

Automated lighting for building surroundings

“Lighting control: IC100 twilight switch”



Customer case

When a public or tertiary building requires illumination of its surroundings at night-fall, simple time programming is not sufficient to ensure comfort and energy saving at the same time as the brightness threshold varies according to season and climate. The site manager wishes to light up the surroundings when the natural brightness threshold becomes insufficient, and switch off automatically when daylight is sufficient again.

Benefits

- Simplicity of installation.
- Energy optimization.
- Robustness.
- Indication of front panel brightness threshold (LED).
- Setting the tripping threshold from 2 to 100 lux.
- Comfort.

Our recommendation

The IC100 twilight switch is the ideal product for problem-free management of these needs. Once installed and its threshold set, it will automatically switch on and turn off the lighting at the right time. A built-in time delay avoids untimely closing or tripping during undesired transient brightness conditions.

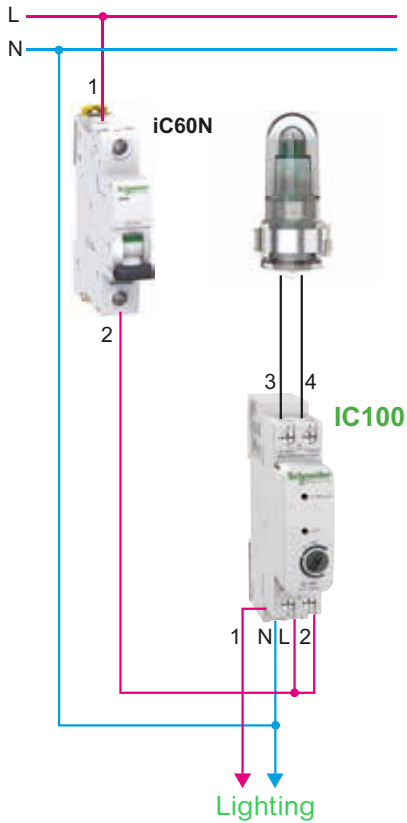
se.com

Life Is 

Schneider
Electric

Solution

Diagram



Specifications

- The photoelectric cell detects low brightness, causes closure of the twilight switch contact and ensures lighting.
- The twilight switch monitoring light comes on when brightness threshold is reached and switches off lighting.
- For higher powers, it's recommended to use a contactor to control the lighting. The contactor and breaker ratings depend on the installed power and the load type.

Products used

Product	Function	Quantity	Reference
Acti9 IC100	Twilight switch (delivered with wall-mounted cell)	1	CCT15482
Acti9 iC60N 1P	MCB	1	Depend on rating

More about
IC100



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 ISC01573EN ©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