



**TRILUX**  
SIMPLIFY YOUR LIGHT.

E-LINE LED



A long, narrow, white LED lighting fixture is shown from a low angle, suspended by a thin metal chain. The fixture has a series of small, square LED chips arranged in a grid along its length. At the right end, there is a white, rectangular component with two circular cutouts. The background is a dark, gradient grey.

## E-LINE LED

CONTINUOUS LINE  
EFFICIENCY ALL THE WAY

**A shining example for all who love efficiency.** Controllers really appreciate the E-Line LED lighting solution because of its high efficiency levels and rapid return on investment and installers are highly keen on its simple installation. The luminaire itself also flexibly adapts to a wide spectrum of applications in industry and retail spaces thanks to diverse optics, light colours and luminous flux levels of between 4,000 and 20,000 lumens.

In addition, E-Line LED scores highly with its simplified and environmentally friendly logistics: LED and optics are already integrated into the gear tray, meaning fewer components and reduced space requirements during storage and transport. Less packaging material also reduces waste.



Klaas Keur

Highly efficient, easy to install and a short payback period: with the TRILUX E-Line LED, TRILUX has developed an optimal lighting solution for industrial and retail applications. Klaas Keur, Product Manager at TRILUX, talks about use of the E-Line LED in these application sectors and explains the features of the luminaire.

**Mr Keur, as Product Manager in the industrial sector you have responsibility for continuous line luminaires for which the E-Line LED was also developed. Which application demands exist in the industrial sector and how are these fulfilled by the E-Line LED?**

**Klaas Keur:** "The special requirements for industrial lighting also include guaranteeing occupational safety and optimal production conditions for employees at all times and in all conditions. High ceilings for example are often found in industrial halls and it's here that E-Line LED is very flexible and completely reliable: various optics, light colours and a luminous flux of between 4,000 and 20,000 lumens enable flexible applications in warehouses and production halls and this in turn allows production areas to be illuminated according to needs, as well as narrow aisles between shelf racking for example. For operators of industrial buildings it's also important that lighting costs are kept to a minimum. The E-Line LED is especially cost-efficient here: purchase prices are low, while energy efficiency with a luminous efficiency of up to 148 lm/W\* is high. This reduces operating costs so that the pay-back period of the luminaire is very short. Also, E-Line is really good in terms of the low maintenance that is typical for LED lighting and this also keeps costs low."

**What makes this product an optimum lighting solution for both the industrial and shop/retail sectors?**

**Klaas Keur:** "Fundamentally, the E-Line LED features harmonious, low-contrast light and outstanding lighting quality within the complete range of industrial and retail applications. In sales spaces for example, the luminaires can be equipped with a special, double asymmetric distribution optic to display goods in exactly the right light. Spotlights can also be fitted into the trunking system for accent lighting purposes. The continuous line is also very easy to install, which saves both time and money with refurbishments: installers can install the system without tools, simply and quickly in existing E-Line T5 and T8 trunking. We can even provide customers with a solution for the X-Line predecessor model upon request. In upgrading situations when corresponding trunking already exist, savings are then also possible in terms of material use. And a further advantage: with E-Line LED, various components such as gear trays, LEDs and optics are already integrated into a finished, compact unit. The low spatial requirements simplifies storage and transport, reduces packaging material and also makes the complete solution more environmentally friendly. In addition to this, the use of LED technology also achieves significant energy savings compared to standard lamps."

**The special conditions for use in industry often place tough demands on the robustness and operating life of lighting installations – for example due to high dust and soiling levels. How does E-Line LED cope with that?**

**Klaas Keur:** “Fundamentally, the effort for maintenance is pretty low anyway with the use of LED. Even with extreme temperature differences between -15 °C and +50 °C that are often found in industrial halls, LEDs guarantee a service life of 50,000 operating hours. E-Line LED has been designed to keep maintenance effort extremely low, even with high levels of dirt and dust. We’ve achieved this with the flat, sealed surface of the optic and this makes the continuous line less sensitive to soiling and dust and makes it perform for longer. Even if the optic does get dirty, it can be easily cleaned. We also offer complete IP50/IP54 versions, to also be used in applications demanding high hygiene standards such as the food industry.”

**Which accessories are needed for E-Line LED?**

**Klaas Keur:** “The light sources and the optical system are already integrated into the gear tray, so that E-Line LED does not require any further accessories. This means the system can be simply and rapidly installed and it can also be stored and transported with low space requirements. Even with new installations, only trunking and corresponding mounting hardware is needed.”

**The topic of light management in the industrial sector has now become much more important. How does this effect energy savings?**

**Klaas Keur:** “In the industrial environment the theme of lighting is somewhat challenging because the requirements for different areas often vary greatly: in production areas for example, wide light distribution systems are needed, whereas in storage areas narrow distribution luminaires make it easier to work. Custom light management systems make lighting even more efficient and suitable for individual needs. Warehouses for example are often without windows and are characterised by a high level of “through-transport” and areas that are frequented to varying degrees. These are ideal conditions to drastically cut energy costs with presence detection. With the use of presence detection, only those areas are illuminated where work actually takes place, while light in the unused zones is consistently inactive. Production halls on the other hand are usually used from wall to wall and throughout the complete work time. These also usually have windows to allow a certain level of daylight. Here it makes sense to install daylight-dependent control to reduce energy costs. In such situations, special sensors register the ingress and the level of natural light and add only that component of light which is required to reach the desired lighting level again. It’s often sensible to combine both systems – meaning a light management system with presence detection and daylight-dependent control – to fully exploit existing cost saving potential, whether this concerns warehouses, production halls or office areas and for this reason we’ve developed specific light management gear trays for the complete range of applications.”

\*state at time of printing, please see online catalogues for current connected loads.

## E-LINE LED

A CONTINUOUS LINE  
FOR EVERY APPLICATION



The individual demands of various application sectors often present a challenge for lighting design. Until now, several different systems were needed for optimum lighting concepts. With E-Line LED, TRILUX now offers a continuous line system that, thanks to its diversity of versions, is flexible enough to fulfil the complete range of lighting tasks in the industrial and retail sectors. In addition, with upgrading projects an already existing E-Line T5/T8 trunking unit can be refurbished to high-efficiency LED technology in just 44 seconds. Installation is carried out very swiftly thanks to the intelligent catch system.

**A wide range of versions for flexible planning:** With various luminous flux packages and optics, E-Line LED masters any lighting task in the industrial or retail sector.

**Rapid pay-back:** E-Line LED offers ideal value for money: The high energy efficiency of 148 lm/W significantly cuts operating costs, meaning that investments are rapidly paid-back.

**Problem-free maintenance:** The smooth optic simplifies and accelerates any cleaning work and thus reduces maintenance costs while guaranteeing uniformly high quality of light.

**Breathtakingly simple:** Just 44 seconds is all it takes to install the E-Line LED unit without tools into existing TRILUX E-Line trunking rails (T5/T8).



**High planning flexibility.** Customers can specify various luminous flux packages of between 4,000 and 20,000 lumens.



**Low maintenance.** The IP54 E-Line LED has been designed to keep maintenance extremely low, even with high levels of soiling and dust. The gear tray is also suitable for food production applications (HACCP).



**High quality.** The luminaire emits harmonious, low-contrast light and features high lighting quality as well as a long service life.



## E-LINE LED

SAVING TIME AND MONEY



0

10

20

30

40



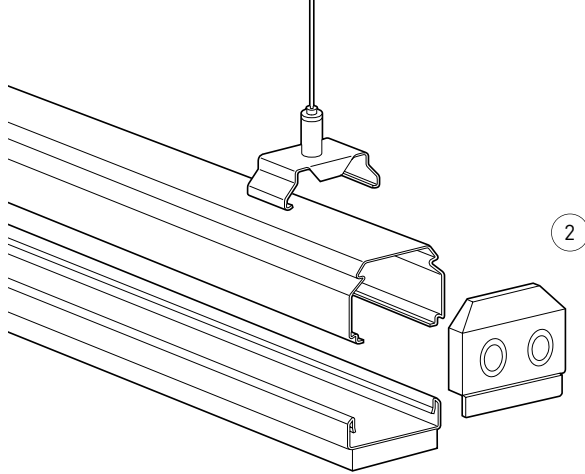
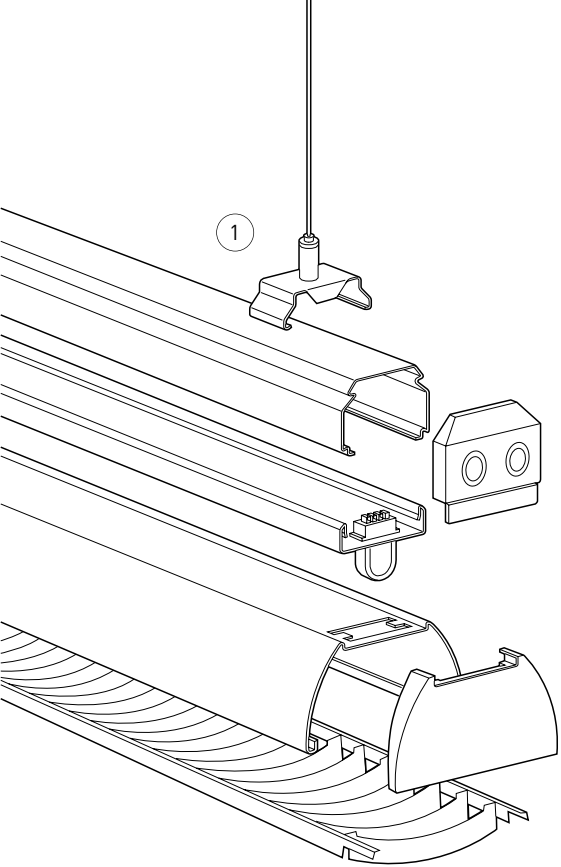
### Starting signal for more efficiency. Existing T8 E-Line lighting solution.

Ideal preconditions for refurbishments: The E-Line LED continuous line system can be quickly and efficiently integrated into existing T5 and T8 E-Line trunking.

### Removal made easy. Disassembly without tools.

Accessory components of the existing luminaire insert (reflectors, louvres, connectors etc.) are disassembled without tools. The trunking rail is now ready to accommodate the LED module.





1 **Standard E-Line continuous line.**  
**Assembly on site.**

A conventional E-Line continuous line consists of up to six various components (gear tray, reflector, reflector connector and reflector end caps, louvre and reflector inserts, in addition to the light source). The components are supplied separately and assembled on-site.

2 **E-Line LED.**  
**Few parts. A wealth of benefits.**

With E-Line LED, gear trays, reflectors and light sources are supplied in the form of a pre-assembled unit. Fewer components simplify and accelerate logistics, replacement and installation.

50

60 ... and done!



**Just one click.**  
**Integrating new optics.**

A new optic can be simply clicked into the existing trunking rail without tools and thanks to the intelligent spring catch construction. The module is firmly clicked in if the spring terminals protrude forward slightly on both sides.



**FOR  
X-LINE  
TRUNKING  
ON  
REQUEST.**

**New light in old trunking rails.**  
**The new E-Line LED continuous line.**

Done. High satisfaction with an attractive and high-efficiency lighting solution with custom light. Different each day and at least 50,000 operating hours long.

