LOYTEC
A Brand of Delta

Tunable White Luminaires.



LOYDL-015001



LOYDL-020001



LOYSP-606001
LOYSP-626201



LOYSP-123001

Quickly integrated. Wireless. Perfectly coordinated lighting.



Color Temperature



Retrofit

Bluetooth®

With Tunable White, the luminaires enable Human Centric Lighting (HCL) and support the natural circadian rhythm. This enhances well-being, alertness, and productivity, while also delivering high energy efficiency, long service life, and support for green building certifications—making them ideal for offices, schools, and healthcare facilities. High color rendering and low glare ensure excellent visual comfort and a natural lighting effect.

Standardized dimensions allow for quick and easy installation—ideal as a direct replacement for existing luminaires and perfectly suited for renovations with minimal effort.

The LOYTEC LOYDL downlights and LOYSP sidelighted panels provide future-proof lighting with wireless smart control options. Thanks to open, standards-based technology, they are highly flexible and well prepared for future building requirements.

UPCYCLE YOUR SPACE.

Specifications.

LOYDL Downlights



Product	LOYDL-015001-TW	LOYDL-020001-TW
Product Dimension (mm)	Ø172 x 97	Ø225 x 97
Lumen Output (lm)	1600 lm @ 6500 K 1600 lm @ 4000 K 1500 lm @ 2700 K	2300 lm @ 6500K 2300 lm @ 4000K 2100 lm @ 2700K
Housing	Aluminum & polycarbonate; color: RAL 9003, Signal White	
Mounting	Recessed	
Environment	Indoors, IP20 (back side) / IP54 (room side)	
Applications	School, hospital, office	
Color Temperature	2700-6500 K	
UGR	<19	
CRI	>80	
Lifetime	L80B10>50 000h at Ta=25°C	
Efficacy (lm/W)	Up to 100	

LOYSP Sidelit Panels





Product	LOYSP-606001-TW	LOYSP-626201-TW	LOYSP-123001-TW
Product Dimension (mm)	595 x 595 x 13	620 x 620 x 13	1195 x 295 x 13
Lumen Output (lm)	3700 lm @ 2700 K 4100l m @ 4000 K 4100 lm @ 6500 K		
Housing	Aluminum, color: RAL 9003, signal white		
Mounting	Recessed, surface-mounted, suspended		
Environment	Indoors, IP20 (back side) / IP40 (room side)		
Applications	School, hospital, office		
Color Temperature	2700-6500 K		
UGR	<19		
CRI	>80		
Lifetime	L80B10>50 000h at Ta=25°C		
Efficacy (lm/W)	Up to 120		



LOYBTDRV Drivers

Product	LOYBT-DRV-0400-TW	LOYBT-DRV-0600-TW	LOYBT-DRV-0900-TW
Max. Output Current (mA)	400	600	900
Max. Output Power (W)	15.6	23.4	35.1
Output Voltage	30-39V		
Dimensions	195 × 55 × 31 (L × W × H)		
Environment	- 25°C to 50°C, 10-90 RH, IP20		
Input Voltage	220-240V		
Interfaces	DALI, Bluetooth Mesh		

Tunable White – intelligent lighting, made simple.



Cool white light helps students stay focused and alert throughout the school day.

Human Centric Lighting (HCL) recreates the natural rhythm of daylight. Through targeted changes in color temperature over the course of the day, it supports the human circadian rhythm—enhancing well-being, focus, and overall performance.

Cool white light promotes concentration, alertness, and productivity, making it ideal for offices, classrooms, and treatment areas in healthcare facilities. Warm white light creates a comfortable and relaxing atmosphere, supporting recovery in patient rooms, relaxation in common areas, and well-being during breaks. By dynamically adapting light to the needs of different tasks and environments, HCL helps improve comfort, engagement, and effectiveness across office, education, and healthcare applications.

The LOYTEC solution makes retrofitting simple: install the driver in the suspended ceiling, mount the panel – done. No additional control-line cabling is required, keeping installation fast, clean, and cost-efficient while minimizing disruption. Color temperature can be controlled automatically or manually and adapts naturally when dimmed – without added complexity.

With Bluetooth SIG Mesh compliance, your solution is based on open, future-ready technology. The system is vendor-independent, easily scalable, and can be integrated into SIG-compliant networks over the long term—ensuring a solid foundation for future needs.

Tunable White lighting allows seamless adjustment of color temperature from warm to cool white, delivering lighting ambiance for diverse environments—from offices and retail spaces to hospitality and healthcare.



A soothing light environment for recovery.



The ideal light for every phase of the workday.

Use Cases. | Full room control



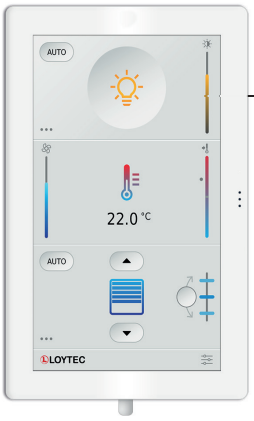
LOYSP
Sidelit Panels



LOYBT-MS2
Multi Sensor



LOYBT-SBM1
Sunblind Actuator



LPAD-7
Room Controller



Meeting Room

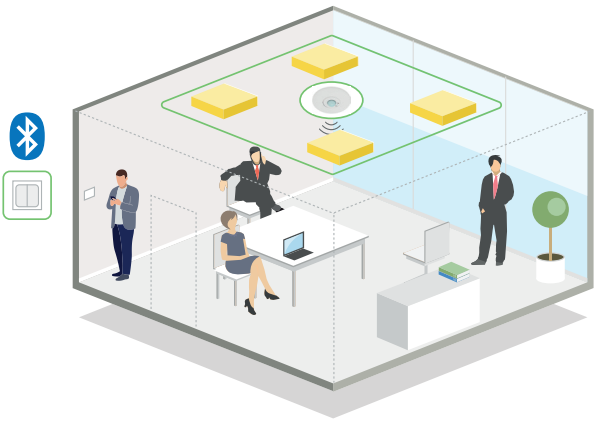
LOYBT-RT1
Radiator Valve



Our reference solutions show how modern building functions can be realized efficiently with just a few perfectly coordinated components. Wireless connectivity enables lighting and room control functions to integrate seamlessly while minimizing installation effort and maximizing flexibility. Intuitive operation and a scalable architecture simplify planning, installation, and operation alike. The result is a future-ready system that is intelligently designed, flexible, and easy to expand.

Standalone solution with ThyraLite

Control a lighting zone completely autonomously with a ThyraLite zone controller. Each controller combines built-in control logic with the possibility to add occupancy and light-level sensing, push-button inputs, and temperature and humidity sensors.
Communication protocols include DALI and Bluetooth® SIG Mesh and configuration is done wirelessly using the Thyra Config app. All lighting functions, including on/off control, dimming, and auto mode, run locally on the device. If building-wide control is required, the controller can be integrated into a Building Management System over a gateway.
To be released in Q2/2027



ThyraLite