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TubeLine

The standard for linear lighting

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Meet TubeLine

The new standard:

- Dedicated interior linear lighting solution
- Wide range of lumen packages
- Wide range of optics
- Remote driver solution
- Flat glass cover for brush cleaning
- Plug-and-play connectivity (flying lead cable with plug)
- Through wiring option
- Fully compliant with tunnel controls
- Typical lifetime up to 100k hours (min L90)
- Standard warranty: 5 years



TubeLine: two sizes, 1 and 2 meter version

- TubeLine 2M (BGP360): 3,000/6,000/10,000/12,000/16,000/31,000 lm versions
- TubeLine 1M (BGP361): 1,500/3,000/6,000/7,800 lm versions

Meet TubeLine

Dedicated driver unit:

- Aluminum, compact, smooth and shallow housing
- Integrated mounting interface
- Several bracket options
- Multiple connectivity options (e.g. through wiring options)
- Inline mounting or remote
- Robust and corrosion resistant design



TubeLine local driver unit solution

Optimized for initial investment

Product highlights



**Highly efficient,
comfortable lighting**



**High level
of flexibility**



**Ease of
installation**



**Efficiency and
performance**



**Remote driver
solutions**





Wide range of optics

- Dedicated optic range (OptiPerfect) for interior lighting
- Highly standardised build
- Highly efficient lens optics
- Lumen packages vary from 3,000 lm to 31,000 lm
- Low glare linear luminaires to increase comfort and safety

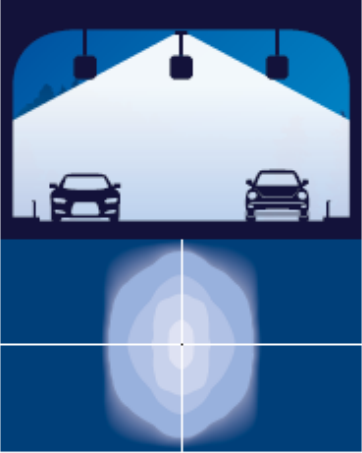
Light distributions

DTS distribution
Symmetrical standard



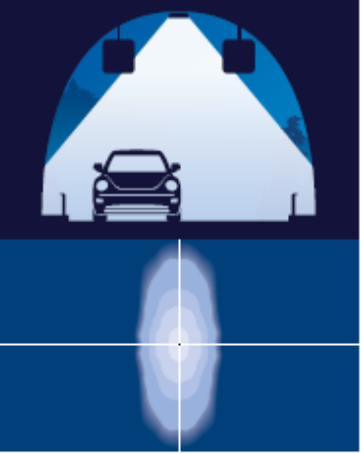
Typical 2-lane tunnel/central configuration

