cover/lens shape Optical cover/lens finish Clear			Order product name	
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Housing Colour Grey SAP numerator – quantity per pack Mounting device				
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Optical cover/lens shape Flat EAN/UPC - Case 8718696996102 Optical cover/lens finish Clear	Mounting device			
Optical cover/lens finish Clear				
		·	EAN/UPC - Case	6/166969961U2
Overall length 482 mm		-		
	Overall length	482 mm		

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Dimensional drawing







