AUSTRIA | MOLTO LUCE GMBH

HEADQUARTERS WELS
Office & Showroom
Europastraße 45
4600 Wels
T: +43 7242 698-0
M: office@moltoluce.com

www.moltoluce.com



MOLTO LUCE®





LIGHT FOR PRODUCTION & LOGISTICS

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LIGHT FOR PRODUCTION & JUG LOGISTICS

As an Austrian specialist in high-quality lighting solutions, we have expanded our portfolio of quality luminaires to include a comprehensive range for industry and commerce. With our three new product series, we offer the ideal solution for

TRAIL ➤ Trunking system ➤ Highbay TUNE ➤ Damp-proof 30NE/TIGO

- High lighting quality and ideal visual conditions for every kind of activity
- Future and operational safety guaranteed, thanks to durable quality components
- High efficiency, thanks to intelligent lighting systems
- Optimised light output for every time of day and night
- Up to 90% energy and costs saving possible
- Significant contribution to sustainability by saving CO2



LIGHT 4.0 WHEN LIGHT COMMUNICATES

examples of the amortisation calculations for our three product families TRAIL (p.10), TUNE (p.28) and 30NE

Direct communication (Bluetooth Mesh) between sensors and luminaires helps to create intelligent systems that enable simple and fast commissioning. Future adjustments can therefore be made very easily.



LIGHT FOR PRODUCTION & LOGISTICS LIGHT FOR PRODUCTION & LOGISTICS

INDUSTRY GUIDE

Light planning according to European standards

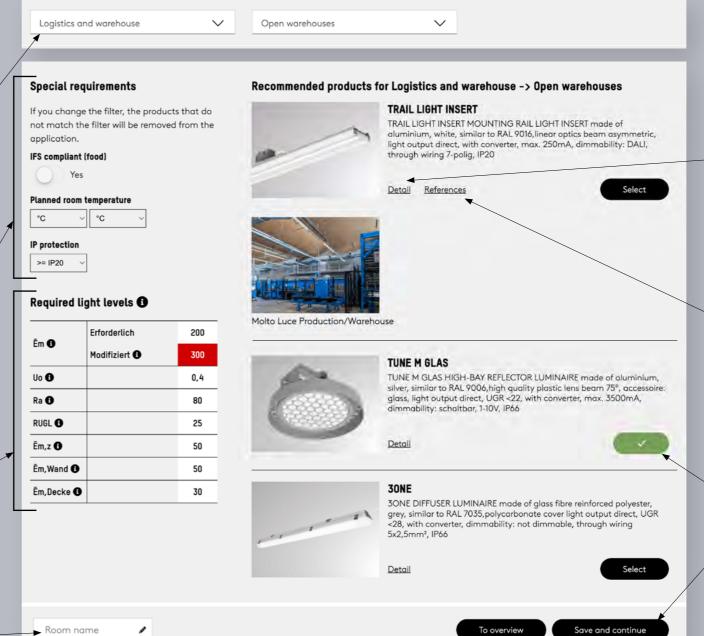
With our online tool Industry guide you can easily find the right lighting system for your specific application. After a few clicks and configuring special requirements you receive a precisely targeted selection of suita-ble products. All displayed products meet Lighting standards and minimum requirements of the selected application.

1. Selection of the task or activity areas

2. By configuring special and appropriate requirements, you receive a standardized and appropriate selection of lighting solutions

The table summarizes the minimum lighting requirements for selected task and activity areas that meet European standard EN12464-1:2021, as well as technical regulation for workplaces ASR A3.4 in Germany.

You can name different rooms in your project



Clicking on details take you directly to the product site for more information and other product variants.

Under references you will find application examples of the respective luminaire.

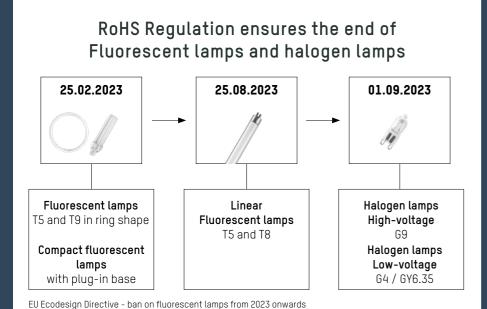
Select one or more products to direct your query to one of our contacts.

Go to the online industry guide here



"OUT WITH FLUORESCENT TUBES"

WHY YOU SHOULD REFURBISH YOUR OLD LIGHTING SYSTEM NOW



Ban on fluorescent lamps

From February 2023, the EU will grad-ually ban the placing on the market of fluores-cent lamps. Get ready by upgrading to a future-proof lighting system.

Rising energy prices

There is no end in sight for the massive price increases in the energy sector, due to current developments. Up to 80% of costs can be saved by converting to an energy-efficient and low-maintenance lighting system. Converting older LEDs to modern LED light systems can also pay off.

