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# GIOVENZANA
## INTERNATIONAL. B.V.

**ELEVATOR LIGHTING SOLUTIONS**
**SILICON LED STRIPS**

Giovenzana Elevator Solutions is a range of products specifically designed to be installed in elevator shafts. This new patented product range is in compliance with the **EN81.20/50**, **GOST 33984.1-2016** and **ABNT NBR NM 207-267** standards. It considerably reduces installation times and costs. Due to its innovative design, this AC solution can be easily adapted to shaft contours.

Giovenzana offers two different solutions:
- **GSLC SERIES** > components in assembly kit.
- **GSL SERIES** > prewired LED strips.

Use our **CAR TOP DEVICES** in the CAR TOP.
Discover our best solutions on page 11.

120°

# GIOVENZANA.
# THE BEST CHOICE FOR
# SAFETY SOLUTIONS.

Giovenzana International B.V., has been known worldwide for over 60 years as a partner for lift companies. With our experience and industry knowledge, we work continuously to satisfy current market requirements and needs.

Our active participation in various of institutions, such as ANIE (member of European Lift Association), ensures we are always up-to-date on technical innovations.
Our wide range of elevator solutions is in compliance with current European and international standards: (**EN81.20/50**, **GOST 33984.1-2016** and **ABNT NBR NM 207-267**). Our primary goal is to protect people and the environment through the safety of our systems and products.

The commercial success of a product doesn't happen by chance, but is the end result of the combined efforts of all human resources operating within an organizational structure that is devoted to quality.
Giovenzana is a **UNI EN ISO 9001:2015** certified company.
It isn't just "to manufacture a quality product", but also to ensure the protection of its cycle processes; Giovenzana is **UNI EN ISO 14001:2015** certified.

Today, Giovenzana International B.V. begins developing a new range of lighting solutions for the elevator industry, specifically designed to be installed in elevator shafts.
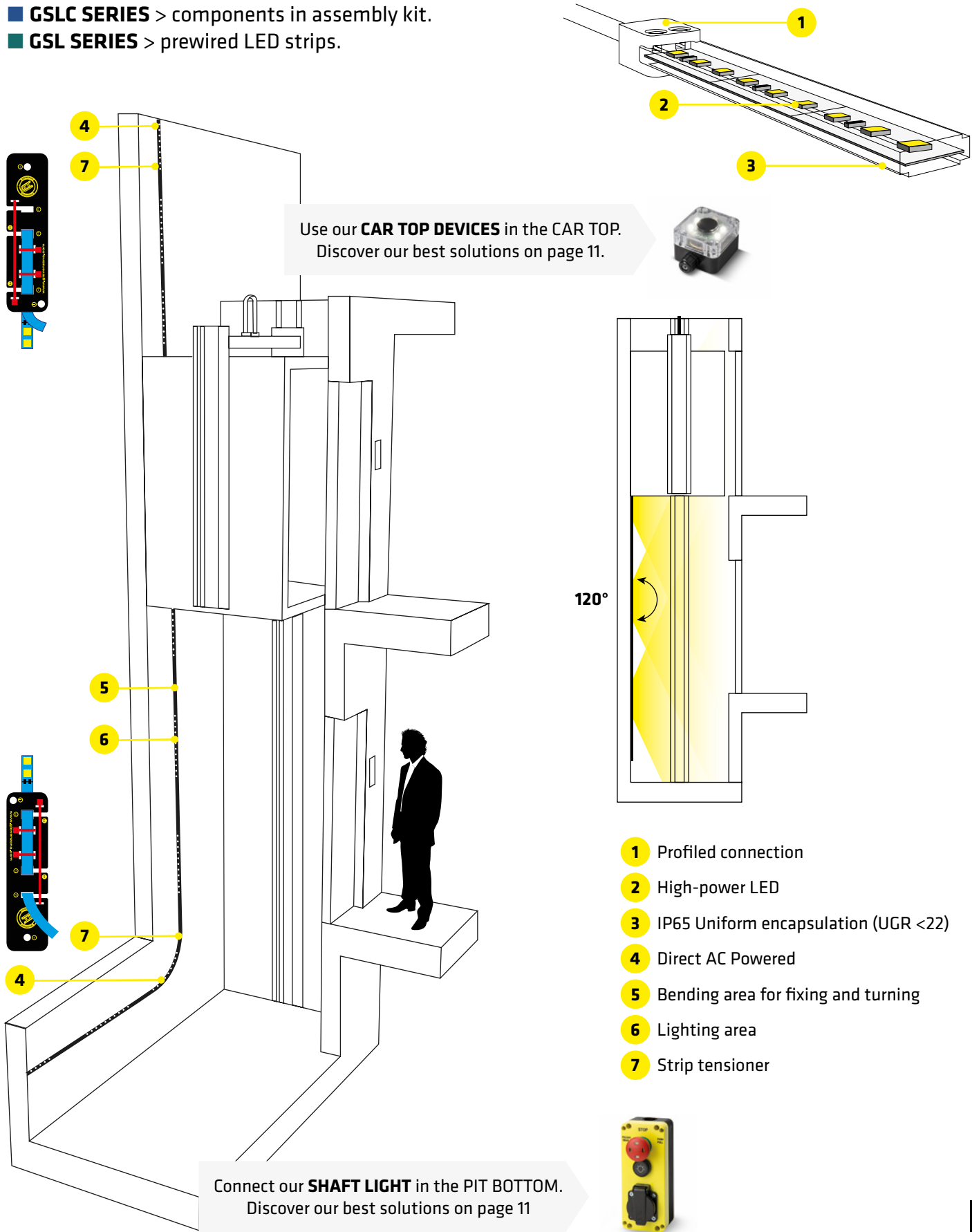
Continuous research and development enables us to combine customers' requests with our experience and current European and international standards.  We look forward to hearing from you and solving your needs together!

