



TRILUX
SIMPLIFY YOUR LIGHT.

LIVELINK

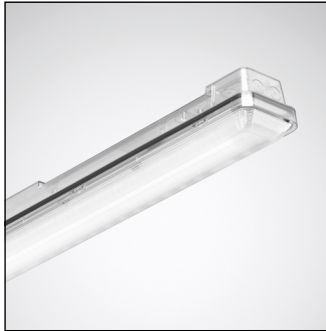
PRODUCT RANGE



LIVELINK PRODUCT RANGE



LiveLink
Workplace



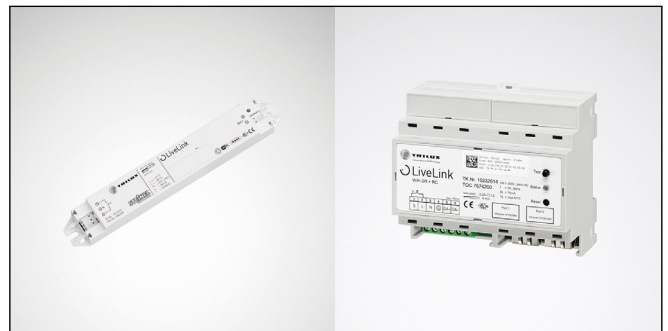
LiveLink
SwarmSens



LiveLink
Basic



LiveLink
WiFi



LiveLink
Wireless



LiveLink
Connect



LiveLink
Premium

DIGITAL LIGHT CONTROL SYSTEMS
FROM START TO THE INDIVIDUAL SOLUTION

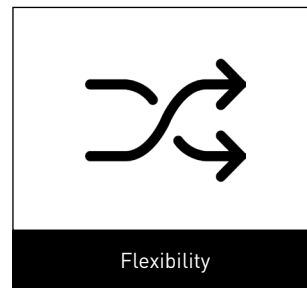
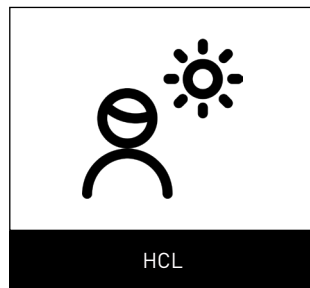
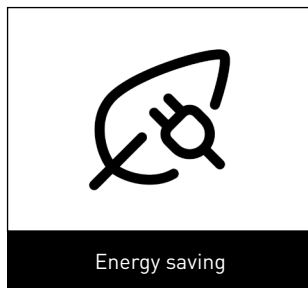
LIVELINK IN APPLICATIONS

	LiveLink Workplace	LiveLink SwarmSens	LiveLink Basic	LiveLink Wi-Fi	LiveLink Wireless	LiveLink Connect	LiveLink Premium
Office	✓		✓	✓	✓	✓	✓
Industry		✓		✓	✓	✓	✓
Health & care		✓	✓	✓	✓		✓
Education		✓	✓	✓	✓	✓	✓
Outdoor							✓
Shop & retail				✓	✓	✓	✓

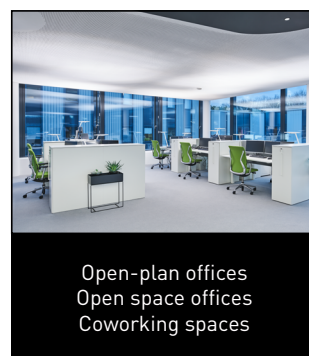
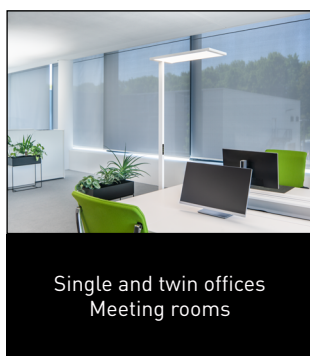
LIVELINK WORKPLACE

YOUR PERSONAL OFFICE LIGHT!

