

SYSTEMATIC QUALITY



Protection tube lights System lights Rail system

LED lights for indoor and outdoor use



LED Protection tube lights

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StreamLED - powerful and energy-efficient protective tube lights - the alternative to fluorescent tubes. The LED tubes emit the light energy bundled in a defined beam angle and this without annoying flickering and flaring. Particularly well suited for machines, wet rooms, pit lighting, tunnels and niches, industry, pedestrian underpasses, and much more.

AmbitLED - compact LED system light. The LED light bar is shock and vibration insensitive, so it is ideal for machine lighting and as additional lighting on vehicles / trains.

ITL - Industry Track LED - modular LED track system. Various radiation characteristics and services available, integration into a DALI system / emergency lighting system is also possible.





LED Protection tube lights

StreamLED Power



Product features



- Through wiring for light chain
- Connection by cable gland M20 (for cable Ø 7-14 mm)
- Indoor and outdoor applications
- Low energy with good light efficiency
- Full luminous flux is immediately available
- Minimum temperature development
- Constant brightness independent of outdoor temperature
- Extremely consistent in switching (> 1 million)
- Maintenance-free
- Shock and vibration resistant
- Indestructible (meets industrial health and safety standards)
- No UV / IR radiation

Technical data

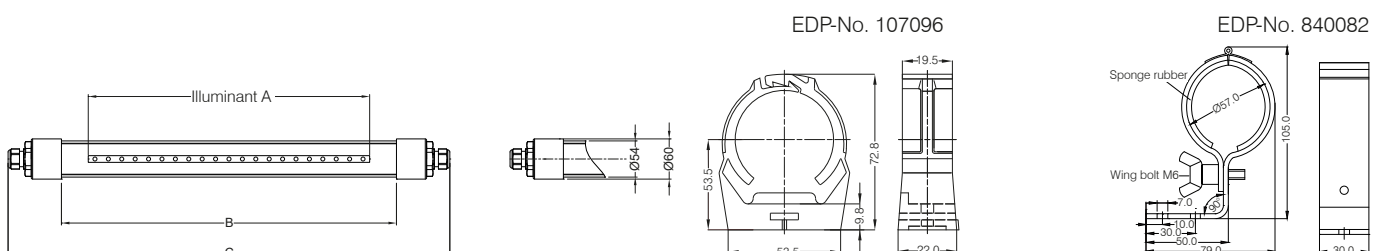
Operating Voltage	230VAC, 9 - 36VDC
LED Power	6W / 12W / 13,5W / 27W
Light color	4.000K / 6.500K
Beam Angle	120°
Type of protection	IP68 / IP69
Degree of protection against mechanical damage with acrylic tube*	IK10
Protection class	I
Temperature range for operation	-30°C to +50°C
Tube	shockproof acryl Ø 54 mm

Light color 4.000K						Dimensions (mm)		
LED Power	EDP-No. 230VAC	Product-ID-No.	EDP-No. 9-36VDC	Product-ID-No.	Luminous flux	A	B	C
6W	840684	GTF.LED.6W.840.230M.660KT	840688	GTF.LED.6W.840.9-36DCM.660KT	934lm	437	500	660
12W	840685	GTF.LED.12W.840.230M.1080KT	840689	GTF.LED.12W.840.9-36DCM.1080KT	1.871lm	875	920	1.080
13,5W	840686	GTF.LED.13,5W.840.230M.660KT	840690	GTF.LED.13,5W.840.9-36DCM.660KT	1.959lm	437	500	660
27W	840687	GTF.LED.27W.840.230M.1080KT	840691	GTF.LED.27W.840.9-36DCM.1080KT	3.723lm	875	920	1.080

Light color 6.500K						Dimensions (mm)		
LED Power	EDP-No. 230VAC	Product-ID-No.	EDP-No. 9-36VDC	Product-ID-No.	Luminous flux	A	B	C
6W	840660	GTF.LED.6W.865.230M.660KT	840680	GTF.LED.6W.865.9-36DCM.660KT	934lm	437	500	660
12W	840663	GTF.LED.12W.865.230M.1080KT	840678	GTF.LED.12W.865.9-36DCM.1080KT	1.871lm	875	920	1.080
13,5W	840661	GTF.LED.13,5W.865.230M.660KT	840679	GTF.LED.13,5W.865.9-36DCM.660KT	1.959lm	437	500	660
27W	840664	GTF.LED.27W.865.230M.1080KT	840964	GTF.LED.27W.865.9-36DCM.1080KT	3.723lm	875	920	1.080