DTS-WB distribution
Symmetrical wide



Typical 3-lane tunnel/central configuration

DTS-NB distribution
Symmetrical narrow



Typical 2-lane narrow tunnel/cornice configuration

DTA distribution
Asymmetrical standard



Typical 2-lane tunnel/cornice configuration

DTA-WB distribution
Asymmetrical wide



Typical 3-lane tunnel/cornice configuration

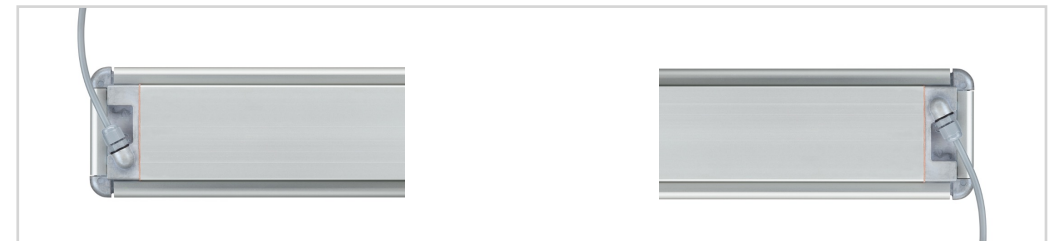
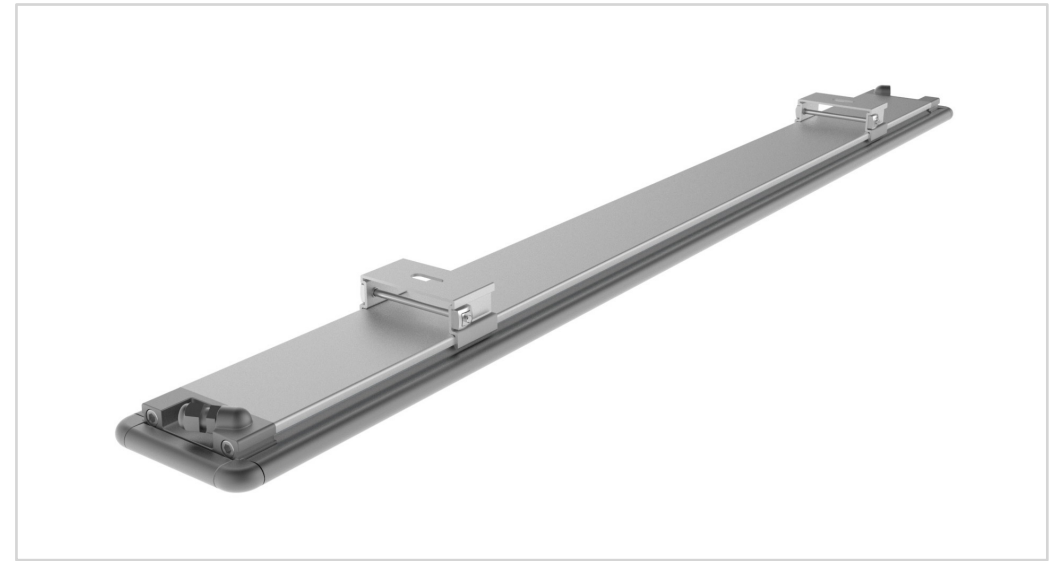
DTA-NB distribution
Asymmetrical narrow



Typical 2-lane narrow tunnel/cornice configuration

Flexibility and ease of installation

- Easy plug and play
- Single flying lead (one side)
- Double flying lead (for through wiring)
- Low weight, long length
- Quick mounting brackets



Efficiency and performance

- Superior cooling: large aluminum surface to dissipate heat
- High lumen/W at system level
- High energy savings compared to old conventional systems

Improved performance using controls

- Lighting controls translate the L20 (portal brightness) into a lighting stage for day and night
- They provide status and health information about the tunnel lighting installation



Control options

TunneLogic:

- Dedicated tunnel control and monitoring system designed specifically for LED technology
- Applications: Short underpasses, traffic road tunnels, long tunnels
- Components: Master control unit, local control units, photometer, data communications network, remote access unit



BaseLogic:

- Retrofit LED dedicated tunnel intelligent control and monitoring system
- Applications: Short underpasses, traffic road tunnels, long tunnels
- Components: Enterprise server software, photometer, tunnel control unit, data transmitter, monitoring module



Ideal for tunnel interior lighting

Continuous or dotted interior line lighting

- Symmetrical and asymmetrical lighting distributions
- Low glare; high efficiency
- Lumen packages for all interior lighting levels
- Lit during day and night

TubeLine can also be used for underpasses.



Signify Service tag

- A unique QR code-based LED luminaire asset identification system
- Providing detailed information on specification and spare parts, simply by scanning the code on the packaging or luminaire with the Signify Service tag app.
- The system simplifies the installation and maintenance of lighting infrastructure by utilizing cloud technology.
- Service tag also plays a key role in the circular design of our lighting solutions, as it extends their service life and reduces maintenance efforts, ensuring efficient servicing and avoiding waste.

Your benefits at a glance:



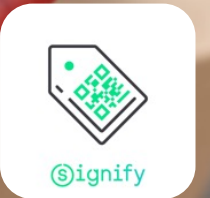
Easy installation
and commissioning



Simplified
maintenance



Asset
management



Learn more at [signify.com/global/service-tag](https://www.signify.com/global/service-tag)

Signify Service tag: Installation



#1. Download the app

Download the Service tag app from the App store or Play store on your mobile device (iOS or Android).



