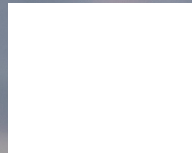# SWITCH NOW

In this catalogue you will find the solutions.

The Light Group

> **Fortunately, there are good alternatives to fluorescents light that are both cost-effective and environmentally friendly.**

What is the RoHS Directive?
- and how is it going to affect you?

Expired

Expired

Expired

The Restriction of Hazardous Substances (RoHS) Directive is an EU initiative that aims to reduce the environmental impact of electrical and electronic devices, including lighting solutions. This policy restricts harmful substances like lead, mercury, and cadmium, thereby contributing to human health and environmental protection. The directive limits the use of such hazardous materials and encourages the responsible collection and recycling of electronic equipment.

The new regulations will now prohibit manufacturing and importing several traditional light sources within the EU, including commonly used fluorescent tubes like T8, T5, and compact fluorescent lamps (CFLs). If your current lighting systems utilise mercury-containing light sources, immediate action is required. Due to the brief lifespan and diminishing availability of fluorescent light sources, the clock is ticking.

Fortunately, there are good alternatives to fluorescents that are both cost-effective and environmentally friendly
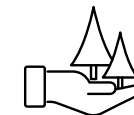
At The Light Group, we have the expertise and products to guide you through a smooth transition to LED lighting. Our innovative, sustainable LED fixtures are designed to meet regulatory standards and enhance your lighting quality— making it brighter and more cost-efficient than ever before.

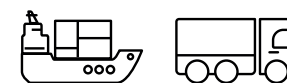**Contact us today to discuss your project.**

project@tlg.no

In Summary

The RoHS directive is in place to protect the environment and human health from hazardous substances, including mercury.

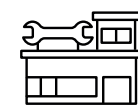The ban and the short lifespan of fluorescent lamps require quick action.

The ban applies to the import and manufacture of light sources within the EU.

In the business sector, the replacement requirement will be significant; millions of fixtures will be in need of replacement.

Low maintenance
Cost-Saving
Energy-Saving
Environmentally friendly
Efficient

Energy-Intensive
More maintenance required
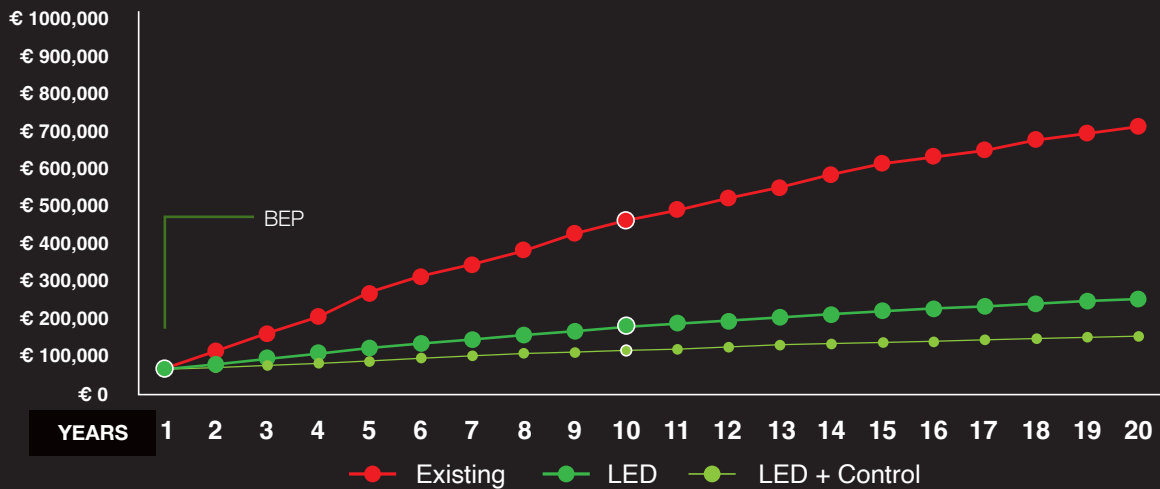Less efficient
Expensive to operate

We help you to find the right solution

How much can I save?

Use our calculation tools to find the right fixtures for your replacement project. See how much electricity you can save and when your investment will pay for itself.
Note: It's faster than you think!

We have used an average price of 0,40 EUR per kWh for the examples in this brochure.

BEP

€ 1000,000
€ 900,000
€ 800,000
€ 700,000
€ 600,000
€ 500,000
€ 400,000
€ 300,000
€ 200,000
€ 100,000
€ 0

YEARS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

● Existing   ● LED   ● LED + Control

BEP: Break Even Point

How we calculated it:

Average cost: per kWh is consistent across all bases.
Usage time: Variable and specified under each base.
Annual interest rate: 6%

Existing solution: Includes operating and maintenance costs, but not previous investment costs.
New solution: Includes operation and maintenance costs and investment costs.

New solution with control: Here we have included a variable for presence-based lighting control that encompasses the entire system. This factor will vary from system to system, depending on the application.

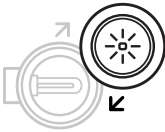## We are ready to do a custom calculation for your project!

There are many options
- we have the solutions

1:1 Replacement
We can help you find the right LED fixtures for the best possible return on investment.

Don't delay replacement
This is where you can save money the first hour after replacment.

Control
Save even more power and money by connecting your system to a sensor.

Reduce the number of fixtures
Our project department can help you with a new and efficient lighting plan.
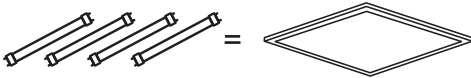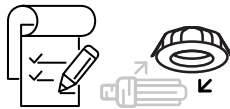
New technologies
Upgrade your entire lighting control to newer technologies.

Don't do everything at once
We can help you develop a plan for phasing out your system.

SR-Bank
Lighting supplied by The Light Group.
Scan the QR code to see more from this project.

Customer Reference

Rema 1000 Distribution Warehouse

Buråsen 35, 4636 Kristiansand S, Norway

Rema 1000's distribution center in Sørlandsparken has replaced more than 300 old 400W luminaires with energy-efficient 150W LED luminaires from The Light Group. This has resulted in significant savings on the electricity bill.

Rema 1000's distribution center in Sørlandsparken has made a significant move towards sustainability and energy efficiency by replacing over 300 outdated 400W light fixtures with state-of-the-art, energy-efficient LED fixtures from The Light Group. This initiative has resulted in considerable savings on electricity expenses and a more environmentally friendly warehouse.

Jan Tore Kydland, Operations Manager, mentioned that the new LED fixtures deliver equivalent illumination while consuming only 150W of power. "After reviewing the LCC calculation and the potential savings from making the switch, there was no doubt that we should proceed with the change," Kydland stated.

Besides the electricity savings, the LED fixtures also positively impact the warehouse's refrigeration system, as they do not emit any heat towards the refrigeration units. This lack

of heat emission doubles the benefits and leads to further reductions in energy consumption. Kydland emphasizes Rema 1000's dedication to discovering innovative solutions to decrease energy consumption and enhance sustainability. "Our next step will be to install control systems to conserve even more energy," he added.

The Light Group's LED fixtures exemplify how contemporary technology can promote energy efficiency and sustainability in today's business landscape. Rema 1000's distribution center in Sørlandsparken is setting a precedent for other companies looking to lower their energy consumption, save money, and adopt more eco-friendly practices.

Where: Rema 1000 Distribution Warehouse in Sørlandsparken, NO
Product: Vector 150W (SCL8801)
Installer: OneCo Elektro, Kristiansand, NO
Distributer: Lyskomponenter AS
Producer: The Light Group

Jan Tore Kydland

Operations manager
Rema 1000 Distribution
Kristiansand, Norway

Contact us to customize your solution.
project@tlg.no // www.tlg.no

LCC (LIFE-CYCLE COST) CALCULATION

BEP

| YEARS | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 |

● Existing   ● LED   ● LED + Control

BEP: Break Even Point

Solutions for
Warehouses
Productions | Factories

LED -61% kWh

LED+ **-77% kWh

Example of savings when replacing to LED lighting

In this example, we replace 100 pcs. 400W High-Pressure Sodium luminaires with 100 pcs. Vector 150W
Existing: Consumption: 445W (+12% reactor loss) / Lumen output: 29,000 lm (settled 35%) / Lifetime: 16,000 hours
New solution: Consumption: 150W / Lumen output: 27,000 lm / Lifetime: 100,000 hours (L86B20)

	Existing solution	New solution	New solution & control
Number of luminaires	100 pcs.	100 pcs.	100 pcs.
*Net cost 10 years	€ 584.446	€ 229.098	€ 136.293
Difference in percentage		-61%	-77%
Difference in €		- € 355.347	- € 448.152
Energy use/year (kWh)	161 980 kWh	54 600 kWh	27 300 kWh
Electricity cost/year	€ 56.354	€ 18.995	€ 9.497