CORE FUNCTIONS



APPLICATIONS



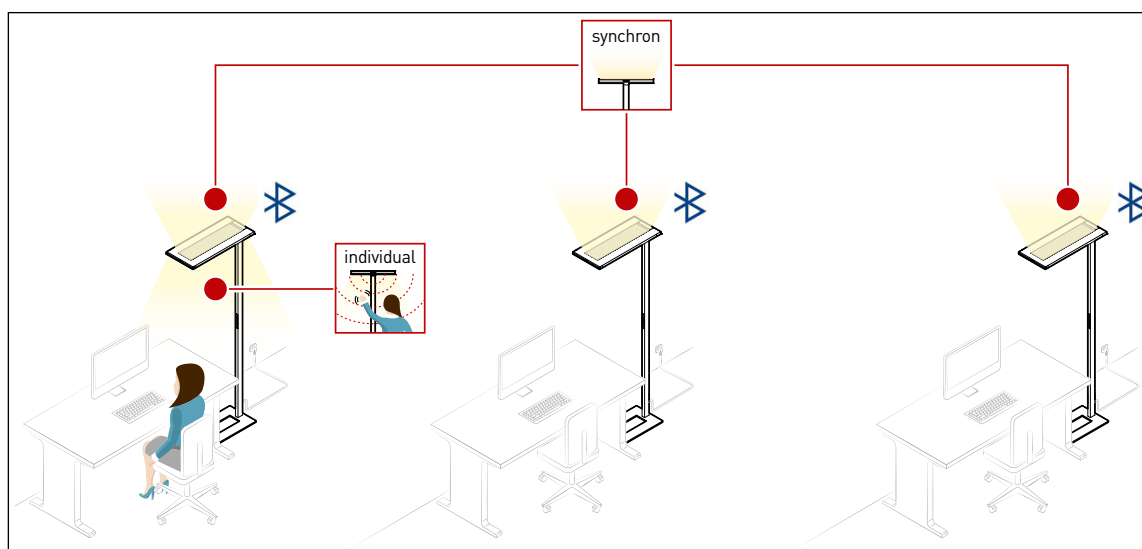
CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LUCEOS ACT S +LLWP	Exclusive LED free-standing luminaire with direct and indirect luminous flux components. For standard-compliant illumination of single and double workstations. With integrated LiveLink Workplace control for the synchronous daytime- and seasonally dependent control of light colour (circadian control) of both light emission surfaces. Up to 20 luminaires with LiveLink Workplace configuration can be interconnected within a room via Bluetooth to form an interactive luminaire group.
LUCEOS S-T ACT +LLWP	Exclusive LED free-standing luminaire with 2 separately controllable luminaire heads, direct and indirect distribution. For standard-compliant illumination of twin and quadruple workstations. With integrated LiveLink Workplace control for the synchronous daytime- and seasonally dependent control of light colour (circadian control) of both light emission surfaces. Up to 20 luminaires with LiveLink Workplace configuration can be interconnected within a room via Bluetooth to form an interactive luminaire group.
LUCEO S-U ACT +LLWP	Exclusive LED free-standing luminaire with 2 separately controllable luminaire heads, direct and indirect distribution. For standard-compliant illumination of opposing twin workstations if these are partitioned from each other by protective walls. With integrated LiveLink Workplace control for the synchronous daytime- and seasonally dependent control of light colour (circadian control) of both light emission surfaces. Up to 20 luminaires with LiveLink Workplace configuration can be interconnected within a room via Bluetooth to form an interactive luminaire group.
BICULT ACT T +LLWP	Innovative desktop luminaire with direct component for individual workstation illumination and indirect component for general room lighting. With integrated LiveLink Workplace control for the synchronous daytime- and seasonally dependent control of light colour (circadian control) of both light emission surfaces. Manual setting of the light colour and separate switching and dimming of both light components via 3 illuminated operating elements. Up to 20 luminaires with LiveLink Workplace configuration can be interconnected within a room via Bluetooth to form an interactive luminaire group.

FUNCTIONS

- LiveLink Workplace control unit permanently installed in standing luminaire or desktop luminaire
- Daylight- and HF presence sensor integrated in luminaire
- Networking of up to 20 luminaires with LiveLink Workplace configuration within one room
- Human Centric Lighting, general light function, scenes, networking
- Commissioning of LiveLink Workplace luminaires via the LiveLink Workplace app
- Manual operation via push-button on the luminaire or smart control via the LiveLink Workplace app

CONNECTION DIAGRAM



LIVELINK SWARMSSENS

THE PIONEER!

