## Models

| Colour | Ref: |
|---|---|
| ■ Blue | 4365-10194 |

## Technical Details

| | | | | |
|---|---|---|---|---|
| **Tension** | 5V DC | | **Wide** | 45 mm |
| **Use** | Indoor | | **Lenght** | 165 mm |
| **IP Protection** | IP20 | | **Brand** | MEAN WELL |
| **Material** | Pc | | **Colour** | Blue |
| **High** | 25 mm | | | |

# Description

This Meanwell SDP-001 Programmer allows us to program Mean Well LED Driver (ELG-D2 y NPF-D2) functions, thanks to the ''Smart Timer Dimming Function''.

The programming functions are:

- **Maximum Output Current (AOC):** This allows us to turn a driver that's say, 500mA, into a driver that is 450mA, adjusting the output current to 90% without having to a adjust manually.

- **Constant Light Brightness (CLO):** We can begin with maximum output intensity and compensate the output current, depending on the hours of use, in order to compensate for the losses that the LEDs have due to hours of use. For example, if we want to maintain a level of brightness on a surface that's 500 Lux, and our luminaire initially provides a brightness of 600 Lux, however within 5 years we calculate a 10% loss of brightness, we can adjust the driver to provide only an 80% output current and offer 100% intensity in 5 years time in order to compensate for the loss the LED has suffered.

- **Dynamic Nocturnal Programming:** We can adjust the output arch depending on the hours of use, so that during the hours of least traffic, the output brightness is automatically reduced. This can be done with fixed or dynamic programming on certain hours proportionally or at exactly midnight. For more information, consult the instruction manual.

- **Adjust transmission times** between different levels to achieve a transition of levels of brightness which avoids glare and undesired effects. We can program the transition times between each level.

- We can also configure the **override function** in order to stop the dynamic programming at an exact time and maintain 100% brightness during the night.

- The software also allows us to **check the working hours** of the LED driver, as with the LED module.

- By opening the programme, by default a 4-step dimming programme:

    Step 1: First 6 hours → 100% Brightness
    Step 2: Next hour →  70% Brightness
    Step 3: Next 4 hours → 50% Brightness
    Step 4: Until Off → 70% Brightness

We can choose this profile by default, or create our own profile, depending on the requirements for each environment.

Download Software Smart Timer Dimming Program v1.1

## Additional photographs