| 1 | Profiled connection |
| 2 | High-power LED |
| 3 | IP65 Uniform encapsulation (UGR <22) |
| 4 | Direct AC Powered |
| 5 | Bending area for fixing and turning |
| 6 | Lighting area |
| 7 | Strip tensioner |

Connect our **SHAFT LIGHT** in the PIT BOTTOM.
Discover our best solutions on page 11

**GSLC Series** is a solder-free connection solution specially designed to facilitate the installation of Giovenzana products. It uses profiled technology connectors, guaranteeing quick installation, reliability and connection sealing.
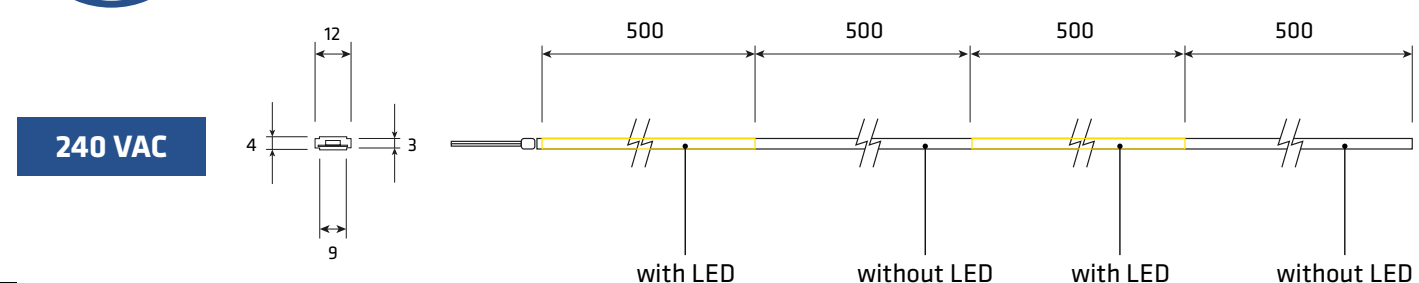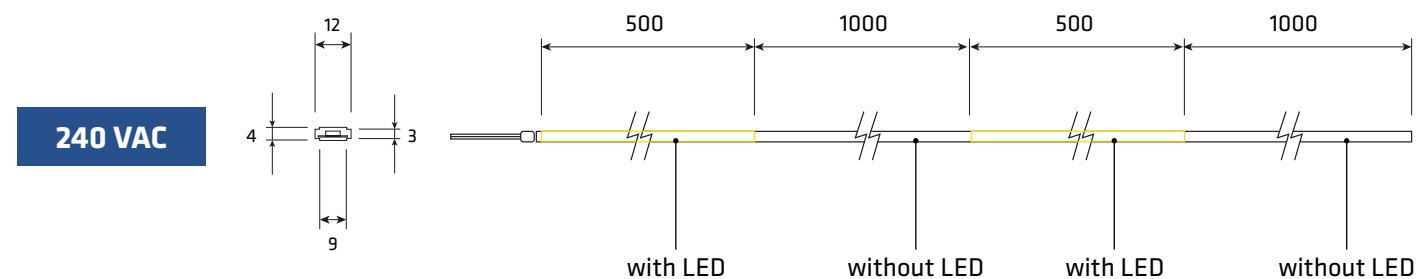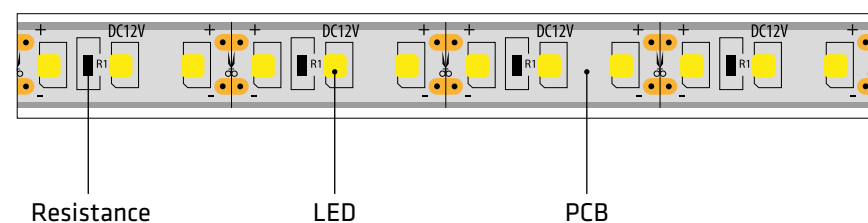
Giovenzana's new **GSLC Series flexible strips** consists of a complete range of products that are sold separately to form a customized **assembly kit.**
You can choose the codes of the components you need to install your own LED strip line from those below.