#2. Register the luminaire

Register the luminaire by simply scanning the QR code on the packaging or luminaire. The system automatically identifies the type of each luminaire.



#3. Create a group QR code

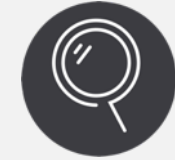
If you have multiple luminaires, it's possible to use the Service tag app to combine individual luminaires into a group. Each group will have its own unique group QR code.



#4. Luminaire information

Scan the QR code on your luminaire for easy access to the installation manual.

Maintenance



#1. Spare parts identification

Use the Service tag app to view a luminaire's spare parts, which contains all necessary information for quick ordering.



#2. Spare parts programming

Quickly program a spare driver using the Service tag app—without needing a faulty driver on hand. Scan the QR code of a luminaire with your device, put your mobile device on the spare driver, press “Program” and the spare driver receives the right settings for this specific luminaire.



Learn more at
signify.com/global/service-tag

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Product specifications

Specifications – TubeLine LED unit

Product Family Code (PFC)	BGP360: TubeLine LED unit 2M (2m length)
	BGP361: TubeLine LED unit 1M (1m length)
Range: LED lumens (± 7 %) Total system watt (± 11 %)	BGP360: 3,000 lm up to 31,000 lm (Max 220 W)
	BGP361: 1,500 lm up to 7,800 lm (Max 51 W)
Luminaire/system efficacy (LER)	Up to 161 lm/W (Please consult L-tune LPT for exact efficacy type)
CCT	4000 K (NW) or 5700 K (CW)
CRI	CRI > 70
Initial Tolerances on CCT	5 step MacAdam
System life/lumen maintenance (system = light modules & drivers)	> L90 = 100,000 hours (Please consult L-Tune LPT for exact efficacy per type)
Serviceability	LED units only serviceable/openable at factory location
Light distributions / optics	Tunnels lighting distribution: DTS; DTS-WB; DTS-NB; DTA; DTA-WB; DTA-NB
Operating temperature	-30 to +45°C
Electrical insulation class	Class I or Class II

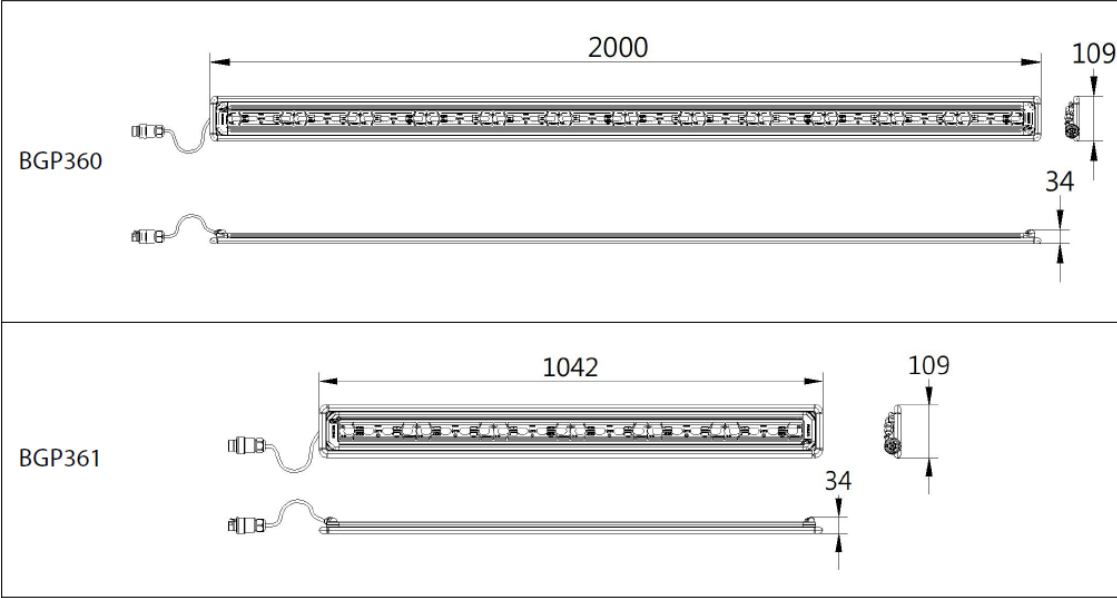
IK	IK09
Degree of protection	IP66
Luminaire dimensions (lxwxh)	BGP360: 1999 mm x 110 mm x 34 mm (including gland)
	BGP361: 1042 mm x 110 mm x 34 mm (including gland)
Luminaire weight	BGP360 < 10 kg and BG361 < 5 kg
Material / Finishing	Die-cast parts: aluminum (EN AC 44300) anodized (25um)
	Body of the LED unit: aluminum (AlMg Si 0.5) anodized (25um)
	Optics: lenses
	Cover: Tempered flat glass 5 mm
Power supply / Drivers	External: not integrated (EGP360/361 or EPG400)
	From one driver unit multiple LED units can be powered by connecting them in series (amount is depending on type of LED unit)
Luminaire installation	External connection by flying lead incl. plug
	Cable: LSOH
Options	Option for through wiring
	Delivered with different flying lead length
Mounting	Standard bracket (BA)
	Universal mounting clamps (4 pcs per LED unit)
	Dedicated ceiling mounting system (MB)
Certification / Listing	CE, ENEC
	1000 hrs neutral salt spray test corrosion resistance compliance
Packaging	Carton box or multipack