In the sense of sustainability

Compared to old lighting system, modern lighting solutions require significantly less luminaires for the same illuminance and have a much longer service life at the same time. By combination with intelligent sensor technology you can also sustain-ably reduce your CO2 emissions.



PROJECT
MÜLLER TRANSPORTE, WR. NEUDORF

Trail trunking system with state-of-the-art LED technology

OUT WITH FLUORESCENT TUBES OUT WITH FLUORESCENT TUBES



Molto Luce warehouse

	original installation	new installation
Operating data		
Lighting system	T5 light source	TRAIL trunking system
Number of luminaires	156 units	36 units
Rated input power	53 W	60 W
Total input power	8268 W	2160 W -74%
Illumination level Em	220 lx	214 lx
CO ₂ emission (year)	5.5 tones	0.5 tones -91%
Operational costs/year		

*Assuming an average electricity price of 0.5 Euro per kWh

Total power consumption 24,804 kWh

Payback calculation
Investment costs including installation

Energy costs saving/year

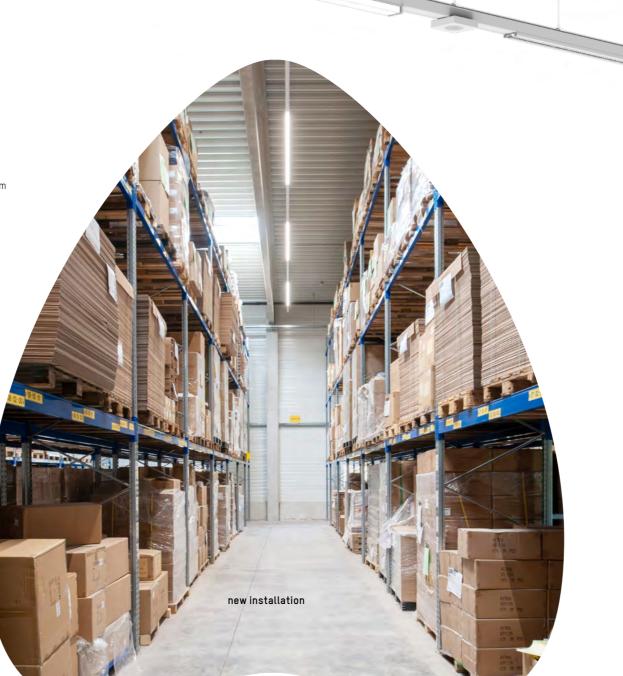
Energy costs*

€19,685 €11,235,50 2333 kWh

€1166,50 **-91%**

Payback time: 1.75 years

€12,402



GOOD LIGHT STORIES

TRAIL refurbishment concept

- Up to 90% energy saving
- Continuous through-wiring enables individual arrangement of all lighting inserts and major time savings during installation
- Flexible system easily adaptable to individual needs and changed conditions
- Efficient vertical Illumination and homogeneous light distribution

TRAIL product details



LIGHT INSERT IP20



LENGTHS

1137 / 1696 / 2255 mm

EFFICACY

up to 180 lm/W

RATED SERVICE LIFE

up to 100,000h L90 B10

AMBIENT TEMPERATURE

-25°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

3000K / 3500K / 4000K / 5000K / 6500K

Other colour temperatures or CRI90 are available on request.

LUMEN OUTPUT









3380-8780 lm 5260-13,660 lm

7570-19,660 lm

LIGHT CONTROL







TRAIL light inserts are fitted with ON/OFF, DALI, DALI D4i ballasts for different control options. HIGH OUTPUT light inserts are equipped with D4i EVGs with integrated power supply as a standard.

The ideal combination with TRAIL sensors enables light-specific data to be used for predictive maintenance and diagnosis.

BEAM ANGLES













Efficient lenses ensure glare-free visual comfort and absolutely homogeneous light distribution.

TRAIL TRUNKING RAILS







LIGHT INSERT

SYSTEM ACCESSOIRES







END CAP IP54 FOR BLIND COVER



LENGTHS

1137 / 1696 / 2255 mm

EFFICACY

up to 175 lm/W

RATED SERVICE LIFE

up to 100,000h L90 B10

AMBIENT TEMPERATURE

-25°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

3000K / 3500K / 4000K / 5000K / 6500K Other colour temperatures or CRI90 are available on request.

LUMEN OUTPUT







5870-13,660 lm



8540-19,650 lm

LIGHT CONTROL







TRAIL light inserts are fitted with ON/OFF, DALI, DALI D4i ballasts for different control options. HIGH OUTPUT light inserts are equipped with D4i EVGs with integrated power supply as a standard.

The ideal combination with TRAIL sensors enables light-specific data to be used for predictive maintenance and diagnosis.

BEAM ANGLES











Efficient lenses ensure glare-free visual comfort and absolutely homogeneous light distribution.