## FLEXIBLE LED STRIPS

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 propose two different types of flexible LED strips: **GSL30** and **GSL60**.

Resistance          LED          PCB

### GSL30
**FLEXIBLE STRIPS**
➲ 300-metre coil.

**240 VAC**

12    4    3    9

500    1000    500    1000

with LED    without LED    with LED    without LED

### GSL60
**FLEXIBLE STRIPS**
➲ 300-metre coil.

**240 VAC**

12    4    3    9

500    500    500    500

with LED    without LED    with LED    without LED

## 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.
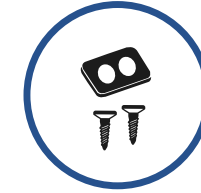
GSLC009    GSLC001    GSLC002    GSLC004    GSLC012    GSLC010    GSLC011
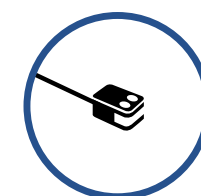
### GSLC001
**CABLE-PROFILED**
➲ Connect power line cable to LED strips.
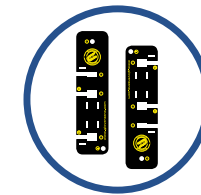➲ To be connected to the shaft light.

### GSLC002
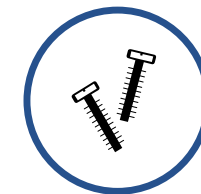**PROFILED SILICONE END CAP FOR POWER**
➲ Insulates the input power cable.
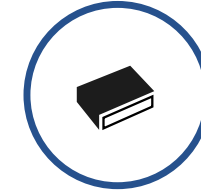
### GSLC003
**PROFILED SILICONE END CAP TERMINATIONS**
➲ Insulates the LED strip termination.

