# Informative material

Human Centric options

**VIZULO**

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*VIZULO can provide 2 different options for Human Centric Lighting (HCL) that fit different kind of user applications, needs and possibilities.*

# Autonomous HCL system

This kind of solution is best for applications, where client does not have a ready and functional DALI infrastructure on site. This means that this system can be deployed practically anywhere because all the control (DALI) components are integrated into luminaires themselves.

**Best suited for:**
• Relatively small installations
• Sites with no existing DALI infrastructure

**How to order:**
Autonomous HCL system can be ordered as accessories for compatible luminaires. Autonomous HCL system will be integrated into VIZULO luminaires.

**System overview:**
• Control of up to 5 different luminaires*
• Control of up to 64 different luminaires (Optional) **
• Additional 1 push-button interface available
• HCL control possible for whole systems (all luminaires) only- no individual control of luminaires is possible from one controller
• Can be integrated in any VIZULO luminaire that supports Tunable White (TW)
• Wireless controllable with an Android / iOS smart device
• Several controllers can be used in one system- separately or in mesh.

| Item | Order article | Price |
|------|---------------|-------|
| Autonomous HCL system * | 70000733 | *** |
| Additional (Optional) DALI power supply ** | 70000675 | *** |

*- Control of up to 5 different luminaires (drivers) is available in default, no additional components are required for the system.

**- Control of up to 64 different luminaires (drivers) is optionally available and requires additional external DALI power supply which can be integrated in one of the luminaires.

***- Prices can be seen in Price lists (only for luminaires that are compatible with Autonomous HLC system).

# DALI integrated HCL system

This kind of solution is best for applications, where client has a ready and functional DALI infrastructure on site or is willing to implement DALI infrastructure in specific site. This kind of system has superior functionality; however, it comes at a bigger cost than the Autonomous HCL system.

**Best suited for:**

• Relatively large installations

• Sites with existing DALI infrastructure

• Sites where additional individual luminaire control is required (not only HCL)

• Applications where intuitive WEB interface is needed

**How to order:**

DALI integrated HCL system can be ordered as additional piece of equipment- it is not integrated into VIZULO luminaires and requires additional installation and configuration.

**System overview:**

• Control of up to 192 different luminaires / drivers (on 3 DALI lines)

• Compatible with sensors, switches and other control equipment

• Extension of functionalities via software licenses

• Individual control of each luminaire possible

• Integrated outside of the VIZULO luminaire (on site)

• Control and setup via graphical WEB interface

| Item | Order article | Price |
|------|---------------|-------|
| DALI integrated HCL system | 70000707 | * |

*- Prices can be seen in Price lists (only for luminaires that are compatible with DALI integrated HCL system).*

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# Comparison of available HCL solutions

| Feature | Autonomous HCL system | DALI integrated HCL system |
|---|---|---|
| HCL (circadian rhythm) | Available | Available |
| Maximum number of controllable drivers | 5 / 64 | 192 |
| Individual control of each luminaire | N/A | Available |
| Integration | Into luminaires | Outside luminaires (on site) |
| DALI infrastructure | Not required | Required |
| Control options | Wireless controllable with smart device | Control and setup via graphical WEB interface |
| Additional features (besides HCL) * | Limited | Superior |