## THE E-LINE CONFIGURATOR

FINISHED CONTINUOUS LINES IN LESS THAN 90 SECONDS







## YOUR BENEFITS

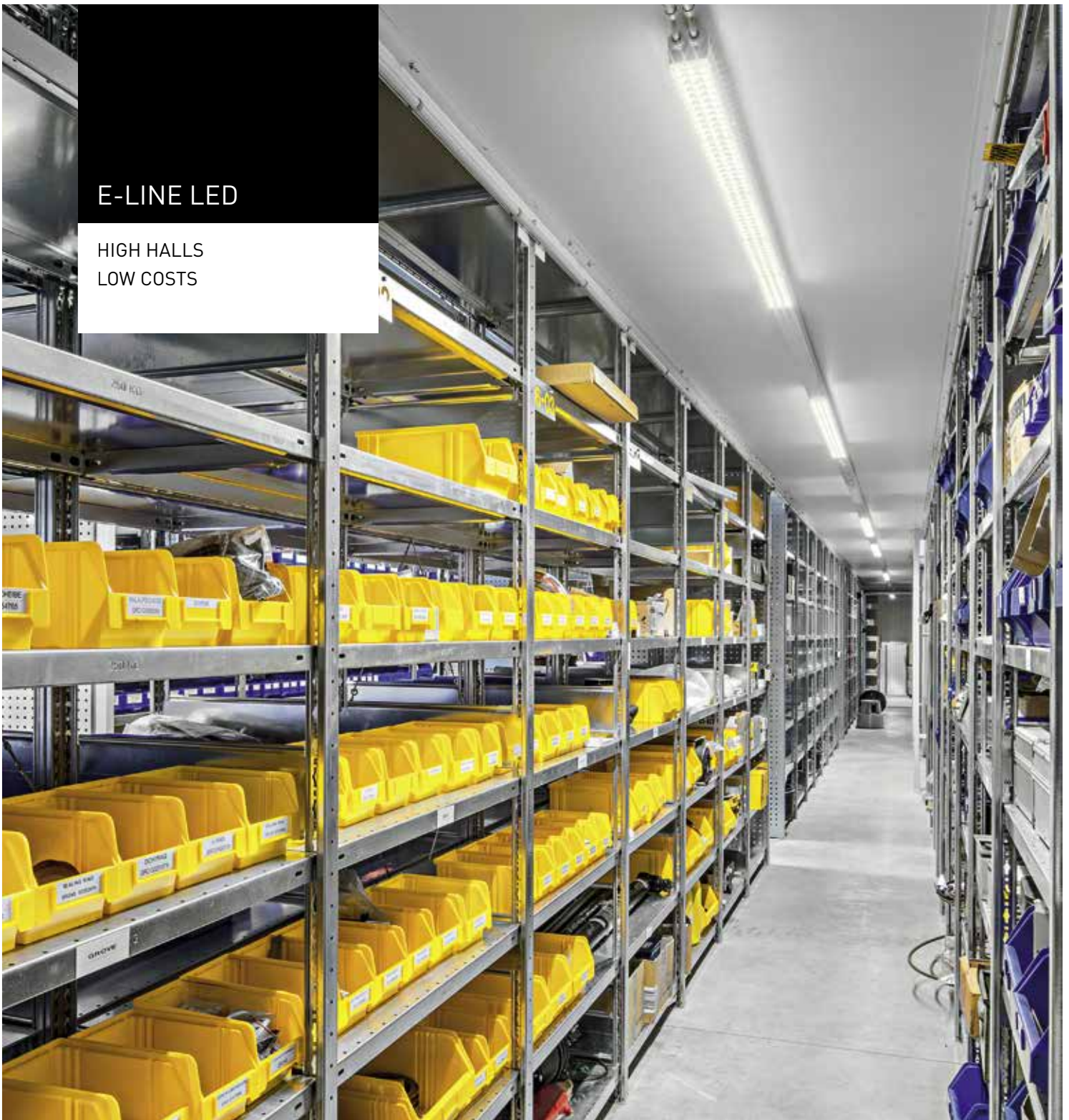
- ✓ **Individual planning** is made simple thanks to a variety of configuration options.
- ✓ **Intuitive handling** of the configurator makes planning continuous lines child's play.
- ✓ **Flexible configuration phases** enable modifications to basis data at all times and without losses.
- ✓ **Favourite modules and configurations** are simply created and saved.
- ✓ **Parts lists and installation aids** created and printed out at the press of a button.
- ✓ **Product downloads** compiled with one click for the complete continuous line.

Give it a try: [eline.trilux.com](http://eline.trilux.com)



## E-LINE LED

HIGH HALLS  
LOW COSTS



**Efficient LED light for warehouses.** Storage and logistics halls with high ceilings not only present challenges for the lighting solution but they also have an enormous potential for savings. Replacing a conventional lighting system with narrow angle luminaires, metal halide lamps and conventional ballasts for a system with narrow distribution and highly efficient E-Line LED continuous line luminaires reduces energy costs for lighting by 59 %. If the installation is also combined with a light management system, for example featuring presence detection, then costs are even cut by 71 %.

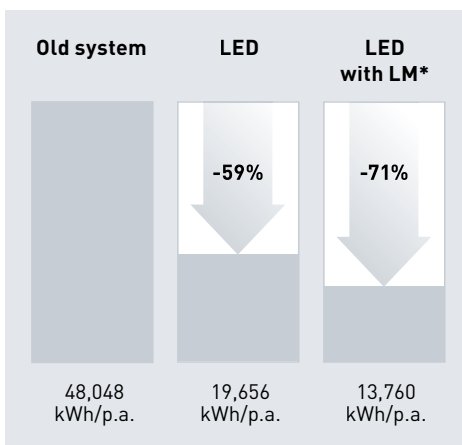
# EXAMPLE: WAREHOUSE (NEW INSTALLATION)



## Ordering example

Quantity	TOC	Reference	Description
77	59 213 00	07650/III/35-7LV-2,5	E-Line T5N trunking, 3-length, 7 x 2.5 mm <sup>2</sup>
14	59 209 00	07650/II/35-7LV/2,5	E-Line T5N trunking, 2-length, 7 x 2.5 mm <sup>2</sup>
91	62 409 51	7650 T LED 6500-840 ETDD	E-Line LED gear tray, narrow distribution, 6,500 lm, 4,000 K, DALI dimmable, white
14	21 947 00	07690 E-R	End caps for trunking, white
154	61 889 00	E 03 SKX	Height-adjustable chain suspension

Production hall	Old system	New system A	New system B incl. light management (LM)
<b>Luminaire</b>	Narrow angle luminaire 1 x HIT 400 W CCG	E-Line LED 6500-840 narrow distribution	E-Line LED 6500-840 narrow distribution
<b>Power consumption per luminaire</b>	429 W	54 W	54 W
<b>Number of luminaires in building</b>	24 pieces	91 pieces luminaire-blank-blank-luminaire	91 pieces luminaire-blank-blank-luminaire
<b>Total power consumption</b>	12,012 W	4,914 W	4,914 W
<b>Kilowatt hours p.a.</b>	48,048 kWh/p.a.	19,656 kWh/p.a.	13,760 kWh/p.a.
<b>Energy saving potential</b>		59 %	71 %
<b>Energy cost savings p.a.</b>		€ 7,382/p.a.	€ 8,915/p.a.
<b>CO<sub>2</sub> savings p.a.</b>		17.04 tonnes/p.a.	20.57 tonnes/p.a.



**How much could you save?** Calculate the cost saving potential for your lighting solution by using our Efficiency Calculator on the Internet at [www.trilux.com/efficiency-calculator](http://www.trilux.com/efficiency-calculator).

\* light management



## E-LINE LED

FLEXIBLE AND EFFICIENT



**Efficient light for shop and retail areas.** In the shop and retail sector, E-Line LED sets accents and displays goods in their best light thanks to various optics and spotlights. High energy efficiency means it also achieves enormous cost savings. For example, a wide distribution E-Line LED continuous line can cut energy overheads by more than 50 % compared to conventional lighting systems. Such savings can even be increased further with a light management system.

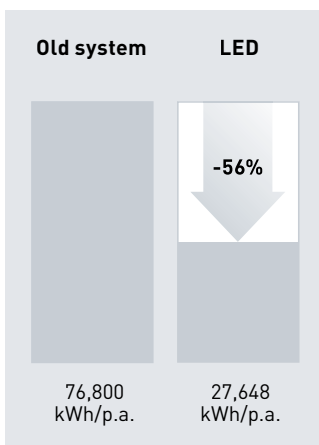
# EXAMPLE: SHOP AND RETAIL



## Ordering example

Quantity	TOC	Reference	Description
103	59 213 00	07650/III/35-7LV-2,5	E-Line T5N trunking, 3-length, 7 x 2.5 mm <sup>2</sup>
54	59 209 00	07650/II/35-7LV/2,5	E-Line T5N trunking, 2-length, 7 x 2.5 mm <sup>2</sup>
417	62 098 40	7650 B LED 4000-840 ET	E-Line LED gear tray, wide distribution, 4,000 lm, 4,000 K, switchable, white
64	21 947 00	07690 E-R	End cap for trunking, white
195	22 296 00	A 01 DSX	Decorative wire suspension

Beverage store	Old system	New system
<b>Luminaire</b>	E-Line continuous line T8 – 1 x 58 CCG with white reflector	E-Line LED 4000-840 narrow-wide distribution
<b>Power consumption per luminaire</b>	66 W	29 W
<b>Number of luminaires in building</b>	417 pieces luminaire-luminaire	417 pieces luminaire-luminaire
<b>Total power consumption</b>	27,522 W	12,093 W
<b>Kilowatt hours p.a.</b>	110,061 kWh/p.a.	48,360 kWh/p.a.
<b>Energy saving potential</b>		56 %
<b>Energy cost savings p.a.</b>		€ 18,484/p.a.
<b>CO<sub>2</sub> savings p.a.</b>		37 tonnes/p.a.

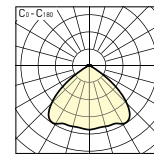


**How much could you save?** Calculate the cost saving potential for your lighting solution by using our Efficiency Calculator on the Internet at [www.trilux.com/efficiency-calculator](http://www.trilux.com/efficiency-calculator).

## Gear tray 7650 B, wide distribution



7650 B LED 4000-840...  
7650 M-B LED 4000-840...



7650 B LED 5500-840...	
Safety class	I
Protection rating	IP20
IK code/impact resistance	0.2 J
Glow wire resistance	650 °C
LOR	1.00
DIN 5040	A40



### Application

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops.

### Mounting method

For E-Line T5N or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Fixing to trunking with tool-free stainless steel snap fasteners. The design of the 4 snap fasteners enables visual control of secure clipping in of the gear tray into the trunking.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 B...** With symmetric wide light distribution.

### LED system

LED system consists of 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Service life 50,000 hours, LED degradation L80, LED mortality B10.

**...4000...** Ambient temperature (ta) 50 °C.

**...5500...** Ambient temperature (ta) 45 °C.

**...6500...** Ambient temperature (ta) 40 °C.

**...8000...** Ambient temperature (ta) 35 °C.

**...8...** Colour rendering index Ra > 80.

**...30...** Light colour warm white (ww), colour temperature 3,000 K.

**...40...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel, dimensions (L x W) 1,475 mm x 63 mm, maximum width 75 mm via catches.

**7650...** White.

**7650 M...** Silver-grey.

### Electrical design

**...ET...** With electronic transformer, switchable.

**...ETDD...** With electronic transformer, digitally dimmable (DALI).

### Supplementary equipment

**...EB3** In emergency light version with individual battery system, nominal operation time 3 hours. Luminaire luminous flux 330 lm in emergency light operating mode.

**...UR** With switching relay for central safety- or emergency power supply systems. With active central emergency supply, 100 % of nominal luminaire luminous flux is generated with ET switching type. With ETDD switching, luminaire luminous flux in emergency power mode is 15 % of the luminaire luminous flux.

