

## Photocontrol Response Time during Installation Testing

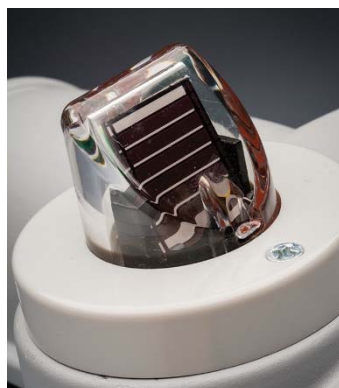
**Subject** Evluma AreaMax Integrated Photocontrol Response Time during Installation Testing

**Scope** Design improvements to the Evluma integrated photocontrol may result in varied photocontrol response times during installation testing. An examination of the methods for testing the integrated photocontrol is required.

### Result of Analysis

Response times during the installation testing of all market available photocontrols vary based on pre-installation lighting conditions. Because Evluma integrated photocontrols on AreaMax shipped after September 1, 2015 appear differently (see images below) from previously shipped units, observed changes in photocontrol response times may translate to a quality concern on the part the installer.

When an outdoor luminaire with dusk-till-dawn functionality is installed, it is common practice for the installer to place a gloved hand over the photocontrol to confirm that the photocontrol and luminaire are energized and in good operating condition. The level of light that the photocontrol is exposed to prior to being covered for the test affects the turn-on delay, so does the amount of light leaking through the installer's glove. For most photocontrols a capacitor stores light energy as a safety precaution against rapid changes in lighting, such as clouds passing or headlights. This maintains the consistent, safe operation of the luminaire. When tested under a variety of light levels, Evluma's integrated photocontrol may take anywhere from 10 seconds to 2 minutes to energize the AreaMax.



*photocontrol before 9/1/2015*



*photocontrol after 9/1/2015*

**Recommendation:**

At installation, every model of the AreaMax will flash when connected to power. This flash indicates that the AreaMax is functioning properly. A red LED light located at the edge of the white internal reflector also serves to indicate that the AreaMax is connected to power. This small red LED light may be hard to see in bright sunlight.

It is not necessary to perform a “glove test” on AreaMax models with the integrated photocontrol. If this is the preferred method of testing, please allow up to two minutes for the photocontrol to energize the light. When testing the photocontrol, confirm the access panel is closed to prevent light from coming in through the panel opening.

**Models Affected** (as of 11/23/15)

AMAX-40-5K-6-V-D-P-0  
AMAX-40-5K-6-V-D-P-CST  
AMAX-40-4K-6-V-D-P-0  
AMAX-40-4K-6-V-D-P-CST

AMAX-40-5K-6-V-C-P-0  
AMAX-40-5K-6-V-C-P-CST  
AMAX-40-4K-6-V-C-P-0  
AMAX-40-4K-6-V-C-P-CST

AMAX-70-5K-6-V-D-P-0  
AMAX-70-5K-6-V-D-P-CST  
AMAX-70-4K-6-V-D-P-0  
AMAX-70-4K-6-V-D-P-CST

AMAX-70-5K-6-V-C-P-0  
AMAX-70-5K-6-V-C-P-CST  
AMAX-70-4K-6-V-C-P-0  
AMAX-70-4K-6-V-C-P-CST