



# Luma gen2 Solar

## VGP703 40 4S 740 24V III DM10 42/60S

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

Meet your sustainability targets in an easy and fast way. We've upgraded your most preferred luminaire, the Luma gen2, to be powered by solar energy. Finless design, future-proof architecture, hustle-free maintenance and best-in-class lighting performance are some of the reasons why we are proud of Luma gen2 Solar. Let's take a deep dive into all the characteristics we worked on to meet your lighting needs.

### Product data

General Information	
Light source replaceable	Yes
Driver included	No
Light source engine type	LED
Service Tag	Yes
Warranty period	5 years
Light Technical	
Upwards light output ratio	0
Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	70
Number of light sources	1
Light source colour	740 neutral white
Luminaire light beam spread	155° x 86°
Optic type outdoor	Distribution medium 10
Effective projected area	0.0998 m <sup>2</sup>

Operating and Electrical	
Input Voltage	24 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	Aluminium die cast
Optic material	Polymethyl methacrylate
Optical cover/lens material	Tempered glass

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Fixation material	Aluminium
Housing Colour	Dark grey
Mounting device	Side-entry for diameter 42 to 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	734 mm
Overall width	295 mm
Overall height	146 mm
Dimensions (height x width x depth)	146 x 295 x 734 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 post-top	-
Standard tilt angle side entry	0°
Optical cover type	Glass
Net Weight (Piece)	8.400 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. Colour 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 50,000 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
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### 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)	187 kg CO <sub>2e</sub>
Product non-virgin material ratio	7.05 %
Recyclable the content ratio of the finished product	66.3 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kwh)
GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO <sub>2</sub> eq / kwh)

### Product Data

Order product name	VGP703 40 4S 740 24V III DM10 42/60S
Full product name	VGP703 40 4S 740 24V III DM10 42/60S
Full EOC	871951462376700
Order code	910925868312
Material no. (12 NC)	910925868312
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514623767
Numerator – packs per outer box	1
EAN/UPC - Case	8719514623767
Product family code	VGP703 [LUMA GEN2 MINI SOLAR]

## Dimensional drawing

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