Accessories StreamLED Power			
EDP-No.	Product-ID-No.	Description	
107096	GTF.WANDHALTERUNG.KUNSTSTOFF.GRAU	Wall fitting made of plastic, color grey	
840082	SL50.WANDHALTERUNG.A4.TYP1	Wall fitting of Niro A4	

2 pieces per light



StreamLED 70



Product features

- Through wiring is standard on all lighting
- Type of protection IP68/IP69, dust and waterproof
- Made in acrylic glass
- Resistant to mechanical and chemical stress even under extreme operating conditions trouble and maintenance-free
- Screws and brackets made of stainless steel
- Cap made from glass fiber reinforced plastic
- High Economic efficiency up to 160lm / W
- Small color tolerance <3SDCM

LED-Driver:

- Constant Current LED Driver
- Overtemperature protection
- Overload protection
- Short circuit protection
- Open circuit protection

Technical data

Operating Voltage	220 - 240V
Power frequency	50/60Hz
Light color	4.000K
Beam Angle	160°
Lifetime	50.000 operating hours
Type of protection	IP68 / IP69
Degree of protection against mechanical damage with acrylic tube*	IK10
Temperature range for operation	-25°C to +35/40°C

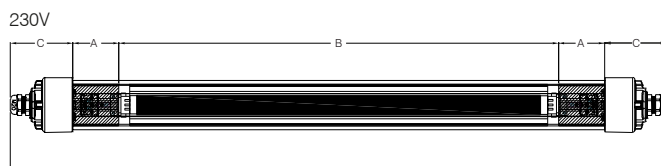
Range of application

Machines, dairy industry, sewage treatment plants, wet surroundings, breweries, pits, tunnels and bays, paper industry, pedestrian subways, etc.

LED Power	ACRYL		Dimensions (mm)			
	EDP-No.	Product-ID-No.	A	B	C	D ¹ max.
230V 50Hz mit Kompakt - LED-Leuchten mit eingebautem LED-Driver						
13W	840165	SL70.LED.13W.840.2G11.230M.750KT	70	435	app.88	750 ²
18W	840164	SL70.LED.18W.840.2G11.230M.925KT	95	560	app.88	925
230V 50Hz mit LED-Leuchten T8 (26 mm Durchmesser)						
6,5W	840086	SL70.LED.6,5W.840.G13.230M.925KT	65	620	app.88	925 ²
18W	840087	SL70.LED.18W.840.G13.230M.1535KT	65	1.230	app.88	1.535 ²
24W	840088	SL70.LED.24W.840.G13.230M.1835KT	65	1.530	app.88	1.835 ²
230V 50Hz mit LED-Leuchten T5 (16 mm Durchmesser) mit eingebautem LED-Driver						
18W	840168	SL70.LED.18W.840.G5.230M.1535KT	98	1.170	app.88	1.535 ²
2x 18W	840166	SL70.LED.2X18W.840.G5.230M.1535KT	95	1.170	app.88	1.535

¹ In single-side feed, the length of the lamp is reduced by elimination of the second cable gland 20mm (delivery standard).

² Temperature range for operation to +40°.



Plug-in type on request.



StreamLED 70 with emergency light function



Product features light:

- Through wiring is standard on all lighting
- Type of protection IP68/IP69, dust and waterproof
- Made in acrylic or borosilicate glass
- Degree of protection against mechanical damage, acrylic tube IK10
- Resistant to mechanical and chemical stress even under extreme operating conditions trouble and maintenance-free
- Screws and brackets made of stainless steel
- Cap made from glass fiber reinforced plastic
- High Economic efficiency up to 160lm / W
- Small color tolerance <3SDCM

Technical data

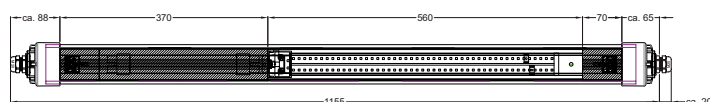
Operating Voltage	220 - 240V
Power frequency	50/60Hz
Light color	4.000K
Beam Angle	160°
Type of protection	IP68 / IP69
Degree of protection against mechanical damage with acrylic tube*	IK10
Temperature range for operation	0°C to +35°C
Operating time in battery mode	approx. 3h
Switching to battery operation	< 0,25s from recognition
LED power on battery operation	approx. 25%
Battery recharge time	20h