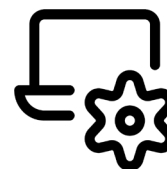
CORE FUNCTIONS



Wireless for refurbishment



Energy saving

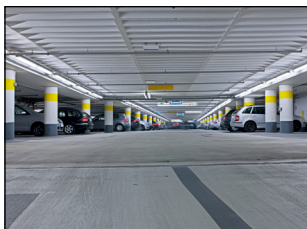


Simple installation

APPLICATIONS



Industrial areas with
normal ceiling heights
warehouses



car parks



Corridors
hallways
stairways
sanitary areas

CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink SwarmSens	The LiveLink SwarmSens system consists of sensor luminaires (...+DMM) and receiver luminaires (...+DMR). A sensor luminaire is equipped with an HF sensor including light sensor. The sensor controls the receiver luminaires via a Bluetooth module. A receiver luminaire is equipped only with a Bluetooth receiver, enabling the control commands of the sensor luminaire to be received.

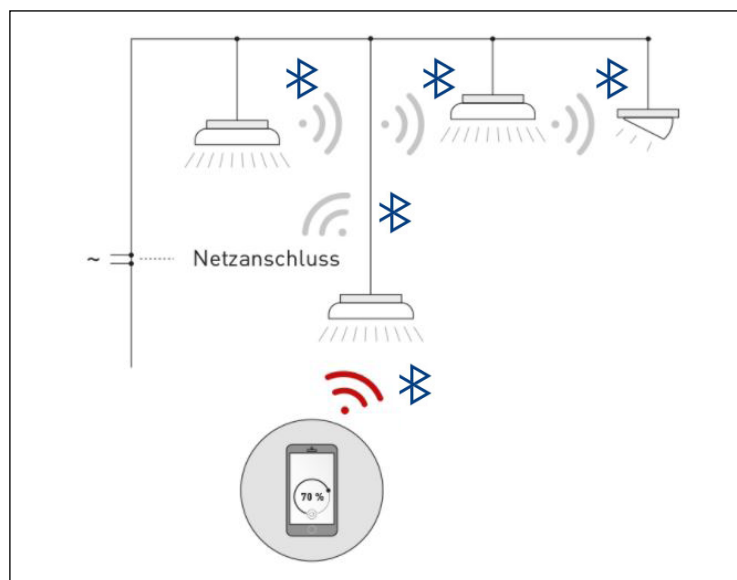
FUNCTIONS

- LiveLink SwarmSens consists of sensor- (+DMM) and receiver modules (+DMR) (factory-assembled in luminaire)
- LiveLink SwarmSens is only suitable for installing in luminaires
- Control of the lighting in a maximum of 64 groups via DIP switch and 255 groups via app
- Maximum of 4096 devices (in one network)
- Motion detection, threshold switch, general light function, swarm function
- System settings via DIP switch on the sensor or possible via app

TECHNICAL DATA

TECHNICAL DATA	
Supply voltage	100-240V AC/DC
Rated frequency	50 ...60 Hz
Power consumption	Sensor: 0.46W / receiver: 0.24 W
Sensor	HF sensor
Sensor frequency range	24 GHz
Sensor detection range	approx. 5m x 4m (at 2m mounting height) approx. 7.5m x 6m (at 3m mounting height) approx. 10m x 8m (at 4m mounting height)
Sensor mounting height	max. 5 m
Sensor motion detection	1 ... 25km/h
Follow-up time of motion sensor	30 seconds - 60 minutes
Brightness sensor threshold	Off / 30lx - 500lx
General light	10% (via DIP switch) / freely selectable (via LiveLink SwarmSens app)
Swarm function	max. 4 neighbours per luminaire group (via LiveLink SwarmSens app)
Ambient temperature t_a	-20°C ... +65°C
Bluetooth transmission capacity	1 mW
Bluetooth range	15m - 20m (Aragon Fit / Oleveon Fit)
Number of sensors/receivers in Bluetooth mesh network	4096
Number of luminaire groups	64 (via DIP switch) / 255 (via LiveLink SwarmSens app)
DALI connection	max. 2 DALI drivers (broadcast)
TOC	LiveLink SwarmSens only available in combination with luminaire (+DMM and +DMR)