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Wide distribution gear tray</b>							
White							
7650 B LED 4000-840...	62 098...	...40	...51	LED 4,300 lm	29 W	1475 x 63 x 63	1.9
7650 B LED 4000-830...	62 097...	...40	...51	LED 4,100 lm	29 W	1475 x 63 x 63	1.9
7650 B LED 5500-840...	62 100...	...40	...51	LED 5,700 lm	39 W	1475 x 63 x 63	1.9
7650 B LED 5500-830...	62 099...	...40	...51	LED 5,400 lm	39 W	1475 x 63 x 63	1.9
7650 B LED 6500-840...	62 393...	...40	...51	LED 6,600 lm	48 W	1475 x 63 x 63	1.9
7650 B LED 6500-830...	62 392...	...40	...51	LED 6,300 lm	48 W	1475 x 63 x 63	1.9
7650 B LED 8000-840...	63 686...	...40	...51	LED 8,300 lm	63 W	1475 x 63 x 63	1.9
7650 B LED 8000-830...	63 684...	...40	...51	LED 7,900 lm	63 W	1475 x 63 x 63	1.9
Silver-grey							
7650 M-B LED 4000-840...	62 102...	...40	...51	LED 4,300 lm	29 W	1475 x 63 x 63	1.9
7650 M-B LED 4000-830...	62 101...	...40	...51	LED 4,100 lm	29 W	1475 x 63 x 63	1.9
7650 M-B LED 5500-840...	62 104...	...40	...51	LED 5,700 lm	39 W	1475 x 63 x 63	1.9
7650 M-B LED 5500-830...	62 103...	...40	...51	LED 5,400 lm	39 W	1475 x 63 x 63	1.9
7650 M-B LED 6500-840...	62 397...	...40	...51	LED 6,600 lm	48 W	1475 x 63 x 63	1.9
7650 M-B LED 6500-830...	62 396...	...40	...51	LED 6,300 lm	48 W	1475 x 63 x 63	1.9
7650 M-B LED 8000-840...	63 694...	...40	...51	LED 8,300 lm	63 W	1475 x 63 x 63	1.9
7650 M-B LED 8000-830...	63 692...	...40	...51	LED 7,900 lm	63 W	1475 x 63 x 63	1.9
<b>Wide distribution gear tray with individual battery supply for maintained operation*</b>							
White							
7650 B LED 4000-840...EB3	62 106...	...40	...51	LED 4,300 lm	33 W	1475 x 63 x 63	2.7
7650 B LED 4000-830...EB3	62 105...	...40	...51	LED 4,100 lm	33 W	1475 x 63 x 63	2.7
7650 B LED 5500-840...EB3	62 108...	...40	...51	LED 5,700 lm	44 W	1475 x 63 x 63	2.7
7650 B LED 5500-830...EB3	62 107...	...40	...51	LED 5,400 lm	44 W	1475 x 63 x 63	2.7
7650 B LED 6500-840...EB3	62 417...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 63	2.7
7650 B LED 6500-830...EB3	62 416...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 63	2.7
Silver-grey							
7650 M-B LED 4000-840...EB3	62 110...	...40	...51	LED 4,300 lm	33 W	1475 x 63 x 63	2.7
7650 M-B LED 4000-830...EB3	62 109...	...40	...51	LED 4,100 lm	33 W	1475 x 63 x 63	2.7
7650 M-B LED 5500-840...EB3	62 112...	...40	...51	LED 5,700 lm	44 W	1475 x 63 x 63	2.7
7650 M-B LED 5500-830...EB3	62 111...	...40	...51	LED 5,400 lm	44 W	1475 x 63 x 63	2.7
7650 M-B LED 6500-840...EB3	62 421...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 63	2.7
7650 M-B LED 6500-830...EB3	62 420...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 63	2.7
<b>Wide distribution gear tray with switching relay for maintained operation*</b>							
White							
7650 B LED 4000-840...UR	62 114...	...40	...51	LED 4,300 lm	29 W	1475 x 63 x 63	2.0
7650 B LED 4000-830...UR	62 113...	...40	...51	LED 4,100 lm	29 W	1475 x 63 x 63	2.0
7650 B LED 5500-840...UR	62 116...	...40	...51	LED 5,700 lm	39 W	1475 x 63 x 63	2.0
7650 B LED 5500-830...UR	62 115...	...40	...51	LED 5,400 lm	39 W	1475 x 63 x 63	2.0
7650 B LED 6500-840...UR	62 441...	...40	...51	LED 6,600 lm	48 W	1475 x 63 x 63	2.0
7650 B LED 6500-830...UR	62 440...	...40	...51	LED 6,300 lm	48 W	1475 x 63 x 63	2.0
Silver-grey							
7650 M-B LED 4000-840...UR	62 118...	...40	...51	LED 4,300 lm	29 W	1475 x 63 x 63	2.0
7650 M-B LED 4000-830...UR	62 117...	...40	...51	LED 4,100 lm	29 W	1475 x 63 x 63	2.0
7650 M-B LED 5500-840...UR	62 120...	...40	...51	LED 5,700 lm	39 W	1475 x 63 x 63	2.0
7650 M-B LED 5500-830...UR	62 119...	...40	...51	LED 5,400 lm	39 W	1475 x 63 x 63	2.0
7650 M-B LED 6500-840...UR	62 445...	...40	...51	LED 6,600 lm	48 W	1475 x 63 x 63	2.0
7650 M-B LED 6500-830...UR	62 444...	...40	...51	LED 6,300 lm	48 W	1475 x 63 x 63	2.0

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

\*With the combination DALI + emergency light (EB and UR), special trunking (7LV + 5LV) must be requested from TRILUX.

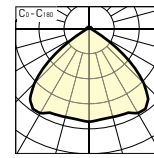
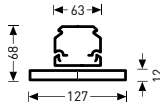
The emergency light gear trays are not compatible with our Flex370 trunking.



## Gear tray 7650 B, wide distribution, 13,000 lm



7650 B LED 13000...



### 7650 B LED 13000-840...

Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.00
DIN 5040	A40



### Applications

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops.

### Mounting method

For E-Line T5N/LED or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Mounting to trunking via rotary catches.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 B...** With symmetric wide light distribution.

### LED system

LED system consists of 2 rows each with 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Luminaire luminous flux 13,000 lm, connected load 108 watts, luminous efficiency of luminaire up to 122 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B10 ambient temperature (ta) 35 °C, service life 50,000 operating hours.

**...830...** Light colour warm white (ww), colour temperature 3,000 K.

**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel. Dimensions (L x W) 1,475 mm x 127 mm, luminaire height 68 mm. Dimensions correspond to gear tray use in combination with a trunking unit.

**...01...** Colour white.

**...03...** Colour silver-grey.

### Electrical design

**...ET...** With electronic transformer, switchable.

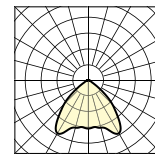
**...ETDD...** With electronic transformer, digitally dimmable (DALI).



Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Wide distribution gear tray</b>							
White							
<b>7650 B LED 13000-840...</b>	63 270...	...40	...51	LED 12,800 lm	108 W	1475 x 127 x 68	4.4
<b>7650 B LED 13000-830...</b>	63 272...	...40	...51	LED 12,300 lm	108 W	1475 x 127 x 68	4.4
Silver-grey							
<b>7650 M-B LED 13000-840...</b>	63 271...	...40	...51	LED 12,800 lm	108 W	1475 x 127 x 68	4.4
<b>7650 M-B LED 13000-830...</b>	63 273...	...40	...51	LED 12,300 lm	108 W	1475 x 127 x 68	4.4

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.  
White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

## Gear tray 7650 TB, narrow-wide distribution



<b>7650 TB LED 5500-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A40



### Applications

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops.

### Mounting method

For E-Line T5N or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Fixing to trunking with tool-free stainless steel snap fasteners. The design of the 4 snap fasteners enables visual control of secure clipping in of the gear tray into the trunking.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

...**TB**... With symmetric narrow-wide light distribution.

### LED system

LED system consists of 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Service life 50,000 hours, LED degradation L80, LED mortality B10.

...**4000**... Ambient temperature (ta) 45 °C.

...**5500**... Ambient temperature (ta) 40 °C.

...**6500**... Ambient temperature (ta) 35 °C.

...**8000**... Ambient temperature (ta) 25 °C.

...**-8**... Colour rendering index Ra > 80.

...**30**... Light colour warm white (ww), colour temperature 3,000 K.

...**40**... Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel, dimensions (L x W) 1,475 mm x 63 mm, maximum width 75 mm via catches.

**7650**... White.

**7650 M**... Silver-grey.

### Electrical design

...**ET**... With electronic transformer, switchable.

...**ETDD**... With electronic transformer, digitally dimmable (DALI).

### Supplementary equipment

...**EB3** In emergency light version with individual battery system, nominal operation time 3 hours. Luminaire luminous flux 330 lm in emergency light operating mode.

...**UR** With switching relay for central safety- or emergency power supply systems. With active central emergency supply, 100 % of nominal luminaire luminous flux is generated with ET switching type. With ETDD switching, luminaire luminous flux in emergency power mode is 15 % of the luminaire luminous flux.

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Narrow wide distribution gear tray</b>							
White							
7650 TB LED 4000-840...	62 411...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	1.9
7650 TB LED 4000-830...	62 410...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	1.9
7650 TB LED 5500-840...	62 413...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	1.9
7650 TB LED 5500-830...	62 412...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	1.9
7650 TB LED 6500-840...	62 415...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	1.9
7650 TB LED 6500-830...	62 414...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	1.9
7650 TB LED 8000-840...	63 714...	...40	...51	LED 8,300 lm	68 W	1475 x 63 x 63	1.9
7650 TB LED 8000-830...	63 712...	...40	...51	LED 8,000 lm	68 W	1475 x 63 x 63	1.9
Silver-grey							
7650 M-TB LED 4000-840...	62 403...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	1.9
7650 M-TB LED 4000-830...	62 402...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	1.9
7650 M-TB LED 5500-840...	62 405...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	1.9
7650 M-TB LED 5500-830...	62 404...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	1.9
7650 M-TB LED 6500-840...	62 407...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	1.9
7650 M-TB LED 6500-830...	62 406...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	1.9
7650 M-TB LED 8000-840...	63 706...	...40	...51	LED 8,300 lm	68 W	1475 x 63 x 63	1.9
7650 M-TB LED 8000-830...	63 704...	...40	...51	LED 8,000 lm	68 W	1475 x 63 x 63	1.9
<b>Narrow wide distribution gear tray with individual battery supply for maintained operation*</b>							
White							
7650 TB LED 4000-840...EB3	62 435...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 63	2.7
7650 TB LED 4000-830...EB3	62 434...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 63	2.7
7650 TB LED 5500-840...EB3	62 437...	...40	...51	LED 5,500 lm	48 W	1475 x 63 x 63	2.7
7650 TB LED 5500-830...EB3	62 436...	...40	...51	LED 5,200 lm	48 W	1475 x 63 x 63	2.7
7650 TB LED 6500-840...EB3	62 439...	...40	...51	LED 6,500 lm	60 W	1475 x 63 x 63	2.7
7650 TB LED 6500-830...EB3	62 438...	...40	...51	LED 6,200 lm	60 W	1475 x 63 x 63	2.7
Silver-grey							
7650 M-TB LED 4000-840...EB3	62 427...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 63	2.7
7650 M-TB LED 4000-830...EB3	62 426...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 63	2.7
7650 M-TB LED 5500-840...EB3	62 429...	...40	...51	LED 5,500 lm	48 W	1475 x 63 x 63	2.7
7650 M-TB LED 5500-830...EB3	62 428...	...40	...51	LED 5,200 lm	48 W	1475 x 63 x 63	2.7
7650 M-TB LED 6500-840...EB3	62 431...	...40	...51	LED 6,500 lm	60 W	1475 x 63 x 63	2.7
7650 M-TB LED 6500-830...EB3	62 430...	...40	...51	LED 6,200 lm	60 W	1475 x 63 x 63	2.7
<b>Narrow wide distribution gear tray with switching relay for maintained operation*</b>							
White							
7650 TB LED 4000-840...UR	62 459...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	2.0
7650 TB LED 4000-830...UR	62 458...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	2.0
7650 TB LED 5500-840...UR	62 461...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	2.0
7650 TB LED 5500-830...UR	62 460...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	2.0
7650 TB LED 6500-840...UR	62 463...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	2.0
7650 TB LED 6500-830...UR	62 462...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	2.0
Silver-grey							
7650 M-TB LED 4000-840...UR	62 451...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	2.0
7650 M-TB LED 4000-830...UR	62 450...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	2.0
7650 M-TB LED 5500-840...UR	62 453...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	2.0
7650 M-TB LED 5500-830...UR	62 452...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	2.0
7650 M-TB LED 6500-840...UR	62 455...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	2.0
7650 M-TB LED 6500-830...UR	62 454...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	2.0

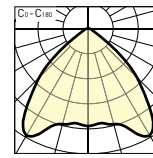
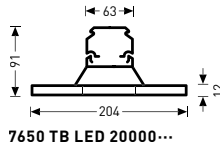
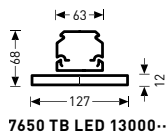
A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

\*With the combination DALI + emergency light (EB and UR), special trunking (7LV + 5LV) must be requested from TRILUX.

The emergency light gear trays are not compatible with our Flex370 trunking.

## Gear tray 7650 TB, narrow-wide distribution, 13,000 lm and 20,000 lm



<b>7650 TB LED 13000-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A40



### Applications

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops.

### Mounting method

For E-Line T5N/LED or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Mounting to trunking via rotary catches.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 TB...** With symmetric narrow-wide light distribution.

### LED system

LED system consists of 2 rows each with 5 LED segments (13,000 lm) or 3 rows each with 5 LED segments (20,000 lm).

Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Luminaire luminous flux 13,000 lm, connected load 108 watts or luminaire luminous flux 20,000 lm, connected load 162 watts, luminous efficiency of luminaire up to 122 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B10 ambient temperature (ta) 35 °C, service life 50,000 operating hours.

**...830...** Light colour warm white (ww), colour temperature 3,000 K.

**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel. Dimensions (L x W) 1,475 mm x 127 mm, luminaire height 68 mm (with 13,000 lm), 1,475 mm x 204 mm, luminaire height 91 mm (with 20,000 lm).