Basis: Average cost of € 0,35 per kWh. Usage time: 14 hours per day / 260 days a year. *Annual interest rate 6%
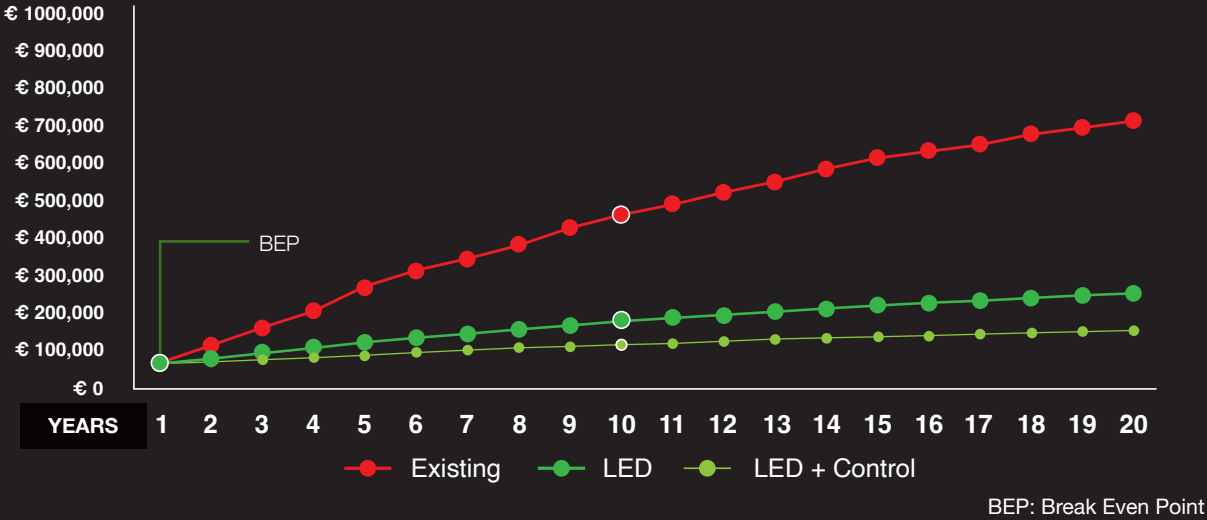**Existing solution:** Includes operating and maintenance costs, but not previous investment cost.
New solution: Includes operating and maintenance costs, as well as investment costs. **Presence factor light control:** 50%

PROPOSAL FOR NEW LED LUMINAIRES

Vector

SLC Vector has a slim design in a robust die-cast body. It's made for a rough environment with IP65 and IK10 protection. This high bay luminary is easy to install and could be mounted with a bracket or suspended with a chain. The lightweight body offers excellent heat dissipation to ensure a long lifetime and low maintenance. SLC Vector is the perfect choice in harsh environments with the need for a lot of light.

- High Lumen Output
- High Efficiency
- Low maintenance
- Long lifetime
- Flicker Free
- On/Off (Not dimmable)
- Sensor options

Up to 182 lm/W

SLC Scandinavian Lighting Concept

Vector
Ø: 262 / 300 / 336 H:102 mm
120° | IK10

Material:	Aluminium
Shielding:	Polycarbonate
Dimensions:	Ø: 262/300/336 mm / H:102 mm
Color tolerance:	MacAdam 3
Color render:	CRI>80
Installation:	Surface-mounted ceiling/wall, suspended
Connection:	1.5 meter cable with free end
Operating temperature:	-30°C to +50°C
Expected lifetime:	(L86B20) 100.000 hours at Ta 35°C

Art. no.	Articles				
SLC8800	SLC Vector 262	18800 lm	104W	182 lm/W	○ 4000K
SLC8801	SLC Vector 300	27000 lm	149W	182 lm/W	○ 4000K
SLC8802	SLC Vector 336	35700 lm	196W	182 lm/W	○ 4000K

Art. no.	Accessories
SLC8830	Cable splice 2m 230V 3P
SLC8831	Cable splice 2m Signal 2P
SLC8805	Chains 1,5m Force/Vector
SLC8806	Adjustable bracket for Ø:262 mm
SLC8807	Adjustable bracket for Ø:300 mm
SLC8808	Adjustable bracket for Ø:336 mm
SLC8803	Sensor
SLC8804	Remote control for the sensor
SLC8809	Vector 262 - Shade Polycarbonate Clear
SLC8811	Vector 262 - Alu shade Black

Contact us to customize your solution.

Force

SLC Force is the ultimate high-performance High-Bay LED fixture designed for demanding industrial environments. With a staggering 190 lm/w output, this lightweight yet robust luminaire delivers exceptional illumination efficiency.
DALI Version is equipped with a cutting-edge Dali driver, it offers seamless dimming.

• High Lumen Output
• High Efficiency
• Low maintenance
• Long lifetime
• Flicker Free
• On/Off (Not dimmable)

Up to
190
lm/W

Material:	Aluminium
Shielding:	Polycarbonate
Dimensions:	Ø: 301 H:170 mm
Color tolerance:	MacAdam 3
Color render:	CRI>80
Installation:	Surface-mounted ceiling/wall, suspended
Connection:	1.5 meter cable with free end
Operating temperature:	-30°C to +50°C
Expected lifetime:	(L80B10) 100.000 hours at Ta 55/25°C

Art. no.	Accessories
SLC8830	Cable splice 2m 230V 3P
SLC8831	Cable splice 2m Signal 2P
SLC8805	Chains 1,5m Force/Vector
SLC8825	Adjustable bracket
SLC8824	Aluminium reflector
SLC8823	Diffusors PC 200

Art. no.	Articles
SLC8820	SLC Force DALI 38000 lm 200W 190 lm/W ○ 4000K

Solutions for

Animal farms

Car washes | Food industry factories

Example of savings when replacing to LED lighting

LED -50% kWh

In this example, we replace 50 pcs. 2 x 58W T8 luminaires with 50 pcs. Lava 50W

Existing: Consumption: 129W (+12% reactor loss) / Lumen output: 6,760 lm (settled 35%) / Lifetime: 12,000 hours
New solution: Consumption: 50W / Lumen output: 7,500 lm / Lifetime: 100,000 hours (L80B10)

	Existing solution	New solution
Number of luminaires	50 pcs.	50 pcs.
*Net cost 10 years	€ 158.094	€ 78.877
Difference in percentage		-50%
Difference in €		-€ 79.217
Energy use/year (kWh)	42 672 kWh	16 425 kWh
Electricity cost/year	€ 14.843	€ 5.713

Basis: Average cost of € 0,35 per kWh. Usage time: 18 hours per day / 365 days a year. *Annual interest rate 6%
Existing solution: Includes operating and maintenance costs, but not previous investment cost.
New solution: Includes operating and maintenance costs, as well as investment costs.

Lava

SLC Lava is an LED Tubular light offering unparalleled flexibility for various applications. Designed to withstand the harshest environments, the Lava is suitable for use in animal farms, swimming pools (chlorine gas), chemical factories, car washes, food industry factories, and more.

- IP69K for protection against water pressure of 100 bar (1450 psi) and temperatures up to 80°C
- Connection in nipple at the end, comes pre-connected with 2m rubber cable
- Anti-corrosion
- 150lm/W
- Mounting brackets included
- Suitable for animal farms, swimming pools (chlorine gas),
- chemical factories, car washes, food industry factories
- **HACCP approved**

IP69K | 100bar/1450psi | CORROSION RESISTANCE

220-240V 50/60Hz | IP 69K | IK 06 | 100 000 L80B10 | 120° | CRI 80+ | SDCM 3 | -30°C +50°C

Material:	Plastic
Beam Angle:	120 ° Open beam/diffuse °
Dimensions:	L: 1390 mm / Outer diameter: 84 mm
Color tolerance:	SDCM3
Color render:	80-89
Installation:	Surface
Connection:	Free conductor end
Operating temperature:	-30°C to +50°C
Expected lifetime:	(L80B10) 100.000 hours at Ta 55/25°C

Art. no	Articles	Colour temperature	Power	Luminous flux	Efficacy
SLC8950	SLC Lava	○ 4000K	50W	7500lm	150lm/W

Contact us to customize your solution.

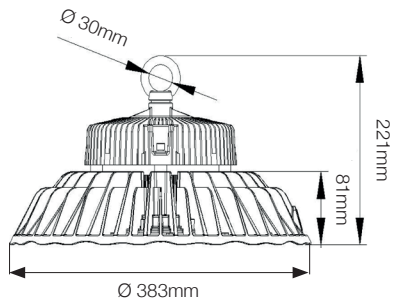# Raptor ⚽

- Low glare UGR<19
- IP65
- Lifetime: L80B10 - 100,000 hours
- Supplied with free ends
- Suspended directly from the ceiling or with a chain
- Applications: sports facilities and multi-purpose halls
- Ball tested - approved ball luminaire

UGR <19

DALI 2

| LED | 220-240V 50/60Hz | IP 65 | IK 10 | 4000 K | | | | 100 000 L80B10 | ⚠ | DBV |

Material:	Aluminium
Shielding:	Polycarbonate
Dimensions:	Ø:383 H:211 mm
Impact resistance:	IK10
Color tolerance:	SDCM3
Beam angle:	80°
Installation:	Surface-mounted
Connection:	1.5m cable free end
Expected lifetime:	(L80B10) 100,000 hours

Ø 30mm
221mm
81mm
Ø 383mm

Art. no.	Article
SLC8940	Raptor Dali Ø:383 mm 26000 lm 200W 130 lm/W ◯ 4000K

Art. no.	Accessories
SL8941	Adjustable bracket
SL8805	Chain 1.5m

Did you know

...that we have ball-proof luminaires for your facility.
Get in touch and we'll help you.

