

TechLine

LED lighting fixtures

Linear industrial lighting fixtures



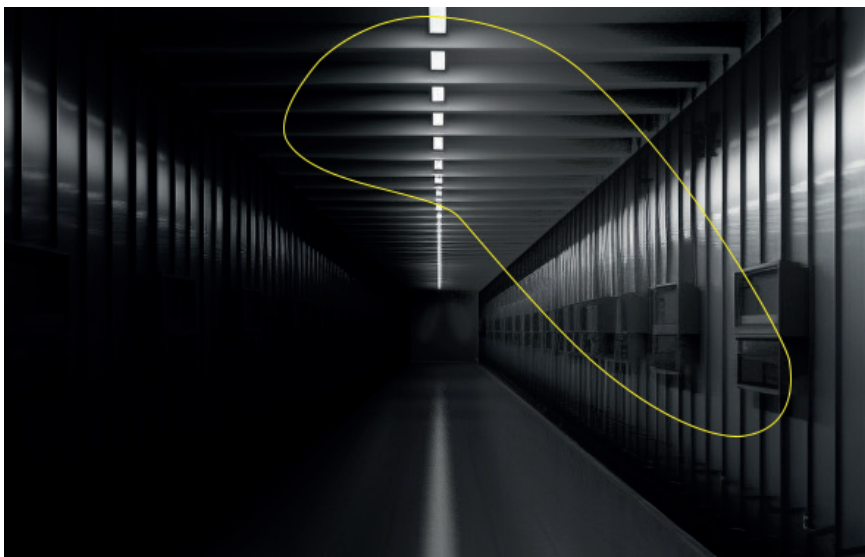
Application

Dust, waterjet and UV resistant (HT version for high temperature applications) industrial linear LED lighting fixture. This fixture is designed for use in production halls, warehouses and other facilities where reliable illumination is critical for work safety and efficiency.

▶ This lighting fixture is designed to replace 18W/36W/56W fluorescent luminaires reducing energy consumption at the same time.

▶ This fixture offers high energy efficiency and work comfort by allowing the following control options: DALI control, motion detectors, daylight harvesting, intelligent PoE controls

- ▶ Available in external mounting version
- ▶ It's design offering cable entries from both ends and the top eliminates the need for additional junction boxes.
- ▶ The insides of the fixture are designed with the installers' efficiency in mind: quick opening, no loose parts, easy access to connection terminals
- ▶ No need to replace the entire fixture when different light distribution is required. There is a selection of 22 lenses to choose from. Illustration below:



TechLine fixture - numbers

- ▶ 3 types of application (general lighting, emergency with self-contained inverter, emergency for central battery systems)
- ▶ 3 lengths,
- ▶ 2 types of diffuser
- ▶ 2 body types
- ▶ up to 5 years of warranty,
- ▶ installation in 2 minutes
- ▶ + 22 additional directional lenses



TechLine fixtures 615 mm length

Technical data



	TechLine 60-20*****-----	TechLine 60-24*****-----
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Lighting data	TechLine 60-20*****-----	TechLine 60-24*****-----
Rated luminous flux [lm]	2600	3400
Light source type	20W LED Module	24W LED Module
Color temperature [K]	4000	
CRI	>80	
Efficacy of the complete luminaire [lm / W]	130	141
Lifetime [h]	L70B10 (Ta=35°C): 70 000 L80B10 (Ta=35°C): 48 000	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000 L80B10 (Ta=45°C): 72 000

All data was measured at 25°C, color temperature of 4000K, CRI>60. Tolerance +/-5%

Electrical data	TechLine 60-20*****-----	TechLine 60-24*****-----
Protection class	I	
Rated power [W]*	20	24
Power factor	0,94	0,96
Rated Voltage [V]	AC 220-240, 50/60Hz DC 220-240, 0Hz	
Rated current [A]	0,10	0,12
Cable terminals	min. 1,5mm ² max. 2,5mm ²	

Mechanical data	TechLine 60-20*****-----	TechLine 60-24*****-----
Degree of protection	IP66/67	
Impact resistance	Cover up to IK10; Body up to IK10	
Body	Polycarbonate (PC)	
Cover	UV stabilized PC or PMMA. Opalized version	
Working temperature	-20°C ≤ Ta ≤ +45°C	
Gasket	Silicone or non-aging polyurethane „endless" type injected gasket	