TRAIL TRUNKING RAILS







LIGHT INSERT CUBIC 1P54

prismatic - wide beam opal - diffuse prismatic - narrow beam

LENGTHS

1137 / 1696 / 2255 mm

EFFICACY

up to 177 lm/W

RATED SERVICE LIFE

up to 100,000h L90 B10

AMBIENT TEMPERATURE

-25°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

3000K / 3500K / 4000K / 5000K / 6500K Other colour temperatures or CRI90 are available on request.

LUMEN OUTPUT









4100-9680 lm

6150-14,520 lm

8200-19,370 lm

LIGHT CONTROL







TRAIL light inserts are fitted with ON/OFF, DALI, DALI D4i ballasts for different control options. HIGH OUTPUT light inserts are equipped with D4i EVGs with integrated power supply as a standard.

The ideal combination with TRAIL sensors enables light-specific data to be used for predictive maintenance and diagnosis.

BEAM ANGLES







wide-angled beam

Efficient lenses ensure glare-free visual comfort and absolutely homogeneous light distribution.

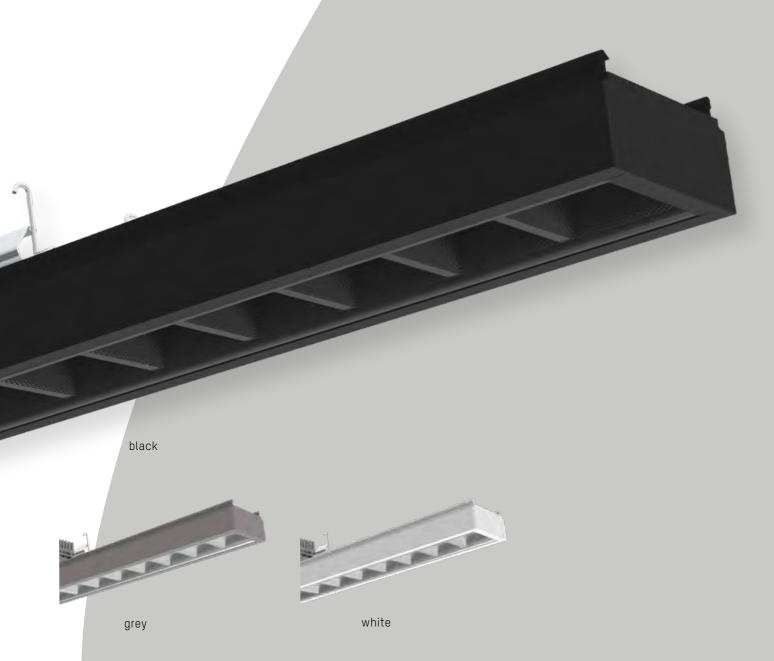
TRAIL TRUNKING RAILS





Find more info here

LIGHT INSERT OFFICE



LENGTHS

1137 / 1696 / 2255 mm

EFFICACY

up to 162 lm/W

RATED SERVICE LIFE

up to 50,000h L90 B10

AMBIENT TEMPERATURE

-20°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

2700K / 3000K / 3500K / 4000K

Other COLOUR TEMPERATURES or CRI90 are available on request

LUMEN OUTPUT





2730-6800 lm UGR<16

4810-11,980 lm UGR<19

LIGHT CONTROL

ON/OFF



TRAIL light inserts are fitted with ON/OFF and DALI ballasts for different control options.

BEAM ANGLES





<1500 cd·m⁻² <3000 cd·m⁻²

Efficient lenses ensure glare-free visual comfort and absolutely homogeneous light distribution. The optics are suitable for workplaces with screens.

TRAIL TRUNKING RAILS







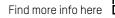
LIGHT CONTROLS

SENSOR APPLICATION

DESCRIPTON

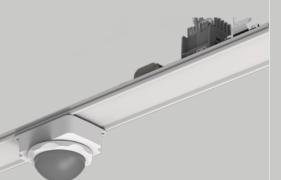
BENEFITS

DETECTION AREAS





INDUSTRY



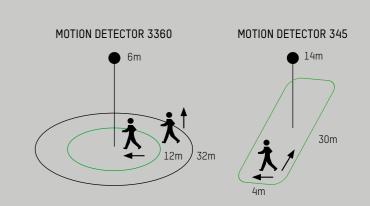
Multi-sensor INDUSTRY

- Passive infrared sensor for warehouses and production halls
- With integrated light sensor up to 1000 lx
- Installation height up to 14 m
- Two detection areas circular 3360 up to Ø 36m, square 345 30 x 4m
- Bluetooth range up to 35 m (standalone)
- Protection class IP65
- Ambient temperature -20°C to 50°C

