



AluRoad gen2

BGP020 LED51/730 II DM CLO-DDF2

AluRoad gen2, Road & street light, 30 W, 4312 lm, 3000 K, CRI70, Programmable (via DALI or NFC) stand-alone dimming, Distribution medium, Safety class II, IP66

The AluRoad gen2 family is available in 2 versions, standard AluRoad gen2 and AluRoad gen2 Pro. These are available in 2 sizes, Mini and Medium. Standard AluRoad gen2 as BGP020 Mini and BGP025 Medium, AluRoad gen2 Pro as BGP021 Mini and BGP026 Medium. Standard AluRoad gen2 features a fixed spigot for both post top 0 degrees tilt and side entry with limited negative tilt. AluRoad gen2 Pro is equipped with an adjustable spigot allowing tilt settings in both post top and side entry, positive and negative. AluRoad gen2 enables you to easily upgrade your city's lighting and enjoy the benefits of LED technology, designated to further minimize Total Cost of Investment and Ownership. The family is ideally suited for both new build areas and streets as well as renovation of existing installations. This affordable family not only offers a clean and timeless design to blend in with the environment, but also brings high quality lighting and future proof solutions with significant energy and maintenance savings over a long operational life.

Product data

General Information	
Lamp family code	LED51 [LED module 5100 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Performance
Warranty period	5 years

Light Technical	
Upward light output ratio	0
Luminous Flux	4,312 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	70
Light source color	730 warm white
Luminaire light beam spread	5° x 55° x 150°
Optic type outdoor	Distribution medium

AluRoad gen2

Effective projected area	0.03 m ²
--------------------------	---------------------

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Inrush current	18.7 A
Inrush time	0.195 ms
Power Consumption	30 W
Power Factor (Fraction)	0.98
Connection	2 Push-in connector 2-pole
Cable	-

Number of products on MCB of 16 A type 32

B

Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	Programmable (via DALI or NFC) stand-alone dimming
Constant light output	Yes
Embedded control	Constant light output and DynaDimmer fixed presets version 2

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	447 mm
Overall width	230 mm
Overall height	112 mm
Dimensions (Height x Width x Depth)	112 x 230 x 447 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	3.400 kg

Approval and Application

Flammability mark	-
CE mark	Yes

ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 °C to 50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.43, 0.40) SDCM<5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L96

Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	25.9 kg CO _{2e}
Product non-virgin material ratio	44.9 %
Recyclable content ratio of the finished product	62.1 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) 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 _{2eq} / kWh)

Product Data

Order product name	BGP020 LED51/730 II DM CLO-DDF2
Full product name	BGP020 LED51/730 II DM CLO-DDF2
Full product code	871951476901400
Order code	76901400
Material Nr. (12NC)	910925869104
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Product family code	BGP020 [AluRoad gen2 Mini]

AluRoad gen2

Dimensional drawing



Dimensions (mm)						
Luminaire	A	B	C	D	E	G
Mini BGPO20	447	70	112	111	334	88
Medium BGPO25	592	70	112	111	481	88