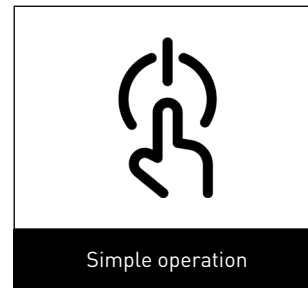
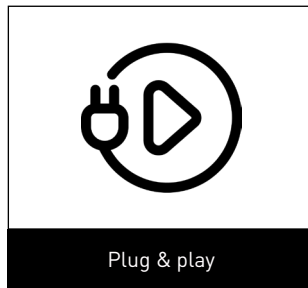
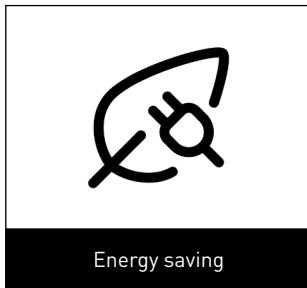
CONNECTION DIAGRAM



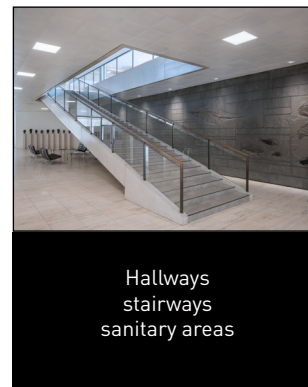
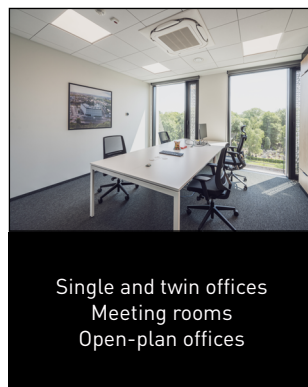
LIVELINK BASIC

THE ENTRY INTO THE SMART WORLD OF CONTROL

CORE FUNCTIONS



APPLICATIONS



CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink Basic	LiveLink Basic with integrated sensor (light and presence) including interface for commissioning and control via smartphone. Mounting as recessed ceiling installation or ceiling surface-mounted (ceiling mounting housing available as accessory).

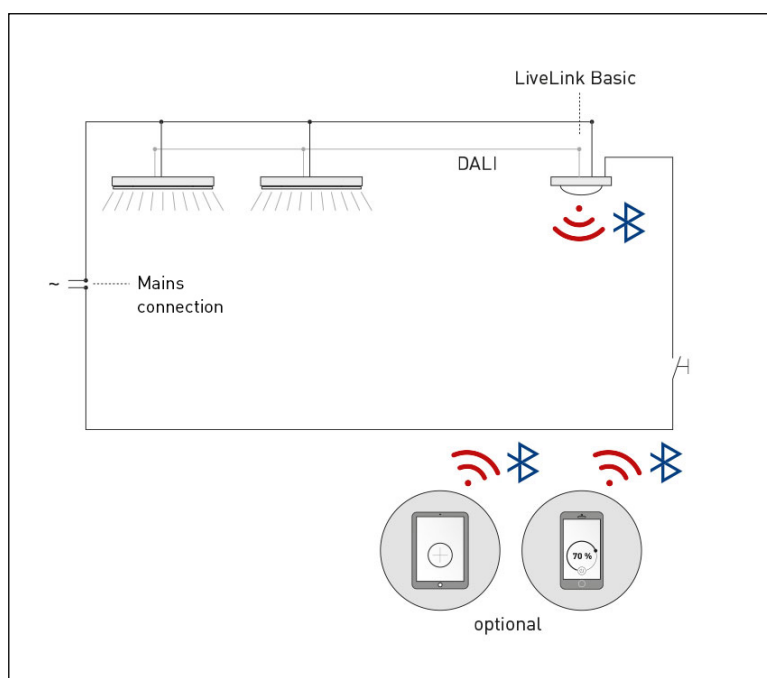
FUNCTIONS

- Control unit for controlling up to 20 DALI devices
- Suitable for ceiling recessing and ceiling surface-mounting
- Control of the lighting in a luminaire group
- Presence detection, light control, general light function
- Manual operation via wall push-button or smart control via the LiveLink Basic Control app
- Plug and play operation
- Fine adjustment of sensor functions either on the sensor or via LiveLink Basic Install app