Specifications – TubeLine Driver unit

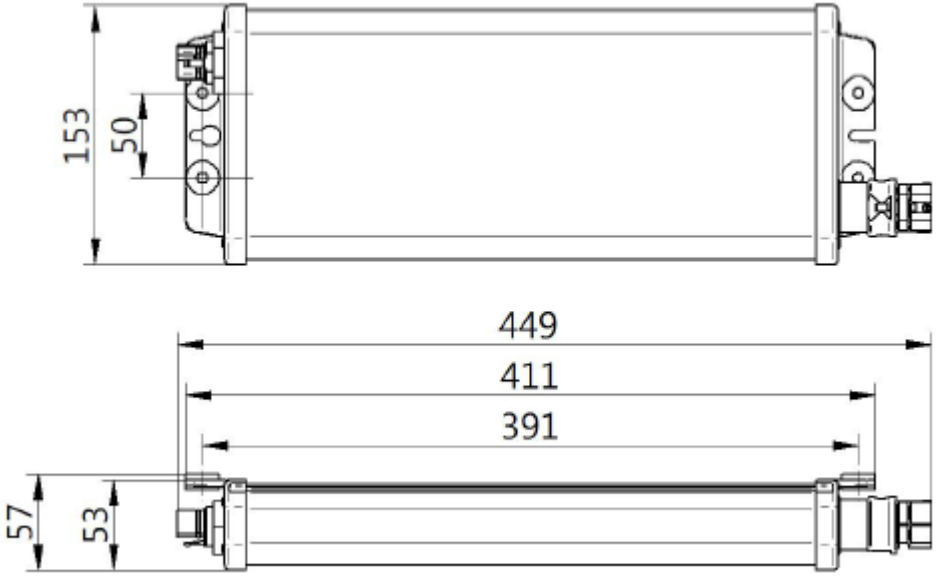
Product Family Code (PFC)	EGP360: TubeLine driver unit for BGP360 LED unit
	EGP361: TubeLine driver unit for BGP361 LED unit
Range: LED lumens ($\pm 7\%$) Total system watt ($\pm 11\%$)	EGP360: 3,000 lm up to 15,900 lm (Max 102 W)
	EGP361: 1,500 lm up to 7,800 lm (Max 51 W)
Luminaire/system efficacy (LER)	> 130 lm/W (Please consult L-tune LPT for exact efficacy type)
Driver life	100,000 hours (at failure rate of max. 10 %)
Serviceability	Openable by removing the endcap. Gear mounted on tray which can be pulled out.
Operating temperature	-30 to +45°C
Electrical insulation class	Class I or Class II
IK	IK08
Degree of protection	IP66
Dimensions (l x w x h)	EGP360/EGP361: 449 mm x 153 mm x 57 mm
Luminaire weight	EGP360/EGP361: 2 kg