Product features rechargeable batteries:

- Nickel-cadmium cells (NiCd)
- Good charging characteristics at high temperature
- High energy maintenance of the charged accumulator
- Easy connection with flat connector
- Compliant with IEC 61951-2 (constant charging load test)
- 4 years life expectancy

LED Power	ACRYL		BOROSILICATE GLASS	
	EDP-No.	Product-ID-No.	EDP-No.	Product-ID-No.
18W	840501	SL70.LED.18W.840.2G11.230M.NOT.1175KT	840502	SL70.LED.18W.840.2G11.230G.NOT.1175KT

Accessories StreamLED 70 with emergency light function		
EDP-No.	Product-ID-No.	Description
118322	KOMPAKTLM.LED.18W.2G11.840.4000K.MATT.700MA.26V	LED tube 16 mm, 18W, 2,880 lumens, length: 505 mm
119989	SL-70.LED.ELEKTRONIK.NOT.AKKU.NICD.4A	NiCd emergency light battery 4A, capacity: 4.5 Ah, 4 cells
126153	SL-70.LED.DRIVER.30W.700MA.SNAPPY	Constant current LED driver, input voltage 180-264V AC, output voltage 21-43V DC , Output current 700mA, max. 30W
122107	SL-70.LED.ELEKTRONIK.NOT.EM.CONVERTER.SELFTEST	EM converterLED 104 50V with self-test function



Clearly visible function monitoring of the battery charge.



Simple battery exchange due to plug connections

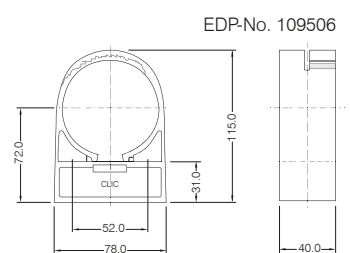
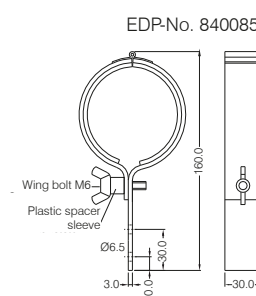
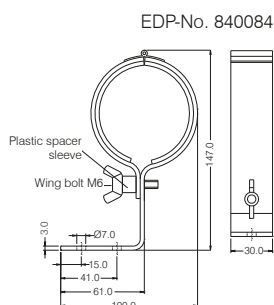
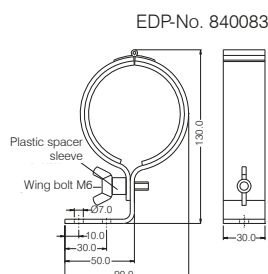


StreamLED 70

Spare parts StreamLED 70			
Typ	Luminous flux	EDP-No. Spare illuminant 4.000K	EDP-No. Spare EVG
Compact LED-Illuminant TC-L			
13W 2G11	2.020lm	119974	119980
18W 2G11	2.880lm	118322	126153
LED-Illuminant T8 (26 mm)			
6,5W T8	1.500lm	122818	-
18W T8	3.100lm	115360	-
24W T8	4.100lm	115364	-
LED-Illuminant T5 (16 mm)			
18W T5	3.010lm	119975	126153
2x 18W T5	2x 3.010lm	2x 119975	119982
27W T5	4.270lm	119976	119983
36W T5	5.700lm	119977	119984



Wall fitting StreamLED 70 / StreamLED 70 with emergency light function			
EDP-No.	Product-ID-No.	Description	
840083	SL70.WANDHALTERUNG.A4.TYP1	Wall fitting of Niro A4, 90° Length 90 mm Heigh 130 mm	
840084	SL70.WANDHALTERUNG.A4.TYP2	Wall fitting of Niro A4, 90° Length 100 mm Height 147 mm	
840085	SL70.WANDHALTERUNG.A4.TYP3	Wall fitting of Niro A4, straight Length 160 mm	
109506	SL70.WANDHALTERUNG.KUNSTSTOFF.GRAU	Wall fitting made of plastic, color grey	



