

# LUMAWISE DRIVE LED HOLDER TYPE Z50

TE Connectivity (TE)'s LUMAWISE drive LED Holder Type Z50 allows luminaire designers to remove driver boxes from spot and track lighting, creating a more aesthetically pleasing solution and removing cost from the system. The LUMAWISE drive Type Z50 brings integrated functionality to TE's already successful, Zhaga inspired, Z50 range of LED holders. Incorporating a DC/DC driver into the holder itself provides a low profile constant current driver for CoB's, spot and track lighting. Designed for 48VDC input, it works with a wide range of readily available constant voltage power supplies meaning powering multiple fixtures off a single power supply is now possible. A 0-10V dimming option adds dimmability to the holder for added functionality.



## Applications

- Track Lighting
- Spot Lighting
- Downlights

## Mechanical

- Dimensions: 20x24mm
- Electrical connection: 4 pins (2x2) connection
- Mechanical connection: 20x24mm
- Target: 0.4 - 0.6 mm
- LED Outline and LED size: 24x24, Ø21.5mm  
20x24, Ø18.0mm  
18x18, Ø17.7mm  
16x18, Ø14.0mm
- Form Factor: Zhaga Book 12 Inspired
- CoB thickness: Nominal 1mm
- CoB types: Both ceramic or aluminium types
- IP rating: IP20
- Mounting connector Push with housing: Yes
- Mounting Cable Assembly: On/Off version: 1-2058943-0  
0-10V version: 1-2058943-7

## Specifications

- Standards: EN60598-2-2  
EN60547-2-13  
UL8754  
UL8750
- Application Specification: 194-133062
- Environmental: RoHS and Reach compliant

## Benefits

- Achieve design flexibility through a Driver on Board solution
- Achieve design flexibility with four different components of Zhaga Book 12
- Achieve design flexibility with an electrical connection to four different CoB sizes:
  - 20x24mm
  - 18x18mm
  - 24x24mm
- Achieve design flexibility with an LED holder available with four different current outputs:
  - 350mA
  - 500mA
  - 700mA
  - 1050mA
- Obtain added functionality with 0-10V dimming versions available

## Materials

- Halogen free glass filled PBT housing
- FR4 circuit board
- Copper alloy electrical contacts

This document is obsolete,  
for more information on our  
LUMAWISE LED holders,  
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