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GIOVENZANA
INTERNATIONAL B.V.

ELEVATOR LIGHTING SOLUTIONS
SILICON LED STRIPS

GIOVENZANA®
THE BEST CHOICE FOR SAFETY SOLUTIONS.

Giovenzana International B.V. has been known worldwide for over 70 years as a reliable partner for elevator companies.

Continuous research and development allow us to have a strong experience and industry knowledge. We daily work to meet the current market requirements and needs.

Our active participation in various institutions all around the world, such as ANIE (member of European Elevator Association), ensures that we are always up-to-date on technical innovations.

Our wide range of certified elevator solutions complies with current European and international standards: **EN 81-20 / EN 81-50**, **GOST 33984.1-2016**, **ASME A17.1 / CSA B44** and **ABNT NBR 16858-1:2020**.

Our mission is **SAFETY FIRST**, to protect people and the environment through reliable systems and products.

Today, Giovenzana International B.V. develops a new range of lighting solutions for the elevator industry, specifically designed to be installed in elevator shafts.
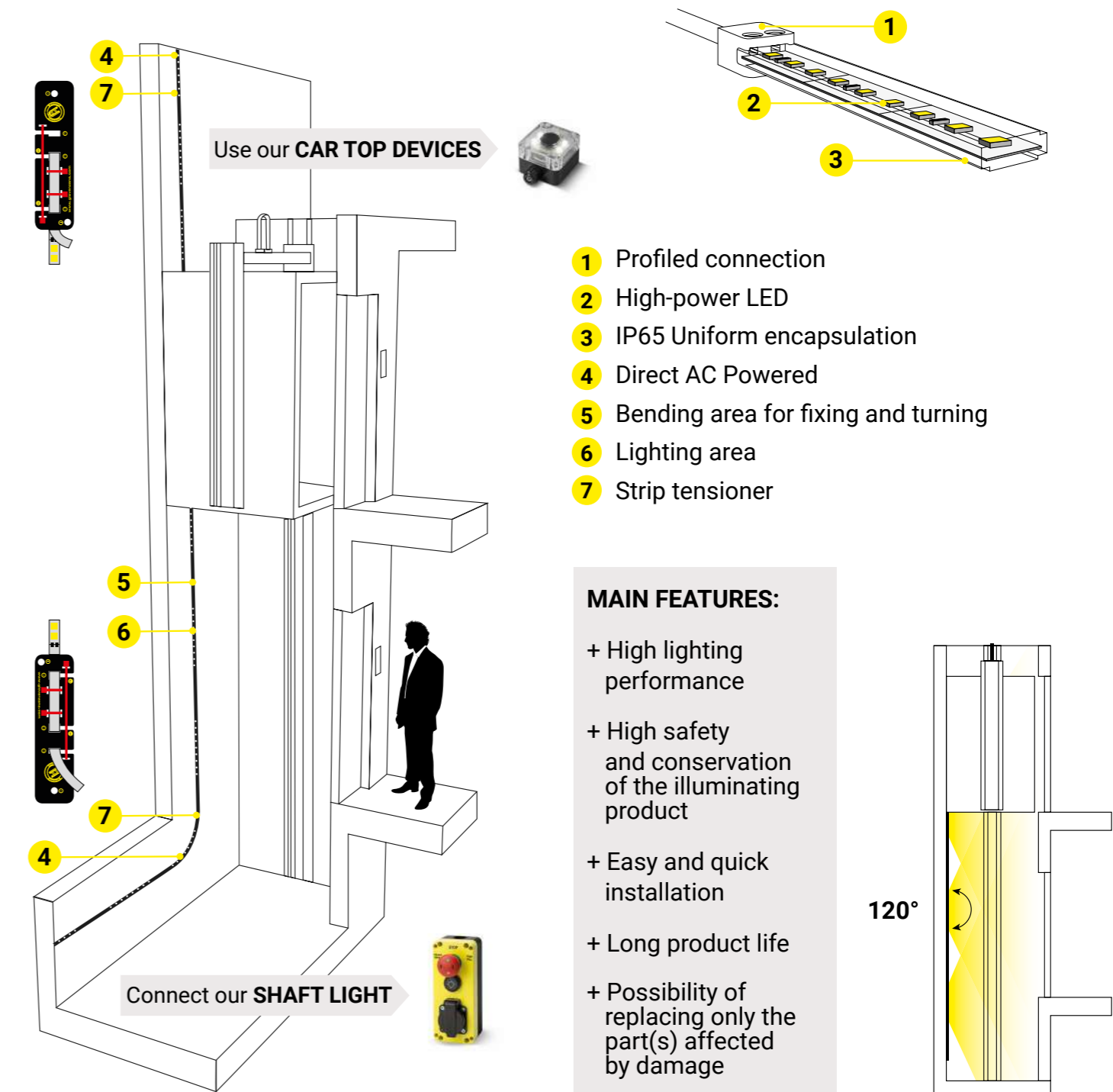
Giovenzana International B.V. offers a practical, modern, versatile, quick-installation and high-performance solution for shaft and the pit lighting of elevators, freight elevators or dumbwaiters.