Contact us to customize your solution.
project@tlg.no // www.tlg.no
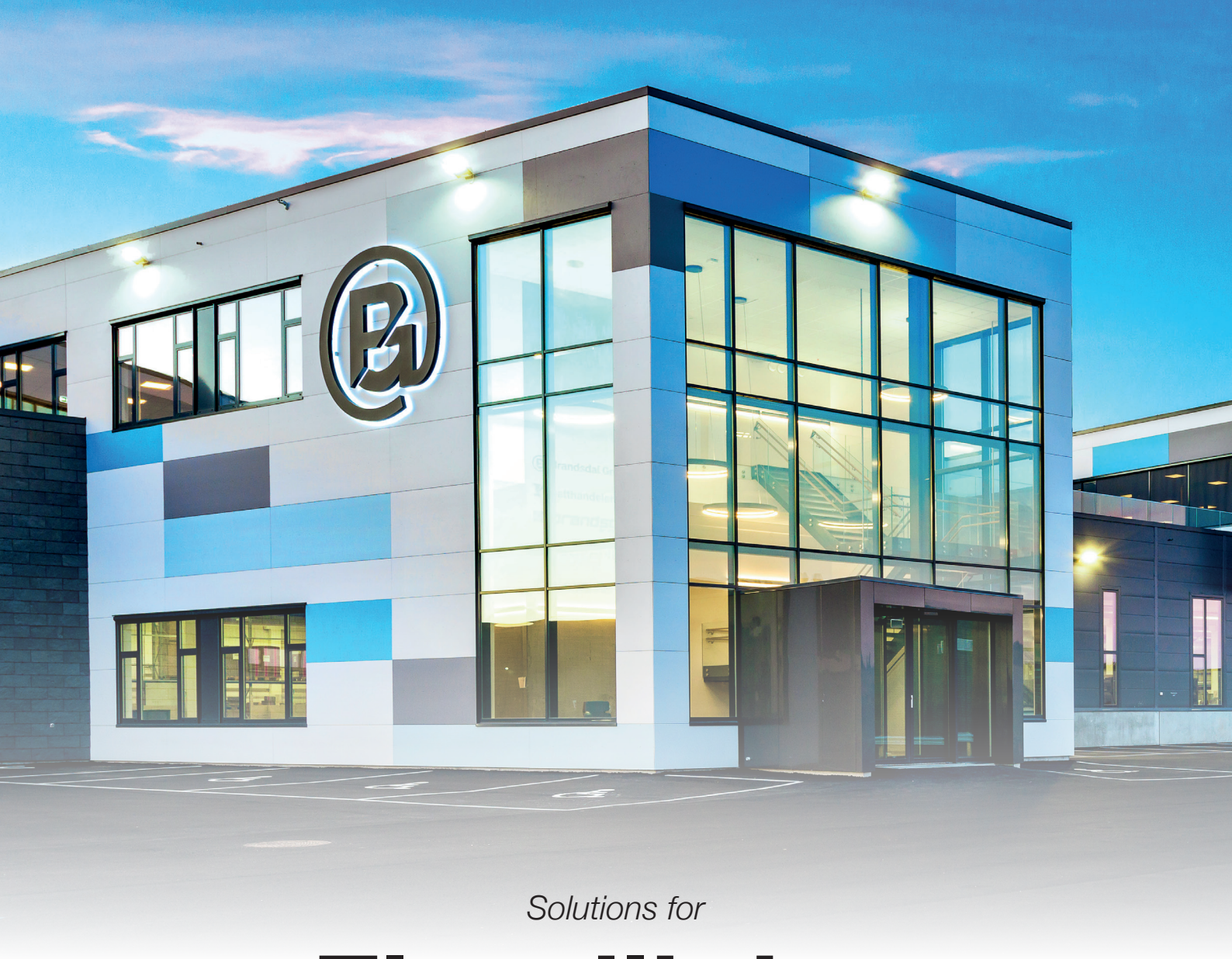
Solutions for
Floodlights
Portlights │ Outdoors

LED -61% kWh

Example of savings when replacing to LED lighting

In this example, we replaced 50 pcs. 250W Mercury-vapor lamp with 50 pcs. SLC Lite 100W

Existing: Consumption: 280W (+12% reactor loss) / Luminous flux: 13.000 lm (derated 35%) / Lifetime: 35.000 hours
New solution: Consumption: 100W / Luminous flux: 12.500 lm / Lifetime: 100.000 hours (L80B10).

	Old solution	New solution
Number of fixtures	50 pcs.	50 pcs.
*Net cost for 10 years	€ 217.531	€ 85.170
Percentage difference		-61%
Difference in EUR		-€ 132.360
Annual energy consumption (kWh)	61 320 kWh	21 900 kWh
Annual operating cost	**€ 21.295**	**€ 7.605**

Basis: Average cost of € 0.34 per kWh. **Usage time:** 12 hours per day / 356 days a year. *Annual interest rate 6%
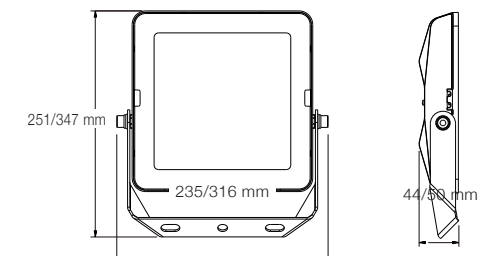**Existing solution:** Includes operating and maintenance costs, but not previous investment cost.
New solution: Includes operating and maintenance costs, as well as investment costs

Lite │ Flood

SLC Scandinavian Lighting Concept

SLC Lite is a cost-effective floodlight with good light output and solid build quality. The luminaire can be used for outdoor lighting of: garage doors, goods receptions, waste areas, bicycle parking, courtyards, alleys, and similar areas. It comes pre-installed with a 1-meter cable and a Schuko plug.

251/347 mm
235/316 mm
44/56 mm

220-240V 50/60Hz | IP 66 | IK 07 | 90° | -30°C +50°C | CRI 70+ | SDCM 3 | 100 000 L80B10

Art. no.	Articles	Colour	Colour temperature	Power	Luminous flux	Efficacy
SLC1430	SLC Lite 50W	Black	4000K	50W	6250 lm	125 lm/w
SLC1431	SLC Lite 100W	Black	4000K	100W	12500 lm	125 lm/w

Contact us to customize your solution.

Solutions for
Common area
Office | Educational | Hallways

LED -52% kWh

Example: Light Energy Calculation

In this example, we replace 36 pcs. 1x26W Compact fluorescent tube fixtures with 36 pcs. 10W SLC Essentia
Existing: Power consumption: 30W (+12% reactor loss) / Luminous flux: 1.050 lm (adjusted 35%) / Lifetime: 12.000 hours.
New solution: Power consumption: 10W / Luminous flux: 950lm / Lifetime: 50.000 hours (L90B10).

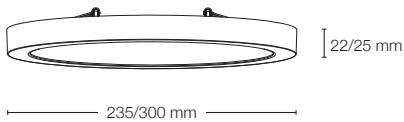|	Old solution	New solution
Number of fixtures	36 pcs.	36 pcs.
*Net cost for 10 years	€ 14.677	€ 7.016
Percentage difference		-52%
Difference in EUR		-€ 7.660
Annual energy consumption (kWh)	3 931KWh	1 310KWh
Annual operating cost	**€ 1.365**	**€ 455**

Basis: Average cost of € 0.34 per kWh. **Usage time:** 14 hours per day / 260 days a year. *Annual interest rate 6%
Existing solution: Includes operating and maintenance costs, but not previous investment cost.
New solution: Includes operating and maintenance costs, as well as investment costs

Essentia

SLC Scandinavian Lighting Concept

SLC Essentia is a LED dimmable downlight with adjustable cutout size (Ø: 65-205mm) - the perfect solution for replacing old fluorescent fixtures. With its high-lumen output and efficient lighting design, this downlight provides even illumination while consuming minimal energy.
Its slim design, internal driver, and quick connector make installation a breeze.