### GSLC004
**PROFILED SCREW SET**
➲ LED strip mechanical and electrical connection with caps to cover screws and LED sealant.
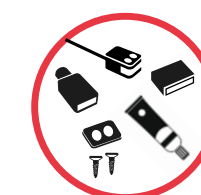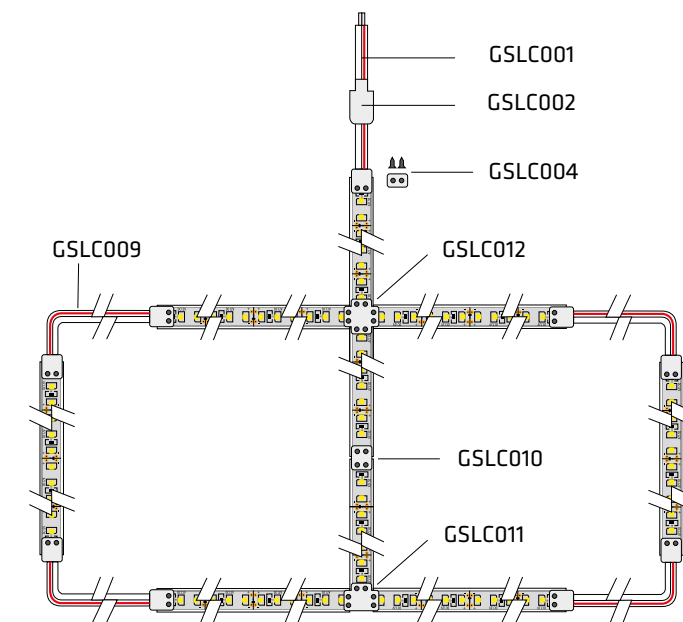
### GSLC005
**LED STRIP TENSIONERS (2 pieces)**
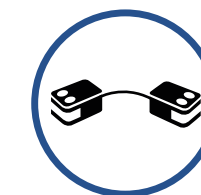➲ Part that tensions the LED strip.

### GSLC006
**WALL PLUGS**
➲ For LED strip mounting.
➲ Distance between plugs: 1.5 m for vertical installation, 0.5 m for horizontal installation.
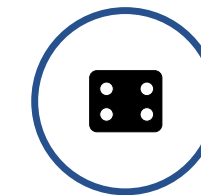➲ On request.

### GSLC007
**LED SEALANT**
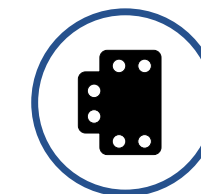➲ Sealant that provides the proper insulation.
➲ On request.

### GSLC008
**PROFILED CONNECTION SET**
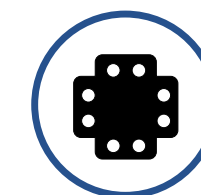➲ Including:

GSLC001    GSLC002    GSLC003
GSLC004    GSLC007

### GSLC009
**PROFILED - PROFILED**
➲ Connects two LED strips at a flexible angle.

### GSLC010
**PROFILED BRIDGE CONNECTOR**
➲ Connects two LED strips in a straight line.

### GSLC011
**PROFILED T CONNECTOR**
➲ Connects three LED strips.

### GSLC012
**PROFILED CROSS CONNECTOR**
➲ Connects four LED strips.

### KIT COMPONENTS CODE TABLE

| CODE | DESCRIPTION | PR.CLASS |
|------|-------------|----------|
| GSL30 | 300-metre coil | |
| GSL60 | 300-metre coil | |
| GSLC001 | Cable-profiled | |
| GSLC002 | Profiled silicone end cap for power | |
| GSLC003 | Profiled silicone end cap terminations | |
| GSLC004 | Profiled screw set | |
| GSLC005 | LED Strip Tensioners (2 pieces) | IP65 |
| GSLC006 | Wall plugs - on request | |
| GSLC007 | LED sealant - on request | |
| GSLC008 | Profiled connection set: GSL001 + GSL002 + GSL003 + GSL004 + GSL007 | |
| GSLC009 | Profiled - profiled | |
| GSLC010 | Profiled bridge connector | |
| GSLC011 | Profiled T connector | |
| GSLC012 | Profiled cross connector | |

**RECOMMENDED!!!**
This product must be used with our shaft light. You can find the complete range in our **LIFT CATALOGUE**.
Download it from our website **www.giovenzana.com/download/**
Discover our best solutions on page 11.

### FLEXIBLE STRIPS | GSL30 & GSL60 |
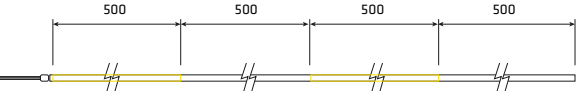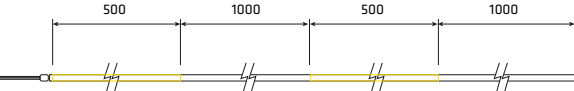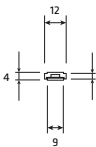
➔ 300-metre coil.
➔ 2 versions: **GLS30** and **GLS60**.