The product has an IP65 degree of protection, which guarantees long-lasting, high-performance operation even in less than optimal conditions. This new range complies with the stringent international standards. It significantly reduces installation time and costs. Thanks to its innovative design, this AC solution can be easily adapted to shaft contours.

Our flexible LED strips are available:

A as **kits with components to be assembled**, or

B as **pre-wired solutions**.

Use our **CAR TOP DEVICES**

Connect our **SHAFT LIGHT**

1 Profiled connection
2 High-power LED
3 IP65 Uniform encapsulation
4 Direct AC Powered
5 Bending area for fixing and turning
6 Lighting area
7 Strip tensioner

MAIN FEATURES:

+ High lighting performance

+ High safety and conservation of the illuminating product

+ Easy and quick installation

+ Long product life

+ Possibility of replacing only the part(s) affected by damage

120°

GIOVENZANA
INTERNATIONAL B.V.

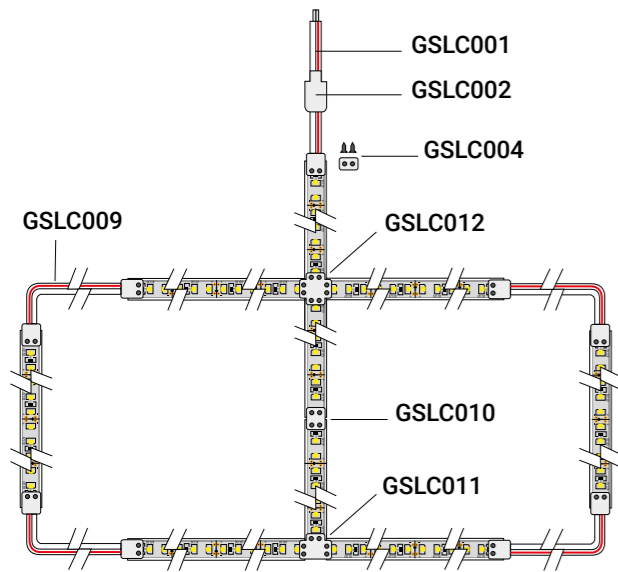## A — MOUNTING KIT - Components sold separately

FLEXIBLE STRIPS, CONNECTIONS AND ACCESSORIES

Giovenzana provides all the components and accessories needed for installation and power connection.

The connectors are designed with a patented profiled technology.

We recommend the use of our components and accessories in order to ensure correct system performance.

GSLC001
GSLC002
GSLC004
GSLC009
GSLC012
GSLC010
GSLC011

» FLEXIBLE LED STRIPS:

GSL30 / GSL60

Flexible LED strips
300-metre coil.
2 versions: GLS30 and GLS60.

» CABLES:

GSLC001

Cable-profiled
Connects the power cord to the LED strips and the shaft light.

GSLC009

Profiled-profiled
Connects two LED strips at a flexible angle.

» CONNECTORS:

GSLC010

Profiled bridge connector
Connects 2 LED strips in a straight line.

GSLC011

Profiled T connector
Connects 3 LED strips.

GSLC012

Profiled cross connector
Connects 4 LED strips.

» ACCESSORIES:

GSLC002

Profiled silicone end cap for power
Insulates the input power cable.