- LED dimmable downlight with adjustable cutout size (Ø: 65-260mm)
- Perfect for replacing old fluorescent fixtures
- Choose between Ø235 or Ø300
- High-lumen output and efficient lighting design
- Colour temperature Switch (2700K/3200K/4000K)
- Choose between 3 power settings (Non-dim only)

22/25 mm

235/300 mm

200-240V 50/60Hz | IP20 | IK06 | ⚠ 120° | CRI 80+ | SDCM 3 | ▢ | -20°C +40°C | 50 000 L90B10

Cut-out hole
Deckenausschnitt
65/120 - 205/260 mm

Rehab friendly //
Reha-freundlich

Art. no.	Articles		Colour	Colour temperature	Power	Luminous flux	Efficacy
SLC1500	SLC Essentia Ø235		White	2700K / 3200K / 4000K	16W	1400-1700 lm	106 lm/W
SLC1501	SLC Essentia Ø235		White	2700K / 3200K / 4000K		950-1700 lm	
SLC1502	SLC Essentia Ø300		White	2700K / 3200K / 4000K	22W	2200-2600 lm	118 lm/W
SLC1503	SLC Essentia Ø300		White	2700K / 3200K / 4000K		1500-2600 lm	

Adjustable springs (65-205 mm) that adapt to existing cut-out holes

2700K
3200K
4000K
DIP-switch
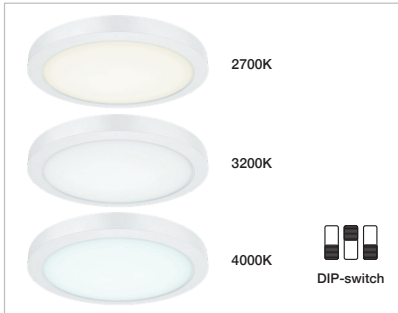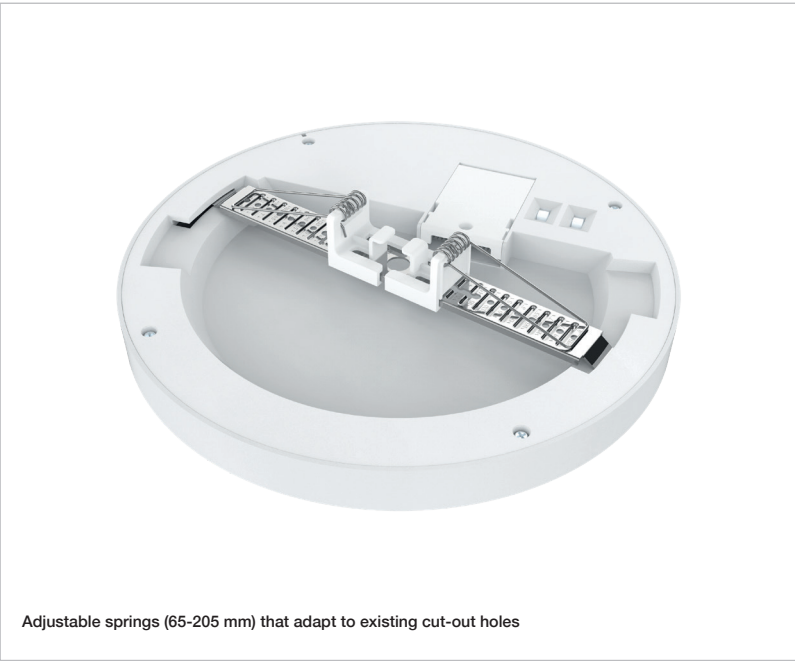
Contact us to customize your solution.
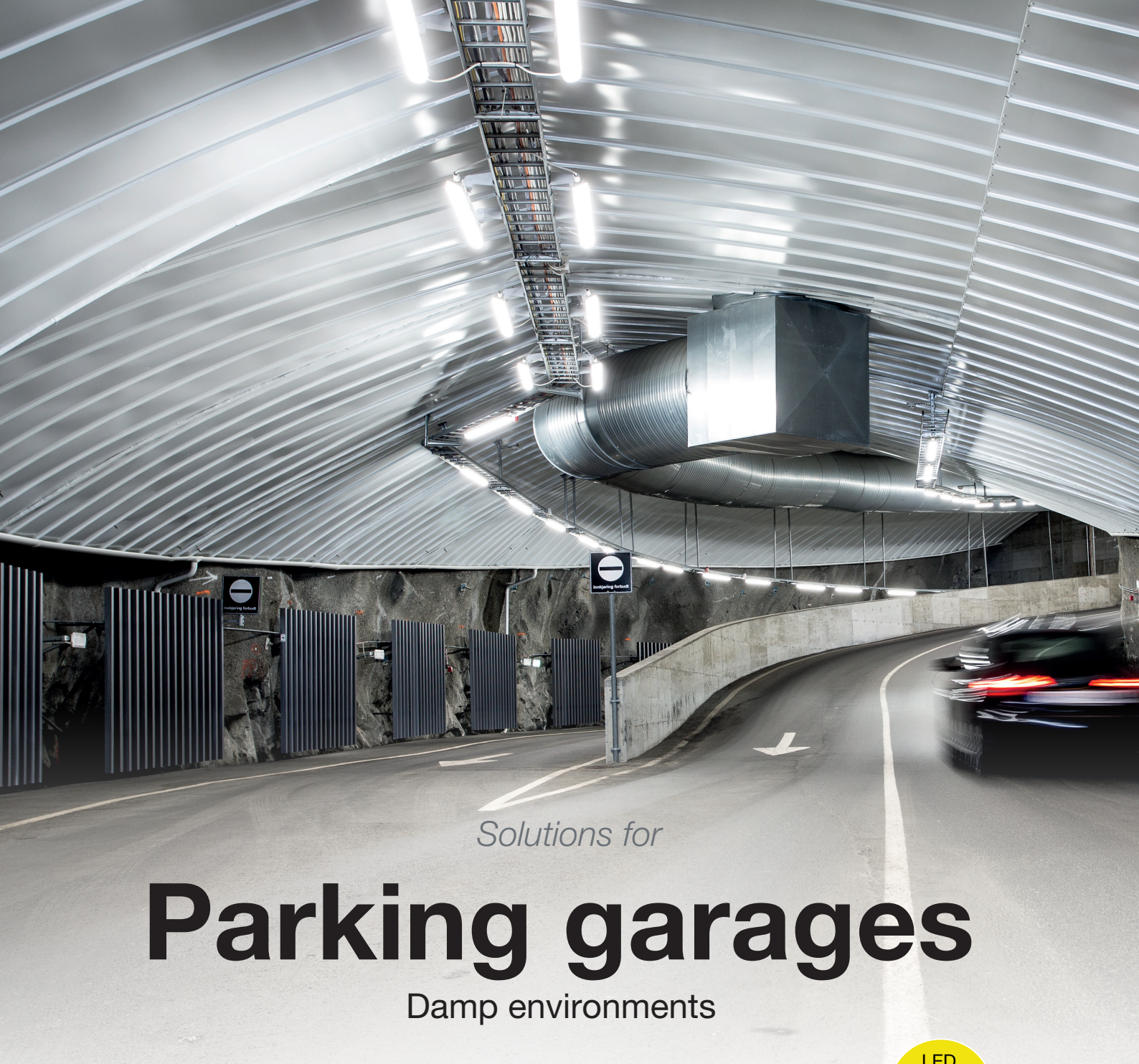
Solutions for
Parking garages
Damp environments

LED -72% kWh

Example: Light Energy Calculation

In this example, we exchange 100 pcs. 2x54W T5 with 100 pcs. SLC Beam 30W

Existing: Consumption: 110W (+12% reactor loss) / Luminous flux: 5.785 lm (derated 35%) / Lifetime: 20.000 hours
New solution: Consumption: 30W / Luminous flux: 4.800 lm / Lifetime: 100.000 hours (L90B50).

	Existing solution	New Solution
Number of fixtures	100 pcs.	100 pcs.
*Net cost for 10 years	€ 267.560	€ 75.269
Percentage difference		-72%
Difference in EUR		-€ 192.291
Annual energy consumption (kWh)	71 280 kWh	19 440 kWh
Annual operating cost	**€ 24.936**	**€ 6.800**

Basis: Average cost of € 0.35 per kWh. **Usage time:** 18 hours per day / 360 days a year. *Annual interest rate 6%
Existing solution: Includes operating and maintenance costs, but not previous investment cost.
**New solution:** Includes operating and maintenance costs, as well as investment costs.

Beam

SLC Scandinavian Lighting Concept

Thanks to the ultra-slim design, **SLC Beam** has a uniform light distribution and wide beam angle. Patent pull-out endcap design makes it extremely fast and easy to install without the need for additional tools. SLC BEAM is the ideal solution for a wide range of applications. It can be used everywhere, from a low racked warehouse to a garage or a tool shack.

160 lm/W

- Tool-free and fast installation
- It can be installed directly in the ceiling or suspended with a wire kit (ordered separately)
- Through-wiring 3 x 2,5mm2
- High efficiency with up to 160lm/W
- Modular and integrated design for maintenance
- Flicker-free

| LED | 220-240V 50/60Hz | IP 65 | IK 08 | 4000 K | 120° |

Material:	Polycarbonate
Dimensions:	L:1500 W:57 H:55 mm
Color tolerance:	MacAdam 3
Color render:	CRI>80
Installation:	Surface mounted
Connection:	3-pole quick clamp at each end
Operating temperature:	-20°C to +40°C
Expected lifetime at 25°C:	(L90B50) 100.000 hours

55 / 57 / 1500
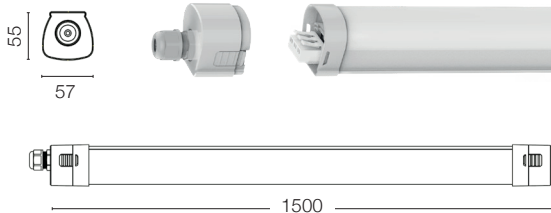
Art. no.	Length	Luminous flux	Power	Efficacy	Colour temperature
SLC8902	1500 mm	4800 lm	30W	160 lm/W	4000K

Contact us to customize your solution.

UCL

SLC UCL is the perfect choice for upgrading old fluorescent lighting to LED. Designed specifically for electricians, this flexible and slim LED light makes installation fast and easy. With 5 wire through wiring, it can be connected left, right, or in the middle. It's also suitable for surface, rails mounting, horizontal or suspended mounting. The adjustable CCT 3000K/4000K with DIP switch allows you to customize the lighting to your preference. High efficiency up to 130lm/W and flicker-free. Choose the SLC Universal Ceiling Light for your next rehab project.