Protection tube lights



StreamLED Power - Additional lighting on vehicles / trains



StreamLED 50/70 - Lighting of work pits



StreamLED Power - Underground parking garage lighting



StreamLED 70 Notlicht - Emergency lighting of an energy channel



StreamLED 70 - Tunnel lighting

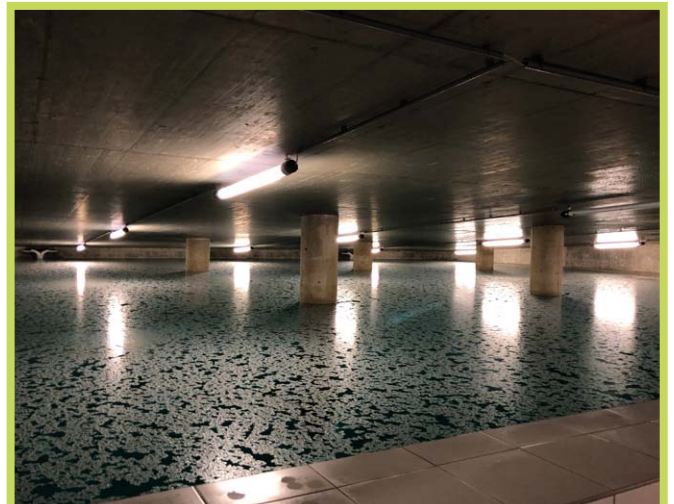
Protection tube lights



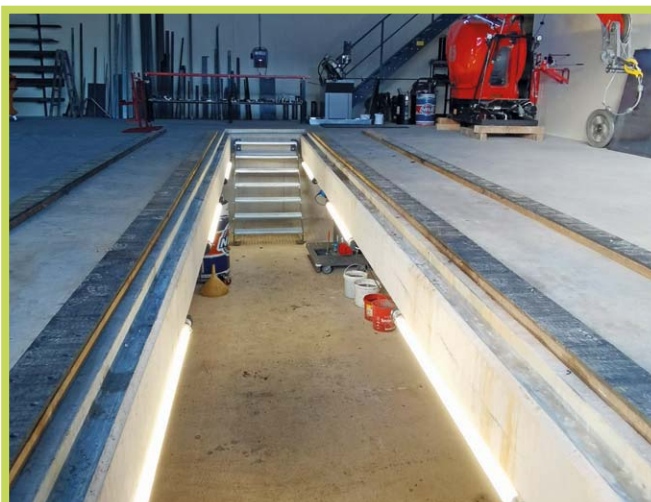
StreamLED Power - Lighting CNC milling machine



StreamLED Power - Tunnel lighting



StreamLED 70 - Elevated tank



StreamLED 70 - Lighting of work pits



StreamLED 70 - Cheese factory, machine lighting





LED System lights

AmbitLED (22 - 32VDC)



Product features

- Compact LED light strip
- Housing made of extruded aluminium
- Anodized surface
- Fixing bracket in stainless steel, variable mounting bracket
- Type of protection: IP67
- Light source: LED strips
- LED strip in moisture- and dust-tight sealing compound
- Connector: 2-pin, robust metal M16 industrial connectors, IP67
- Conductor cross-section: max. 0.75 mm²/ clamping area: 4-8 mm
- Delivery for through wiring with protective cap
- Loop-connection for light chain

Technical data

Illuminant	LED-strips cool white approx. 6.500K
Operating Voltage	24VDC ¹ (22-32V), verpolungssicher
LED Power consumption	1,5W, 4W or 8W (at 24VDC)
Type of protection	IP67
Protection class	III
Service temperature range	-25°C to +50°C
Plug	2-pin connector with screw locking
Cable	2x0.75 mm ² , halogen-free, UV- and weather resistant, cold resistant to -40 °C

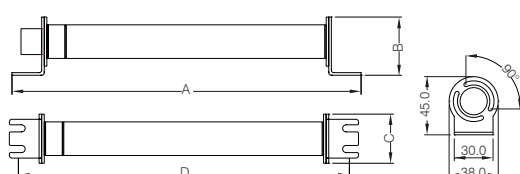
¹TECHNICAL NOTE: In order to guarantee reliable and safe operation of the LED modules, it is absolutely necessary to use a power adapter that is electronically stabilized. This is the only way to protect LED modules from overcharging, overheating and short-circuiting.