Dimensions correspond to gear tray use in combination with a trunking unit.

**...01...** Colour white.

**...03...** Colour silver-grey.

### Electrical design

**...ET...** With electronic transformer, switchable.

**...ETDD...** With electronic transformer, digitally dimmable (DALI).

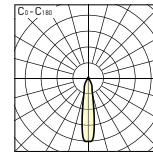
Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Narrow wide distribution gear tray</b>							
White							
<b>7650 TB LED 13000-840...</b>	63 274...	...40	...51	LED 13,000 lm	108 W	1475 x 127 x 68	4.4
<b>7650 TB LED 13000-830...</b>	63 276...	...40	...51	LED 12,400 lm	108 W	1475 x 127 x 68	4.4
<b>7650 TB LED 20000-840...</b>	63 286...	...40	...51	LED 19,500 lm	162 W	1475 x 204 x 91	6.8
<b>7650 TB LED 20000-830...</b>	63 288...	...40	...51	LED 18,600 lm	162 W	1475 x 204 x 91	6.8
Silver-grey							
<b>7650 M-TB LED 13000-840...</b>	63 275...	...40	...51	LED 13,000 lm	108 W	1475 x 127 x 68	4.4
<b>7650 M-TB LED 13000-830...</b>	63 277...	...40	...51	LED 12,400 lm	108 W	1475 x 127 x 68	4.4
<b>7650 M-TB LED 20000-840...</b>	63 287...	...40	...51	LED 19,500 lm	162 W	1475 x 204 x 91	6.8
<b>7650 M-TB LED 20000-830...</b>	63 289...	...40	...51	LED 18,600 lm	162 W	1475 x 204 x 91	6.8

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.



## Gear tray 7650 T, narrow distribution



<b>7650 T LED 5500-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A80



### Applications

Production areas, halls, storage rooms, trade fair and exhibition halls, sales areas, workshops. The LED gear tray as narrow distribution version (T) is especially suitable for the illumination of aisles in sales and storage areas and for general use in high halls.

### Mounting method

For E-Line T5N or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Fixing to trunking with tool-free stainless steel snap fasteners. The design of the 4 snap fasteners enables visual control of secure clipping in of the gear tray into the trunking.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 T**... With symmetric narrow light distribution.

### LED system

LED system consists of 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Service life 50,000 hours, LED degradation L80, LED mortality B10.

...**4000**... Ambient temperature (ta) 45 °C.

...**5500**... Ambient temperature (ta) 40 °C.

...**6500**... Ambient temperature (ta) 35 °C.

...**8000**... Ambient temperature (ta) 25 °C.

...**8**... Colour rendering index Ra > 80

...**30**... Light colour warm white (ww), colour temperature 3,000 K.

...**40**... Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel, dimensions (L x W) 1,475 mm x 66 mm, 75 mm, maximum width via catches.

**7650**... White.

**7650 M**... Silver-grey.

### Electrical design

...**ET**... With electronic transformer, switchable.

...**ETDD**... With electronic transformer, digitally dimmable (DALI).

### Supplementary equipment

...**EB3** In emergency light version with individual battery system, nominal operation time 3 hours. Luminaire luminous flux 330 lm in emergency light operating mode.

...**UR** With switching relay for central safety- or emergency power supply systems. With active central emergency supply, 100 % of nominal luminaire luminous flux is generated with ET switching type. With ETDD switching, luminaire luminous flux in emergency power mode is 15 % of the luminaire luminous flux.

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Narrow distribution gear tray</b>							
White							
7650 T LED 4000-840...	62 074...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 66	1.9
7650 T LED 4000-830...	62 073...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 66	1.9
7650 T LED 5500-840...	62 076...	...40	...51	LED 5,600 lm	43 W	1475 x 63 x 66	1.9
7650 T LED 5500-830...	62 075...	...40	...51	LED 5,300 lm	43 W	1475 x 63 x 66	1.9
7650 T LED 6500-840...	62 409...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 66	1.9
7650 T LED 6500-830...	62 408...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 66	1.9
7650 T LED 8000-840...	63 710...	...40	...51	LED 8,400 lm	68 W	1475 x 63 x 63	1.9
7650 T LED 8000-830...	63 708...	...40	...51	LED 8,100 lm	68 W	1475 x 63 x 63	1.9
Silver-grey							
7650 M-T LED 4000-840...	62 078...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 66	1.9
7650 M-T LED 4000-830...	62 077...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 66	1.9
7650 M-T LED 5500-840...	62 080...	...40	...51	LED 5,600 lm	43 W	1475 x 63 x 66	1.9
7650 M-T LED 5500-830...	62 079...	...40	...51	LED 5,300 lm	43 W	1475 x 63 x 66	1.9
7650 M-T LED 6500-840...	62 401...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 66	1.9
7650 M-T LED 6500-830...	62 400...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 66	1.9
7650 M-T LED 8000-840...	63 702...	...40	...51	LED 8,400 lm	68 W	1475 x 63 x 63	1.9
7650 M-T LED 8000-830...	63 700...	...40	...51	LED 8,100 lm	68 W	1475 x 63 x 63	1.9
<b>Narrow distribution gear tray with individual battery supply for maintained operation*</b>							
White							
7650 T LED 4000-840...EB3	62 082...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 66	2.7
7650 T LED 4000-830...EB3	62 081...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 66	2.7
7650 T LED 5500-840...EB3	62 084...	...40	...51	LED 5,600 lm	48 W	1475 x 63 x 66	2.7
7650 T LED 5500-830...EB3	62 083...	...40	...51	LED 5,300 lm	48 W	1475 x 63 x 66	2.7
7650 T LED 6500-840...EB3	62 433...	...40	...51	LED 6,600 lm	60 W	1475 x 63 x 66	2.7
7650 T LED 6500-830...EB3	62 432...	...40	...51	LED 6,300 lm	60 W	1475 x 63 x 66	2.7
Silver-grey							
7650 M-T LED 4000-840...EB3	62 086...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 66	2.7
7650 M-T LED 4000-830...EB3	62 085...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 66	2.7
7650 M-T LED 5500-840...EB3	62 088...	...40	...51	LED 5,600 lm	48 W	1475 x 63 x 66	2.7
7650 M-T LED 5500-830...EB3	62 087...	...40	...51	LED 5,300 lm	48 W	1475 x 63 x 66	2.7
7650 M-T LED 6500-840...EB3	62 425...	...40	...51	LED 6,600 lm	60 W	1475 x 63 x 66	2.7
7650 M-T LED 6500-830...EB3	62 424...	...40	...51	LED 6,300 lm	60 W	1475 x 63 x 66	2.7
<b>Narrow distribution gear tray with switching relay for maintained operation*</b>							
White							
7650 M-T LED 4000-840...UR	62 090...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 66	2.0
7650 M-T LED 4000-830...UR	62 089...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 66	2.0
7650 M-T LED 5500-840...UR	62 092...	...40	...51	LED 5,600 lm	43 W	1475 x 63 x 66	2.0
7650 M-T LED 5500-830...UR	62 091...	...40	...51	LED 5,300 lm	43 W	1475 x 63 x 66	2.0
7650 M-T LED 6500-840...UR	62 457...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 66	2.0
7650 M-T LED 6500-830...UR	62 456...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 66	2.0
Silver-grey							
7650 M-T LED 4000-840...UR	62 094...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 66	2.0
7650 M-T LED 4000-830...UR	62 093...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 66	2.0
7650 M-T LED 5500-840...UR	62 096...	...40	...51	LED 5,600 lm	43 W	1475 x 63 x 66	2.0
7650 M-T LED 5500-830...UR	62 095...	...40	...51	LED 5,300 lm	43 W	1475 x 63 x 66	2.0
7650 M-T LED 6500-840...UR	62 449...	...40	...51	LED 6,600 lm	54 W	1475 x 63 x 66	2.0
7650 M-T LED 6500-830...UR	62 448...	...40	...51	LED 6,300 lm	54 W	1475 x 63 x 66	2.0

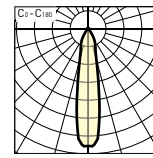
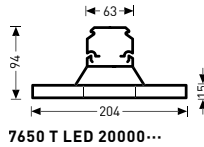
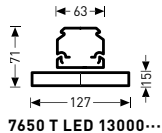
A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

\*With the combination DALI + emergency light (EB and UR), special trunking (7LV + 5LV) must be requested from TRILUX.

The emergency light gear trays are not compatible with our Flex370 trunking.

## Gear tray 7650 T, narrow distribution, 13,000 and 20,000 lm



7650 T LED 13000-840...

Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A80



### Applications

Production areas, halls, storage rooms, trade fair and exhibition halls, sales areas, workshops. The LED gear tray as narrow distribution version (T) is especially suitable for the illumination of aisles in sales and storage areas and for general use in high halls.

### Mounting method

For E-Line T5N/LED or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Mounting to trunking via rotary catches.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 T...** With symmetric narrow light distribution.

### LED system

LED system consists of 2 rows each with 5 LED segments (13,000 lm) or 3 rows each with 5 LED segments (20,000 lm). Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Luminaire luminous flux 13,000 lm, connected load 108 watts or luminaire luminous flux 20,000 lm, connected load 162 watts, luminous efficiency of luminaire up to 122 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B10 ambient temperature (ta) 35 °C, service life 50,000 operating hours.  
**...830...** Light colour warm white (ww), colour temperature 3,000 K.  
**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel. Dimensions (L x W) 1,475 mm x 127 mm, luminaire height 71 mm (with 13,000 lm), 1,475 mm x 204 mm, luminaire height 94 mm (with 20,000 lm). Dimensions correspond to gear tray use in combination with a trunking unit.  
**...01...** Colour white.  
**...03...** Colour silver-grey.

### Electrical design

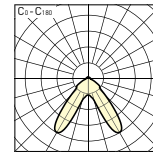
**...ET...** With electronic transformer, switchable.  
**...ETDD...** With electronic transformer, digitally dimmable (DALI).

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Narrow distribution gear tray</b>							
White							
<b>7650 T LED 13000-840...</b>	63 266...	...40	...51	LED 13,200 lm	108 W	1475 x 127 x 71	4.4
<b>7650 T LED 13000-830...</b>	63 268...	...40	...51	LED 12,600 lm	108 W	1475 x 127 x 71	4.4
<b>7650 T LED 20000-840...</b>	63 282...	...40	...51	LED 19,800 lm	162 W	1475 x 204 x 94	6.8
<b>7650 T LED 20000-830...</b>	63 284...	...40	...51	LED 18,900 lm	162 W	1475 x 204 x 94	6.8
Silver-grey							
<b>7650 M-T LED 13000-840...</b>	63 267...	...40	...51	LED 13,200 lm	108 W	1475 x 127 x 71	4.4
<b>7650 M-T LED 13000-830...</b>	63 269...	...40	...51	LED 12,600 lm	108 W	1475 x 127 x 71	4.4
<b>7650 M-T LED 20000-840...</b>	63 283...	...40	...51	LED 19,800 lm	162 W	1475 x 204 x 94	6.8
<b>7650 M-T LED 20000-830...</b>	63 285...	...40	...51	LED 18,900 lm	162 W	1475 x 204 x 94	6.8

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

## Gear tray 7650 DA, double asymmetric distribution



<b>7650 DA LED 5500-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A80



7650 DA LED 4000-840...  
7650 M-DA LED 4000-840...

### Applications

Production areas, halls, storage rooms, trade fair and exhibition halls, sales areas, workshops. The LED gear tray as double asymmetric light distribution version is especially suitable for the illumination of goods shelves in sales and storage areas.

### Mounting method

For E-Line T5N or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Fixing to trunking with tool-free stainless steel snap fasteners. The design of the 4 snap fasteners enables visual control of secure clipping in of the gear tray into the trunking.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 DA...** With double asymmetric light distribution.

### LED-System

LED system consists of 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Service life 50,000 hours, LED degradation L80, LED mortality B10.  
**...4000...** Ambient temperature (ta) 45 °C.  
**...5500...** Ambient temperature (ta) 40 °C.  
**...6500...** Ambient temperature (ta) 35 °C.  
**...8000...** Ambient temperature (ta) 25 °C.  
**...-8...** Colour rendering index Ra > 80.  
**...30...** Light colour warm white (ww), colour temperature 3,000 K..  
**...40...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel, dimensions (L x W) 1,475 mm x 63 mm, 75 mm, maximum width via catches.

**7650...** White.

**7650 M...** Silver-grey.

### Electrical design

**...ET...** With electronic transformer, switchable.  
**...ETDD...** With electronic transformer, digitally dimmable (DALI).