**240VAC**

**GSL30**

**GSL60**

| | GSL30 | GSL60 |
|------|-------|-------|
| Power (W/m) | 3.2 | 6.4 |
| Flux (lm/m) | 300 | 600 |
| Shaft area (m²) | 3.5 | 9.2 |

➔ UV Rating F1.
➔ Flame retardant and resistant class V0 (UL94).
➔ VOC free (Volatile Organic Compound).
➔ **Anti-Glare Treatment UGR <22** (market standard <25).
➔ Silicone has excellent resistance to oil, solvents and other chemicals.
➔ High flexibility and mechanical resistance.

➔ IP65 Protection.
➔ Beam angle 120°.
➔ Voltage 240VAC.
➔ Operating temperature -40° ~ +70°.
➔ Dimmable & flickerless with PF > 0.85.
➔ Different lengths available.
➔ To divide every 1.5 m (GSL30) or 1 m (GSL60).
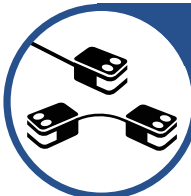
### CABLES | GSLC001 & GSLC009 |

➔ Connect power line cable to LED strips.
➔ Standard length: 20 cm (cable-profiled) and 10 cm (profiled-profiled).
➔ Customizable lengths on request.
➔ Mounting composed of two cables (2x0.5).
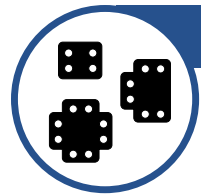➔ To be connected to the shaft light.

**GSLC001**
**CABLE - PROFILED**

20 cm

5 mm  11 mm

15 mm  8 mm

**GSLC009**
**PROFILED - PROFILED**

10 cm

5 mm  11 mm

15 mm  8 mm
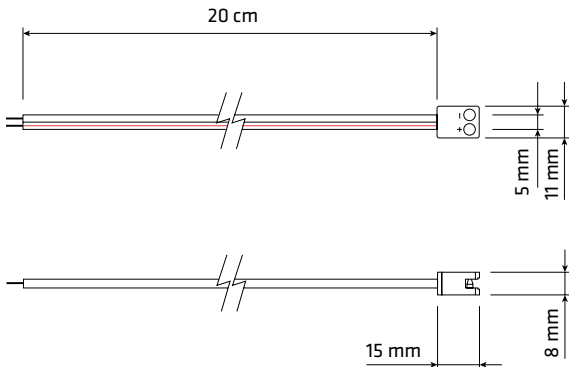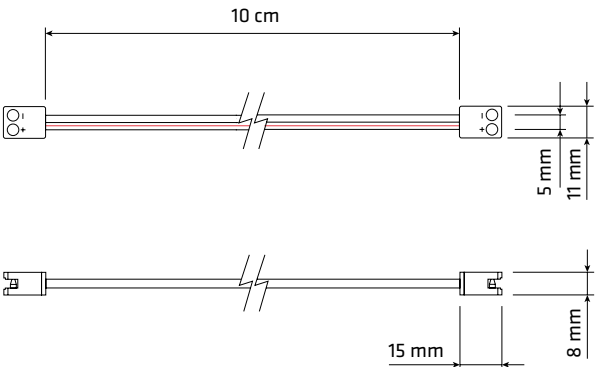
➔ Maximum current 6A.
➔ Profiled and double profiled connection.

➔ Voltage 240VAC.
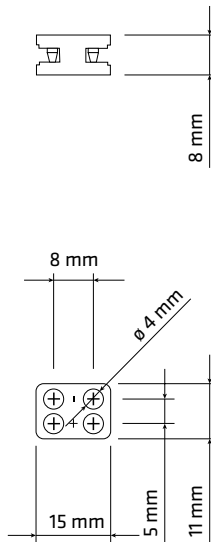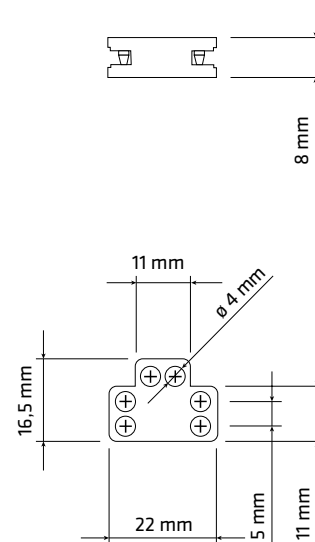➔ Operating temperature -40° ~ +70°.
➔ IP65 protection.

