To the product video

BRIEF INFORMATION

FlexaTec

- Flexible light strip for homogenous illumination
- Quick and easy installation
- Individual length – can be combined up to 100 m

PRODUCT FEATURES

The new flexible LED light strip from FORVIA HELLA for industrial applications is available in different section lengths and can be combined to a length of up to 80 or 100 meters depending on the country. It is available as both 110 and 230 volt AC version and is made of a non-flammable material (PVC flammability class V0).

Installation is easy, thanks to the specially designed clips. Therefore, FlexaTec can be used, for example, in underground mining applications or conveyor belt systems.

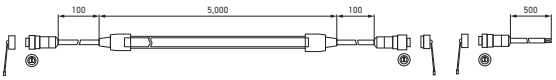
The light ensures homogenous illumination of the working environment. With a colour temperature of 5,000 Kelvin, the light from FlexaTec is also very similar to daylight. This means that colours can be distinguished more clearly in the dark, thus making sensory perception significantly easier for the human eye. In turn, this prevents workers' eyes from tiring quickly during work in dark environments, such as in underground mining. Other colour temperatures are available on request.

Variants with red or green light colours, which can be used as safety or orientation aids, for example, complete the range.

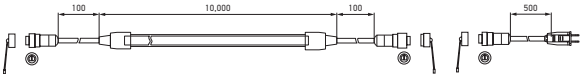
TECHNICAL DETAILS

Technical data		
Variant	**110**	**230**
Operating voltage range	Single-voltage (100–120 V)	Single-voltage (220–240 V)
Rated voltage	110 V AC	230 V AC
Current consumption	0.1 A/m	0.07 A/m
Power consumption	11 W/m	15 W/m
Light output (warm)	1,200 lm/m	1,500 lm/m
Light source	LED	
Colour temperature	5.000 K (white)	
Material	PVC (flammability class V0)	
Weight	2,700 g (10 m) 15,200 g (80 m) 17,500 g (100 m)	1,700 g (5 m) 2,700 g (10 m) 15,000 g (100 m)
Temperature range	-20 °C to +40 °C	
Protection class	IP 6K7	
Mounting	Quick mounting using specially designed clips	
Connection	10 m and 100 m cable with open end or 10 m and 80 m cable with connector	5 m, 10 m and 100 m cable with open end