### Supplementary equipment

**...EB3** In emergency light version with individual battery system, nominal operation time 3 hours. Luminaire luminous flux 330 lm in emergency light operating mode.  
**...UR** With switching relay for central safety- or emergency power supply systems. With active central emergency supply, 100 % of nominal luminaire luminous flux is generated with ET switching type. With ETDD switching, luminaire luminous flux in emergency power mode is 15 % of the luminaire luminous flux.

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Gear tray, double asymmetric distribution</b>							
White							
7650 DA LED 4000-840...	62 122...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	1.9
7650 DA LED 4000-830...	62 121...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	1.9
7650 DA LED 5500-840...	62 124...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	1.9
7650 DA LED 5500-830...	62 123...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	1.9
7650 DA LED 6500-840...	62 395...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	1.9
7650 DA LED 6500-830...	62 394...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	1.9
7650 DA LED 8000-840...	63 690...	...40	...51	LED 8,300 lm	68 W	1475 x 63 x 63	1.9
7650 DA LED 8000-830...	63 688...	...40	...51	LED 8,000 lm	68 W	1475 x 63 x 63	1.9
Silver-grey							
7650 M-DA LED 4000-840...	62 126...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	1.9
7650 M-DA LED 4000-830...	62 125...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	1.9
7650 M-DA LED 5500-840...	62 128...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	1.9
7650 M-DA LED 5500-830...	62 127...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	1.9
7650 M-DA LED 6500-840...	62 399...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	1.9
7650 M-DA LED 6500-830...	62 398...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	1.9
7650 M-DA LED 8000-840...	63 698...	...40	...51	LED 8,300 lm	68 W	1475 x 63 x 63	1.9
7650 M-DA LED 8000-830...	63 696...	...40	...51	LED 8,000 lm	68 W	1475 x 63 x 63	1.9
<b>Double asymmetric distribution gear tray with individual battery supply for maintained operation*</b>							
White							
7650 DA LED 4000-840...EB3	62 130...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 63	2.7
7650 DA LED 4000-830...EB3	62 129...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 63	2.7
7650 DA LED 5500-840...EB3	62 132...	...40	...51	LED 5,500 lm	48 W	1475 x 63 x 63	2.7
7650 DA LED 5500-830...EB3	62 131...	...40	...51	LED 5,200 lm	48 W	1475 x 63 x 63	2.7
7650 DA LED 6500-840...EB3	62 419...	...40	...51	LED 6,500 lm	60 W	1475 x 63 x 63	2.7
7650 DA LED 6500-830...EB3	62 418...	...40	...51	LED 6,200 lm	60 W	1475 x 63 x 63	2.7
Silver-grey							
7650 M-DA LED 4000-840...EB3	62 134...	...40	...51	LED 4,300 lm	36 W	1475 x 63 x 63	2.7
7650 M-DA LED 4000-830...EB3	62 133...	...40	...51	LED 4,100 lm	36 W	1475 x 63 x 63	2.7
7650 M-DA LED 5500-840...EB3	62 136...	...40	...51	LED 5,500 lm	48 W	1475 x 63 x 63	2.7
7650 M-DA LED 5500-830...EB3	62 135...	...40	...51	LED 5,200 lm	48 W	1475 x 63 x 63	2.7
7650 M-DA LED 6500-840...EB3	62 423...	...40	...51	LED 6,500 lm	60 W	1475 x 63 x 63	2.7
7650 M-DA LED 6500-830...EB3	62 422...	...40	...51	LED 6,200 lm	60 W	1475 x 63 x 63	2.7
<b>Double asymmetric distribution gear tray with switching relay for maintained operation*</b>							
White							
7650 DA LED 4000-840...UR	62 138...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	2.0
7650 DA LED 4000-830...UR	62 137...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	2.0
7650 DA LED 5500-840...UR	62 140...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	2.0
7650 DA LED 5500-830...UR	62 139...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	2.0
7650 DA LED 6500-840...UR	62 443...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	2.0
7650 DA LED 6500-830...UR	62 442...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	2.0
Silver-grey							
7650 M-DA LED 4000-840...UR	62 142...	...40	...51	LED 4,300 lm	32 W	1475 x 63 x 63	2.0
7650 M-DA LED 4000-830...UR	62 141...	...40	...51	LED 4,100 lm	32 W	1475 x 63 x 63	2.0
7650 M-DA LED 5500-840...UR	62 144...	...40	...51	LED 5,500 lm	43 W	1475 x 63 x 63	2.0
7650 M-DA LED 5500-830...UR	62 143...	...40	...51	LED 5,200 lm	43 W	1475 x 63 x 63	2.0
7650 M-DA LED 6500-840...UR	62 447...	...40	...51	LED 6,500 lm	54 W	1475 x 63 x 63	2.0
7650 M-DA LED 6500-830...UR	62 446...	...40	...51	LED 6,200 lm	54 W	1475 x 63 x 63	2.0

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

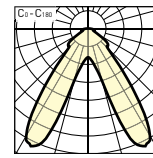
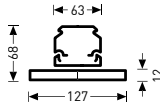
White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

\*With the combination DALI + emergency light (EB and UR), special trunking (7LV + 5LV) must be requested from TRILUX.

The emergency light gear trays are not compatible with our Flex370 trunking.



## Gear tray 7650 DA, double asymmetric distribution, 13,000 lm



<b>7650 DA LED 13000-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A80



### Applications

Production areas, halls, storage rooms, trade fair and exhibition halls, sales areas, workshops. The LED gear tray as double asymmetric light distribution version is especially suitable for the illumination of goods shelves in sales and storage areas.

### Mounting method

For E-Line T5N/LED or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Mounting to trunking via rotary catches.

### Optical systems

Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 DA...** With double asymmetric light distribution.

### LED system

LED system consists of 2 rows each with 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Luminaire luminous flux 13,000 lm, connected load 108 watts, luminous efficiency of luminaire up to 122 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B10 ambient temperature (ta) 35 °C, service life 50,000 operating hours.

**...830...** Light colour warm white (ww), colour temperature 3,000 K.

**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel. Dimensions (L x W) 1,475 mm x 127 mm, luminaire height 68 mm. Dimensions correspond to gear tray use in combination with a trunking unit.

**...01...** Colour white.

**...03...** Colour silver-grey.

### Electrical design

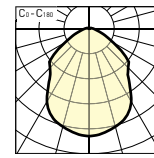
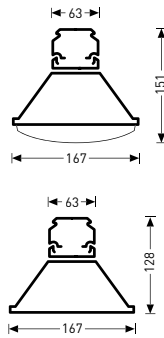
**...ET...** With electronic transformer, switchable.

**...ETDD...** With electronic transformer, digitally dimmable (DALI).

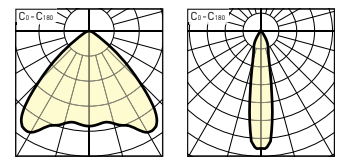
Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Gear tray, double asymmetric distribution</b>							
White							
<b>7650 DA LED 13000-840...</b>	63 278...	...40	...51	LED 13,000 lm	108 W	1475 x 127 x 68	4.4
<b>7650 DA LED 13000-830...</b>	63 280...	...40	...51	LED 12,400 lm	108 W	1475 x 127 x 68	4.4
Silver-grey							
<b>7650 M-DA LED 13000-840...</b>	63 279...	...40	...51	LED 13,000 lm	108 W	1475 x 127 x 68	4.4
<b>7650 M-DA LED 13000-830...</b>	63 281...	...40	...51	LED 12,400 lm	108 W	1475 x 127 x 68	4.4

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.  
 White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

## Gear tray 7650 in IP54 with prismatic diffuser or lens optic



<b>7650 P LED 7500...IP54</b>	
Safety class	I
Protection rating	IP50
Protection rating in lamp compartment	IP54
IK code/impact resistance	IK06/1 J
Glow wire resistance	650 °C
LOR	1.00
DIN 5040	A40



<b>7650...LED 7500...IP54</b>	
Safety class	I
Protection rating	IP50
Protection rating in lamp compartment	IP54
IK code/impact resistance	IK07/2 J
Glow wire resistance	650 °C
LOR	1.00
DIN 5040	A80



### Applications

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops. IP54 protection rating for lamp compartment. IP50 protection rating for trunking.

### Mounting methods

For E-Line T5N/LED or T8 universal trunking, T5 applications ...35... (1,475 mm), T8 applications ...58... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Mounting to trunking via rotary catches. Versions with lens optic are IFS 6, BRC 6 and HACCP certified.

### Optical system

#### Prismatic diffuser

Trapezoid reflector of steel, coated white on outside, factory-fitted. With PMMA diffuser featuring photometrically designed prisms for directing light primarily onto the working plane. Diffuser with convex form. With symmetric wide light distribution. Suitable for applications requiring high glare reduction.

#### Lens optic

The PMMA lens optic forms a fixed unit with one LED segment each. With symmetric narrow light distribution. Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface simplifies cleaning the luminaire.

**7650 T...** With symmetric narrow light distribution.

**7650 TB...** With symmetric narrow-wide light distribution.

### LED system

#### Prismatic diffuser

Luminaire luminous flux 7,500 lm, connected load 87 watts, luminous efficiency of luminaire 89 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B50 ambient temperature (ta) 25 °C, service life 50,000 operating hours.

**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

#### Lens optic

LED system consists of 2 rows each with 3 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each with 11 LEDs. Luminaire luminous flux 7,500 lm, connected load 64 watts, luminous efficiency of luminaire 120 lm/W. Light colour neutral white (nw), colour temperature 4,000 K, colour rendering index Ra > 80, specific parameters for specifying LED service life: L80/B10 ambient temperature (ta) 40 °C, service life 50,000 operating hours.

**...840...** Light colour neutral white (nw), colour temperature 4,000 K.

#### Luminaire body

Gear tray of sheet steel, colour white. Dimensions (L x W) 1,475 mm x 167 mm, luminaire height with prismatic diffuser 151 mm, with lens optic 128 mm. Dimensions correspond to gear tray use in combination with a trunking unit.

#### Electrical design

**...ET...** With electronic transformer, switchable.

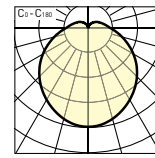
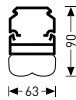
**...ETDD...** With electronic transformer, digitally dimmable (DALI).

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>E-Line LED gear tray 7650 P, symmetric wide distribution with IP54 prismatic diffuser</b>							
White							
<b>7650 P LED 7500-840...IP54</b>	63 292...	...40	...51	LED 7,700 lm	87 W	1475 x 167 x 151	6.5
<b>E-Line LED gear tray 7650 TB, narrow wide distribution, IP54</b>							
White							
<b>7650 TB LED 7500-840...IP54</b>	63 291...	...40	...51	LED 7,600 lm	64 W	1475 x 167 x 128	5.7
<b>E-Line LED gear tray 7650 T, narrow distribution, IP54</b>							
White							
<b>7650 T LED 7500-840...IP54</b>	63 290...	...40	...51	LED 7,700 lm	64 W	1475 x 167 x 128	5.7

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

## Gear tray 7650 OT



<b>7650 OT LED 4000-840...</b>	
Safety class	I
Protection rating	IP20
IK code/impact resistance	IK02/0.2 J
Glow wire resistance	650 °C
LOR	1.0
DIN 5040	A40



### Applications

Factories, halls, warehouses, trade fair and exhibition spaces, production locations, sales areas, workshops.

### Mounting methods

For TRILUX E-Line T5N/LED or T8 universal trunking, T5 applications ...35-... (1,475 mm), T8 applications ...58-... (1,530 mm) with L55 blanking cover. Blanking cover available as accessory, to be ordered separately, for length compensation with T8 upgrade applications. Fixing to trunking with tool-free stainless steel snap fasteners. The design of the 4 snap fasteners enables visual control of secure clipping in of the gear tray into the trunking.

### Optical system

Optical system consists of a translucent PMMA cover with high transmission factor. With mainly direct light distribution. With slight indirect component for decorative surface illumination (13 %).

**7650 OT...** With translucent PMMA cover.

### LED system

Specific parameters for defining LED service life: L80/B10, ambient temperature (ta) 35 °C, service life 50,000 operating hours.

**...4000...** Ambient temperature (ta) 35 °C.

**...5500...** Ambient temperature (ta) 35 °C.

**...-8...** Colour rendering index Ra > 80.

**...-30...** Light colour warm white (ww),

colour temperature 3,000 K.