- With 5 wire through wiring
- Connection point left, right, or in the middle
- Adjustable CCT 3000K/4000K with DIP-switch
- Choose between 3 power settings
- High efficiency up to 130lm/W and flicker-free

LED · IP44 · 3000K · 4000K · 200-240V 50/60Hz · 120° · 100 000 L80B10 · IK07 · SENSOR

1200/1500mm
1044/1344mm
135mm
50mm

Material:	Painted steel
Shielding:	Opal polykarbonat
Dimensions:	Opal polycarbonate
Color tolerance:	MacAdam 3
Color render:	CRI>80
Connection:	Direct
Expected lifetime:	(L80B10) 100.000 hours
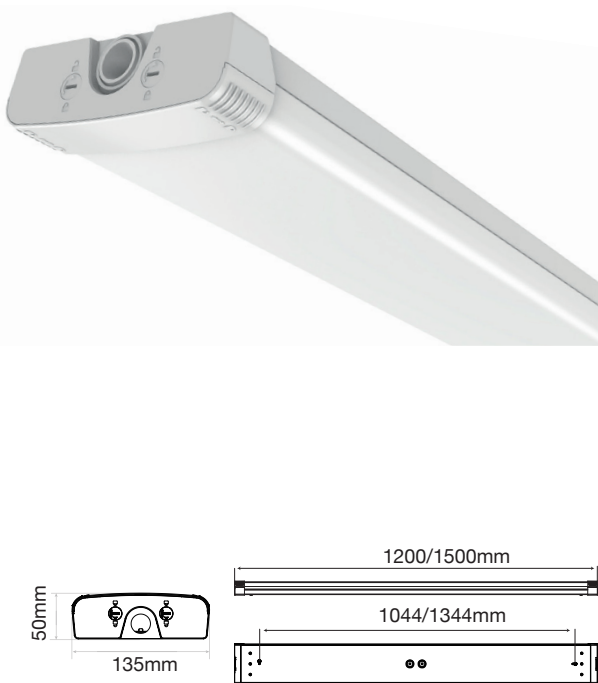
Art. no.	Colour	Length	Luminous flux	Power	Colour temperature		Sensor
SLC1520	○ White	1200 mm	2860-5070 lm	22-39W	● 3000K	○ 4000K	--
SLC1521	○ White	1500 mm	3770-6760 lm	29-52W	● 3000K	○ 4000K	--
SLC1522	○ White	1200 mm	2860-5070 lm	22-39W	● 3000K	○ 4000K	Microwave (Master)
SLC1523	○ White	1500 mm	3770-6760 lm	29-52W	● 3000K	○ 4000K	Microwave (Master)

Did you know

...that UCL has switch options for both light quality and color temperature right in the luminaire? This means you can easily adapt it to each individual project.
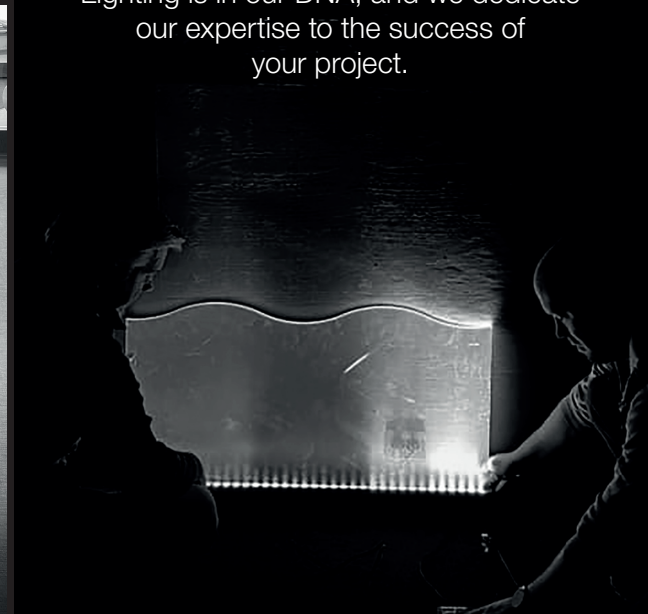
Flipping the switch on
good lighting

*Our dedicated team has the knowledge you need
to realize all types of lighting projects.*

Lighting with Passion

Lighting is in our DNA, and we dedicate our expertise to the success of your project.

Personal follow-up

With us, insight, understanding and personal follow-up are central to solving **your project.**

Broad expertise

We have the expertise needed to cover all aspects of **lighting design.**

A unique opportunity to modernize

As you embark on the transition from traditional light sources to LED, you should also consider reviewing your lighting plan. Technological advances allow for solutions that were not possible when the original system was implemented.
In addition, the use of the space may have changed, which means that the current lighting may no longer meet accessibility requirements.

Based on our experience, a modernized lighting plan will always bring significant benefits:

- Adapted lighting for today's use
- Meet new requirements for universal design
- Aesthetically modern expression that increases well-being and efficiency
- Reduced light pollution and glare
- Fewer installation points

Our dedicated team of The Light Group has the expertice you need to realize your next lighting project!

AFTER
BEFORE

Contact us to customize your solution.
project@tlg.no // www.tlg.no

Solution for
Basic lighting

Hallways | Schools | Open style

LED -44% kWh

LED+ ** -66% kWh

Example of savings when replacing to LED lighting

In this example, we replace 100 pcs. 4x14W T5 luminaires with 100 pcs. SLC Think Panels 27W

Eksisterende: Forbruk: 56W (+12 % ved reaktortap) / Lysmengde: 3250 lm (avregnet 35 %) / Øko. levetid: 25 000 timer.
Ny løsning: Forbruk: 27W / Lysmengde: 3240 lm / Levetid: 100 000 timer (L80B10).

	Existing solution	New solution	New solution & control
Number of luminaires	100 pcs.	100 pcs.	100 pcs.
*Net cost 10 years	€ 76.880	€ 43.128	€ 25.937
Difference in percentage		-44%	-66%
Difference in €		-€ 33.751	-€ 50.943
Energy use/year (kWh)	20 384 kWh	9 828 kWh	4 914 kWh
Electricity cost/year	€ 7.131	€ 3.438	€ 1.719

Basis: Average cost of € 0.35 per kWh. **Usage time:** 18 hours per day / 360 days a year. *Annual interest rate 6%
Existing solution: Includes operating and maintenance costs, but not previous investment cost.
New solution: Includes operating and maintenance costs, as well as investment costs.

Panels

SLC Scandinavian Lighting Concept

SLC Think Microprismatic

- Low glare factor: UGR <19 (600x600 mm)
- Efficiency up to 146 lm/W

L80B10 100.000 hours

UGR <19

600x600 mm	3000K
600x600 mm	4000K
600x600 mm	2700-6500K
300x1200 mm	3000K
300x1200 mm	4000K

LED | DIM

DALI 2

SLC Think Opal

- Backlit LED panel with opal cover
- Efficiency up to 120 lm/W

L80B10 100.000 hours

600x600 mm	3000K
300x1200 mm	3000K
600x600 mm	4000K
300x1200 mm	4000K

LED | DIM

DALI 2

SLC Focus panel

- LED panel with modern design
- Efficiency up to 137 lm/W
- Very low glare factor: UGR <16

L80B10 100.000 hours

UGR <16

600x600 mm	3000K
600x600 mm	4000K
600x600 mm	2700K-6500K

LED | DIM

DALI 2

Contact us to customize your solution.
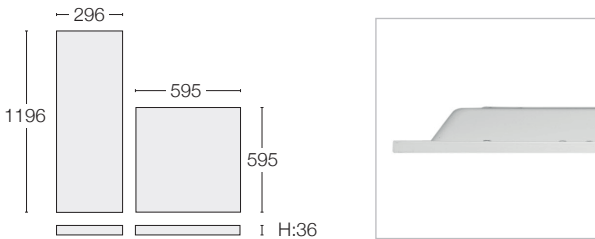
Think | Microprismatic

- **LED panel with driver included**
- High efficiency with up to 146 lm/W
- Microprismatic diffuser for low glare
- Long lifetime: L80B10 100,000 hours
- Quick installation
- The luminaire can also be surface mounted when using a frame

UGR <19

146 lm/W

LED	100-240V 50/60Hz	IP 20		3000 K	4000 K	TW		100 000 L80B10

296
1196
595
595
H:36

Art. no.	Dimensions	Colour temperature	Luminous flux	Power	Input Current
SLC8750	600 x 600	3000K	3705 / 4121 / 4977 lm	27-36W	700-900mA
SLC8753	300 x 1200	3000K	3818 / 4073 / 4645 lm	27-36W	700-900mA
SLC8751	600 x 600	4000K	3912 / 4492 / 5027 lm	27-36W	700-900mA
SLC8754	300 x 1200	4000K	4142 / 4427 / 5040 lm	27-36W	700-900mA
SLC8752	600 x 600	Tunable White	4680 lm	36W	2 x 800 mA
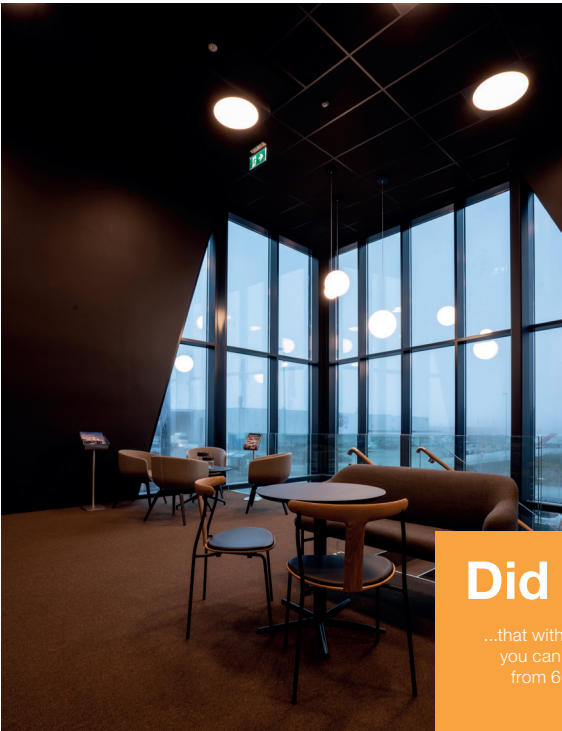
Did you know

...that with our **SLC Extension Frame** you can easily adapt the panel size from 60 x 60 cm to 62 x 62 cm?

