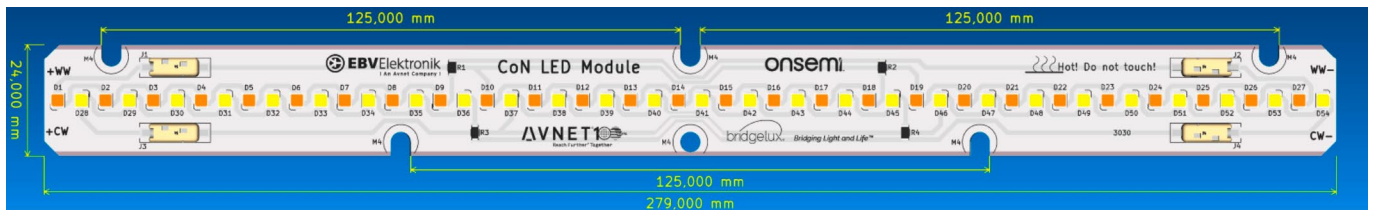


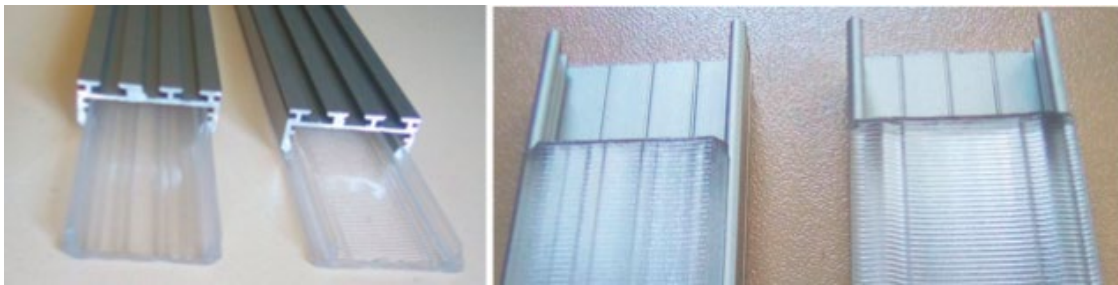
# Convergence (CoN) Natural Light Module Bridgelux

EBV Elektronik offers a dual-channel CCT (tunable white) general lighting LED demonstration module comprising 54 (2 x 27) Bridgelux Thrive™ 3030 SMD LEDs. There are two light sources on the module: Warm White (2700K) and Cold White (6500K), each composed of 3 parallel strings of 9 LEDs. The LEDs are assembled on a standard Zhaga aluminum PCB, which is slid into an aluminum profile and covered with the LEDiL LINDA lens. There are two lens variants inside the EBV CoN demo kit.

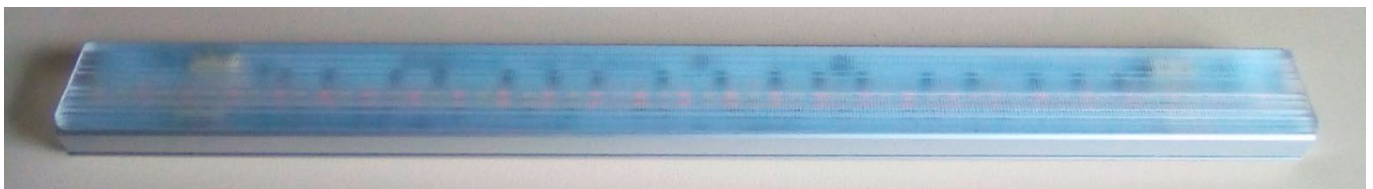
## Zhaga-compliant CoN Led Module Aluminium PCB



## Aluminium Profile and Lenses



## Assembled module



## Specifications

- Zhaga PCB dimensions: 279 mm x 24 mm; PCB thickness 1 mm; 6 x M4 mounting holes
- LEDiL LINDA lens: PMMA with great color over angle and optical efficiency performance
- Assembled LED module dimensions: 26 mm x 280 mm x 11 mm
- LED technology: Bridgelux Thrive™ 3030 SMD LEDs with 8% ASD, CRI > 95%, and 138 lm/W
- LED distribution: 27 x LEDs WW 2700K and 27 x LEDs CW 6500K
- Nominal Lumens: WW 580 lm and CW 690 lm at 24 V/195 mA
- Maximum Lumens: WW 1200 lm and CW 1500 lm at 27 V/450 mA
- Daisy chain module capability thanks to TE Connectivity Wire-to-Board Poke-In connectors

## Target Applications

Tunable white luminaires incorporating circadian elements that positively affect the well-being of people in offices, education, healthcare, hospitals, retail, architecture, museums, and residential lighting.

This module is a perfect companion to onsemi Connected Lighting Kit (Lighting-1-GEVK). It can also be driven by any compatible dual-channel CCT driver and daisy-chained to demonstrate the ability to form larger luminaires.

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