**...-40...** Light colour neutral white,

colour temperature 4,000 K.

### Luminaire body

Gear tray of sheet steel, dimensions [L x W] 1,475 mm x 66 mm, maximum width 75 mm via catches.

**7650...** White.

**7650 M...** Silver-grey.

### Electrical design

**...ET...** With electronic transformer, switchable.

**...ETDD...** With electronic transformer, digitally dimmable (DALI).

### Supplementary equipment

**...EB3** In emergency light version with individual battery system, nominal operation time 3 hours. Luminaire luminous flux 700 lm in emergency light operating mode.

**...UR** With switching relay for central safety- or emergency power supply systems. With active central emergency supply, 100 % of nominal luminaire luminous flux is generated.

Reference	TOC	...ET	...ETDD	Lamps/luminaire luminous flux	Connected load	Dimensions L x W x H mm	≈kg
<b>Gear tray OT</b>							
White							
7650 OT LED 4000-840...	63 959...	...40	...51	LED 4,200 lm	32 W	1475 x 63 x 90	2.1
7650 OT LED 4000-830...	63 960...	...40	...51	LED 4,000 lm	32 W	1475 x 63 x 90	2.1
7650 OT LED 5500-840...	63 971...	...40	...51	LED 5,900 lm	50 W	1475 x 63 x 90	2.1
7650 OT LED 5500-830...	63 972...	...40	...51	LED 5,600 lm	50 W	1475 x 63 x 90	2.1
Silver-grey							
7650 M-OT LED 4000-840...	63 961...	...40	...51	LED 4,200 lm	32 W	1475 x 63 x 90	2.1
7650 M-OT LED 4000-830...	63 962...	...40	...51	LED 4,000 lm	32 W	1475 x 63 x 90	2.1
7650 M-OT LED 5500-840...	63 973...	...40	...51	LED 5,900 lm	50 W	1475 x 63 x 90	2.1
7650 M-OT LED 5500-830...	63 974...	...40	...51	LED 5,600 lm	50 W	1475 x 63 x 90	2.1
<b>Gear tray OT with individual battery supply for maintained operation*</b>							
White							
7650 OT LED 4000-840...EB3	63 963...	...40	...51	LED 4,200 lm	36 W	1475 x 63 x 90	2.2
7650 OT LED 4000-830...EB3	63 964...	...40	...51	LED 4,000 lm	36 W	1475 x 63 x 90	2.2
7650 OT LED 5500-840...EB3	63 975...	...40	...51	LED 5,900 lm	55 W	1475 x 63 x 90	2.2
7650 OT LED 5500-830...EB3	63 976...	...40	...51	LED 5,600 lm	55 W	1475 x 63 x 90	2.2
Silver-grey							
7650 M-OT LED 4000-840...EB3	63 965...	...40	...51	LED 4,200 lm	36 W	1475 x 63 x 90	2.2
7650 M-OT LED 4000-830...EB3	63 966...	...40	...51	LED 4,000 lm	36 W	1475 x 63 x 90	2.2
7650 M-OT LED 5500-840...EB3	63 977...	...40	...51	LED 5,900 lm	55 W	1475 x 63 x 90	2.2
7650 M-OT LED 5500-830...EB3	63 978...	...40	...51	LED 5,600 lm	55 W	1475 x 63 x 90	2.2
<b>Gear tray OT with switching relay for maintained operation*</b>							
White							
7650 OT LED 4000-840...UR	63 967...	...40	...51	LED 4,200 lm	32 W	1475 x 63 x 90	2.6
7650 OT LED 4000-830...UR	63 968...	...40	...51	LED 4,000 lm	32 W	1475 x 63 x 90	2.6
7650 OT LED 5500-840...UR	63 979...	...40	...51	LED 5,900 lm	50 W	1475 x 63 x 90	2.6
7650 OT LED 5500-830...UR	63 980...	...40	...51	LED 5,600 lm	50 W	1475 x 63 x 90	2.6
Silver-grey							
7650 M-OT LED 4000-840...UR	63 969...	...40	...51	LED 4,200 lm	32 W	1475 x 63 x 90	2.6
7650 M-OT LED 4000-830...UR	63 970...	...40	...51	LED 4,000 lm	32 W	1475 x 63 x 90	2.6
7650 M-OT LED 5500-840...UR	63 981...	...40	...51	LED 5,900 lm	50 W	1475 x 63 x 90	2.6
7650 M-OT LED 5500-830...UR	63 982...	...40	...51	LED 5,600 lm	50 W	1475 x 63 x 90	2.6

A supplementary blanking piece is needed for refurbishing obsolete T8 systems. This must be ordered separately.

White: 07650 B/L55, TOC 62 215 00; Silver-grey: 07650 M-B/L55, TOC 62 216 00.

\*With the combination DALI + emergency light (EB and UR), special trunking (7LV + 5LV) must be requested from TRILUX.

OT gear trays are not compatible with our Flex370 trunking.



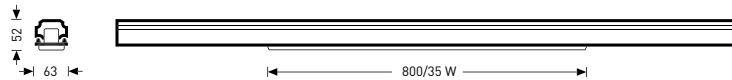
## Reflector, asymmetric SA



Reference	TOC	Description	≈kg
07650 SA-Ag/LED	63 025 00	Asymmetric reflector, 1 piece, white-coated aluminium, including mounting accessory and cover for seamless connection of reflectors with trunking applications	0.3

Reflector for E-Line T5N LED gear tray type 7650 B... Application results in asymmetric light distribution. For illuminating shelves or wall panels. Of white-coated aluminium. Tool-free mounting to gear tray via two fixing springs. With a cover for seamless connection of the reflectors with trunking applications, fixed without tools. The LED gear tray is a separate order unit.

## 3-circuit track module



Reference	TOC	Description	L mm	≈kg
7650 AD-35	59 191 00	1 piece, white, for euro adapter	1,475	1.8
7650 M-AD-35	59 192 00	1 piece, silver-grey, for euro adapter	1,475	1.8

Spots in image are not included in the scope of supply

### Applications

For accent lighting. For mounting of spotlights in sales rooms, exhibition spaces, museums, reception halls, conference rooms and trade fair halls.

### 3-circuit track module AD

Sheet steel, white, with integrated 3-circuit track for euro adapter, utilisable track length 800 mm (7650 AD/35). Fixing to trunking with tool-free stainless steel snap fasteners.

Maximum total weight of spots fixed to track module: 10 kg.

7650... White.

7650 M... Silver-grey

### Electrical connection

Self-actuating with insertion of gear tray into the trunking. Lamp circuit connections can be set without tools to phase conductor.

## Light management



### Luminaire type

**7650 +ActiM2:** Gear tray with length 740 mm as a master gear tray with integrated ActiLume2 control unit and sensor unit for daylight-dependent control and presence detection.

For room heights up to 5 m. For use with 07650 ... FLEX370 trunking, or in combination with 07650B/L370..., 07650B/L740... or 07650B/L1110... blanking covers.

**7650 +ActiS2:** Gear tray with 740 mm length as a sensor gear tray with integrated ActiLume2 sensor unit for expanding the presence detection range. For room heights up to 5 m. For use with 07650... FLEX370 trunking, or in combination with 07650B/L370... 07650B/L740 ... or 07650B/L1110... blanking covers.

**7650 +ActiM2 HB:** Gear tray with length 740 mm as a master gear tray with integrated ActiLume2 control unit and sensor unit for daylight-dependent control and presence detection. For room heights from 5 m to 15 m.

For use with 07650... FLEX370 trunking, or in combination with 07650B/L370..., 07650B/L740... or 07650B/L1110... blanking covers.

### Gear tray

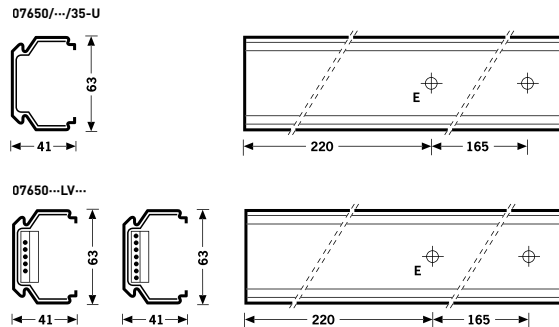
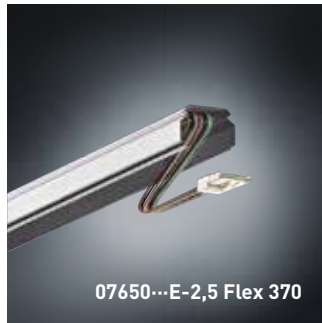
Sheet steel, white. Fixing to trunking with tool-free stainless steel snap fasteners.

### Electrical design

Electrical connection is self-actuating with insertion of gear tray into the support profile. Phase selection is without use of tools.

Reference	TOC	Description	≈kg
<b>7650 +ActiM2</b>	63 048 00	7650 gear tray with integrated ActiLume DALI controller and sensor for mounting heights up to max. 5 metres, white	1.2
<b>7650 +ActiS2</b>	63 049 00	7650 gear tray with integrated ActiLume DALI expansion sensor for mounting heights up to max. 5 metres, white	1.2
<b>7650 +ActiM2 HB</b>	63 050 00	7650 gear tray with integrated ActiLume DALI controller and sensor for mounting heights of 5-15 metres, white	1.2

## Universal trunking



### Applications

E-Line T5N universal trunking as the basis for all E-Line T5N rapid mounting continuous line applications.

.../E... Trunking as single luminaire version for the individual lighting of workstations, for the lighting of small, spatially limited room zones and also in combination with multi-length trunking as part of continuous line installations.

### Mounting method

For ceiling surface-mounting and suspended mounting. The maximum mounting distance with suspended mounting is 2,500 mm with use of fixing accessories from the E-Line T5N accessory range. Ensure an overhang of 50 - 500 mm at trunking ends. With suspended mounting with nodes and node adapters, observe the mounting distance according to the installation instructions.

### Luminaire body

Sheet steel trunking profile, dimensionally stable, galvanised, with white polyester enamel coating.

...M... Colour silver-grey.

.../I... 1-length version.

.../II... 2-length version.

.../III... 3-length version.

...35... For gear tray length 1,475 mm.

### Electrical design

Factory pre-wired trunking must be equipped with one female connector per lamp length for tool-free electrical contact of the gear trays. The cable cross-section of heat-resistant, halogen-free cables is 2.5 mm<sup>2</sup>.

Unwired trunking can be wired on-site via wiring accessories to be ordered separately.

...-U... Trunking, unwired.

...-5LV... Trunking with 5-conductor through-wiring.

...-7LV... Trunking with 7-conductor through-wiring.

...Flex 370 Trunking with Flex370 equipment for combination with gear trays of differing module lengths within one continuous line application. Female connectors for tool-free electrical connection of gear trays are at distances of 370 mm. The LED emergency light gear trays are not compatible with Flex370 trunking.

