

# Optimize production hall lighting

“Luminosity measurement and time programming brings optimization”



## Customer case

The factory owner wants to light up the production area at nightfall and save energy by automatically switching off the lighting late at night when the plant is empty. He wants to prevent the lighting from switching on, on plant closure days.

## Our recommendation

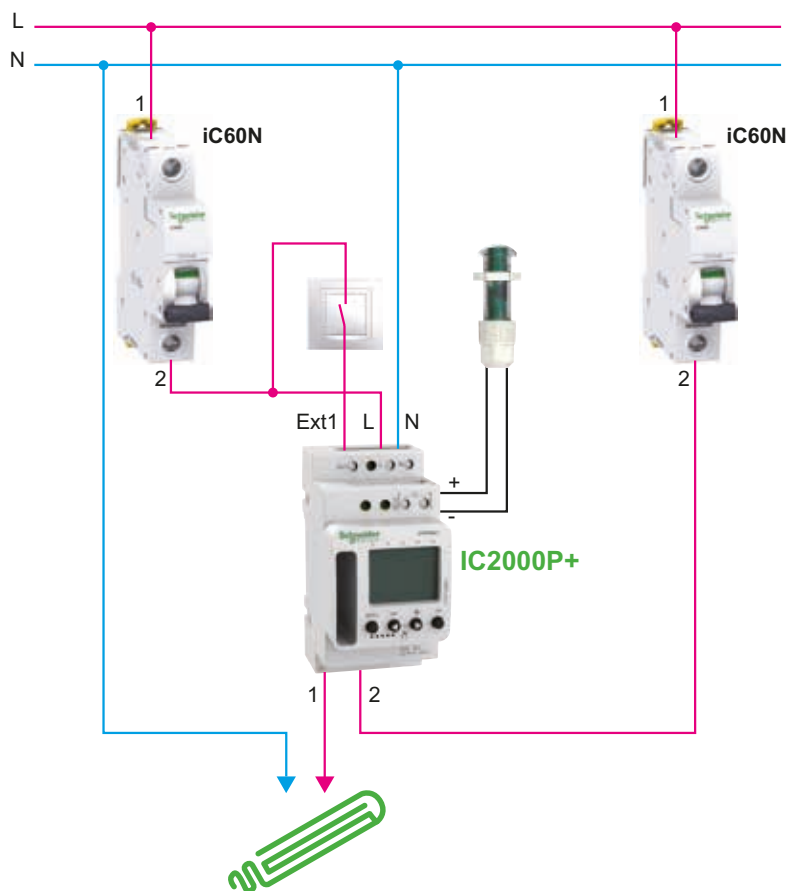
Use a twilight switch to automatically control production area lighting according to brightness and/or the time of the day in association with a programmable time switch to turn the lighting On and Off at the set times whenever the plant is working.

## Benefits

- Excellent production area lighting as soon as night starts to fall.
- Energy saving improvement by automatically extinguishing the lighting when there are no workers in the hall.
- A heightened feeling of comfort is provided at minimum cost as the lighting is always “On” when it is dark.
- The settings are easily accessible on the products located in the electrical distribution panelboard.

# Solution

## Diagram



## Specifications

- The programmable twilight switch associated with a switchboard cell:
  - program on the twilight switch the period when you might need light (example: from 9 p.m. to 6 a.m. except Saturday and Sunday),
  - set the lighting operation threshold on the twilight switch according to the external brightness (example: 200 lux).
- Switching the external input on with a switch turns on the light permanently.
- Circuit-breakers to protect the devices and the lighting circuits.
- Modular contactor needed if power consumption exceeds 2600 W.

Products used			
Product	Function	Quantity	Reference
Acti9 IC2000+	Programmable twilight switch (supplied with a switchboard cell)	1	CCT15483
IC indoor cell	Analogue indoor light sensor cell	1	CCT15262
Acti9 iC60N 1P	MCB	1	Depend on rating
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More about  
IC2000P+



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

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