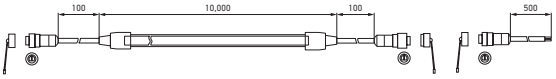
Dimensional sketch



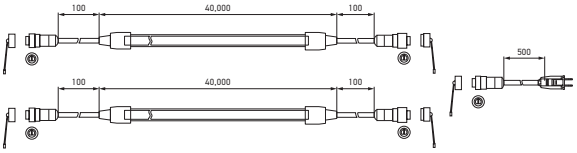
5 m cable with open end



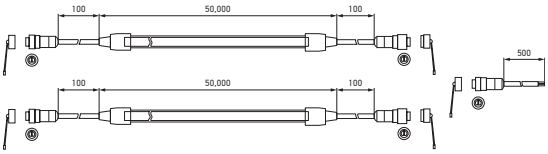
10 m cable with connector



10 m cable with open end

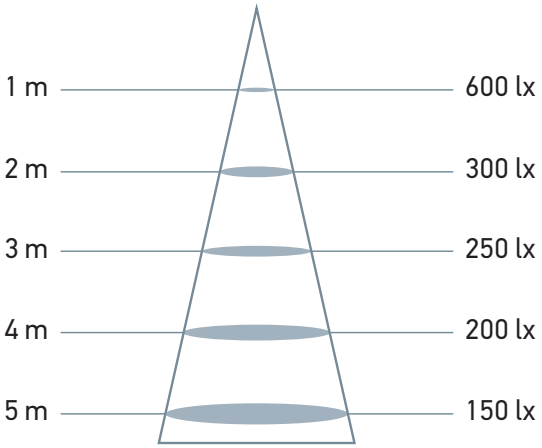


80 m cable with connector

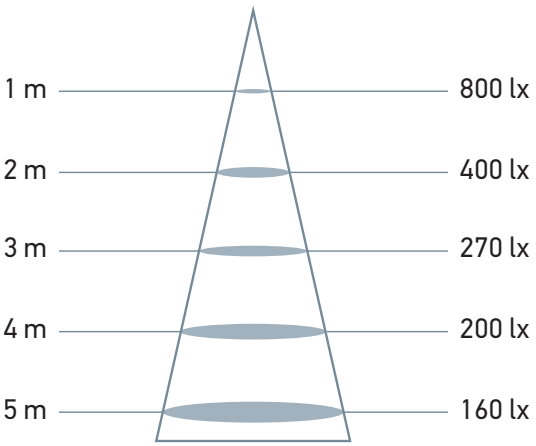


100 m cable with open end

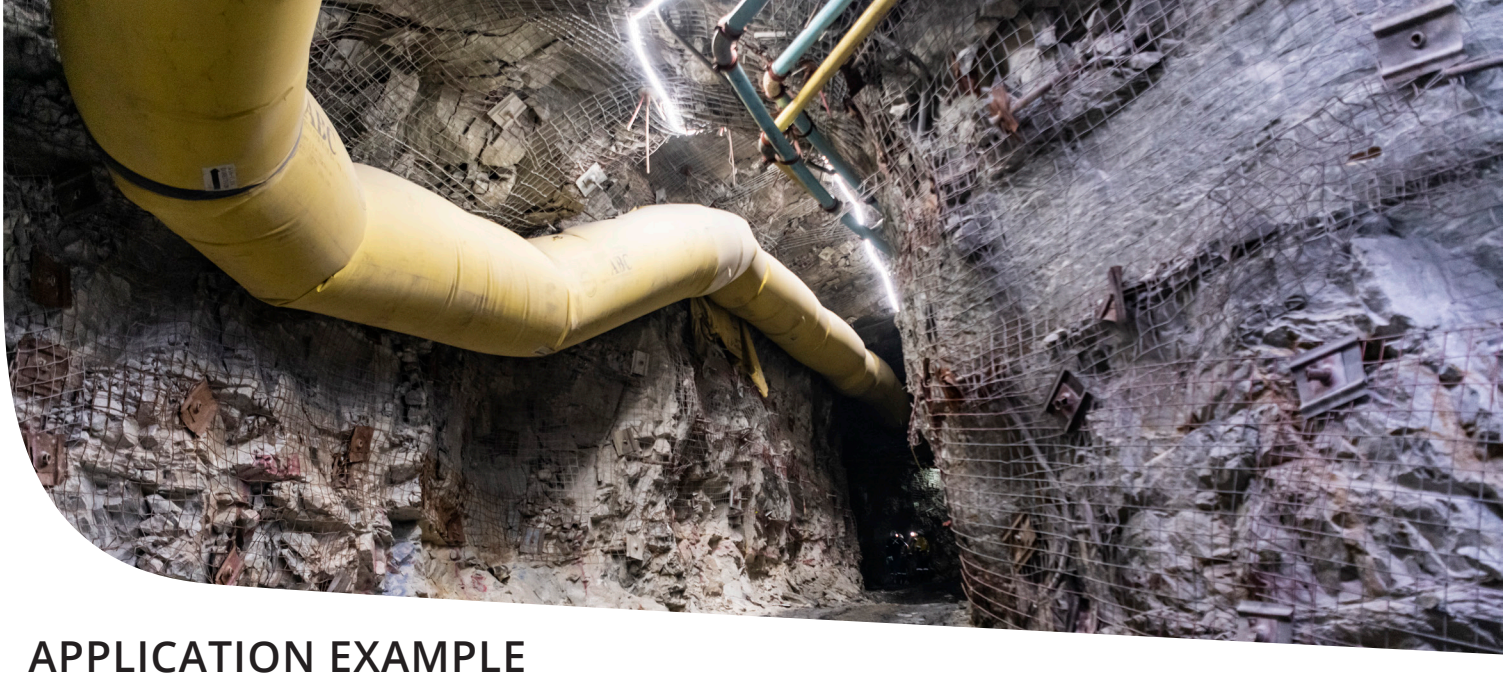
ILLUMINATION



Variant 110 V AC



Variant 230 V AC



APPLICATION EXAMPLE

PROGRAM OVERVIEW

Product picture	Variant	Certified for region	Light colour	Connection	Part number
	110	India (IN)	White	10 m cable with open end	**1GJ 995 180-211**
				100 m cable with open end	**1GJ 995 180-701**
		South Africa (SA)		10 m cable with connector	**1GJ 995 180-201**
				80 m cable with connector	**1GJ 995 180-601**
	230	Europe (EU), Australia (AU), South Africa (SA)	White	5 m cable with open end	**1GJ 995 181-101**
				10 m cable with open end	**1GJ 995 181-201**
				100 m cable with open end	**1GJ 995 181-601**
			Red	5 m cable with open end	**1GJ 995 181-111**
				10 m cable with open end	**1GJ 995 181-211**
			Green	5 m cable with open end	**1GJ 995 181-121**
				10 m cable with open end	**1GJ 995 181-221**

SPARE PARTS

Variant	Certified for region	Part number
Spare parts set includes fastening clips, end cap and connecting cable		
110	India (IN)	**9XD 990 181-021**
230	Europe (EU), Australia (AU), South Africa (SA)	**9XD 990 181-011**

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