Reference	TOC	Dimensions L x W x H mm	Connector socket distances mm	≈kg
<b>Universal trunking profiles, unwired</b>				
White				
<b>07650/I/35-U</b>	59 206 00	1475 x 63 x 41		2.3
<b>07650/II/35-U</b>	59 210 00	2950 x 63 x 41		1.6
<b>07650/III/35-U</b>	59 214 00	4425 x 63 x 41		4.4
Silver-grey				
<b>07650 M/I/35-U</b>	59 237 00	1475 x 63 x 41		2.3
<b>07650 M/II/35-U</b>	59 241 00	2950 x 63 x 41		1.6
<b>07650 M/III/35-U</b>	59 245 00	4425 x 63 x 41		4.4
<b>Universal trunking, factory pre-wired</b>				
5LV, white				
<b>07650/II/35-5LV 2.5</b>	59 218 00	2950 x 63 x 41		3.3
<b>07650/III/35-5LV 2.5</b>	59 220 00	4425 x 63 x 41		5.0
7LV, white				
<b>07650/II/35-7LV 2.5</b>	59 209 00	2950 x 63 x 41		3.4
<b>07650/III/35-7LV 2.5</b>	59 213 00	4425 x 63 x 41		5.1
5LV, silver-grey				
<b>07650 M/II/35-5LV/2.5</b>	59 249 00	2950 x 63 x 41		3.3
<b>07650 M/III/35-5LV/2.5</b>	59 251 00	4425 x 63 x 41		5.0
7LV, silver-grey				
<b>07650 M/II/35-7LV/2.5</b>	59 240 00	2950 x 63 x 41		3.4
<b>07650 M/III/35-7LV/2.5</b>	59 244 00	4425 x 63 x 41		5.1
<b>Universal trunking for individual luminaires, pre-wired and ready for connection</b>				
5LV, white				
<b>07650/I/35-5LV/E 2.5</b>	59 216 00	1475 x 63 x 41		1.7
7LV, white				
<b>07650/I/35-7LV/E 2.5</b>	59 205 00	1475 x 63 x 41		1.8
5LV, silver-grey				
<b>07650 M/I/35-5LV/E 2.5</b>	59 247 00	1475 x 63 x 41		1.7
7LV, silver-grey				
<b>07650 M/I/35-7LV/E 2.5</b>	59 236 00	1475 x 63 x 41		1.8
<b>Flex 370 universal trunking, factory pre-wired</b>				
5LV, white, wired				
<b>07650/II/35-5LV-2.5 Flex370</b>	60 412 00	2950 x 63 x 41	368	3.4
<b>07650/III/35-5LV-2.5 Flex370</b>	60 414 00	4425 x 63 x 41	368	5.1
7LV, white, wired				
<b>07650/II/35-7LV-2.5 Flex370</b>	60 413 00	2950 x 63 x 41	368	3.4
<b>07650/III/35-7LV-2.5 Flex370</b>	60 415 00	4425 x 63 x 41	368	5.1
5LV, silver, wired				
<b>07650 M/II/35-5LV-2.5 Flex370</b>	61 002 00	2950 x 63 x 41	368	3.4
<b>07650 M/III/35-5LV-2.5 Flex370</b>	61 004 00	4425 x 63 x 41	368	5.1
7LV, silver, wired				
<b>07650 M/II/35-7LV-2.5 Flex370</b>	61 003 00	2950 x 63 x 41	368	3.4
<b>07650 M/III/35-7LV-2.5 Flex370</b>	61 005 00	4425 x 63 x 41	368	5.1
<b>Flex 370 universal trunking for individual luminaires, pre-wired and ready for connection</b>				
5LV, white, wired				
<b>07650/I/35-5LV/E-2.5 Flex370</b>	60 410 00	1475 x 63 x 41	368	1.5
7LV, white, wired				
<b>07650/I/35-7LV/E-2.5 Flex370</b>	60 411 00	1475 x 63 x 41	368	1.5
5LV, silver, wired				
<b>07650 M/I/35-5LV/E-2.5 Flex370</b>	61 000 00	1475 x 63 x 41	368	1.5
7LV, silver, wired				
<b>07650 M/I/35-7LV/E-2.5 Flex370</b>	61 001 00	1475 x 63 x 41	368	1.5



## Trunking accessories



### Blanking covers

Reference	TOC	Description	≈kg
White			
07650 B/35	59 228 00	1 piece, length 1,475 mm	0.3
07650 B/35 PC	59 229 00	1 piece, length 1,475 mm	0.2
Silver-grey			
07650 M-B/35	59 232 00	1 piece, length 1,475 mm	0.2
07650 M-B/35 PC	59 233 00	1 piece, length 1,475 mm	0.3

### Blanking covers for refurbishing old T8 systems

Reference	TOC	Description	≈kg
White			
07650 B/L55	62 215 00	1 piece, length 55 mm	0.1
Silver-grey			
07650 M-B/L55	622 16 00	1 piece, length 55 mm	0.1

### IP20 blanking covers for Flex 370

Reference	TOC	Description	≈kg
White			
07650 B/L1110	60 418 00	1 piece, length 1,110 mm	0.2
07650 B/L370	60 416 00	1 piece, length 370 mm	0.1
07650 B/L740	60 417 00	1 piece, length 740 mm	0.1

### IP50 blanking covers

Reference	TOC	Description	≈kg
White			
07650 B/35 IP50	63 677 00	1 piece, length 1,475 mm	0.4

### IP20 trunking end caps

Reference	TOC	Description	≈kg
White			
07690 E-R	21 947 00	1 piece, white	0.1
07690 E-R PC	21 948 00	1 piece, white	0.1
Silver-grey			
07690 M-E-R	43 742 00	1 piece, silver-grey	0.1
07690 M-E-R PC	43 743 00	1 piece, silver-grey	0.1

### IP50 trunking end caps

Reference	TOC	Description	≈kg
07680 E-R IP50	21 886 00	1 piece, white	0.1

### IP50 coupling sealing

Reference	TOC	Description	≈kg
07680 KD IP50	21 887 00	1 set, internal, not externally visible	0.1

## Trunking accessories



## Other accessories and fixing components

Reference	TOC	Description	≈kg
Wire and chain suspensions			
A 01 DSX	22 296 00	1 piece, decorative wire suspension, length 1,500 mm	0.3
A 01 SX	22 307 00	1 piece, wire suspension with suspension clamp, length 1,500	0.1
A 01 KX	22 301 00	1 piece, wire suspension, with turnbuckle and suspension clamp, E 03 KX	0.3
Wire suspensions			
A 01 DSX D	60 559 00	1 piece, decorative wire suspension, steel wire, galvanised, 1.75 mm, length 1,500 mm, with ERS turnbuckle and thread with dowel. Wire length freely adjustable without tools*	0.1
A 01 DSX K	60 558 00	1 piece, decorative wire suspension, galvanised, 1.75 mm, length 1,500 mm, with ERS turnbuckle and spring hook. Wire length freely adjustable without tools*	0.1
A 01 DSX T	60 560 00	1 piece, decorative wire suspension, consisting of steel wire, galvanised, 1.75 mm, length 1,500 mm, with ERS turnbuckle and trapezoid bracket. Wire length freely adjustable without tools*	0.1
Pendant suspensions			
A 01 PX	29 283 00	1 piece, pendant suspension, white, length 1,500 mm	0.5
A 01 M-PX	45 379 00	1 piece, pendant suspension, silver-grey, length 1,500 mm	0.5
Wire accessories			
E 07	23 438 00	1 set (12 pcs.), for wire suspensions with E 06 and E 03 SX	0.1
Suspension clamps			
E 03 KX	23 428 00	1 piece, suspension clamp for chain suspensions	0.1
E 03 SKX	61 889 00	1 piece, height-adjustable chain suspension	0.1
E 03 SX	23 432 00	1 piece, suspension clamp for wire suspensions together with E 06 and E 07	0.1
Fixing clamps			
D 01 X	23 212 00	1 piece, fixing clamp for direct ceiling mounting	0.1

\*The suspension clamp E 03 KX (TOC 23 428 00) must be ordered separately

## Trunking accessories



## Other accessories and fixing components

Reference	TOC	Description	≈kg
Link chain			
<b>E 04</b>	23 434 00	Length 20 m, can be cut to suit on-site	4.5
Steel wire			
<b>E 06</b>	23 437 00	20 m long, with instant glue for fixing wire ends	0.3
Turnbuckle			
<b>E 05 N</b>	23 436 00	1 piece, with spring hook	0.1
Ceiling mounting plate			
<b>E 01</b>	23 420 00	1 piece ceiling mounting plate with spring hook	0.2
Nodes			
<b>A 03 D</b>	22 315 00	1 piece, node, white	0.5
Nodes with wire suspension			
<b>A 03 S</b>	29 284 00	1 piece, node with wire suspension, white	0.6

## Trunking accessories



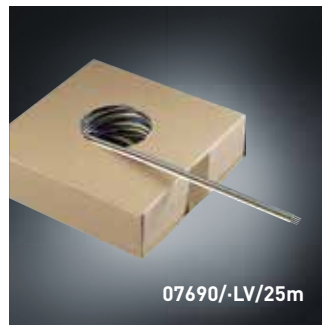
### Node adapters

Reference	TOC	Description	≈kg
07690 KA/7LV	21 951 00	1 piece, node adapter, white, with 7LV	0.7
07690 KA/7LV 2.5	46 672 00	1 piece, node adapter, white, with 7LV, 2.5 mm <sup>2</sup>	0.8
07690 M-KA/7LV	45 378 00	1 piece, node adapter, silver-grey, with 7LV	0.7
07690 M-KA/7LV 2.5	46 671 00	1 piece, node adapter, silver-grey, with 7LV, 2.5 mm <sup>2</sup>	0.8

### Ceiling rose/supply tubes

Referenceg	TOC	Descriptiong	≈kg
05900 AN	21 726 00	1 piece, ceiling rose with wire outlet	0.1
05000 ZR	21 525 00	1 piece, supply tube, length 1,000 mm	0.1
05000 ZR/2 m	21 526 00	1 piece, supply tube, length 2,000 mm	0.2

## Trunking accessories



### Ribbon cable wiring/single conductor wiring

Reference	TOC	Description	≈kg
07690/5LV/46 m	21 891 00	Ribbon cable wiring, 5-conductor, for freely definable luminaire	5.0
07690/7LV/46 m	21 895 00	Ribbon cable wiring, 7-conductor, for freely definable luminaire	5.0
07690/5LV/25 m	21 890 00	5 coloured, heat-resistant individual wires, length 25 m	2.5

### Through-wiring

Reference	TOC	Description	≈kg
5LV wiring			
07690/5LV-58/46 m	21 894 00	length 46 m, with female connector at 1,530 mm distances for 35, 49, 58, 80 W	5.0
07690/5LV-58/46 m 2.5	46 668 00	length 46 m, with female connector at 1,530 mm distances for 35, 49, 58, 80 W	5.0
07690/5LV-510/46 m	21 893 00	length 46 m, with female connector at 510 mm distances for 35, 49, 58, 80 W	5.5
07690/5LV-510/46 m 2.5	45 661 00	length 46 m, with female connector at 510 mm distances for 35, 49, 58, 80 W	6.5
7LV wiring			
07690/7LV-58/46 m	21 897 00	length 46 m, with female connector at 1,530 mm distances for 35, 49, 58, 80 W	5.2
07690/7LV-58/46 m 2.5	46 669 00	length 46 m, with female connector at 1,530 mm distances for 35, 49, 58, 80 W	5.2
07690/7LV-510/46 m	21 896 00	length 46 m, with female connector at 510 mm distances for 35, 49, 58, 80 W	5.6
07690/7LV-510/46 m 2.5	30 006 00	length 46 m, with female connector at 510 mm distances for 35, 49, 58, 80 W	9.0



## Trunking accessories



### Cable restraints

Reference	TOC	Description	≈kg
07690 LHA	21 952 00	1 piece, outer	0.1
07690 LHI	21 953 00	Set of 10, inner	0.1









### Female connectors

Reference	TOC	Description	≈kg
07690 SK	21 959 00	1 piece, for ribbon cable wiring	0.1
07690 TO	21 967 00	1 piece, for electrical contact of single wires	0.1

### Wiring connector

Reference	TOC	Description	≈kg
07690 VV	21 973 00	1 piece, 7-pole plug/socket pair	0.1

