



[FlexTEK]

ADVANCED FLEXIBLE LIGHTING



3
YEAR
PRODUCT
WARRANTY

**IP
66**
INGRESS
PROTECTION

**IK
10**
IMPACT
PROTECTION

Description

The [FlexTEK] is a new approach to industrial tunnel and area lighting. Its extended run lengths allow for significantly reduced installation costs. Durable, non-toxic and flexible silicone construction with up to 200m / 360m coverage.

The [FlexTEK] was developed to provide a Safe Extra Low Voltage (SELV) lighting solution for tunnels, conveyors and industrial lighting applications. The [FlexTEK] offers a combination of high efficiency LED chips and cutting edge power stabilisation providing its extended run length and market leading output.

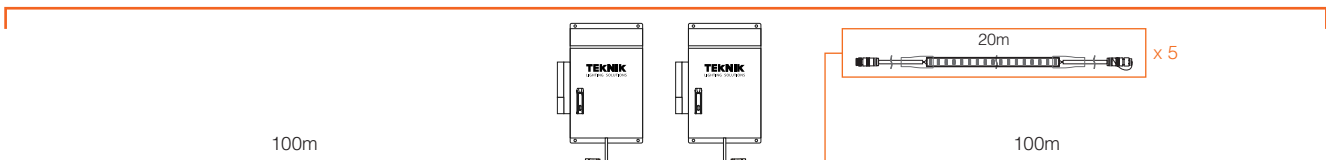
The [FlexTEK] is designed for easy installation eliminating the need for 240V conventional lighting. This lowers overall lighting project costs and increases site safety.

Key Features

- Up to 320m powered from a single AC point
- Proprietary non-toxic silicone compound designed to be inherently flame retardant & anti-static.
- Modular 'plug and play' design for versatility and easy installation
- Patented surface coating to prevent dust accumulation
- Available in red or green indication colour with passive emergency glow after loss of power

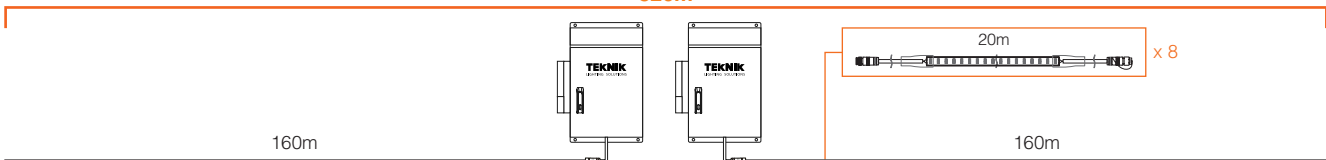
Example

200m



Long range version

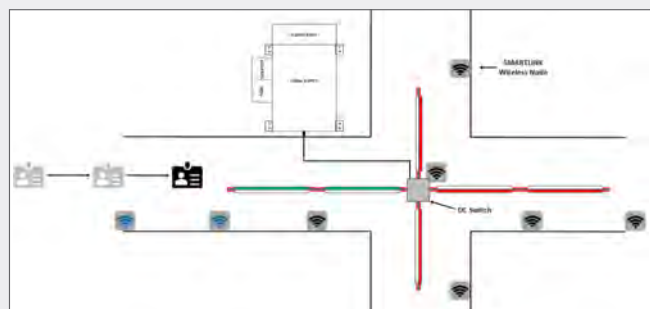
320m



FlexTEK RED/GREEN



- Intersection control through PLC or relay channel control
- Fixed colour or output changing
- Highlight exit points, safe stations
- Highlight no-go zones
- Standalone or integrated into standard FlexTEK rope
- Adapters to T and X off sections with colour
- Physically coloured chip, no fading or colour changing over time



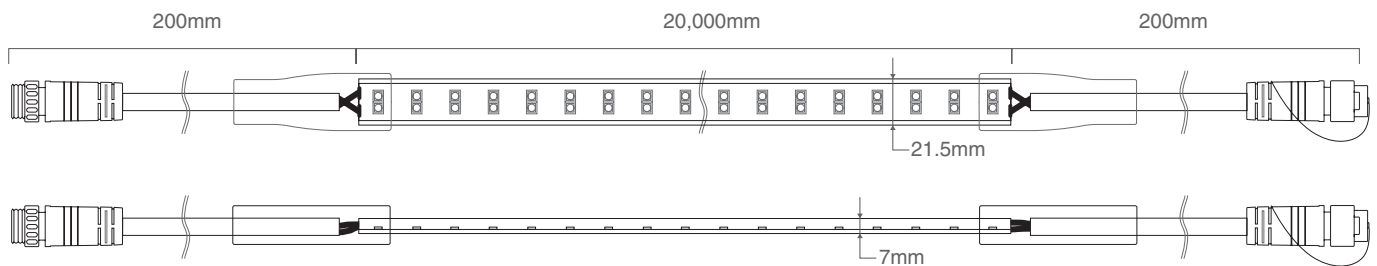
Model No.	RF-20-3RG-48	CRI	>80
Power	3W/m	Length	20m
Output	Indication light	Max Coverage*	320m
CCT	Red/Green	<small>Red/Green rope and connectors special order only. *From a single AC point</small>	



Technical Specifications

Rated Life	≥50,000 hours	Operating Temperature	-10°C to +40°C
Body	Silicone	Input Voltage	MAX 48VDC
Installation	Surface mount	IP Rating	IP66
Beam Angle	120°	IK Rating	IK10
SDCM	<5	Net Weight	6.2kg
Power	8W/m, 5W/m, 3W/m		

Dimensional Drawings




Product Data

Part Number	Power	Lumen Output	CCT	CRI	Length	Max Coverage*
RF-20-8D-48	8W/m	800lm/m	5700K	>80	20m	200m
RF-20-5D-48	5W/m	500lm/m	5700K	>80	20m	320m
RF-20-3RG-48**	3W/m	Indication light	Red/Green	>80	20m	320m

*From a single AC point

**Special order only, contact Teknik Lighting Solutions Sales representative for ordering information

Driver Box Specifications

	Input Voltage	90-264VAC ~ 50/60Hz
	IP Rating	IP65
	Material	316 Stainless Steel
	Dimensions	665 x 400 x 170mm
	Weight	19.5kg
	Operating Temp.	-10°C to +40°C
	Output Voltage	48 VDC
	Code	BF-664017-SS-48



Isolator*

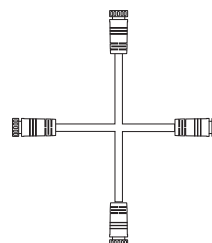


MCB*

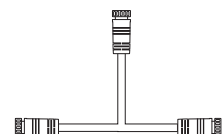
*Images for reference only, actual components may vary

Accessories†

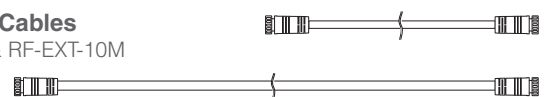
X-Connector
RF-XCON



T-Connector
RF-TCON



Extension Cables
RF-EXT-5M & RF-EXT-10M



†For standard rope only, for Red/Green rope accessories contact your Teknik Lighting Solutions representative