AmbitLED				Dimensions			
EDP-No.	Product-ID-No.	LED Power	Luminous flux	A	B	C	D
840665	AMB.224.CW.24VDC.O.WR45	1,5W	73lm	270 mm	45 mm	38 mm	256 mm
840666	AMB.238.CW.24VDC.O.WR45.KETTE.01	1,5W	73m	284 mm	45 mm	38 mm	270 mm
840667	AMB.534.CW.24VDC.O.WR45	4W	187lm	580 mm	45 mm	38 mm	566 mm
840668	AMB.548.CW.24VDC.O.WR45.KETTE.01	4W	187lm	594 mm	45 mm	38 mm	580 mm
840669	AMB.1034.CW.24VDC.O.WR45	8W	384lm	1080 mm	45 mm	38 mm	1066 mm
840670	AMB.1048.CW.24VDC.O.WR45.KETTE.01	8W	384lm	1094 mm	45 mm	38 mm	1080 mm

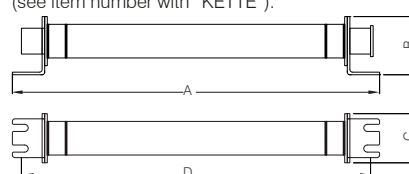
Accessories		
EDP-No.	Product-ID-No.	Description
101480	AMB.STECKERNETZGERÄT.1,5A.24VDC.2PKUPPLUNG.M	Plug-in power supply with mounted coupling
93518	AMB-KUPPLUNGSDOSE.01	Coupling socket 2-pin, type of protection IP67
93729	AMB.KUPPLUNG.5M.HALOGENF.M	Coupling socket premounted inclusive of 5 m connection cable (2x0.75 mm ²)
93732	AMB.KUPPLUNG.10M.HALOGENF.M	Coupling socket premounted inclusive of 10 m connection cable (2x0.75 mm ²)
93624*	AMB-KABELSTECKER.01	Cable plugs 2-pin, type of protection IP67
93733*	AMB.STECKER.5M.HALOGENF.M	Cable plugs premounted inclusive of 5 m connection cable (2x0.75 mm ²)
93734*	AMB.STECKER.10M.HALOGENF.M	Cable plugs premounted inclusive of 10 m connection cable (2x0.75 mm ²)
93735*	AMB.KUPPLUNG.STECKER.5M.HALOGENF.M	5 m extension premounted
93736*	AMB.KUPPLUNG.STECKER.10M.HALOGENF.M	10 m extension premounted
91441	1812.1NG.1,5A.24VDC.1M20.2M12.1BST	Solid rubber boxes BR 1812 with power supply for AmbitLED (22-32VDC) 1,5A
91442	1812.1NG.2,5A.24VDC.ZDU.1M20.4M12.3BST	Solid rubber boxes BR 1812 with power supply for AmbitLED (22-32VDC) 2,5A
127376	NETZGERÄT.85-264VAC.21,6-29VDC.1,5A.TS35	Power supply for distributor installation 30W
124745	NETZGERÄT.88-264VAC.21,6-29VDC.2,5A	Power supply for distributor installation 60W

* only for chain lights

Individual luminaire with variable mounting bracket



Light chain with variable mounting bracket (see item number with "KETTE").



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AmbitLED Power



Product features

- Compact LED light strip
- Housing made of extruded aluminium
- Anodized surface
- Fixing bracket in stainless steel, variable mounting bracket
- Type of protection: IP67
- Light source: LED strips
- LED strip in moisture- and dust-tight sealing compound (mat)
- Connector: 2-pol., robust metal M16 industrial connectors, IP67
- Conductor cross-section: max. 0.75 mm²/ clamping area: 4-8 mm
- Delivery for through wiring with protective cap
- Loop-connection for light chain (max. 7A)

