PHILIPS

VGP704 80 4S 740 48V III DM10 42/60S

910925868315

Luma gen2 Solar, Road & street light, 4000 K, CRI70, Distribution medium 10, Safety class III, IP66

Road & street light, Aluminum die cast, Dark gray, Side-entry for diameter 42 to 60 mm, 4000 K, (0.382, 0.380) SDCM <5, CRI70, Distribution medium 10, IP66 | Dust penetration-protected, jet-proof, IK10 | 20 J vandal-resistant, Safety class III, Connection unit 2-pole

General Information

Light source replaceable	Yes
Driver included	No
Light source engine type	LED
Service tag	Yes
Warranty period	5 years

Light Technical

Upward light output ratio	0
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Number of light sources	2

Light source color	740 neutral white
Luminaire light beam spread	155° x 86°
Optic type outdoor	Distribution medium 10
Effective projected area	0.136 m²

Operating and Electrical

Input Voltage	48 V
Connection	Connection unit 2-pole
Cable	-
Protection class IEC	Safety class III
Surge Protection (Common/ Differential)	-

Controls and Dimming

Dimmable	No
Configurability	Configurable
Control interface	-
Solar dimming profile	configurable via charge controller

Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Dark gray
Mounting device	Side-entry for diameter 42 to 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	743 mm
Overall width	360 mm
Overall height	146 mm
Dimensions (Height x Width x Depth)	146 x 360 x 743 mm
Battery location	on-pole, in-ground
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Glass
Net Weight (Piece)	10.100 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM <5
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

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

Sustainability Data

Sustainability rating	Unclassified
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)	226 kg CO_2e
Product non-virgin material ratio	6.86 %
Recyclable content ratio of the finished product	62.1 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) 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 CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled

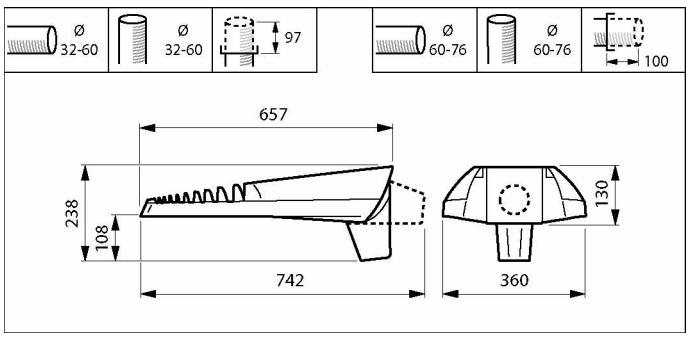
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

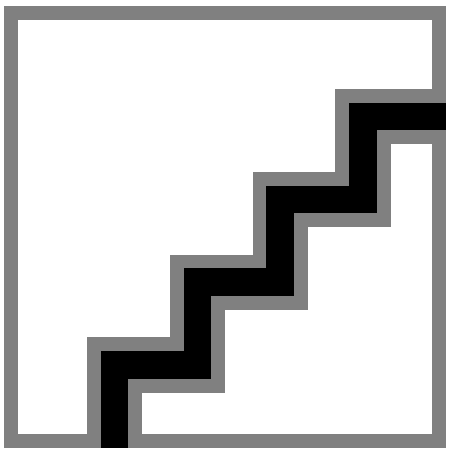
Order product name	VGP704 80 4S 740 48V III DM10 42/60S
Full product name	VGP704 80 4S 740 48V III DM10 42/60S

Full product code	871951462379800
Order code	62379800
Material Nr. (12NC)	910925868315
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514623798
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514623798
Product family code	VGP704 [LUMA GEN2 MEDIUM SOLAR]

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	SIG-583442710541430-Lumagen2solar-INI.pdf	Download

Photometry and lighting design	Document Name	Download
LDT File	LDT File - VGP704I - 910925868315.ldt	Download
ROLF File	ROLF File - VGP704I - 910925868315.rolfz	Download
ULD File	ULD File - VGP704I - 910925868315.uld	Download

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