TECHNICAL DATA

TECHNICAL DATA	
Input voltage	220-240V AC
Standby power	<0.3W - 1.8W
Installation depth	min. 55mm
Hole size	Ø 68mm – 80mm
Connections	Mains (L, N) 1x DALI 1 x push-button
Sensor function	Light sensor and presence detection
DALI devices	max. 20
DALI output current	80 mA
DALI groups	1
Protection rating	IP20
DALI cable length	max. 300 m
Cable length of push-buttons	max. 25 m
Bluetooth interface	Bluetooth 4.0 BLE
Bluetooth range	max. 15 m
Smartphone	iOS 8.4 or later Android 4.x or later
TOC	7219200

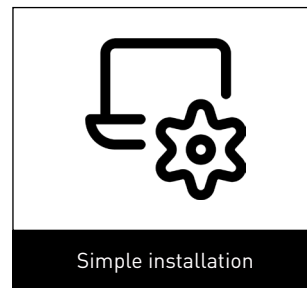
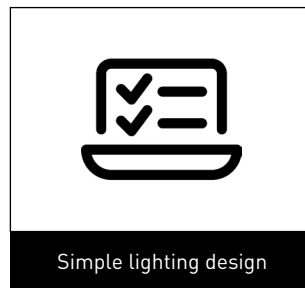
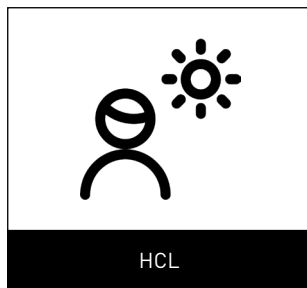
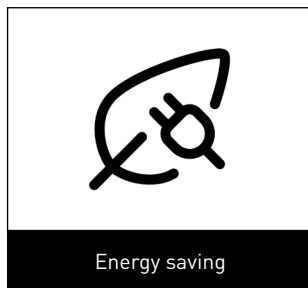
CONNECTION DIAGRAM



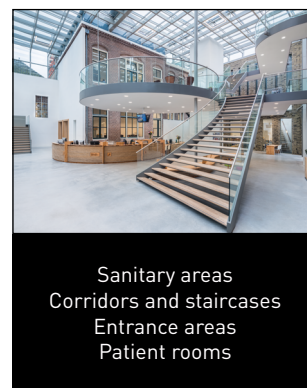
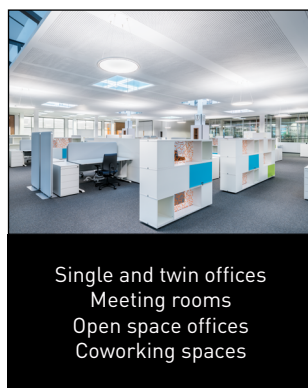
LIVELINK WIFI

THE SMART AND EFFICIENT ALL-ROUNDER

CORE FUNCTIONS



APPLICATIONS



CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink WiFi	LiveLink Controller for installing in ceilings / ceiling cavities incl. integrated Wi-Fi module, version for installation in luminaire, available ex-works (luminaires with reference +LLWM and +LLWC).
LiveLink WiFi DR	LiveLink Controller for DIN rail mounting incl. integrated Wi-Fi module.
LiveLink LAN DR	LiveLink Controller for DIN rail mounting without integrated Wi-Fi module (external Wi-Fi router available as accessory).

