



# Lighting management for an office space

Lighting in the right place at the right time

## Customer case

The manager of an office space needs to organize the lighting layout. He also wants to achieve energy savings by implementing automatic switching on/off of the lighting according to the presence of people and the level of luminosity.

In addition, each office lighting must be switched off automatically after a certain period of time in the absence of people.

As the offices are regularly rearranged, the installation must be easy to modify.

## Our recommendation

The system chosen is Canalis busbar trunking incorporating a DALI architecture without programming. Automatic lighting is provided by master and slave DALI presence detectors, and adjustment of the constant luminosity level office by office is an integral function of the master Argus detectors. These detectors are fastened directly to the busbar trunking or are simply connected to it according to the layout of the offices. Information is transferred uniformly to all the ballasts connected to the master detector network, and an override control of the lighting is performed by push buttons connected to the (master) DALI detector.

\* DALI: Digital Addressable Lighting Interface.

## Benefits

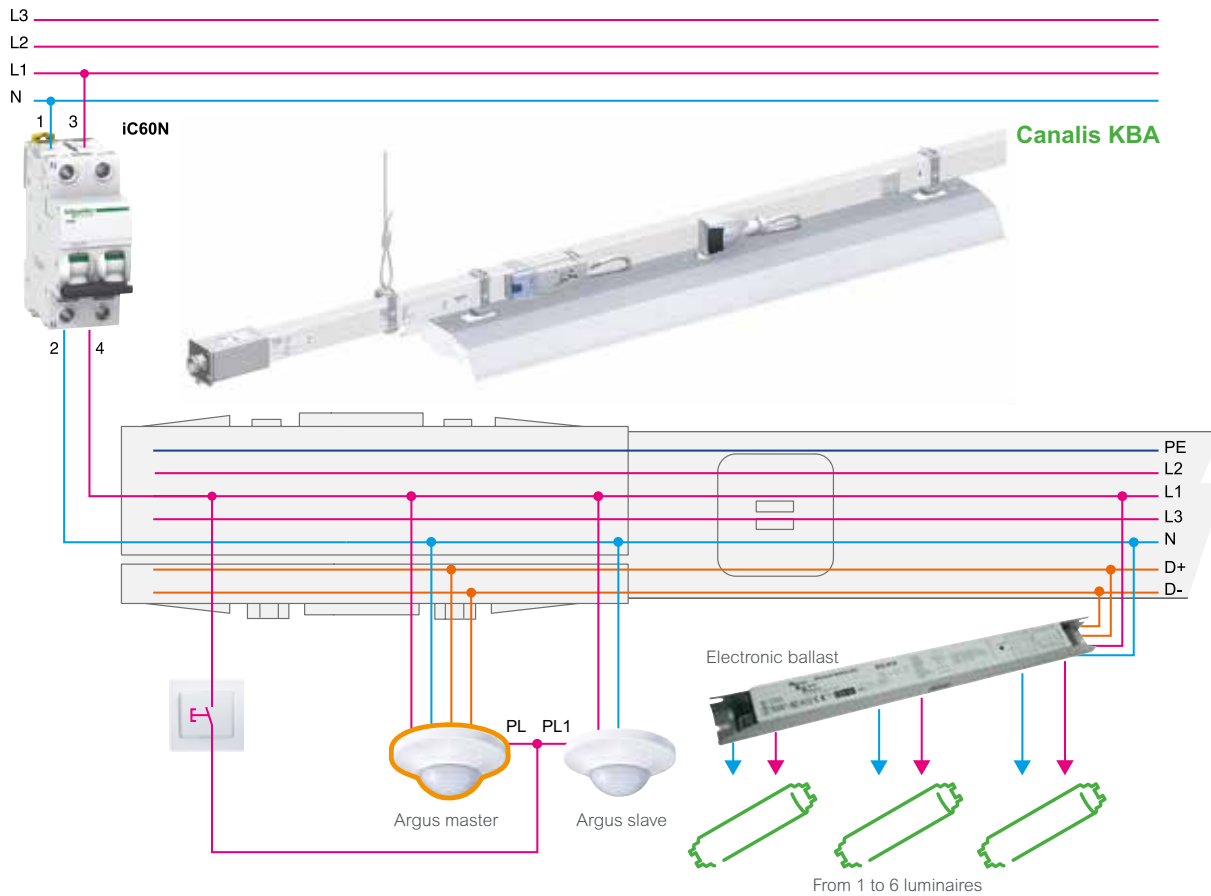
- Fewer cables: a single duct incorporates the power and the DALI communication buses for the master and slave Argus detectors and DALI ballast (option T of the KBA product ranges).
- Communication between the master and slave Argus devices and override control push buttons uses the power supply conductor (power line carrier).
- The prefabricated lighting electricity distribution system allows flexibility of installation for arrangement or rearrangement of space, without altering the electrical structure.
- Modification of the installation will be easy thanks to the modularity and extreme ease of assembly and disassembly of the Canalis components.

se.com

Life Is On

**Schneider**  
Electric

# Solution Diagram



## Specifications

- Decentralized DALI lighting system without programming must be used to control the lighting.
- The use of a busbar trunking system should insure simplification of office rearrangement.

### Products used

Product	Function	Quantity	Reference
Canalis busbar trunking	Tap-off connectors	1	KBC16DCB21+KBC16ZT1
Canalis busbar trunking	Connectors for Argus master detector	1	KBC16DCB40+KBC16ZT1
Canalis busbar trunking	Connectors for Argus slave detector	1	KBC10DCB40
Canalis KBA	40 A straight element (with communication bus)	-	KBA40ED4303TW
Canalis KBA	40 A power supply box	1	KBA40ABG4TW
Canalis KBA	Fasteners	-	KBA40ZFUW
Acti9 iC60N	MCB 1P+N	1	Depend on rating

More about  
KBA



Scan or click on  
QR code

se.com

Life Is On

**Schneider**  
Electric

Schneider Electric Industries SAS  
35, rue Joseph Monier - CS 30323  
F92506 Rueil-Malmaison Cedex

Document Number CA9SS039E ©2019 Schneider Electric. All Rights Reserved.  
Life Is On Schneider Electric is a trademark and the property of Schneider Electric SE, its subsidiaries and affiliated companies