Standalone

- Up to 60% energy saving
- Full functionality without central light management system, no programming required
- Includes DALI bus power supply
- Bluetooth Mesh network
- Constant-light control, any selectable main and basic light level
- Up to 16 DALI LED drivers can be connected
- Commissioning and control vie free APP

Sensor Insert 1 L1 N PE 01 01 L2 N PE 01 01 L3 N PE 01 01 N L1 L2 L3 D1+ D1 PE EL1 EL2 EN1 EN2



OFFICE

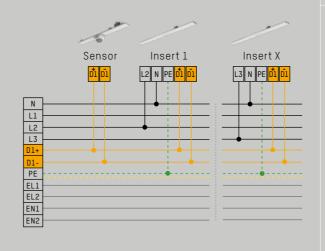


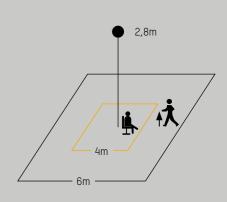
Multi-sensor OFFICE

- Motion and presence sensor for lower Installation height of 2-5m
- With integrated light sensor up to 1000 lx
- Optimal installation height of 2,8m with presence detection area 4x4 m
- Bluetooth range up to 25 m (standalone)
- Protection class IP20
- Ambient temperature -25°C to 50°C
- Three housing colours (white, grey, black)

System input device

- Up to 60% energy saving
- Integrated occupancy sensor & light sensor
- Certified DALI-2 input devices
- Sensors deliver data via any wired classical DALI network to the controller
- · Powered from the two DALI bus wires





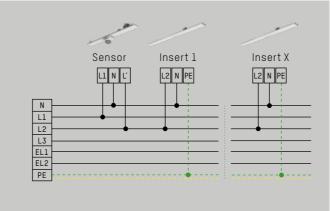
BASIC

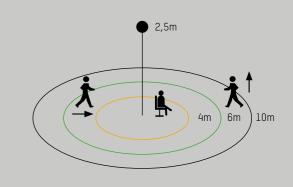


Multi-sensor ON/OFF

- Mini-motion detector for Installation height up to 5 m
- Ideal for storage/technical rooms, entrance areas, hallways/corridors
- Integrated brightness sensor
- Protection class IP20
- Ambient temperature -25°C to 50°C
- Three housing colours (white, grey, black)

- Up to 60% energy saving
- one channel for light switching
- Simple settings on the device
- Turn-on threshold 10-2000 lux
- Follow-up time 30 s-30 min