GSLC003

Profiled silicone end cap termination
Insulates the LED strip termination.

GSLC004

Profiled screw set
Mechanical and electrical connection of the LED strip with caps to cover the screws using LED sealant.

GSLC005

LED strip tensioners (2 pieces)
Parts that tensions the LED strip without the use of dowels for wall mounting.

GSLC006

Wall plugs
For LED strip mounting.
Distance between plugs: 1.5 m for vertical installation, 0.5 m for horizontal installation.
100-piece packs.

GSLC007

Led sealant
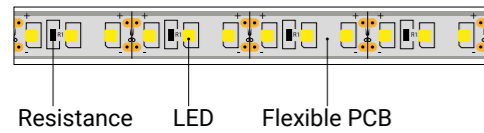Sealant for correct insulation.
Quantity: 90 ml.

GSLC008

Profiled connection set
Including:
• Cable-profiled
• Profiled silicone end cap for power
• Profiled silicone end cap terminations
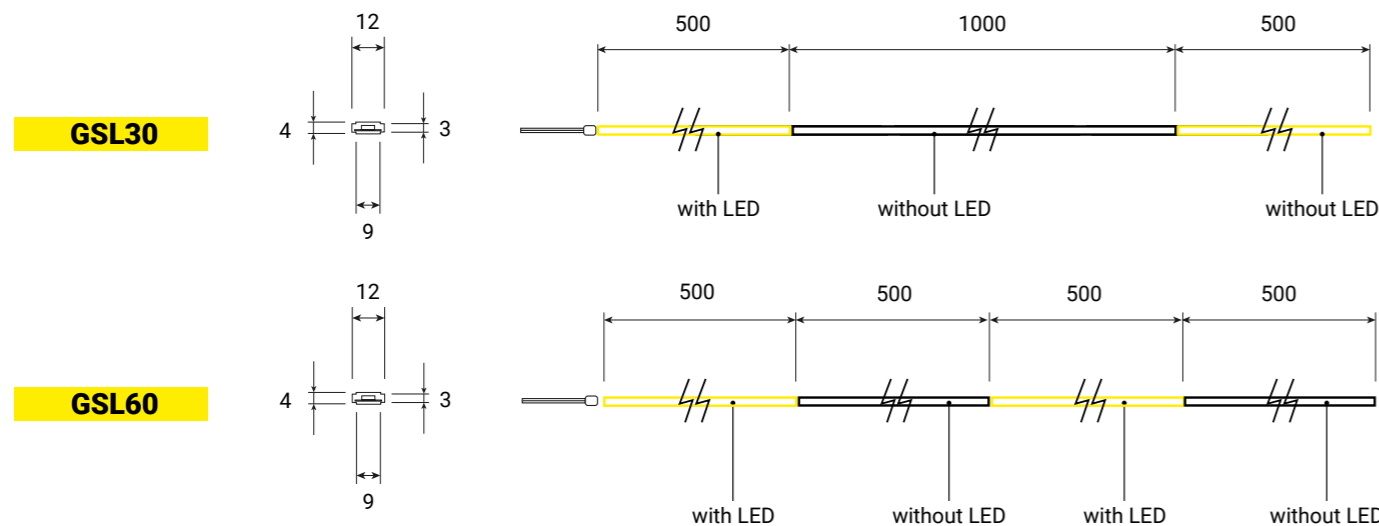• Profiled screw set
• LED sealant (5 ml)

GIOVENZANA
INTERNATIONAL B.V.