## Brief overview of E-Line LED optics

		LED gear tray					
		White ...without M		Silver ...M			
		Switchable ...ET	DALI dimmable ...ETDD	Switchable ...ET	DALI dimmable ...ETDD		
 <p><b>B</b> wide distribution</p>	Luminous flux 4,000 lm		Light colour 4,000 K	62 098 40	62 098 51	62 102 40	62 102 51
			Light colour 3,000 K	62 097 40	62 097 51	62 101 40	62 101 51
	Luminous flux 5,500 lm		Light colour 4,000 K	62 100 40	62 100 51	62 104 40	62 104 51
			Light colour 3,000 K	62 099 40	62 099 51	62 103 40	62 103 51
	Luminous flux 6,500 lm		Light colour 4,000 K	62 393 40	62 393 51	62 397 40	62 397 51
			Light colour 3,000 K	62 392 40	62 392 51	62 396 40	62 396 51
 <p><b>TB</b> narrow wide distribution</p>	Luminous flux 8,000 lm		Light colour 4,000 K	63 686 40	63 686 51	63 694 40	63 694 51
			Light colour 3,000 K	63 684 40	63 684 51	63 692 40	63 692 51
	Luminous flux 13,000 lm		Light colour 4,000 K	63 270 40	63 270 51	63 271 40	63 271 51
			Light colour 3,000 K	63 272 40	63 272 51	63 273 40	63 273 51
	Luminous flux 4,000 lm		Light colour 4,000 K	62 411 40	62 411 51	62 403 40	62 403 51
			Light colour 3,000 K	62 410 40	62 410 51	62 402 40	62 402 51
 <p><b>T</b> narrow distribution</p>	Luminous flux 5,500 lm		Light colour 4,000 K	62 413 40	62 413 51	62 405 40	62 405 51
			Light colour 3,000 K	62 412 40	62 412 51	62 404 40	62 404 51
	Luminous flux 6,500 lm		Light colour 4,000 K	62 415 40	62 415 51	62 407 40	62 407 51
			Light colour 3,000 K	62 414 40	62 414 51	62 406 40	62 406 51
	Luminous flux 8,000 lm		Light colour 4,000 K	63 714 40	63 714 51	63 706 40	63 706 51
			Light colour 3,000 K	63 712 40	63 712 51	63 704 40	63 704 51
 <p><b>DA</b> double asymmetric</p>	Luminous flux 13,000 lm		Light colour 4,000 K	63 274 40	63 274 51	63 275 40	63 275 51
			Light colour 3,000 K	63 276 40	63 276 51	63 277 40	63 277 51
	Luminous flux 20,000 lm		Light colour 4,000 K	63 286 40	63 286 51	63 287 40	63 287 51
			Light colour 3,000 K	63 288 40	63 288 51	63 289 40	63 289 51
	Luminous flux 4,000 lm		Light colour 4,000 K	62 074 40	62 074 51	62 078 40	62 078 51
			Light colour 3,000 K	62 073 40	62 073 51	62 077 40	62 077 51
 <p><b>DA</b> double asymmetric</p>	Luminous flux 5,500 lm		Light colour 4,000 K	62 076 40	62 076 51	62 080 40	62 080 51
			Light colour 3,000 K	62 075 40	62 075 51	62 079 40	62 079 51
	Luminous flux 6,500 lm		Light colour 4,000 K	62 409 40	62 409 51	62 401 40	62 401 51
			Light colour 3,000 K	62 408 40	62 408 51	62 400 40	62 400 51
	Luminous flux 8,000 lm		Light colour 4,000 K	63 710 40	63 710 51	63 702 40	63 702 51
			Light colour 3,000 K	63 708 40	63 708 51	63 700 40	63 700 51
 <p><b>DA</b> double asymmetric</p>	Luminous flux 13,000 lm		Light colour 4,000 K	63 266 40	63 266 51	63 267 40	63 267 51
			Light colour 3,000 K	63 268 40	63 268 51	63 269 40	63 269 51
	Luminous flux 20,000 lm		Light colour 4,000 K	63 282 40	63 282 51	63 283 40	63 283 51
			Light colour 3,000 K	63 284 40	63 284 51	63 285 40	63 285 51
	Luminous flux 4,000 lm		Light colour 4,000 K	62 122 40	62 122 51	62 126 40	62 126 51
			Light colour 3,000 K	62 121 40	62 121 51	62 125 40	62 125 51
 <p><b>DA</b> double asymmetric</p>	Luminous flux 5,500 lm		Light colour 4,000 K	62 124 40	62 124 51	62 128 40	62 128 51
			Light colour 3,000 K	62 123 40	62 123 51	62 127 40	62 127 51
	Luminous flux 6,500 lm		Light colour 4,000 K	62 395 40	62 395 51	62 399 40	62 399 51
			Light colour 3,000 K	62 394 40	62 394 51	62 398 40	62 398 51
	Luminous flux 8,000 lm		Light colour 4,000 K	63 690 40	63 690 51	63 698 40	63 698 51
			Light colour 3,000 K	63 688 40	63 688 51	63 696 40	63 696 51
 <p><b>DA</b> double asymmetric</p>	Luminous flux 13,000 lm		Light colour 4,000 K	63 278 40	63 278 51	63 279 40	63 279 51
			Light colour 3,000 K	63 280 40	63 280 51	63 281 40	63 281 51

See pages 32-35 for IP54 and OT variants.

LED gear tray with 3h individual battery			
White ...without M		Silver ...M	
Switchable ...ET	DALI dimmable ...ETDD	Switchable ...ET	DALI dimmable ...ETDD
62 106 40	62 106 51	62 110 40	62 110 51
62 105 40	62 105 51	62 109 40	62 109 51
62 108 40	62 108 51	62 112 40	62 112 51
62 107 40	62 107 51	62 111 40	62 111 51
62 417 40	62 417 51	62 421 40	62 421 51
62 416 40	62 416 51	62 420 40	62 420 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 435 40	62 435 51	62 427 40	62 427 51
62 434 40	62 434 51	62 426 40	62 426 51
62 437 40	62 437 51	62 429 40	62 429 51
62 436 40	62 436 51	62 428 40	62 428 51
62 439 40	62 439 51	62 431 40	62 431 51
62 438 40	62 438 51	62 430 40	62 430 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 082 40	62 082 51	62 086 40	62 086 51
62 081 40	62 081 51	62 085 40	62 085 51
62 084 40	62 084 51	62 088 40	62 088 51
62 083 40	62 083 51	62 087 40	62 087 51
62 433 40	62 433 51	62 425 40	62 425 51
62 432 40	62 432 51	62 424 40	62 424 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 130 40	62 130 51	62 134 40	62 134 51
62 129 40	62 129 51	62 133 40	62 133 51
62 132 40	62 132 51	62 136 40	62 136 51
62 131 40	62 131 51	62 135 40	62 135 51
62 419 40	62 419 51	62 423 40	62 423 51
62 418 40	62 418 51	62 422 40	62 422 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

LED gear tray with switching relay			
White ...without M		Silver ...M	
Switchable ...ET	DALI dimmable ...ETDD	Switchable ...ET	DALI dimmable ...ETDD
62 114 40	62 114 51	62 118 40	62 118 51
62 113 40	62 113 51	62 117 40	62 117 51
62 116 40	62 116 51	62 120 40	62 120 51
62 115 40	62 115 51	62 119 40	62 119 51
62 441 40	62 441 51	62 445 40	62 445 51
62 440 40	62 440 51	62 444 40	62 444 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 459 40	62 459 51	62 451 40	62 451 51
62 458 40	62 458 51	62 450 40	62 450 51
62 461 40	62 461 51	62 453 40	62 453 51
62 460 40	62 460 51	62 452 40	62 452 51
62 463 40	62 463 51	62 455 40	62 455 51
62 462 40	62 462 51	62 454 40	62 454 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 090 40	62 090 51	62 094 40	62 094 51
62 089 40	62 089 51	62 093 40	62 093 51
62 092 40	62 092 51	62 096 40	62 096 51
62 091 40	62 091 51	62 095 40	62 095 51
62 457 40	62 457 51	62 449 40	62 449 51
62 456 40	62 456 51	62 448 40	62 448 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
62 138 40	62 138 51	62 142 40	62 142 51
62 137 40	62 137 51	62 141 40	62 141 51
62 140 40	62 140 51	62 144 40	62 144 51
62 139 40	62 139 51	62 143 40	62 143 51
62 443 40	62 443 51	62 447 40	62 447 51
62 442 40	62 442 51	62 446 40	62 446 51
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

## Technical information

### Luminaire data

	wide distribution	narrow-wide distribution	narrow distribution	double asymmetric distribution
<b>Code</b>	B	TB	T	DA
<b>Protection rating</b>	IP20	IP20	IP20	IP20
<b>Connected load</b>	– 108 W (at 13,000 lm) 63 W (at 8,000 lm) 48 W (at 6,500 lm) 39 W (at 5,500 lm) 29 W (at 4,000 lm)	162 W (at 20,000 lm) 108 W (at 13,000 lm) 68 W (at 8,000 lm) 54 W (at 6,500 lm) 43 W (at 5,500 lm) 32 W (at 4,000 lm)	162 W (at 20,000 lm) 108 W (at 13,000 lm) 68 W (at 8,000 lm) 54 W (at 6,500 lm) 43 W (at 5,500 lm) 32 W (at 4,000 lm)	– 108 W (at 13,000 lm) 68 W (at 8,000 lm) 54 W (at 6,500 lm) 43 W (at 5,500 lm) 32 W (at 4,000 lm)
<b>Luminous flux</b>	– 13,000 lm 8,000 lm 6,500 lm 5,500 lm 4,000 lm	20,000 lm 13,000 lm 8,000 lm 6,500 lm 5,500 lm 4,000 lm	20,000 lm 13,000 lm 8,000 lm 6,500 lm 5,500 lm 4,000 lm	– 13,000 lm 8,000 lm 6,500 lm 5,500 lm 4,000 lm
<b>Colour rendering/ colour temperature</b>	840 (Ra > 80, 4,000 K) 830 (Ra > 80, 3,000 K)	840 (Ra > 80, 4,000 K) 830 (Ra > 80, 3,000 K)	840 (Ra > 80, 4,000 K) 830 (Ra > 80, 3,000 K)	840 (Ra > 80, 4,000 K) 830 (Ra > 80, 3,000 K)
<b>Control units</b>	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable
<b>Service life</b>	50,000 h, L80/B10, ta 35 °C (at 8,000 lm and 13,000 lm) 50,000 h, L80/B10, ta 40 °C (at 6,500 lm) 50,000 h, L80/B10, ta 45 °C (at 5,500 lm) 50,000 h, L80/B10, ta 50 °C (at 4,000 lm)	50,000 h, L80/B10, ta 25 °C (at 8,000 lm) 50,000 h, L80/B10, ta 35 °C (at 6,500 lm, 13,000 lm and 20,000 lm) 50,000 h, L80/B10, ta 40 °C (at 5,500 lm) 50,000 h, L80/B10, ta 45 °C (at 4,000 lm)	50,000 h, L80/B10, ta 25 °C (at 8,000 lm) 50,000 h, L80/B10, ta 35 °C (at 6,500 lm, 13,000 lm and 20,000 lm) 50,000 h, L80/B10, ta 40 °C (at 5,500 lm) 50,000 h, L80/B10, ta 45 °C (at 4,000 lm)	50,000 h, L80/B10, ta 25 °C (at 8,000 lm) 50,000 h, L80/B10, ta 35 °C (at 6,500 lm and 13,000 lm) 50,000 h, L80/B10, ta 40 °C (at 5,500 lm) 50,000 h, L80/B10, ta 45 °C (at 4,000 lm)
<b>Colour</b>	white – without M silver – M	white – without M silver – M	white – without M silver – M	white – without M silver – M
<b>Certification</b>	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I

	symmetric wide distribution	narrow-wide distribution	narrow distribution	symmetric wide distribution
<b>Code</b>	P	TB	T	OT
<b>Protection rating</b>	Lamp compartment IP54	Lamp compartment IP54	Lamp compartment IP54	IP20
<b>Connected load</b>	87 W	64 W	64 W	50 W (at 5,500 lm) 32 W (at 4,000 lm)
<b>Luminous flux</b>	7,500 lm	7,500 lm	7,500 lm	5,500 lm 4,000 lm
<b>Colour rendering/ colour temperature</b>	840 (Ra > 80, 4,000 K)	840 (Ra > 80, 4,000 K)	840 (Ra > 80, 4,000 K)	840 (Ra > 80, 4,000K) 830 (Ra > 80, 3,000K)
<b>Control units</b>	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable	ET, switchable ETDD, DALI dimmable
<b>Service life</b>	50,000 h, L80/B50, ta 25 °C	50,000 h, L80/B10, ta 40 °C	50,000 h, L80/B10, ta 40 °C	50,000 h, L80/B10, ta 35 °C
<b>Colour</b>	white – without M	white – without M	white – without M	white – without M silver – M
<b>Certification</b>	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I	ENEC, VDE, CE, safety class I

## Maximum number of gear trays per circuit for various automatic circuit breakers

Cable cross-section	Fusing	Automatic circuit breaker	Number of gear trays on one circuit
2.5 mm <sup>2</sup>	16 A	Type B	20 pieces
2.5 mm <sup>2</sup>	16 A	Type C	32 pieces
1.5 mm <sup>2</sup>	10 A	Type B	12 pieces
1.5 mm <sup>2</sup>	10 A	Type C	20 pieces

## Planning example

Continuous line length m	Modules Quantity	Trunking 07650--		Fixing points
		.../II/35-U .../II/35-5 LV .../II/35-7 LV Pieces	.../III/35-U .../III/35-5 LV .../III/35-7 LV Pieces	Quantity
2.96	2	1	-	2
4.44	3	-	1	3
5.91	4	2	-	3
7.39	5	1	1	4
8.86	6	-	2	5
10.34	7	2	1	5
11.81	8	1	2	6
13.29	9	-	3	7
14.76	10	2	2	7
16.24	11	1	3	8
17.71	12	-	4	8
19.19	13	2	3	9
20.66	14	1	4	9
22.14	15	-	5	10
23.61	16	2	4	11
25.09	17	1	5	11
26.56	18	-	6	12
28.04	19	2	5	12
29.51	20	1	6	13



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