## CONNECTIONS | GSLC0010 - GSLC011 - GSLC012 |

◐ **PROFILED BRIDGE CONNECTOR** connects two LED strips in a straight line.
◐ **PROFILED T CONNECTOR** cconnects three LED.
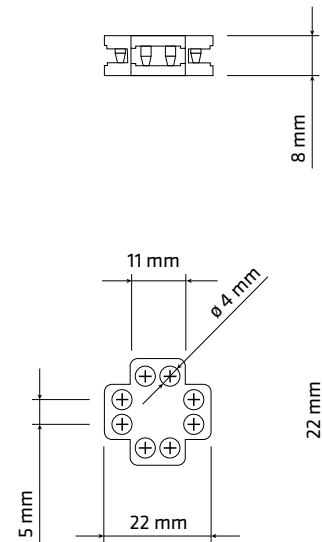◐ **PROFILED CROSS CONNECTOR** connects four LED strips.

### GSLC010
**PROFILED BRIDGE CONNECTOR**

8 mm

8 mm

ø 4 mm

15 mm | 5 mm | 11 mm

### GSLC011
**PROFILED T CONNECTOR**

8 mm

11 mm

ø 4 mm

16,5 mm

22 mm | 5 mm | 11 mm

### GSLC012
**PROFILED CROSS CONNECTOR**
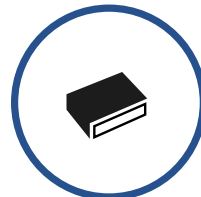
8 mm

11 mm

ø 4 mm

22 mm

5 mm | 22 mm

◐ Maximum current 6A.
◐ Profiled connection.
◐ Voltage 240VAC.

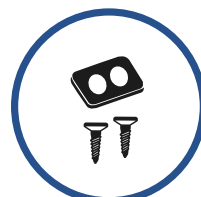◐ Operating temperature -40° ~ +70°.
◐ IP65 protection.

## ACCESSORIES | GSLC002 - GSLC003 - GSLC004 - GSLC005 - GSLC006 - GSLC007 |

### GSLC002
**PROFILED SILICONE END CAP FOR POWER**
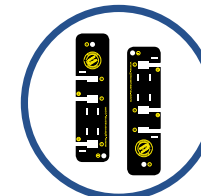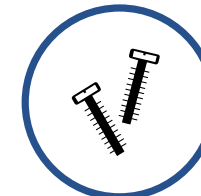
### GSLC003
**PROFILED SILICONE END TERMINATIONS**

### GSLC004
**PROFILED SCREW SET**

◐ Profiled connection.
◐ Stainless screw system.
◐ High quality silicone parts.
◐ Long lifespan products.
◐ UV resistance.
◐ Dust-proof connection.
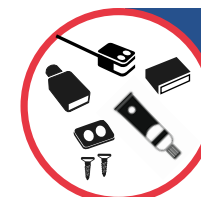◐ IP65 protection.
◐ Operating temperature -40° ~ +70°.

### GSLC005
**LED STRIP TENSIONERS (2 PIECES)**

◐ Plastic material.
◐ Wall mounted.
◐ To keep the LED strip in tension without using dowels.

### GSLC006
**WALL PLUGS**

◐ Press-in dowel for internal shaft installation.
◐ To mount LED strip on the wall.
◐ Distance between plugs: 1.5 m for vertical installation, 0.5 m for horizontal installation.
◐ 100-piece packs on request.

### GSLC007
**LED SEALANT**

## PROFILED CONNECTION SET | GSLC008 |

◐ **KIT** including different components to easily order the necessary for the installation of the LED strip line.