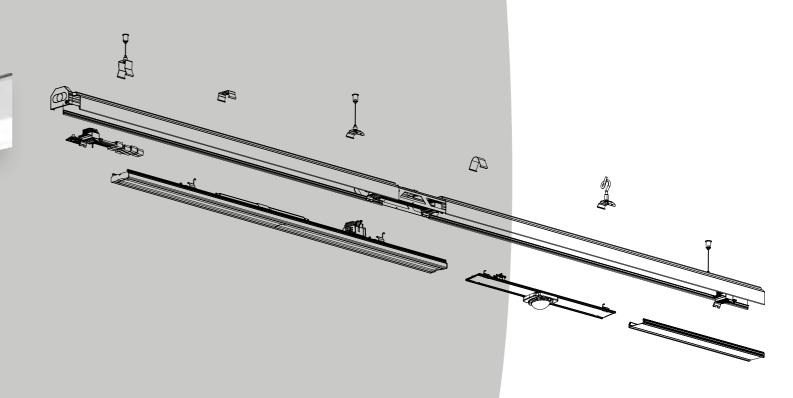




TRAIL LIGHT CONTROLS

FUNCTION INSERT

ACCESSORIES





UNIVERSAL ADAPTER

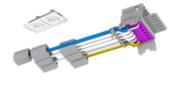


EMERGENCY LIGHTING



HIGH BAY





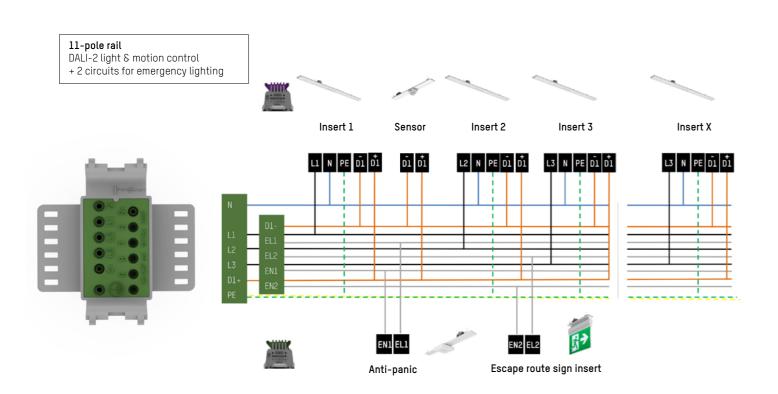
RAIL ELECTRIC FEED-IN/OUT



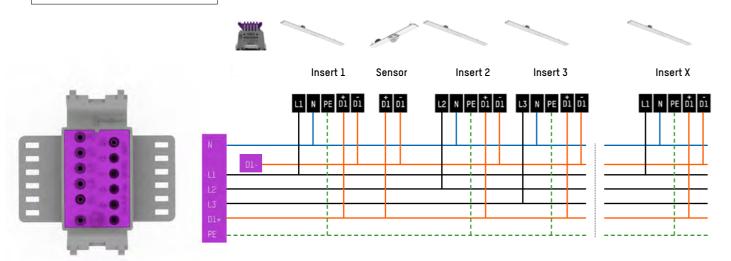
FUNCTION INSERTS

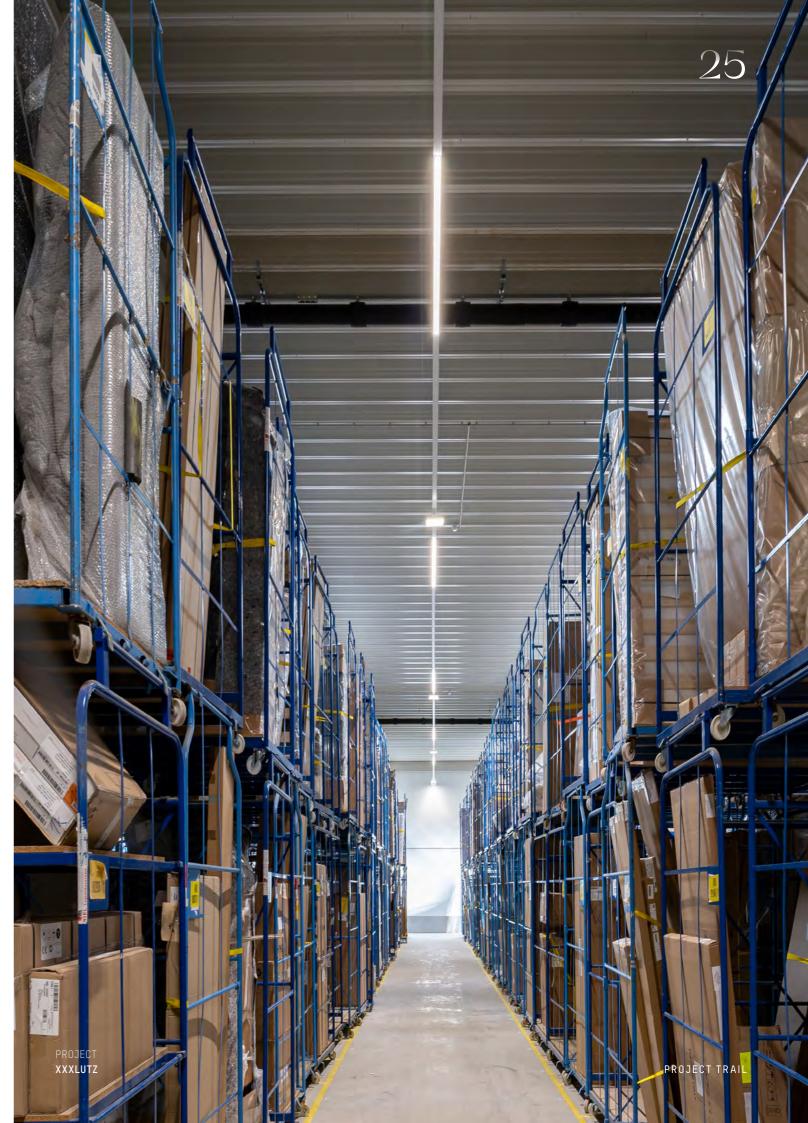


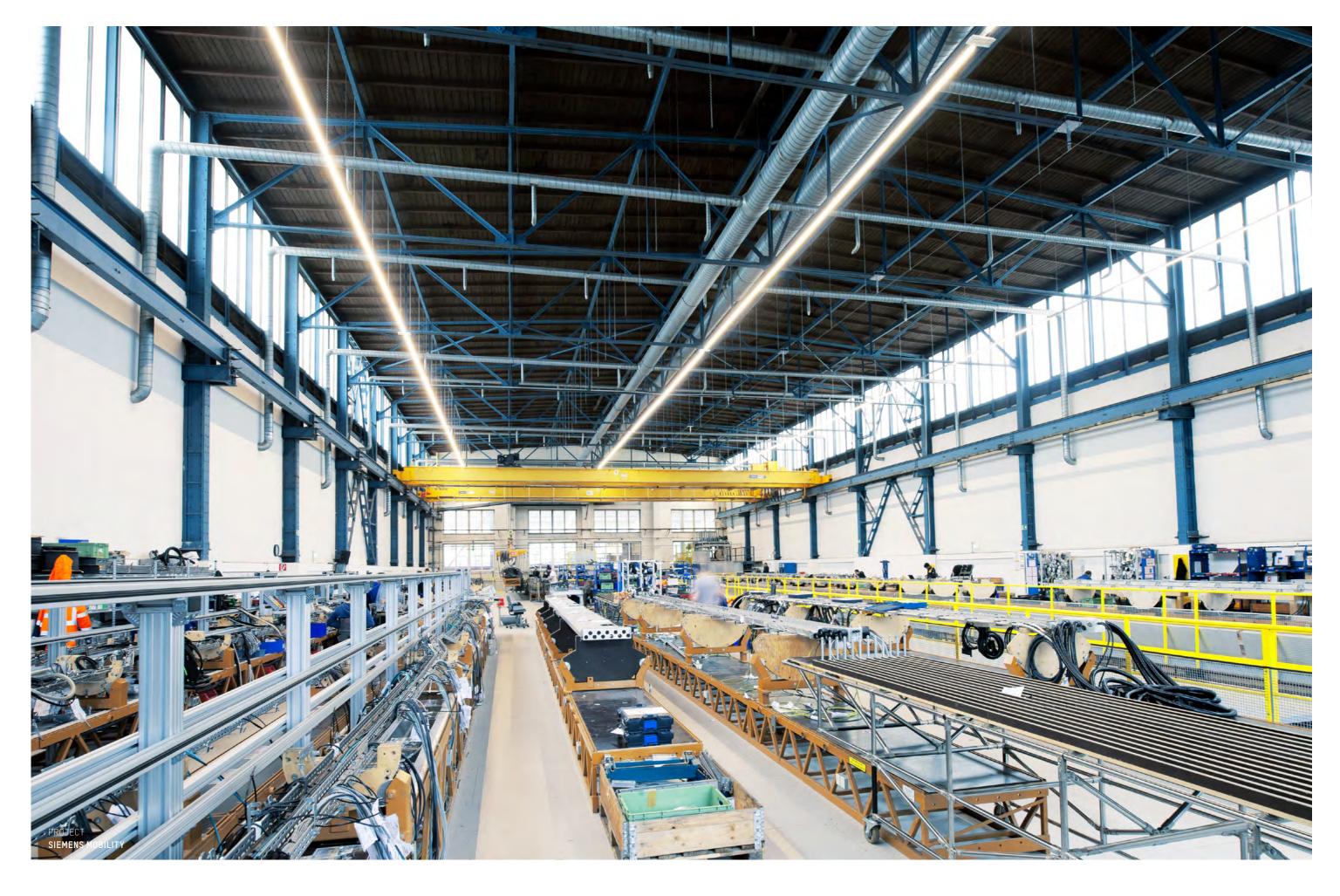
WIRING