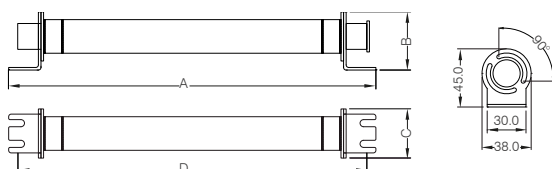
Technical data

Illuminant	LED-strips cool white approx. 6.500K
Operating Voltage	24VDC ¹ +/- 4%
LED Power	2,8W / 6,8W / 13,6W
Type of protection	IP67
Protection class	III
Service temperature range	-25°C to +50°C
Plug	2-pin connector with screw locking
Cable	2x0.75 mm ² , halogen free, UV- and weather resistant, cold resistant to -40°C

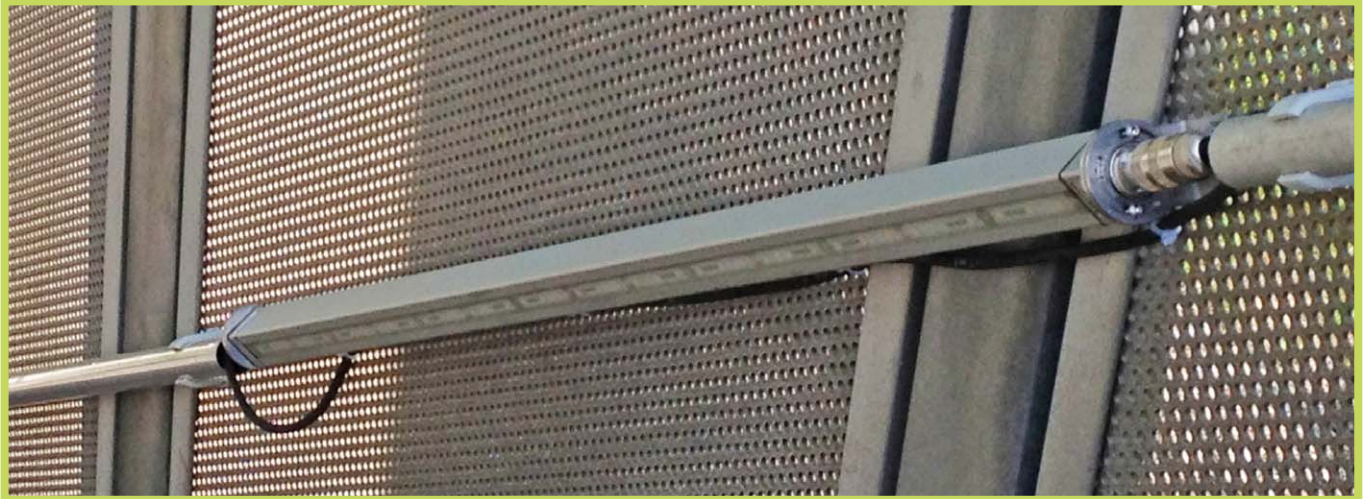
¹TECHNICAL NOTE: In order to guarantee reliable and safe operation of the LED modules, it is absolutely necessary to use a power adapter that is electronically stabilized. This is the only way to protect LED modules from overcharging, overheating and short-circuiting.

AmbitLED Power		Dimensions					
EDP-No.	Product-ID-No.	LED Power	Luminous flux	A	B	C	D
840676	AMB.POWER.238.CW.24VDC.O.WR45.KETTE.OE	2,6W	220lm	284 mm	45 mm	38 mm	270 mm
840671	AMB.POWER.548.CW.24VDC.O.WR45.KETTE.OE	6,8W	619lm	594 mm	45 mm	38 mm	580 mm
840672	AMB.POWER.1048.CW.24VDC.O.WR45.KETTE.OE	13,6W	1.248lm	1094 mm	45 mm	38 mm	1080 mm