A MOUNTING KIT COMPONENTS - General characteristics

» FLEXIBLE LED STRIPS: GSL30 AND GSL60

Resistance   LED   Flexible PCB

A LED strip is a specific linear lighting solution where all the electrical and electronic components are placed on a substrate (usually a flexible PCB) and encapsulated in a material that provides mechanical and electrical insulation properties. Giovenzana offers two different types of flexible LED strips: **GSL30 and GSL60**.
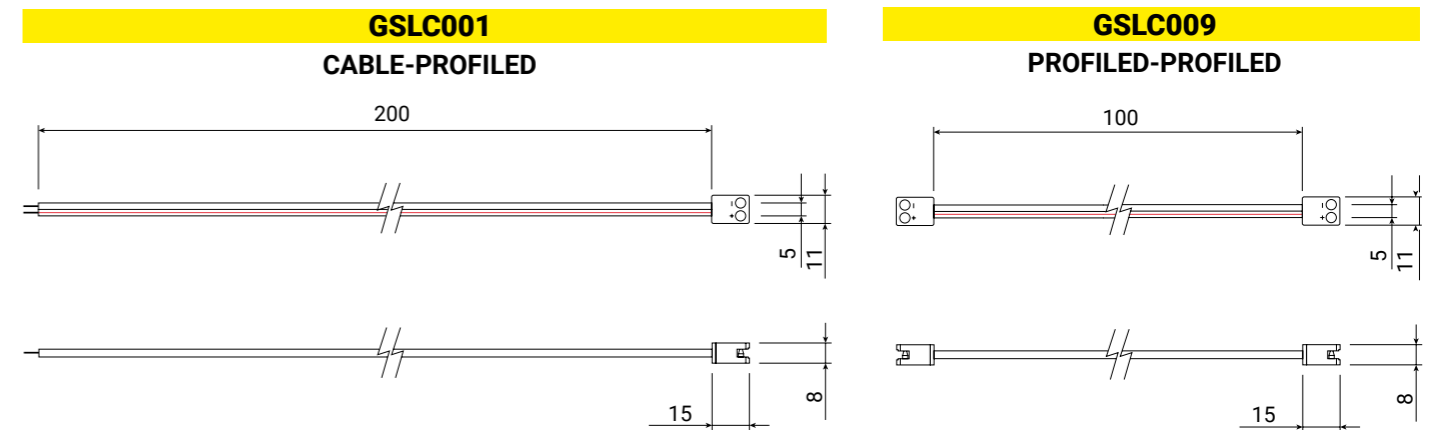
SPECIFICATIONS		GSL30	GSL60
Voltage		230 V ac ± 15%	230 V ac ± 15%
Power		5 W/m	6.4 W/m
Flux		450 lm/m	600 lm/m
Protection degree	with GSLC002 / GSLC003 / GSLC004	IP65	IP65
Operating temperature		-40 ... +70°C	-40 ... +70°C
Flame retardant	UL94	V1	V1
UV rating	UL94	F1	F1
Dimmable and flicker-free		PF > 0.85	PF > 0.85
Beam angle		120°	120°
Colour		pure white 6000-6500K	pure white 6000-6500K
Shaft area		3.5 m^2	9.2 m^2
Maximum powered length		150 m	150 m
Coil length		300 m	300 m
Cutting point distance		1.5 m	1 m