7-pole rail DALI-2 light 8 motion control





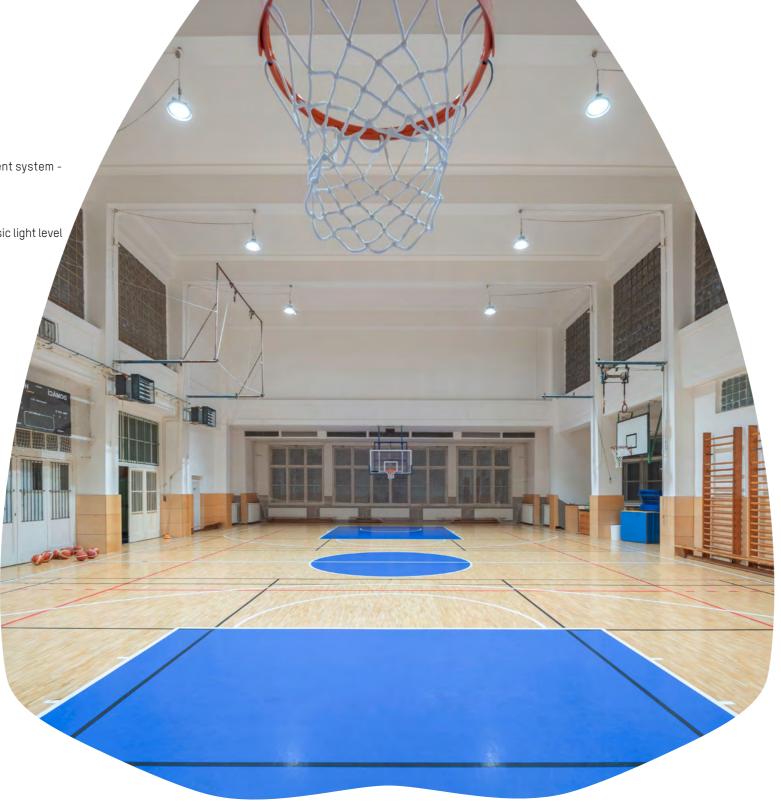


Standalone light control concept

- Up to 90% energy saving
- Full functionality without central light management system no programming required
- Includes DALI bus power supply
- Bluetooth Mesh network
- Constant-light control, any selectable main and basic light level
- Up to 16 DALI LED drivers can be connected
- Commissioning and control via free APP