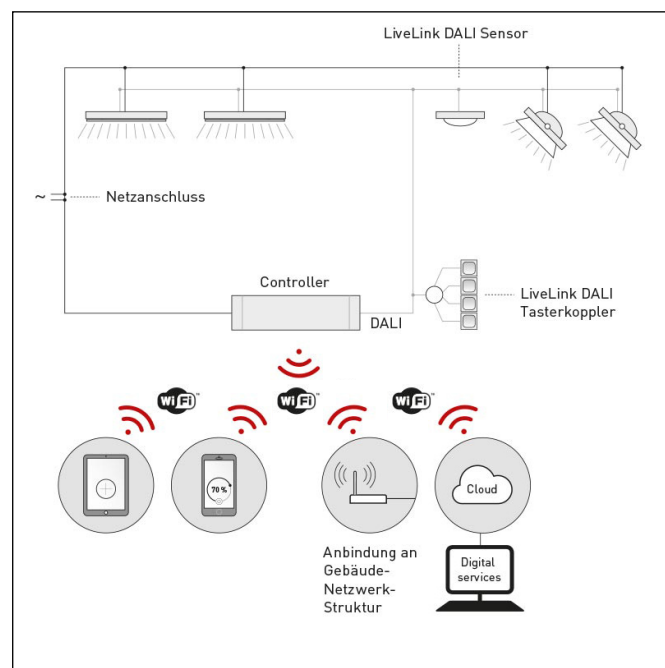
FUNCTIONS

- Control unit for controlling up to 64 DALI devices
- Control unit available as luminaire-installation unit or DIN rail unit
- Control of lighting in up to 16 groups (DALI standard)
- Presence detection and light control
- Human Centric Lighting (HCL), general light, sequences, building site function, cloud connection
- Commissioning of control system via the LiveLink Install app
- Manual operation via wall push-button or smart control via the LiveLink Control app

TECHNICAL DATA

TECHNICAL DATA	
Input voltage	220-240V AC
Standby power	<2W
Installation depth	min. 55mm
Connections	Mains (L, N) 1x DALI 1 x push-button
Sensor function	Light sensor and presence detection
DALI devices	max. 64
DALI output current	128mA / 180mA (DR)
DALI groups	max. 16 (DALI standard)
Number of light scenes	max. 50
Protection rating	IP20
DALI cable length	max. 300 m
Cable length of push-buttons	max. 25 m
Wi-Fi encryption (LiveLink WiFi & LiveLink WiFi DR)	WPA2
Wi-Fi range (LiveLink WiFi & LiveLink WiFi DR)	max. 25 m
TOC (LiveLink WiFi)	6565400
TOC (LiveLink WiFi DR)	7669300
TOC (LiveLink LAN DR)	7861500

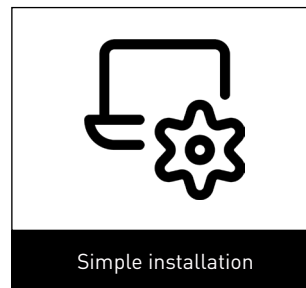
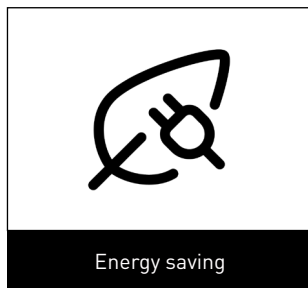
CONNECTION DIAGRAM



LIVELINK WIRELESS

THE SMART SOLUTION FOR REFURBISHMENT PROJECTS

CORE FUNCTIONS



APPLICATIONS



Specialist & standard classrooms
Day nurseries
Administration and relaxation areas



Single and twin offices
Meeting rooms
Open space offices
Coworking spaces



Production halls
Warehouses
Special areas

CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink WiFi +RC	LiveLink Controller for installing in ceilings / ceiling cavities incl. integrated Wi-Fi module and ZigBee radio unit. Luminaire installation version available ex-works (luminaires with reference +LLWRM & +LLWRC).
LiveLink WiFi DR +RC	LiveLink Controller for DIN rail mounting incl. integrated Wi-Fi module and ZigBee radio unit.
LiveLink LAN DR +RC	LiveLink Controller for DIN rail mounting with ZigBee radio unit, without integrated Wi-Fi module (external Wi-Fi router available as accessory).