Driver options

SLC Scandinavian Lighting Concept

○ 3000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI	√	3705 / 4976 lm	138 lm/W	27/36 W	700 / 900 mA	Screw terminal
S32203	Trailing Edge	√	4121 lm	138 lm/W	30 W	800 mA	Screw terminal
S32208	ON / OFF	X	3705 lm	137 lm/W	27 W	700 mA	Screw terminal
S32209	ON / OFF	X	3705 lm	137 lm/W	27 W	700 mA	Euro
S32211	ON / OFF	X	4121 lm	138 lm/W	30 W	800 mA	Screw terminal
S32212	ON / OFF	X	4121 lm	138 lm/W	30 W	800 mA	Euro
S32205	ON / OFF	X	4977 lm	138 lm/W	36 W	900 mA	Screw terminal
S32206	ON / OFF	X	4977 lm	138 lm/W	36 W	900 mA	Euro

○ 4000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI	√	4142 / 5040 lm	153/140 lm/W	27/36 W	700 / 900 mA	Screw terminal
S32203	Trailing Edge	√	4492 lm	149 lm/W	30 W	800 mA	Screw terminal
S32208	ON / OFF	X	4142 lm	153 lm/W	27 W	700 mA	Screw terminal
S32209	ON / OFF	X	4142 lm	153 lm/W	27 W	700 mA	Euro
S32211	ON / OFF	X	4492 lm	149 lm/W	30 W	800 mA	Screw terminal
S32212	ON / OFF	X	4492 lm	149 lm/W	30 W	800 mA	Euro
S32205	ON / OFF	X	5040 lm	139 lm/W	36 W	900 mA	Screw terminal
S32206	ON / OFF	X	5040 lm	139 lm/W	36 W	900 mA	Euro

○ Tunable White

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32202	DALI	√	4680	130 lm/W	36 W	2 x 800 mA	Screw terminal

Accessories

SLC8798 | SLC8796 | SLC8797 | SLC8788 | SLC8799 | SLC8787

60x60 cm to 62x62 cm

Art. no.	Articles
SLC8798	**Accessories:** Wire suspension set for Think
SLC8796	**Accessories:** Frame for surface mounting 600 x 600 H:70 mm
SLC8797	**Accessories:** Frame for surface mounting 300 x 1200 H:70 mm
SLC8788	**Accessories:** SLC LP Circular frame 600 x 600 Black
SLC8799	**Accessories:** SLC LP Circular frame 600 x 600 White
SLC8787	**Accessories:** SLC Extension Frame 600 x 600 to 620 x 620

Contact us to customize your solution.

Think | Opal

- **LED panel with driver included**
- High efficiency with up to 138 lm/W
- Long lifetime: L80B10 100.000 hours
- Quick installation
- If a frame is chosen, the luminaire can also be surface-mounted

138 lm/W

| LED | 100-240V 50/60Hz | IP 20 | | 3000 K | 4000 K | | 100 000 L80B10 |

296 — 595 —
1196 595
H:36
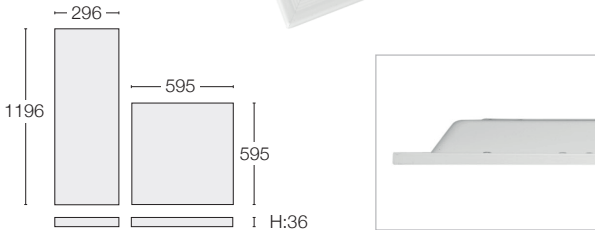
Art.no.	Dimensions	Colour temperature	Luminous flux	Power	Input Current
SLC8792	600 x 600	3000K	3335 / 3841 / 4240 lm	27-36W	700-900mA
SLC8794	300 x 1200	3000K	3267 / 3763 / 4180 lm	27-36W	700-900mA
SLC8793	600 x 600	4000K	3402 / 3891 / 4284 lm	27-36W	700-900mA
SLC8795	300 x 1200	4000K	3329 / 3840 / 4254 lm	27-36W	700-900mA
SLC8789	600 x 300	3000K / 4000K	2500lm	25W	550mA

Think Panel + Circular Frame (SLC8788)

Driver options

◐ 3000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI	√	3841 / 4240 lm	123 lm/W	31/36 W	700 / 900 mA	Screw terminal
S32203	Trailing Edge	√	3841 lm	123 lm/W	31 W	800 mA	Screw terminal
S32208	ON / OFF	X	3335 lm	123 lm/W	27 W	700 mA	Screw terminal
S32209	ON / OFF	X	3335 lm	123 lm/W	27 W	700 mA	Euro
S32211	ON / OFF	X	3841 lm	123 lm/W	31 W	800 mA	Screw terminal
S32212	ON / OFF	X	3841 lm	123 lm/W	31 W	800 mA	Euro
S32205	ON / OFF	X	4240 lm	121 lm/W	35 W	900 mA	Screw terminal
S32206	ON / OFF	X	4240 lm	121 lm/W	35 W	900 mA	Euro

◑ 4000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI	√	3891/4284 lm	125 lm/W	31/35 W	700 / 900 mA	Screw terminal
S32203	Trailing Edge	√	3891 lm	125 lm/W	31 W	800 mA	Screw terminal
S32208	ON / OFF	X	3402 lm	126 lm/W	27 W	700 mA	Screw terminal
S32209	ON / OFF	X	3402 lm	126 lm/W	27 W	700 mA	Euro
S32211	ON / OFF	X	3891 lm	125 lm/W	31 W	800 mA	Screw terminal
S32212	ON / OFF	X	3891 lm	125 lm/W	31 W	800 mA	Euro
S32205	ON / OFF	X	4284 lm	122 lm/W	35 W	900 mA	Screw terminal
S32206	ON / OFF	X	4284 lm	122 lm/W	35 W	900 mA	Euro

Accessories

SLC8798 SLC8796 SLC8797 SLC8788 SLC8799 SLC8787
60x60 cm to 62x62 cm

| Art. no.	Articles
SLC8798	Wire suspension set for Think
SLC8796	Frame for surface mounting 600 x 600 H:70 mm
SLC8797	Frame for surface mounting 300 x 1200 H:70 mm
SLC8788	SLC LP Circular frame 600 x 600 Black
SLC8799	SLC LP Circular frame 600 x 600 White
SLC8787	SLC Extension Frame 600 x 600 to 620 x 620

Contact us to customize your solution.

Focus

- LED panel with modern design
- Efficiency up to 137 lm/W
- Very low glare factor: UGR <16

UGR <16

L80B10 100.000 hours

LED | 100-240V 50/60Hz | IP 20 | 3000K | 4000K | TW | 100.000 L80B10

595
595
H:36
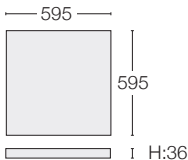
Art. no.	Dimensions	Colour temperature	Luminous flux	Power	Input Current	Diffuser
SLC8760	600x600	○ 3000K	3797 lm	27W	800 mA	Lens
SLC8761	600x600	○ 4000K	4121 lm	29W	800 mA	Lens
SLC8762	600x600	Tunable White	4130 lm	30W	2 x 800 mA	Lens

Driver options

○ 3000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI 2	√	3797 lm	126 lm/W	30 W	800 mA	Screw terminal
S32211	ON / OFF	X	3797 lm	126 lm/W	30 W	800 mA	Screw terminal
S32212	ON / OFF	X	3797 lm	126 lm/W	30 W	800 mA	Euro

○ 4000K

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32201	DALI 2	√	4121 lm	137 lm/W	30 W	800 mA	Screw terminal
S32211	ON / OFF	X	4121 lm	137 lm/W	30 W	800 mA	Screw terminal
S32212	ON / OFF	X	4121 lm	137 lm/W	30 W	800 mA	Euro

○ Tunable White

Art. no.	Protocol	Dimmable	Luminous flux	Lm/W	Power	Input Current	Connection
S32202	DALI 2	√	4130	138 lm/W	30 W	2 x 800 mA	Screw terminal

Did you know

...that Focus has an incredibly low glare?
This makes it perfect for workstations
and environments that require concentration.