Accessories		
EDP-No.	Product-ID-No.	Description
101480	AMB.STECKERNETZGERÄT.1,5A.24VDC.2PKUPPLUNG.M	Plug-in power supply with mounted coupling
93518	AMB-KUPPLUNGSDOSE.01	Coupling socket 2-pin, type of protection IP67
93729	AMB.KUPPLUNG.5M.HALOGENF.M	Coupling socket premounted inclusive of 5 m connection cable (2x0.75 mm ²)
93732	AMB.KUPPLUNG.10M.HALOGENF.M	Coupling socket premounted inclusive of 10 m connection cable (2x0.75 mm ²)
93624	AMB-KABELSTECKER.01	Cable plugs 2-pin, type of protection IP67
93733	AMB.STECKER.5M.HALOGENF.M	Cable plugs premounted inclusive of 5 m connection cable (2x0.75 mm ²)
93734	AMB.STECKER.10M.HALOGENF.M	Cable plugs premounted inclusive of 10 m connection cable (2x0.75 mm ²)
93735	AMB.KUPPLUNG.STECKER.5M.HALOGENF.M	5 m extension premounted
93736	AMB.KUPPLUNG.STECKER.10M.HALOGENF.M	10 m extension premounted
91441	1812.1NG.1,5A.24VDC.1M20.2M12.1BST	Solid rubber boxes BR 1812 with power supply for AmbitLED (22-32VDC) 1,5A
91442	1812.1NG.2,5A.24VDC.ZDU.1M20.4M12.3BST	Solid rubber boxes BR 1812 with power supply for AmbitLED (22-32VDC) 2,5A
127376	NETZGERÄT.85-264VAC.21,6-29VDC.1,5A.TS35	Power supply for distributor installation 30W
124745	NETZGERÄT.88-264VAC.21,6-29VDC.2,5A	Power supply for distributor installation 60W



System lights



AmbitLED Power - Handrail lighting level crossing



AmbitLED - Additional lighting on the fire engine



AmbitLED Power - Accent lighting in a plant bed

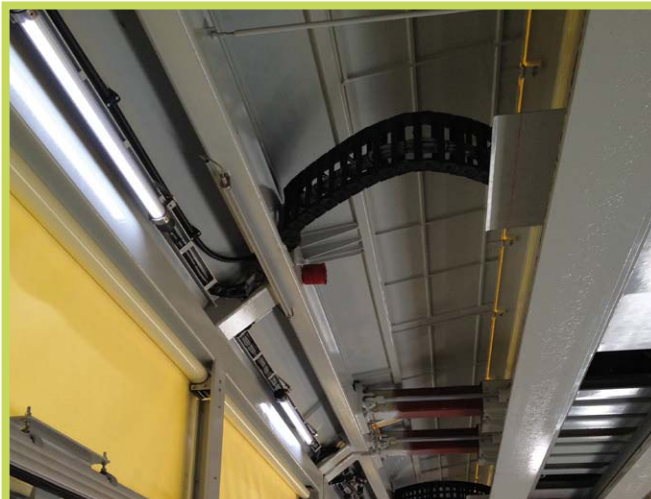


AmbitLED - Lighting the railway tunnel

System lights



AmbitLED - Tower car lighting



AmbitLED - Additional lighting on trains / vehicles




AmbitLED - Step lighting in the ice cave



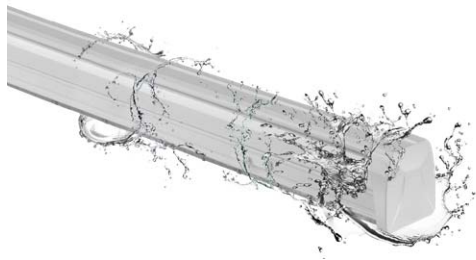
AmbitLED - Lighting on the work basket



A photograph of a warehouse interior showing a cable management system. The system consists of a metal rail mounted on the ceiling, with various colored cables (yellow, blue, grey) running along it. A silver LED light fixture is attached to the rail. The floor is made of grey interlocking pavers. In the background, there are several large industrial machines and a blue trash bin. The text "LED rail system" is overlaid on the right side of the image.

LED rail system

Industry Track LED General / Features



Modular rail System ITL - Industry Track LED

The new LED rail system from GIFAS ELECTRIC is characterized by its modular construction, simple mounting, enormous light output and a high degree of protection. Thanks to the many possible combinations, optimum illumination is ensured for every application. The cabling integrated in the carrier rail minimizes the installation effort and, in addition to a simple power supply for the LED modules, also allows integration into a DALI system or an emergency lighting system. Due to different emission characteristics and performance, we can ensure optimal lighting for your requirements.



Modulare construction

Through the use of individual components which are simply assembled or plugged together, the rail system can be installed quickly and extensions can be made cost-effectively and simply.



Mounting

To enable easy mounting of the carrier rail, they were designed to snap open. In order to enable flexible mounting, fixings for ceiling mounting, rope or chain suspension are available.