TUNE product details









Gym

	original installation	new installation	
Operating data			
Lighting system	HQL 400 W	TUNE High Bay	
Number of luminaires	16 units	16 units	
Rated input power	440 W	98 W	
Total input power	7040 W	1568 W -78%	
Illumination level Em	300 lx	308 lx	
CO ₂ emission (year)	11.9 tones	1.9 tones -84%	
Operational costs/year			
Total power consumption	26,400 kWh	4116 kWh	
Energy costs*	€13,200	€2058 -84%	
*Assuming an average electricity price of 0.5 Euro per kWh			

Payback calculation

€6638 Investment costs including installation €11,142 Energy costs saving/year

> Payback time: 0.6 years

TUNE CASE STUDY TUNE CASE STUDY

TUNE



SIZES

Ø 280 / 360 mm

EFFICACY

up to 160 lm/W

RATED SERVICE LIFE

up to 70,000h L80 B10

AMBIENT TEMPERATURE

-30°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

4000K / 6500K

LUMEN OUTPUT

10,980-27,250 lm

LIGHT CONTROL





TUNE highbays are fitted with ON/OFF and DALI-2 D4i ballasts for different control options. TUNE Highbay with DALI-2 D4i EVG provides a wide range of lighting, energy and diagnostic data in a standardised file format.

BEAM ANGLE



The patented honeycomb optics guarantee outstanding visual comfort (UGR<22/25) and a high impact resistance of IK10 (PC cover), IK08 (glass cover).

MOUNTING OPTIONS

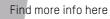






WALL/CEILING BRACKET

SUSPENSION EYELET





TUNE

TUNE MASTER



SIZES

Ø 280 / 360 mm

EFFICACY

up to 160 lm/W

RATED SERVICE LIFE

up to 70,000h L80 B10

AMBIENT TEMPERATURE

-30°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

4000K / 6500K

LUMEN OUTPUT

10,980-30,030 lm

LIGHT CONTROL

DALI-2 D4

TUNE MASTER are fitted with DALI-2 D4i ballasts for different control options and makes use of Bluetooth Mesh DALI-2 sensors with constant-light control, high-precision motion detection, circular 360° (3360) or square (345) detection areas, and wireless communication

BEAM ANGLE



The patented honeycomb optics guarantee outstanding visual comfort (UGR<22/25) and a high impact resistance of IK10 (PC cover), IK08 (glass cover).

MOUNTING OPTIONS



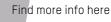




EYELET

WALL/CEILING BRACKET

SUSPENSIO





TUNE MASTER

TUNE EXTENSION IP65



SIZES

Ø 280 / 360 mm

EFFICACY

up to 160 lm/W

RATED SERVICE LIFE

up to 70,000h L80 B10

AMBIENT TEMPERATURE

-30°C to 50°C

The aluminium structure guarantees excellent heat dissipation, thereby enabling high efficiency, a long service life and usage at high ambient temperatures.

COLOUR TEMPERATURES

4000K / 6500K

LUMEN OUTPUT

10,980-30,030 lm

LIGHT CONTROL

DALI-2 D4i

TUNE EXTENSION are fitted with DALI-2 D4i ballasts for different control options. Bluetooth Mesh communication with TUNE Sensor Master.

BEAM ANGLE



The patented honeycomb optics guarantee outstanding visual comfort (UGR<22/25) and a high impact resistance of IK10 (PC cover), IK08 (glass cover).

MOUNTING OPTIONS







TRAIL ADAPTER

WALL/CEILING BRACKET

SUSPENSION EYELET

Find more info here



TUNE EXTENSION

ACCESSORIES





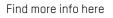
MOUNTING BRACKET



REFRACTOR FOR TUNE S



CHAIN





ACCESSORIES TUNE S



ACCESSORIES TUNE M



TUNE ACCESSOIRES

PROJECT TUNE



underground carpark

original installation new installation Operating data T8 2x36 W 30NE Basic Lighting system 100 units Number of luminaires 100 units Rated input power 64 W 38 W 6400 W 3800 W Total input power 207 lx Illumination level Em 150 lx CO₂ emission (year) 5.1 tones 1.5 tones -70% Operational costs/year 23,040 kWh 6840 kWh Total power consumption €11,520 €3420 -70% Energy costs* *Assuming an average electricity price of 0.5 Euro per kWh