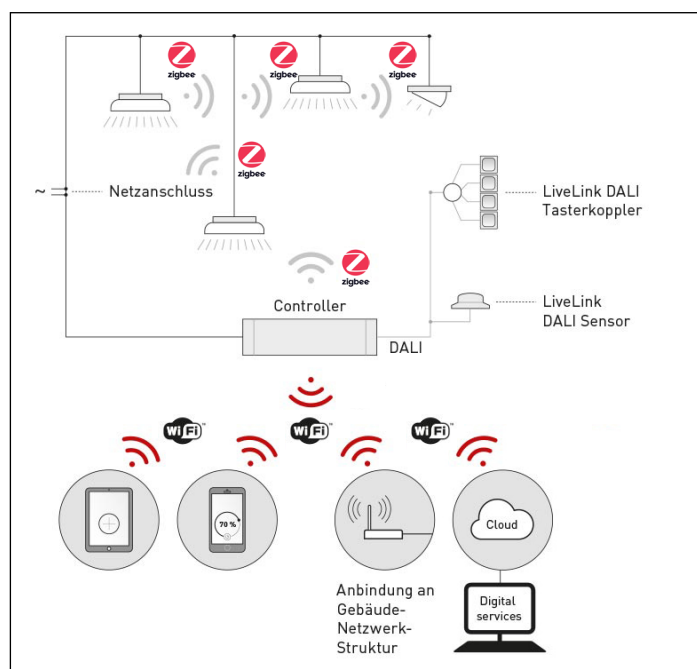
FUNCTIONS

- Control unit for controlling radio and DALI devices
- 50 radio devices & 32 wired DALI devices
- Control unit available as luminaire-installation unit or DIN rail unit
- Control of lighting in up to 16 groups (DALI standard)
- Presence detection and light control
- General light, sequences, building site function, cloud connection (DALI)
- Commissioning of control system via the LiveLink Install app
- Manual operation via wall push-button or smart control via the LiveLink Control app

TECHNICAL DATA

TECHNICAL DATA	
Input voltage	220-240V AC
Standby power	<2W
Connections	Mains (L, N) 1x DALI 1 x push-button
Sensor function	Light sensor and presence detection
DALI devices	max. 32
Zigbee radio devices	max. 50
DALI output current	128mA / 180mA (DR)
DALI groups	max. 16 (DALI standard)
Number of light scenes	max. 50
Protection rating	IP20
DALI cable length	max. 300 m
Cable length of push-buttons	max. 25 m
Wi-Fi encryption (LiveLink WiFi +RC and LiveLink WiFi DR +RC)	WPA2
Wi-Fi range (LiveLink WiFi +RC and LiveLink WiFi DR +RC)	max. 25 m
TOC (LiveLink WiFi +RC)	6911700
TOC (LiveLink WiFi DR +RC)	7674200
TOC (LiveLink LAN DR +RC)	7895200

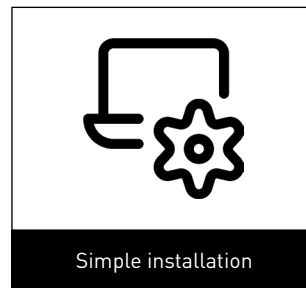
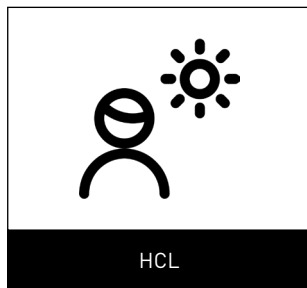
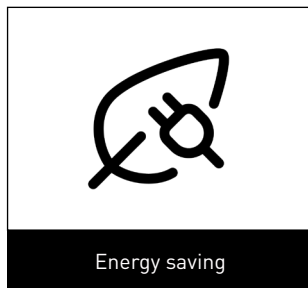
CONNECTION DIAGRAM



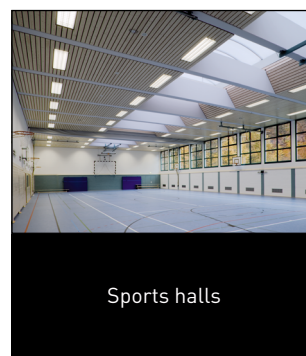
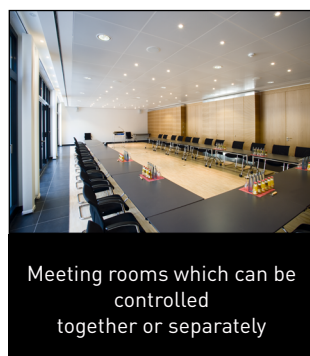
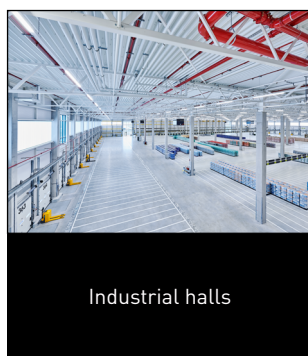
LIVELINK DR CONNECT

THE NETWORKABLE SYSTEM

CORE FUNCTIONS



APPLICATIONS



CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink WiFi DR Connect	LiveLink Controller for DIN rail mounting incl. integrated Wi-Fi module
LiveLink LAN DR Connect	LiveLink Controller for DIN rail mounting without integrated Wi-Fi module (external Wi-Fi router available as accessory)