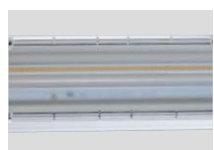
High protection class

The protection class of IP54 guarantees that even harsh environmental conditions, in industry and trade does not harm the lighting system. Even mounting outdoors is no problem.



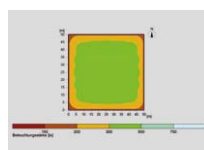
Efficiency

In order to ensure the highest possible light output and maximum energy usage, the ITL is equipped with the latest driver technology and only the latest generation LEDs are used.



Beam Angle

The use of extremely efficient optics and lenses maximizes the efficiency of the luminaire in order to achieve the highest possible system efficiency. Different beam angles ensure optimum illumination and high illumination quality.



Light distribution

In order to achieve optimal illumination, the ITL has various light distributions. From a hall lighting with high uniformity, even from low heights, to the application in high rack bearings, each task position can be solved.



Support rail

The carrier rail, equipped with quick connectors, enables quick and uncomplicated assembly. The integrated wiring supplies the luminaires with energy, integrates the LED modules into a DALI system and can optionally be equipped with additional wiring for an existing emergency lighting system.

Industry Track LED



Range of application

- Industry, trade
- Commerce exteriors
- Car parks and garages
- Storage areas
- Manufacturing
- Corridors & hallways

Technical data

LED Power	39W/ 63W / 77W
Operating Voltage	230VAC
Luminous flux	to 130lm/W
CRI-Index	Ra>80
Luminous angle	90°
Average LED lifetime at 20°C	>50.000h
LED impact strength	>1mio.
Light color	5.000K / cool white
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Dimmable	yes, DALI
Housing material	aluminium
Housing color	white
Type of protection / Protection class Leuchte	IP54 / I
Degree of protection against mechanical* damage	IK08
Weight module	approx. 3,7 kg
Dimensions L	1.416 mm
Wire size support rail	2,5 mm ²
Prefusing support rail	16A – 3 pole

Industry Track LED		
EDP-No.	Art.-Nr.	Description
Modul without dimming		
125533	ITL.LED.MODUL.IP54.WS.39W.5000K.90°	LED module for rail system 7 poles 39W 5.200lm, without DALI modul
125534	ITL.LED.MODUL.IP54.WS.63W.5000K.90°	LED module for rail system 7 poles 63W 8.450lm, without DALI modul
125535	ITL.LED.MODUL.IP54.WS.77W.5000K.90°	LED module for rail system 7 poles 77W 10.400lm, without DALI modul
Modul with DALI dimming		
125536	ITL.LED.MODUL.IP54.WS.39W.5000K.90°.M.DALI	LED module for rail system 7 poles 39W 5.200lm, with DALI modul
125537	ITL.LED.MODUL.IP54.WS.63W.5000K.90°.M.DALI	LED module for rail system 7 poles 63W 8.450lm, with DALI modul
125538	ITL.LED.MODUL.IP54.WS.77W.5000K.90°.M.DALI	LED module for rail system 7 poles 77W 10.400lm, with DALI modul
Support rail		
125539	ITL.TRÄGERSCHIENE.IP54.7PWS.ANFANG	Support rail Start 7 pole white
125540	ITL.TRÄGERSCHIENE.IP54.7PWS.MITTE	Support rail Middle 7 pole white
125541	ITL.TRÄGERSCHIENE.IP54.7PWS.ENDE	Support rail End 7 pole white
125550	ITL.TRÄGERSCHIENE.IP54.BLINDABDECKUNG	Blindcover for Support rail 7 pole white
Accessories		
125555	ITL.SEIL.3M	Cable 3 m for ceiling suspension
125557	ITL.KETTE.3M	Chain 3 m for ceiling suspension
125558	ITL.CLIPDECKENMONTAGE	Clip for ceiling mounting
125559	ITL.EINSPEISEKUPPLUNG.7POLIG	Feed coupling 7 pole

Rail system



Industry Track LED - Platform / bus stop lighting



Industry Track LED - Repairshop Light



Industry TrackLED - Warehouse lighting



Industry Track LED - Workshop lighting

Rail system



Industry Track LED - Workshop / workplace lighting



Industry Track LED - Workplace lighting



Industry Track LED - Platform / bus stop lighting

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