Payback calculation

€19,320 Investment costs including installation Energy costs saving/year €8100

> Payback time: **2.39 years**



• Trail rail as backbone base

• Illumination level meets the new standard EN 12464-1:2021

• Up to 70% saving due to optimal combination of luminaires and motion sensors

• Commissioning and control via free APP

Details 30NE



30NE CASE STUDY 30NE CASE STUDY

30NE



1277 / 1577 mm

EFFICACY

up to 164 lm/W

RATED SERVICE LIFE

up to 50,000h L80 B10

AMBIENT TEMPERATURE

-20°C to 40°C

FEATURES

- Silicone sealing gasket high resistance for heavy industrial applications (IP66)
- 5-poles terminal block, max. 2.5 mm² or through wiring 3x / 5x2.5 mm²
- Variants with single battery kit and high frequency sensor available on request
- Very stable GRP housing (glass-reinforced polyester)

COLOUR TEMPERATURES

40001

Other colour temperatures are available on request.

LUMEN OUTPUT

4000-12,700 lm

LIGHT CONTROL







30NE is available with ON/OFF, multi-lumen and DALI ballasts for different control options.

BEAM ANGLE



The PMMA or PC covers with a unique light transmission (93%) create outstanding visual comfort.

MOUNTING OPTIONS



TRAIL RAIL





CEILING

HOOK FOR SUSPENSION

Find more info here



30NE BASIC



LENGTHS

1277 / 1577 mm

EFFICACY

up to 140 lm/W

RATED SERVICE LIFE

up to 50,000h L80 B10

AMBIENT TEMPERATURE

-20°C to 35°C

FEATURES

- Non-aging PU (polyurethane) sealing gasket high resistance for standard applications (IP66)
- 3-poles terminal block, max. 2.5 mm² or through wiring 3x / 5x1.5 mm²
- Variants with single battery kit and high frequency sensor available on request
- Very stable GRP housing (glass-reinforced polyester)

COLOUR TEMPERATURES

3000K / 4000K

Other colour temperatures are available on request.

LUMEN OUTPUT

3200-7000 lm

LIGHT CONTROL







30NE is available with ON/OFF, multi-lumen and DALI ballasts for different control options.

BEAM ANGLE



The PMMA or PC covers with a unique light transmission (93%) create outstanding visual comfort.

MOUNTING OPTIONS







TRAIL RAIL

CEILING BRACKET

HOOK FOR SUSPENSION

Find more info here

30NE BASIC

30NE BASIC

30NE VISION



LENGTHS

1277 / 1573 mm

EFFICACY

up to 145 lm/W

RATED SERVICE LIFE

up to 50,000h L80

AMBIENT TEMPERATURE

-25°C to 40°C

FEATURES

- Non-aging PU (polyurethane) sealing gasket high resistance for standard applications (IP66)
- 3-pole terminal block, max. 2.5 mm² or through wiring 3x / 5x1.5 mm²/5x2.5 mm²
- Variants with single battery kit and high frequency sensor available on request
- Transparent PC housing (polycarbonate) with stainless steel fastening clips

COLOUR TEMPERATURES

Other colour temperatures are available on request.

LUMEN OUTPUT

4000-6000 lm

LIGHT CONTROL

ON/OFF

Multilumen



30NE is available with ON/OFF, ON/OFF multi-lumen and DALI ballasts for different control options.

BEAM ANGLE



Transparent PC housing with a high indirect component provides the ideal solution for underground car parks. Available on request with primary optics that can optimise the light control, depending on the application.

MOUNTING OPTIONS





CEILING BRACKET HOOK FOR SUSPENSION

Find more info here



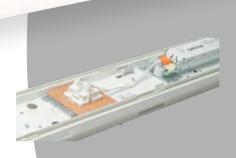
30NE VISION 30NE VISION

30NE SPECIAL PERFORMANCE

ACCESSORIES



30NE SKII



30NE SKII



30NE H&L



30NE EXTREME



30NE OUTDOOR



TRAIL TRUNKING RAIL WITHOUT WIRING





ROPE FIXATION



BLIND COVER

Find more info here



30NE SKII



30NE H&L



30NE EXTREME



OUTDOOR

Find 30NE accessories here





TIGO

LENGTHS

1192 / 1492 mm

EFFICACY

up to 133 lm/W

RATED SERVICE LIFE

up to 50,000h L80 B10

AMBIENT TEMPERATURE

-20°C to 35°C

FEATURES

- Tool-free connection via pull-out tray for simple and quick installation
- 3-pole terminal block, max. 2.5 mm² or through wiring 3x / 5x 1.5 mm²

COLOUR TEMPERATURES

Other colour temperatures are available on request.

LUMEN OUTPUT

HIGH EFFICACY 3250-6500 lm

LIGHT CONTROL





TIGO is available with ON/OFF and DALI ballasts for different control options.

BEAM ANGLE



The solid PC housing enables excellent light transmission and glare elimination.

MOUNTING OPTIONS





CEILING BRACKET

HOOK FOR SUSPENSION