GSL30

with LED   without LED   without LED

GSL60

with LED   without LED   with LED   without LED

• VOC free (Volatile Organic Compound).
• Silicone has excellent resistance to oil, solvents and other chemicals.
• High flexibility and mechanical resistance.
• Different lengths available.
• As a safety measure, a maximum of 16 A circuit-breaker, category B is required.
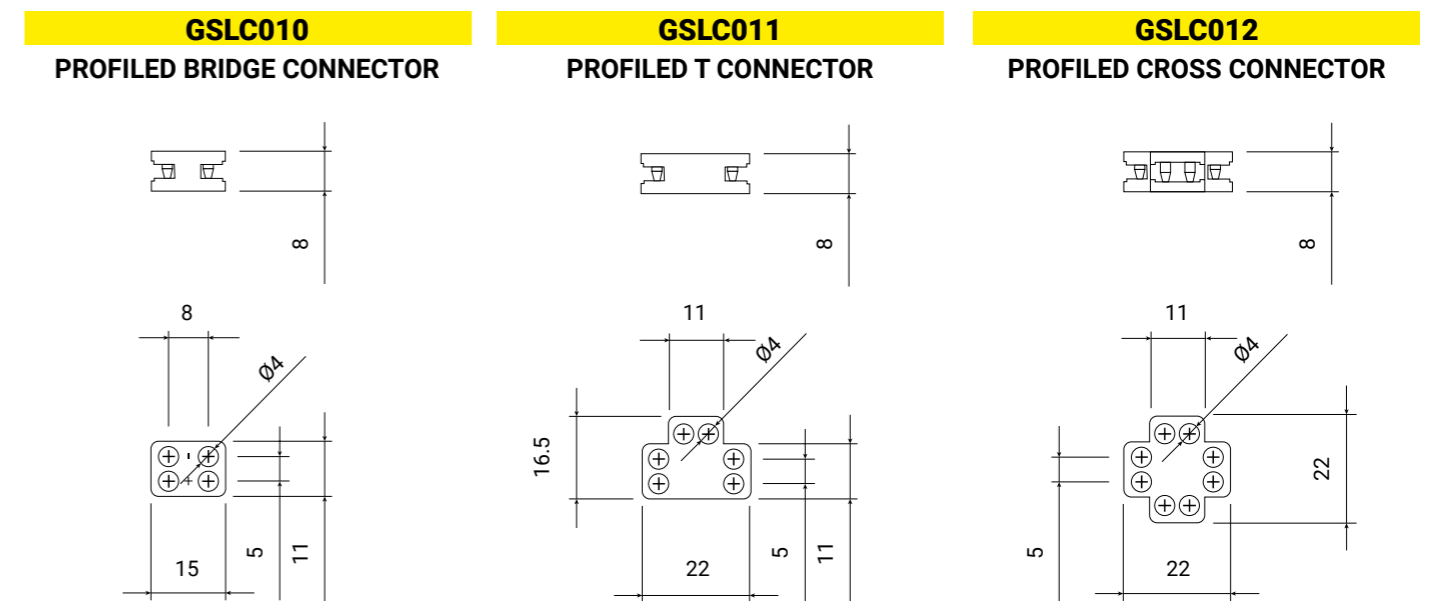
» CABLES: GSLC001 AND GSLC009

SPECIFICATIONS		GSLC001	GSLC009
Voltage		230 V ac ± 15%	230 V ac ± 15%
Current	max	6 A	6 A
Protection degree	con GSLC002 / GSLC004	IP65	IP65
Operating temperature		-40 ... +70°C	-40 ... +70°C
Connectors		1	2
Standard lenght		200 mm	100 mm

GSLC001
CABLE-PROFILED

GSLC009
PROFILED-PROFILED

• Connect power line cable to LED strips.
• Customizable lengths on request.

• Mounting composed of two cables (2x0.5).
• To be connected to the shaft light.

» CONNECTORS: GSLC010, GSLC011 AND GSLC012

SPECIFICHE		GSLC010	GSLC011	GSLC012
Voltage		230 V ac ± 15%	230 V ac ± 15%	230 V ac ± 15%
Current	max	6 A	6 A	6 A
Protection degree	with GSLC002 / GSLC004	IP65	IP65	IP65
Operating temperature		-40 ... +70°C	-40 ... +70°C	-40 ... +70°C
Connectable connectors		2	3	4

GSLC010
PROFILED BRIDGE CONNECTOR

GSLC011
PROFILED T CONNECTOR

GSLC012
PROFILED CROSS CONNECTOR

» ACCESSORIES

GSLC002	GSLC003	GSLC004
PROFILED SILICONE END CAP FOR POWER	**PROFILED SILICONE END TERMINATIONS**	**PROFILED SCREW SET**

- Profiled connection.
- Stainless screw system.
- High quality silicone parts.
- Long lifespan products.

- UV resistance.
- Dust-proof connection.
- IP65 protection.
- Operating temperature -40° ~ +70°.

GSLC005	GSLC006	GSLC007
LED STRIP TENSIONERS (2 PIECES)	**WALL PLUGS**	**LED SEALANT**

SILICONE GLUE

GSLC008
PROFILED CONNECTION SET

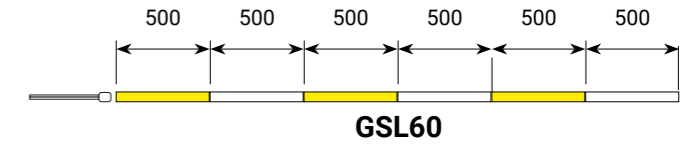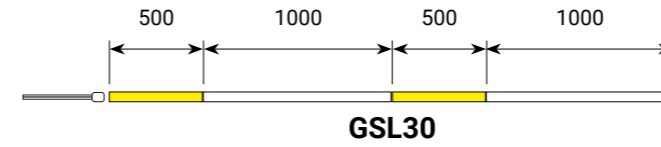KIT code **GSLC008** includes everything needed to install the stripled:

Nr 1 Cable profiled
Nr 1 Profiled silicone end cap for power
Nr 1 Profiled silicone end terminations
Nr 1 Profiled screw set
Nr 1 LED sealant (5 ml)

Our pre-wired LED strips are specially designed to provide continuous light flux for elevator in shaft in compliance with **EN 81-20 / EN 81-50**. They can be cut and bent and can be produced in up to 300 metres per coil. Different lengths are available. Available in GSL30 and GSL60 versions.

GSL30 — 500 1000 500 1000

GSL60 — 500 500 500 500 500 500

SPECIFICATIONS		GSL30	GSL60
Voltage		230 V ac ± 15%	230 V ac ± 15%
Power		5 W/m	6.4 W/m
Flux		450 lm/m	600 lm/m
Protection degree	with GSLC002 / GSLC003 / GSLC004	IP65	IP65
Operating temperature		-40 ... +70°C	-40 ... +70°C
Flame retardant	UL94	V1	V1
UV rating	UL94	F1	F1
Dimmable and flicker-free		PF > 0.85	PF > 0.85
Beam angle		120°	120°
Colour		pure white 6000-6500K	pure white 6000-6500K
Shaft area		3.5 m²	9.2 m²
Maximum powered length		150 m	150 m
Coil length		300 m	300 m
Cutting point distance		1.5 m	1 m

1. STRIP LED COIL OF THE CHOSEN LENGTH
Strip LED coin is available in different lengths as the table below.
Available in two different versions: **GSL30** and **GSL60**.

2. POWER SUPPLY CABLE
The power cable is to be connected to the Strip LED.
The standard length mounted is 10 m composed of two double insulation cables (2 × 0.75 mm). ▢

3. N° 2 TENSIONERS
Components that tension the LED strip in plastic material.

LENGHT	GSL30 CODES	GSL60 CODES	KIT COMPOSITION	PROTECTION CLASS
12 m	GSL30012	GSL60012		
15 m	GSL30015	GSL60015		
18 m	GSL30018	GSL60018		
21 m	GSL30021	GSL60021	Strip LED coin	
24 m	GSL30024	GSL60024	+	
29 m	GSL30029	GSL60029	Power supply cable	IP65
40 m	GSL30040	GSL60040	+	
60 m	GSL30060	GSL60060	N° 2 tensioners	

RELATED PRODUCTS - Lighting devices for cabin roof and pit

» CAR TOP DEVICES WITH 5 LUX LED LIGHT

GM034	GMS169	GM033

» MAINTENANCE STATION WITH 50/5 LUX LED LIGHT 12/24 VDC
Main international sockets on request.

GM036/EU	GM359/EU
50 LUX @ 230 V AC	50 LUX @ 230 V AC
5 LUX @ 12 V DC	5 LUX @ 24 V DC

» SHAFT LIGHT

IP54

GM250/EU
with socket: Schuko - Europe

GM250/FR
with socket: Cenelec - France

GM250/US
with socket: USA

GM250/SW
with socket: Swiss

GM250/UK
with socket: England

GM250/CH
with socket: Australia & China

IP54

GM403/EU
with socket: Schuko - Europe

GM403/FR
with socket: Cenelec - France

GM403/US
with socket: USA

GM403/SW
with socket: Swiss

GM403/UK
with socket: England

GM403/CH
with socket: Australia & China

IP54

GM243/EU
with socket: Schuko - Europe

GM243/FR
with socket: Cenelec - France

GM243/US
with socket: USA

GM243/SW
with socket: Swiss

GM243/UK
with socket: England

GM243/CH
with socket: Australia & China

IP54

GM265/EU
with socket: Schuko - Europe

GM265/FR
with socket: Cenelec - France

GM265/US
with socket: USA

GM265/SW
with socket: Swiss

GM265/UK
with socket: England

GM265/CH
with socket: Australia & China

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TECHNICAL DOCUMENTATION**