* - Power tolerance +/-5%



TechLine fixtures 1174 mm length

Technical data



	TechLine 12-24*****-----	TechLine 12-37*****-----	TechLine 12-61*****-----
Lighting data			
Rated luminous flux [lm]	3500	5200	8300
Light source type	24W LED Module	37W LED Module	61W LED Module
Color temperature [K]	4000		
CRI	>80		
Efficacy of the complete luminaire [lm / W]	145	140	136
Lifetime [h]	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000 L80B10 (Ta=45°C): 72 000	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000 L80B10 (Ta=45°C): 72 000	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000
All data was measured at 25°C, color temperature of 4000K, CRI>60. Tolerance +/-5%			
Electrical data			
Protection class	I		
Rated power [W]*	24	37	61
Power factor	0,97	0,96	0,97
Rated Voltage [V]	AC 220-240, 50/60Hz DC 220-240, 0Hz		
Rated current [A]	0,12	0,17	0,27
Cable terminals	min. 1,5mm ² maks. 2,5mm ²		
Mechanical data			
Degree of protection	IP66/67		
Impact resistance	Cover up to IK10; Body up to IK10		
Body	Glassfibre reinforced polyester (GRP) or Polycarbonate (PC)		
Cover	UV stabilized PC or PMMA. Opalized version		
Working temperature	-20°C ≤ Ta ≤ +45°C	-20°C ≤ Ta ≤ +45°C	-20°C ≤ Ta ≤ +35°C
Gasket	Silicone or non-aging polyurethane „endless“ type injected gasket		

* -Power tolerance +/-5%



TechLine fixtures 1174 mm length

Technical data



	TechLine 12-74*****-----	TechLine 12-51*****-----HT	TechLine 12-59*****-----HT
Lighting data			
Rated luminous flux [lm]	11300	7400	8700
Light source type	74W LED Module	51W LED Module	59W LED Module
Color temperature [K]	4000		
CRI	>80		
Efficacy of the complete luminaire [lm / W]	152	145	147
Lifetime [h]	L70B50 (Ta=35°C): 100 000 L80B10 (Ta=35°C): 64 000	L80B10 (Ta=50°C): 64 000 L90B10 (Ta=50°C): 50 000	L80B10 (Ta=50°C): 64 000 L90B10 (Ta=50°C): 50 000

All data was measured at 25°C, color temperature of 4000K, CRI>60. Tolerance +/-5%

Electrical data			
Protection class	I		
Rated power [W]*	74	51	59
Power factor	0,97	0,93	0,97
Rated Voltage [V]	AC 220-240, 50/60Hz DC 220-240, 0Hz		
Rated current [A]	0,33	0,23	0,26
Cable terminals	min. 1,5mm ² max. 2,5mm ²		

Mechanical data			
Degree of protection	IP66/67		
Impact resistance	Cover up to IK10; Body up to IK10		
Body	Glassfibre reinforced polyester (GRP) or Polycarbonate (PC)		
Cover	UV stabilized PC or PMMA. Opalized version	UV stabilized PC. Opalized version	UV stabilized PC. Opalized version
Working temperature	-20°C ≤ Ta ≤ +35°C	-30°C ≤ Ta ≤ +60°C	-30°C ≤ Ta ≤ +50°C
Gasket	Silicone or non-aging polyurethane „endless“ type injected gasket		

* - Power tolerance +/-5%



TechLine fixtures 1454 mm length

Technical data



	TechLine 15-44*****-----	TechLine 15-51*****-----	TechLine 15-77*****-----
Lighting data			
Light source type	7000	7000	10400
Light source type	44W LED Module	51W LED Module	77W LED Module
Color temperature [K]	4000		
CRI	>80		
Efficacy of the complete luminaire [lm / W]	160	137	135
Lifetime [h]	L70B50 (Ta=35°C): 102 000 L80B10 (Ta=35°C): 102 000 L80B10 (Ta=45°C): 102 000	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000 L80B10 (Ta=45°C): 72 000	L70B50 (Ta=35°C): 72 000 L80B10 (Ta=35°C): 72 000

All data was measured at 25°C, color temperature of 4000K, CRI>60. Tolerance +/-5%

Electrical data			
Protection class	I		
Rated power [W]*	44	51	77
Power factor	0,93	0,97	0,97
Rated Voltage [V]	AC 220-240, 50/60Hz DC 220-240, 0Hz		
Rated current [A]	0,19	0,22	0,34
Cable terminals	min. 1,5mm ² max. 2,5mm ²		