Material / Finishing	Die-cast parts: aluminum (EN AC 44300) anodized (25um)
	Body of the LED unit: aluminum (AlMg Si 0.5) anodized (25um)
Control option	DALI, Lineswitch and Coded mains
	Compliant with tunnel control systems: TunneLogic and BaseLogic
Luminaire installation	External connection by flying lead incl. plug
Options	Option for through wiring (Mains and DALI)
Mounting	Standard mounting flange
	Dedicated ceiling mounting system (MB)
Certification / Listing	CE, ENEC
	1000 hrs neutral salt spray test corrosion resistance compliance
Packaging	Carton box or multipack

Dimensions



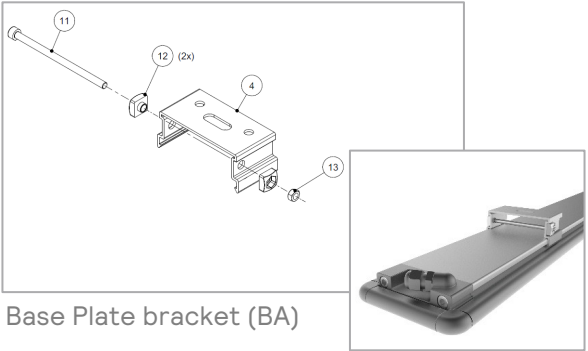
TubeLine LED unit



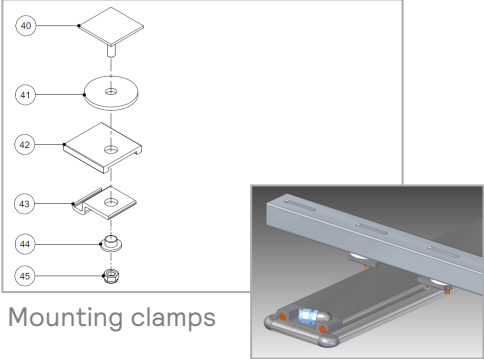
TubeLine driver unit

Mounting

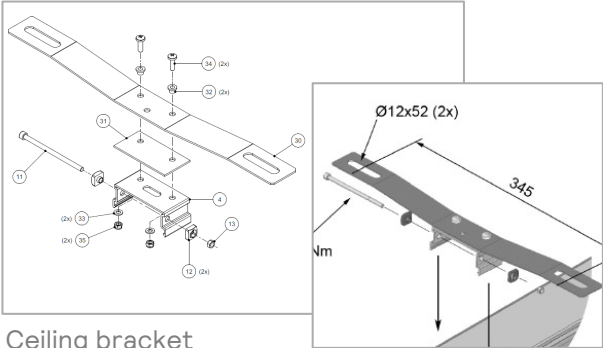
TubeLine LED unit



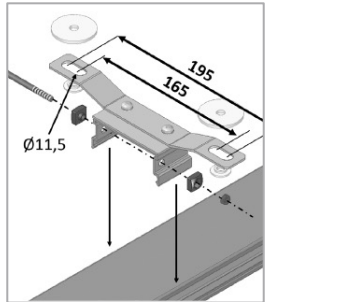
Base Plate bracket (BA)



Mounting clamps

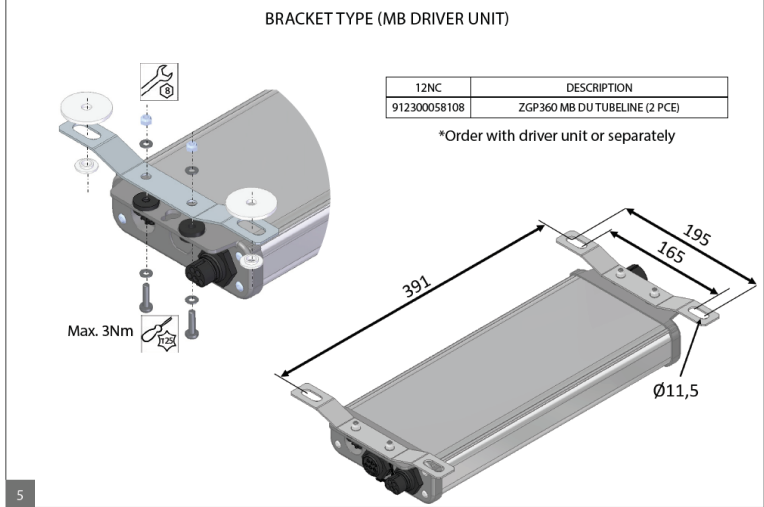


Ceiling bracket (MB-Long)



