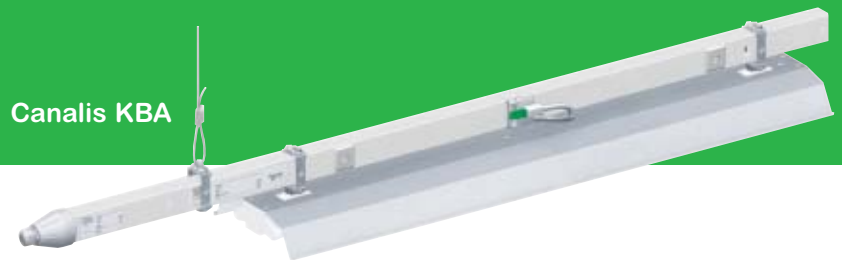


# Managing the lighting of a convenience store or superette

KBA, rigid busbar trunking



## Customer needs

The manager of a convenience store wants to automate its lighting system.

His store comprises two separate lighting areas: storage and sales.

The lighting must be reduced: one luminaire out of three during delivery, after closing and at cleaning time, while full lighting must be ensured during opening hours.

The layout of the shelves in the sales area could be reorganized, and the relocation of luminaires should be performed without works.

## Users / customer benefits

- **simplicity and speed of execution:** from design to installation, no constraints, “Canalis” adapts to all store configurations,
- **attractiveness:** the white-colored (RAL 9003) Canalis components ensure consistency with the colors of the luminaires,
- **cost saving:** automation of the installation reduces electricity consumption,
- **flexibility:** no works required when reorganizing the store or changing the sales area.

## Proposed solution

### KBA, rigid busbar trunking

The system chosen is 25 A KBA Canalis busbar trunking.

The luminaires shall be installed directly under Canalis KBA by means of KBA40ZFUW fasteners.

An IHP+ 2c clock combined with contactors ensures lighting scripting.

Manual override control of the lighting will be performed from the electrical switchboard.

Alteration of the installation during reorganization of the shelves will be simplified by the modularity and extreme ease of assembly and disassembly of the Canalis components.



Convenience store or superette

## Preferred application

- small stores,
- superettes,
- etc.

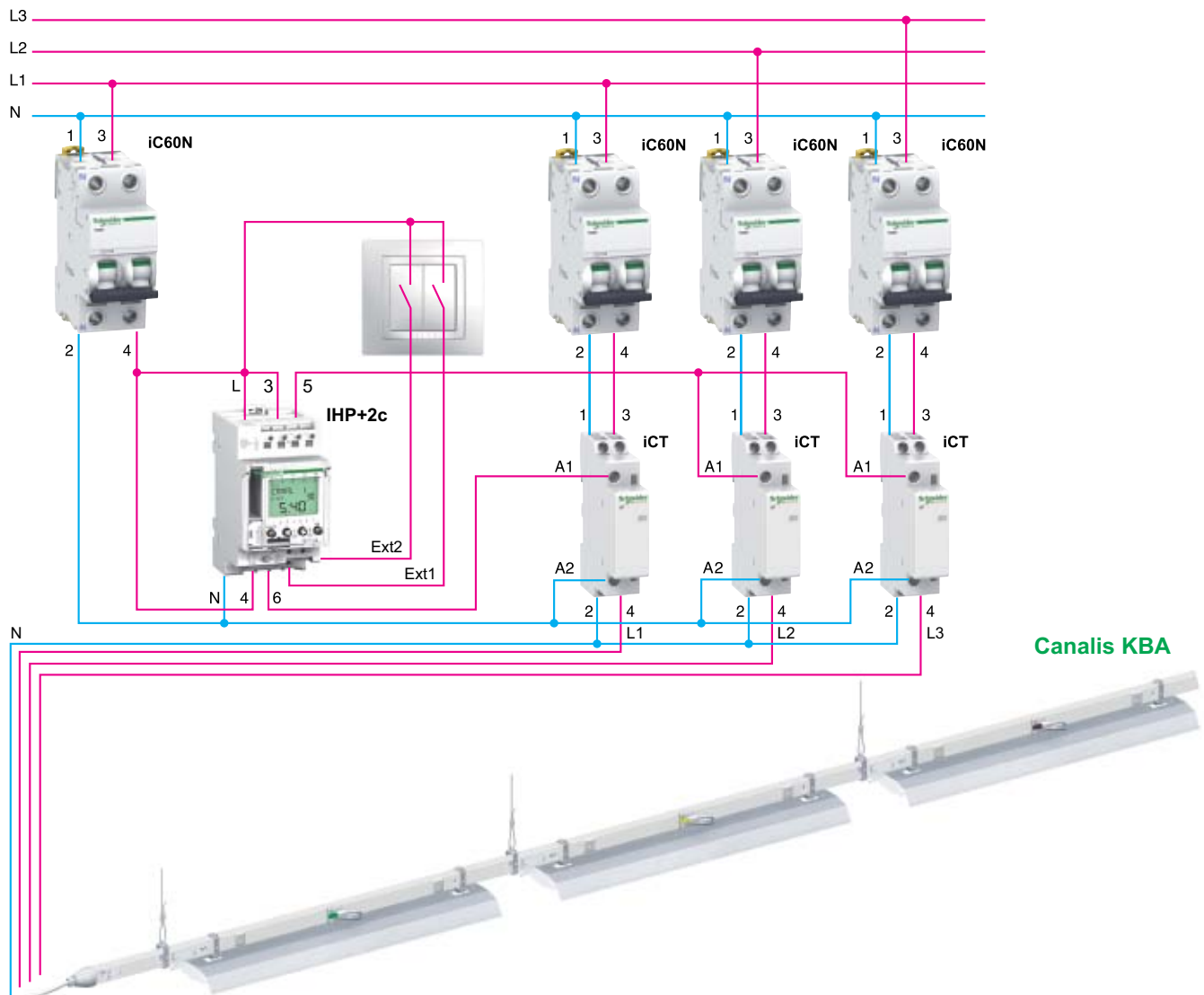
Pre-cabling + time programming =  
lighting in the right place +  
lighting at the right time

## Specifications

The use of a decentralized lighting electrical distribution architecture (prefabricated).

Being able to reorganize the lighting layout without altering the electrical installation.

## Solution diagram



## Products used

Product	Description	Unity	Cat. no.
Canalis KBA	25 A straight element	-	KBA25ED4303W
Canalis KBA	25 A power supply box	1	KBA25ABG4W
Canalis KBA	Fasteners	-	KBA40ZFUW
Canalis busbar trunking	Tap-off connectors	-	KBC10DCS101, 201, 301
iC60N	C2 A 2P circuit breaker	1	-
IHP+ 2c	Programmable time switch with 2 output contacts	1	CCT15853
iC60N	C16 A 2P circuit breaker	3	-
iCT	25 A 2P contactor	3	-