**KIT INCLUDES:**

**GSLC001**
Cable-profiled
+
**GSLC002**
Profiled silicone end cap for power
+
**GSLC003**
Profiled silicone end terminations
+
**GSLC004**
Profiled screw set
+
**GSLC007**
LED sealant

SILICONE GLUE

Further information at: **giovenzana@giovenzana.com**
Digital catalogue and installation manual available on our website: **www.giovenzana.com**

**GSL Series flexible strips** are specially designed to provide continuous light flux for elevator in shaft in compliance with EN 81-20/50. They can be cut and bent and can be produced in up to 300 metres per coil. Different lengths are available.

Giovenzana new **GSL Series flexible strips** consisting in a **complete product composed of**:
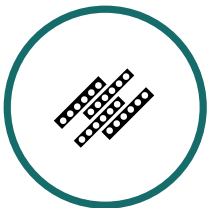
**FLEXIBLE STRIPS**

⊘ 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.
⊘ Available in two different versions: **GSL30** and **GSL60**.
⊘ Available in different lengths: 15 m, 18 m, 21 m, 24 m, 40 m and 60 m.

| 500 | 1000 | 500 | 1000 |
GSL30

| 500 | 500 | 500 | 500 |
GSL60
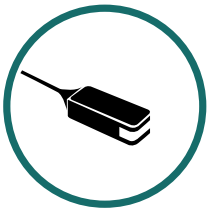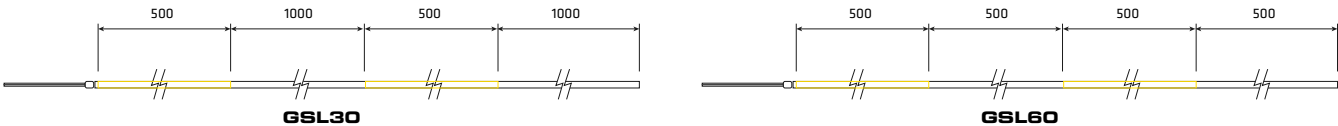
**CABLE-PROFILED**

⊘ Connect power line cable to LED strips.
⊘ Standard Length mounted: 10 m.
⊘ Mounting is composed of two double insulation cables (2x0.75). ☐
⊘ To be connected to the shaft light.
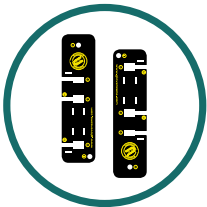
**LED STRIP TENSIONERS (2 pieces)**

⊘ Part that tensions the LED strip.
⊘ Methacrylate material.

## COMPLETE PRODUCT | CODE TABLE

| LENGTH | INCLUDING | GSL30 | GSL60 | PR.CLASS |
|---|---|---|---|---|
| 15 metres | Flexible strips of chosen length + Cable-profiled + LED Strip Tensioners (2 pieces) | GSL30015 | GSL60015 | IP65 |
| 18 metres | | GSL30018 | GSL60018 | |
| 21 metres | | GSL30021 | GSL60021 | |
| 24 metres | | GSL30024 | GSL60024 | |
| 40 metres | | GSL30040 | GSL60040 | |
| 60 metres | | GSL30060 | GSL60060 | |

**RECOMMENDED!!!**
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▶ **CAR TOP DEVICES WITH 5 LUX LED LIGHT**

| GM034 | GMS169 | GM033 |
|---|---|---|
| Maintenance station with 5 LUX white light and hole plug. | Maintenance station with 5 LUX white light and alarm button. | Maintenance station with 5 LUX white light, alarm button and socket. |

▶ **MAINTENANCE STATION WITH 50/5 LUX LED LIGHT**

| GM036/EU | GM036/UK |
|---|---|
| Maintenance station with LED LIGHT 50 LUX (@230 VAC) / 5 LUX (@12 V AC/DC) with Schuko socket and switch. | Maintenance station with LED LIGHT 50 LUX (@230 VAC) / 5 LUX (@12 V AC/DC) with UK socket and switch. |

Different sockets on request.

▶ **SHAFT LIGHT**

Maintenance station available with different sockets on request.

**GMS118** with socket: Schuko - Europe
**GMS118/FR** with socket: Cenelec - France
**GMS118/US** with socket: USA
**GMS118/SW** with socket: Swiss
**GMS118/UK** with socket: England
**GMS118/CH** with socket: Australia & China

IP54

**GM403A** 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** 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

Version available with push button and socket. ▶

IP54