Mechanical data			
Degree of protection	IP66/67		
Impact resistance	Cover up to IK10; Body up to IK10		
Body	Glassfibre reinforced polyester (GRP) or Polycarbonate (PC)		
Cover	UV stabilized PC or PMMA. Opalized version		
Working temperature	-20°C ≤ Ta ≤ +45°C	-20°C ≤ Ta ≤ +45°C	-20°C ≤ Ta ≤ +35°C
Gasket	Silicone or non-aging polyurethane „endless“ type injected gasket		

* - Power tolerance +/-5%



TechLine fixtures 1454 mm length

Technical data



TechLine 15-62*****-----HT TechLine 15-70*****-----HT

Lighting data	TechLine 15-62*****-----HT	TechLine 15-70*****-----HT
Rated luminous flux [lm]	9500	10400
Light source type	62W LED Module	70W LED Module
Color temperature [K]	4000	
CRI	>80	
Efficacy of the complete luminaire [lm / W]	153	148
Lifetime [h]	L80B10 (Ta=50°C): 64 000 L90B10 (Ta=50°C): 64 000	L80B10 (Ta=50°C): 64 000 L90B10 (Ta=50°C): 50 000

All data was measured at 25°C, color temperature of 4000K, CRI>60. Tolerance +/-5%

Electrical data	TechLine 15-62*****-----HT	TechLine 15-70*****-----HT
Protection class	I	
Rated power [W]*	62	70
Power factor	0,96	0,97
Rated Voltage [V]	AC 220-240, 50/60Hz DC 220-240, 0Hz	
Rated current [A]	0,27	0,31
Cable terminals	min. 1,5mm ² max. 2,5mm ²	

Mechanical data	TechLine 15-62*****-----HT	TechLine 15-70*****-----HT
Degree of protection	IP66/67	
Impact resistance	Cover up to IK10; Body up to IK10	
Body	Glassfibre reinforced polyester (GRP) or Polycarbonate (PC)	
Cover	UV stabilized PC. Opalized version	
Working temperature	-30°C ≤ Ta ≤ +60°C	-30°C ≤ Ta ≤ +50°C
Gasket	Silicone or non-aging polyurethane „endless" type injected gasket	

* - Power tolerance +/-5%

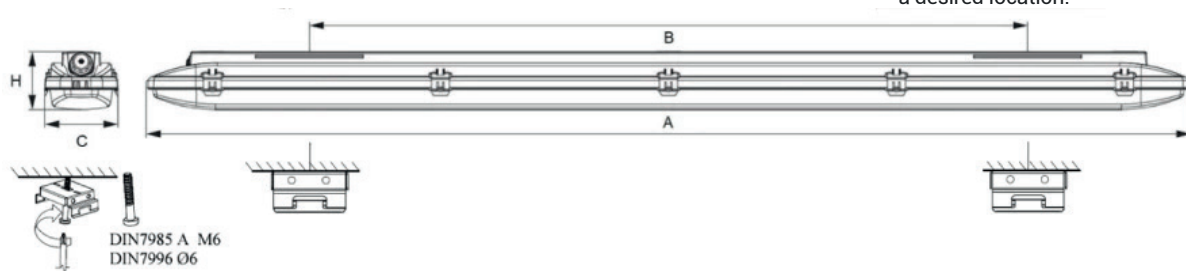
Dimensions and mounting options; Polar curves



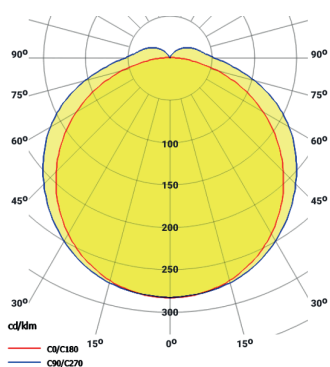
Dimensions and mounting options

Fixture type	A	B	C	H
TechLine 60-*****-----	615	300 ±25	102	80
TechLine 12-*****-----	1174	700 ±76	102	80
TechLine 15-*****-----	1454	1000 ±76	102	80

► TechLine lighting fixtures can be suspension, ceiling or wall mounted. To do this two stainless steel mounting clips should be first connected with suspension lines or mounting brackets and then attached by pushing them in to the body of the fixture. Special runners along the top surface of the fixture's body provide 15 cm of spacing adjustment for two longer versions and 5 cm of spacing adjustment for the shortest version. If needed, mounting clips can be locked in a desired location.



Polar curves



Emergency pictograms - codification



Directional lenses

Possibility to adjust light distribution of already installed luminaire by using of accessory directional lenses. 4 basic lenses:

- 40° wide beam - WS
- asymmetric beam - AS
- S-35°-70°
- asymmetric beam for uplighting AS-WS

Other directional lens configurations are available as needed - 22 types in all.