Solutions for

Common area

Office | Educational | Hallways

LED -38% kWh

Example: Light Energy Calculation

In this example, we replace 100 pcs. 1x26W Compact fluorescent tube fixtures with 100 pcs. 13W SLC Shift
Existing: Power consumption: 30W (+12% reactor loss) / Luminous flux: 1.050 lm (adjusted 35%) / Lifetime: 25.000 hours.
New solution: Power consumption: 13W / Luminous flux: 1.800lm / Lifetime: 100.000 hours (L90B50).

	Existing solution	New solution
Number of fixtures	100 pcs.	100 pcs.
*Net cost for 10 years	*€ 40.355,-	*€ 25.175,-
Percentage difference		-38%
Difference in EUR		- € 15.180,-
Annual energy consumption (kWh)	10.920 kWh	4.732 kWh
Annual energy cost	**€ 3.801**	**€ 1.647**

Basis: Average cost of € 0.35 per kWh. **Usage time:** 14 hours per day / 260 days a year. *Annual interest rate 6%,
Existing solution: Includes operating and maintenance costs, but not previous investment costs.
New solution: Includes operating and maintenance costs, as well as investment costs.

Shift

SLC *Scandinavian Lighting Concept*

SLC Shift is a low profile and efficient downlight with 3000K/4000K switch. Upgrade to LED with SLC Shift. This downlight provides high efficiency and flicker-free lighting with adjustable CCT; 3000K/4000K. UGR<19 makes it perfect for replacing old compact fluorescent lamps and can easily be installed in cut-outs of 160-170 mm or 200-210 mm. It can also be surface mounted or installed in larger holes using accessories.

- Switch selection on color temperature (3000K/4000K)
- UGR<19 Anti Glare
- Can easily be installed in cut-out holes of 160-170/200-210 mm
- Can also be installed surface mounted or in larger holes using rehab ring
- Driver ordered separately
- A relief plate for soft roof panels is included
- PIR Master function

160-170 mm
200-210 mm
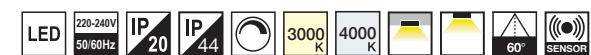
Material:	Painted aluminum
Dimensions:	Ø:180/190/228 H:61/63 mm
Beam Angle:	60°
Color tolerance:	MacAdam 3
Color render:	CRI>80
Expected lifetime:	(L90B50) 100.000 hours

Art. no. ○ White	Art. no. ● Black	Diameter	Colour temperature	Luminous flux	Power	Sensor
SLC1525	SLC1527	Ø:190 mm	● 3000K ○ 4000K	1900 lm	13W	--
SLC1526	SLC1528	Ø:228 mm	● 3000K ○ 4000K	2400 lm	18W	--
SLC1535	--	Ø:180 mm	● 3000K ○ 4000K	1900 lm	13W	PIR (Master)

Surface Tube
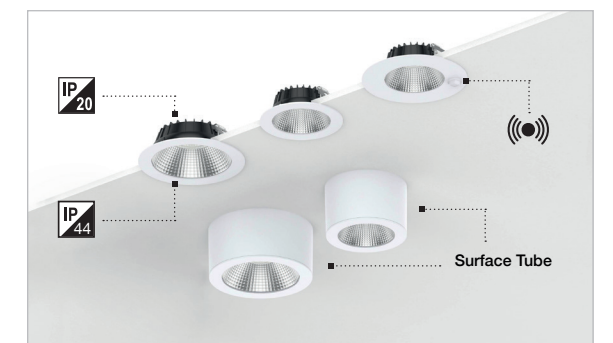
Accessories

Art. no.	Articles
SL1529	Shift rehab-ring 160-220 White
SL1530	Shift rehab-ring 200-260 White
SL1531	Shift kapsling PV 160-170 White
SL1532	Shift kapsling PV 200-210 White
SL1533	Shift driver fasedim 160-170 m/Euro-plugg
SL1534	Shift driver fasedim 200-210 m/Euro-plugg
S32317	Shift DALI driver DT6 NFC 15W
S32318	Shift DALI driver DT6 NFC 25W

Contact us to customize your solution.

Sensor lighting

## Lights on, but no one at home?

The right use of sensors + LED lighting can reduce energy consumption by up to 85%.

Why use sensors?

LED lighting can reduce energy consumption by up to **66%** compared to traditional incandescent lighting. By installing a sensor, energy consumption can be further reduced by up to 19%, giving an overall saving of **up to 85%!**

By using a sensor in your project, not only will your lighting appear more seamless and modern, you will also have fewer points for light switches. This results in a cleaner look and usually a lower installation cost.
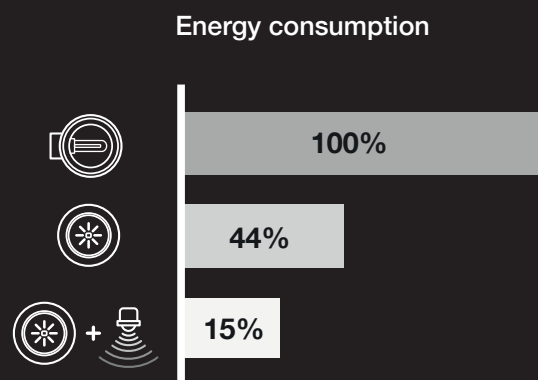
All our sensors have a photo sensor.

Energy consumption

100%

44%

15%

Sensor control - quite simply

1 Hidden sensor

A hidden sensor (microwave sensor) emits a signal of microwaves that are reflected when encountering an object or person in the environment.

This type of sensor detects movement through materials as long as it is within the sensor's set detection range and thus **does not need to be visible in the ceiling.**

Daylight sensor
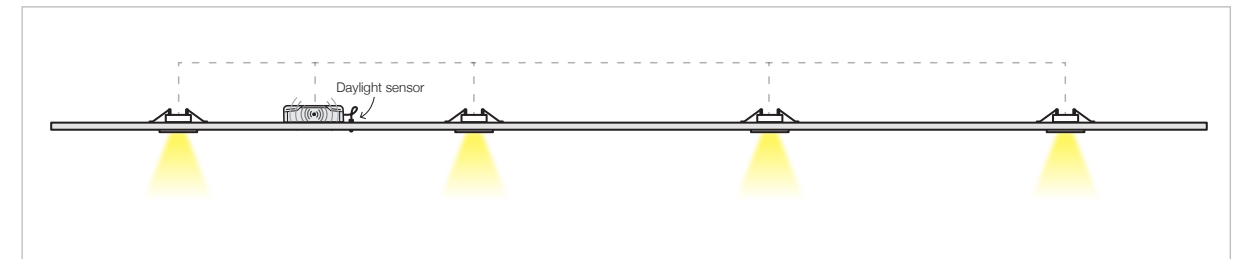
2 Built-in sensor

The recessed sensor (PIR sensor - Passive Infrared) works by detecting heat radiation from people. The sensor consists of a detector placed

behind a lens that detects moving infrared radiation. This sensor does not detect through materials and will have a **visible "sensor head" in the ceiling** or on the luminaire.
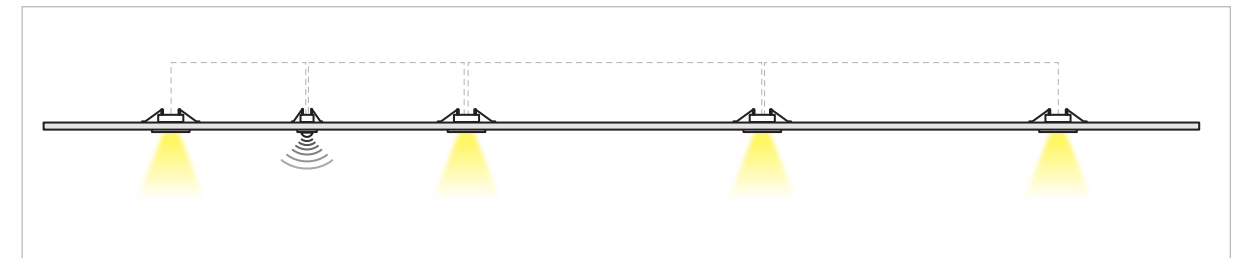
3 Sensor fitting

Luminaire with integrated sensor that controls the light. You can easily connect several luminaires with one sensor luminaire that is controlled by this sensor (Master). This is simple and practical,

and you need fewer points for switches etc. You can also use only "Master" luminaires for more dynamic lighting. In this case, each luminaire is controlled by a sensor and the light only comes on where it is needed.

Master   Slave   Slave   Slave   Slave
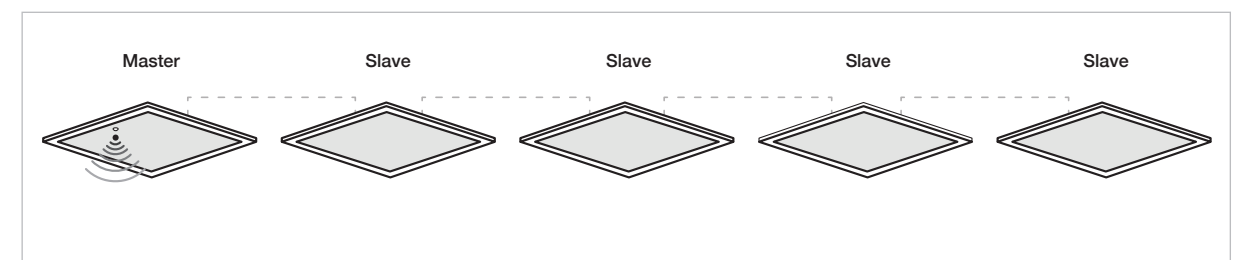
It's never wrong to keep it simple.