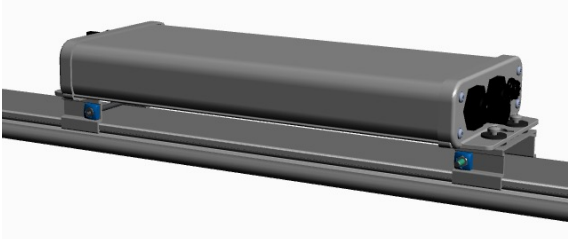
Ceiling bracket (MB-short)

TubeLine driver unit




Ceiling bracket (MB-short)

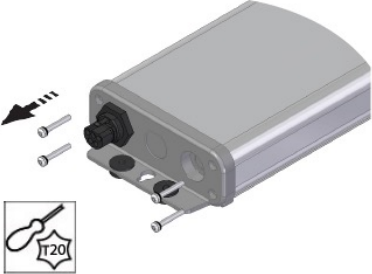
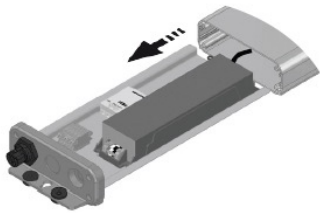

Optionally, the driver unit can be mounted on top of the TubeLine to create 1 assembly.



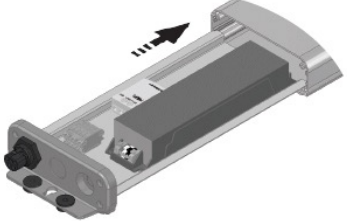
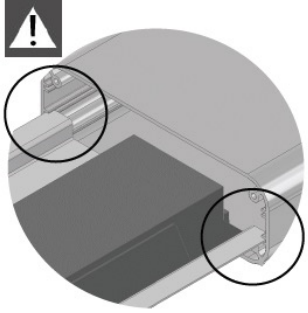
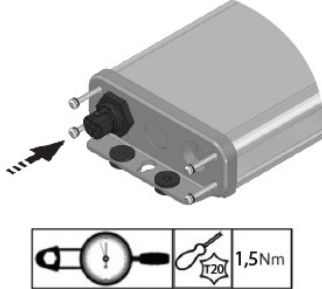
Mounting

TubeLine driver unit

 **SERVICIABILITY**

12NC	DESCRIPTION
912300024901	AGP360/361 GASKET (5 PCE)

You and Signify – a reliable partnership

Signify is the world leader in connected LED lighting systems, software and services. We proudly bring to market the best lighting brands in the world, including Signify, Philips and Interact.

We believe in close cooperation before, during, and after every project. Our local teams provide the support and information you need—with flexible, on-time delivery and reliable product availability.

To help you stay ahead, the [Signify Lighting Academy](#) offers a comprehensive range of educational resources to grow your expertise and earn certification.

Get more info on our products, services and tools:

[signify.com/installer](https://www.signify.com/installer)

[signify.com/specifier](https://www.signify.com/specifier)

Our global brands

 Signify

Signify represents our commitment to sustainable innovation. As our leading brand for connected lighting systems, luminaires and components for the specification project business, Signify solutions serve the segments where we collaborate most closely with our customers.

 Signify interact

Signify Interact is our IoT software platform for managing smart lighting systems and unlocking the value of the data they collect. Easy to install and configure, Interact supports a wide range of applications—from small offices to entire cities.

PHILIPS

Philips stands for quality and energy efficiency in lighting. It is our leading brand for innovative, off-the-shelf lighting products for professionals and consumers alike.

Get into pole position with high-performance, energy-efficient LED



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the meaning of light