FUNCTIONS

- Control unit for controlling up to 64 DALI devices
- A maximum of 6 control units can be connected via the master/slave function
- Control unit as DIN rail unit (6 sub-units)
- Presence detection and light control
- Human Centric Lighting (HCL), general light, sequences, building site function, cloud connection
- Manual operation via wall push-button or smart control via the LiveLink Control app
- Interconnecting of control units via commercially available switches
- Commissioning of control system via the LiveLink Install app

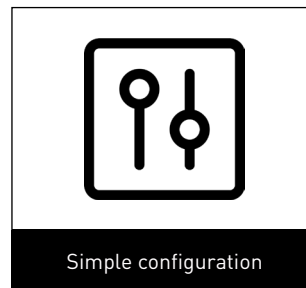
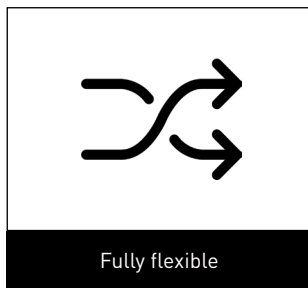
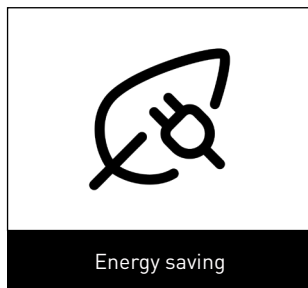
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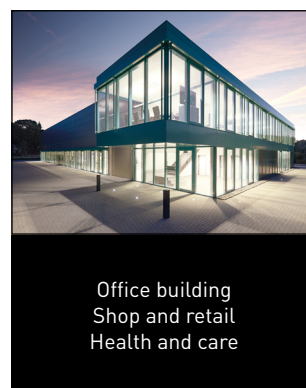
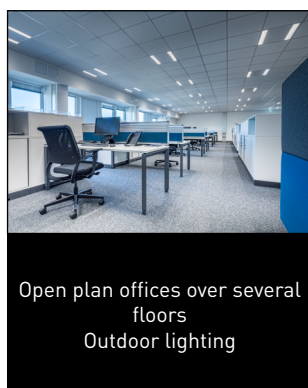
LIVELINK PREMIUM

THE INDIVIDUAL PROJECT SOLUTION

CORE FUNCTIONS



APPLICATIONS



CONSTRUCTION FORMS / VARIANTS

CONSTRUCTION FORMS / VARIANTS	DESCRIPTION
LiveLink Premium Server	The LiveLink Premium Server (local / stand alone) is the central control unit for the LiveLink Premium light management system. In this variant, further components are required to control the lighting installation.
LiveLink Premium Server Kit 1-5	LiveLink Premium Server Kits are ready-made packages that contain all components necessary to control the lighting installation. These are supplied ready for connection in a housing.
LiveLink Premium Extension Kit 1-2	LiveLink Premium Extension Kits are ready-made packages that can be connected to the LiveLink Premium Server or Server Kits. These are supplied ready for connection in a housing.

FUNCTIONS

- Server-based control system (local) that is scalable and has no limit on DALI addresses
- No restriction on groups and scenes
- Ready-made Server Kits for a specific number of DALI devices
- Presence detection and light control
- General light, sequences, HCL, cloud services
- Manual operation via wall push-button or touch panel
- Commissioning of the control system via the LiveLink Premium app

LIVELINK SYSTEM OVERVIEW

	LiveLink Workplace	LiveLink SwarmSens	LiveLink Basic	LiveLink Wi-Fi	LiveLink Wireless	LiveLink Connect	LiveLink Premium
Presence detection	✓	✓	✓	✓	✓	✓	✓
Constant light control	✓		✓	✓	✓	✓	✓
Threshold value function		✓					✓
Light scenes	✓			✓	✓	✓	✓
Sequences				✓	✓	✓	✓
General light	✓	✓	✓	✓	✓	✓	✓
HCL	✓			✓		✓	✓
Master-slave networking	✓	✓				✓	
Plug and play function	✓	✓	✓				
Cloud connection				✓	✓	✓	✓
Monitoring (MOR luminaires)				✓		✓	✓
Emergency light monitoring (DALI single battery)				✓		✓	✓
Radio networking (mesh)	✓	✓			✓		✓
Integration of building plans							✓
Connection to building control system							✓
Control via push-button	✓	✓	✓	✓	✓	✓	✓
Control via app	✓		✓	✓	✓	✓	✓

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