Contact us to customize your solution.
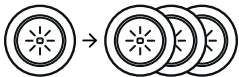project@tlg.no // www.tlg.no

Universal sensor
Safe, simple and efficient

This is accomplished by using simple sensor controls that do not require programming:

Security
Less vulnerable and easier for end users to change settings

Simplicity
Easier for electricians to replace or add luminaires

Efficiency
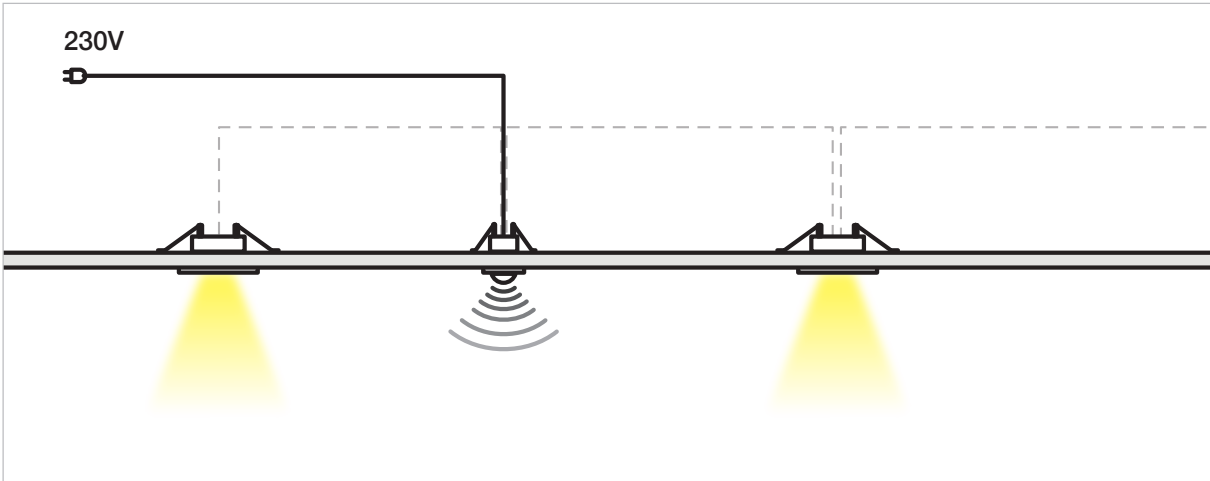Less time spent per luminaire and no programming

Built-in sensor

- Sensor for recessed installation in ceiling or wall
- Range of approx. 6 meters at a ceiling height of 2.2-4 meters
- Daylight sensor
- Easy installation
- PIR technology
- 300W LED
- Up to 4 meters ceiling height

Art. no.	Articles	Dimensions
S60014	SLC PIR R	Ø:63-66

230V

Hallway sensor

- Designed for corridors with asymmetric reach
- Reach of approx. 15x5 meters at ceiling height 2.2-4 meters
- Surface mounting in the ceiling or on the wall
- Daylight sensitive
- Easy installation
- 300W LED
- Up to 4 meters ceiling height

Art.nr.	Artikkel	
S60015	SLC PIR S	

230V
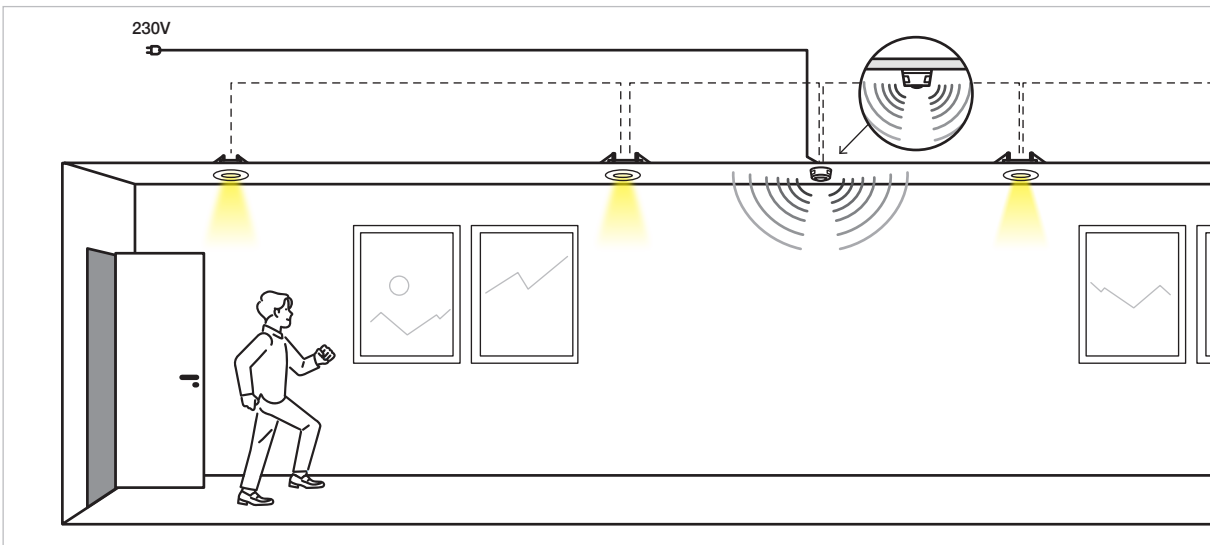
Luminaires with integrated sensor
Practical, affordable and smart

With a sensor directly in the luminaire, you can easily connect multiple luminaires to its master to simplify the installation process while ensuring a flawless result.

Master   Slave   Slave

230V

Vector

- Lightweight and efficient High Bay range of sensor accessories
- Supplied as standard with 2 meter cable with free end
- Suspension such as bracket and chain must be ordered additionally
- Maximum mounting height for sensor is 12 meters

SLC Scandinavian Lighting Concept

Art. no.	Articles					
SL8800	Vector Ø:262 mm	18800 lm	104W	182 lm/W	○	4000K
SL8801	Vector Ø:300 mm	27000 lm	149W	182 lm/W	○	4000K
SL8802	Vector Ø:336 mm	35700 lm	196W	182 lm/W	○	4000K

Art. no.	Accessories
SL8803	Microwave sensor
SL8804	Remote control to sensor

UCL

SLC Scandinavian Lighting Concept

- Pass-through connector for 3- or 5-pole cable
- Connection: left, right or center
- Switch selection on color temperature (3000K/4000K)
- Switch selection for brightness
- High efficiency with up to 130lm/W and flicker-free
- Mounting height: up to 6 meters
- Master function

Art. no.	Colour	Length	Luminous flux	Power	Colour temperature			Sensor	Number of slaves
SL1522	○ White	1200 mm	2860-5070 lm	22-39W	● 3000K	○ 4000K		Microwave	5 (6 total)
SL1523	○ White	1500 mm	3770-6760 lm	29-52W	● 3000K	○ 4000K		Microwave	5 (6 total)

Shift

SLC Scandinavian Lighting Concept

- Switch selection on color temperature (3000K/4000K)
- UGR<19 Anti Glare
- Can easily be installed in cut-out holes of 160-170
- Can also be surface mounted or installed in larger holes using
- use of rehab ring
- Driver ordered separately
- Master function

160-170 mm

Art. no.	Colour	Diameter	Colour temperature			Luminous flux	Power	Sensor	Number of slaves
SL1535	○ White	Ø:180 mm	● 3000K	○ 4000K		1900 lm	13W	PIR	4 (5 totalt)

Porsche Center Oslo

modernized the space,
and we are proud to have contributed
to functional and future-oriented lighting.

Splay One

has established itself in new premises in
Karl Johans Gate, and we are proud
to have delivered a modern lighting solution
that harmonizes with the customer's wishes and vision.

OUR JOURNEY TOWARDS SUSTAINABILITY

We at The Light Group strongly believe in the importance of supporting and actively working towards the UN Sustainable Development Goals to ensure a better and more sustainable future for all. We recognize that each of us has an important role to play in securing the future of the planet, and it is with great enthusiasm that we share our commitment to this effort. We hope you will be inspired to join us on this important journey towards a more sustainable future. Let's take the steps together to make our world a better place for everyone.

Contact us for help and guidance.

WE HAVE CHOSEN TO FOCUS EXTRA ON THREE OF THE UN SUSTAINABLE DEVELOPMENT GOALS, WHICH WE BELIEVE ARE AT THE CORE OF OUR BUSINESS AND OUR VALUES:

3 GOOD HEALTH AND WELL-BEING

8 DECENT WORK AND ECONOMIC GROWTH

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

**Goal 3
Good health and well-being**

**Goal 8
Decent work and economic growth**

**Goal 12
Responsible consumption and production**

We believe in promoting a healthy lifestyle and high quality of life both inside and outside the workplace.
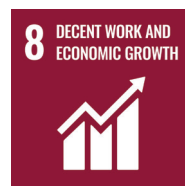
We support a fair global economy and work actively to ensure decent working conditions and economic growth.

We are committed to minimizing our environmental footprint through responsible consumption and sustainable production practices.

What can we help you with?

You can rest assured that your lighting project will be
a success with The Light Group team behind you.

The Light Group

Contact us for help and guidance.

www.tlg.no