



LUMAWISE ENDURANCE BRIDGE

STREETLIGHTING POLE MOUNTED BRIDGE (ASSEMBLY)

Designed to bridge the connectivity between remotely mounted sensors or control devices and a luminaire. The LUMAWISE Endurance bridge extends the relevance of the Zhaga-D4i ecosystem beyond the form factor of a cobra head luminaire. Zhaga or ANSI interfaces work well on cobra heads as there are lots of horizontal mounting surfaces. This is not the case for many other forms factors in the heritage and decorative luminaire market.

LUMAWISE Endurance bridge is a pole mounted housing that is both functional and aesthetically fitting for modern and historic luminaires.

LUMAWISE Endurance bridge will fit into the Zhaga-D4i or ANSI ecosystems and allow control devices to be mounted remotely, by extending control and power lines beyond the luminaire.

APPLICATIONS

- Heritage and decorative luminaires
- High mast lighting
- Urban lighting
- Historically protected and important luminaires

ELECTRICAL

- 33VDC, 305mA

MECHANICAL

- Height 80mm, length 135mm
- Cable length 1.5m, 6m

MATERIALS

- Bracket: PBT
- Receptacle: housing PBT, gasket LSR

STANDARDS & SPECIFICATIONS

- UL UV-f1 rated for outdoor use
- IEC 60529
- IEC 62262
- CE Marked
- DALI Part 151
- Application Specification: [114-161163](#)
- Product Specification: [108-161586](#)

KEY FEATURES

- One to two Zhaga interfaces, upwards and/or downwards facing, per bracket
- In built surge protection on both DALI and auxiliary lines
- 800V surge, both polarities
- 56V (DALI Bus) and 66V (AUX) maximum clamping voltage
- Pole and wall mounted options
- Capable to fit poles with Ø50mm to Ø100mm and Ø100mm to Ø200mm
- Tapered pole compatible
- Suitable for pole section thickness of 2.5mm to 6mm
- Screwed directly to the pole or strap fixable
- Prevents downwards facing device from collecting water
- IP66 and IK09 rated
- Two cable exit options. For internal and external pole routing
- Pre-installed connection via (3) 0.75mm² conductors, sunlight resistant cable

BENEFITS

- Allows for control devices to be connected to a luminaire without adding unsightly devices to the luminaire
- Inbuilt surge protection designed to help protect control devices from induced surges on the signal lines, as defined in DALI Part 151
- Allows controls to be retro fitted to existing LED luminaires in the field
- Pole and wall mounted adaptor options available
- Self-designed skins can be fitted to the bracket to match the design aesthetics of most luminaire design

LUMAWISE ENDURANCE BRIDGE

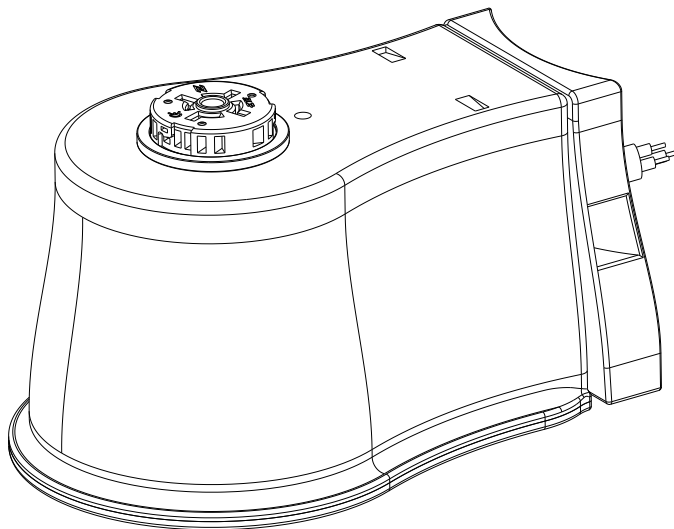
PART NUMBERS

Item	Part Number	Number of Receptacles	Wall or Pole Mountw	Cable Routing	Cable lenght (m)
1	1-2465542-1	Upper and lower Receptacle	Pole 50-100mm	Pole Interior	1.5
2	1-2465542-5	Upper and lower Receptacle	Pole 50-100mm	Pole Interior	6.0
3	1-2465542-2	Upper Receptacle only	Pole 50-100mm	Pole Interior	1.5
4	1-2465542-3	Lower Receptacle only	Pole 50-100mm	Pole Interior	1.5
5	2-2465542-1	Upper and lower Receptacle	Pole 50-100mm	Pole Exterior	1.5
6	2-2465542-5	Upper and lower Receptacle	Pole 50-100mm	Pole Exterior	6.0
7	2-2465542-2	Upper Receptacle only	Pole 50-100mm	Pole Exterior	1.5
8	2-2465542-3	Lower Receptacle only	Pole 50-100mm	Pole Exterior	1.5
9	3-2465542-1	Upper and lower Receptacle	Pole 100-200mm	Pole Interior	1.5
10	3-2465542-5	Upper and lower Receptacle	Pole 100-200mm	Pole Interior	6.0
11	3-2465542-2	Upper Receptacle only	Pole 100-200mm	Pole Interior	1.5
12	3-2465542-3	Lower Receptacle only	Pole 100-200mm	Pole Interior	1.5
13	4-2465542-1	Upper and lower Receptacle	Pole 100-200mm	Pole Exterior	1.5
14	4-2465542-5	Upper and lower Receptacle	Pole 100-200mm	Pole Exterior	6.0
15	4-2465542-2	Upper Receptacle only	Pole 100-200mm	Pole Exterior	1.5
16	4-2465542-3	Lower Receptacle only	Pole 100-200mm	Pole Exterior	1.5
17	5-2465542-1	Upper and lower Receptacle	Wall	Wall Exterior	1.5
18	5-2465542-5	Upper and lower Receptacle	Wall	Wall Exterior	6.0
19	5-2465542-2	Upper Receptacle only	Wall	Wall Exterior	1.5
20	5-2465542-3	Lower Receptacle only	Wall	Wall Exterior	1.5
21	9-2465542-9	Upper and lower Receptacle	Pole 50-100mm, Pole 100-200mm, Wall, all included	Pole Interior, Wall Exterior	1.5
22	9-2465542-8	Upper and lower Receptacle	Pole 50-100mm, Pole 100-200mm, Wall, all included	Pole Interior, Wall Exterior	6.0

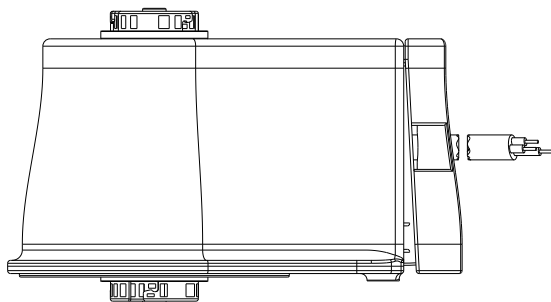


LUMAWISE ENDURANCE BRIDGE

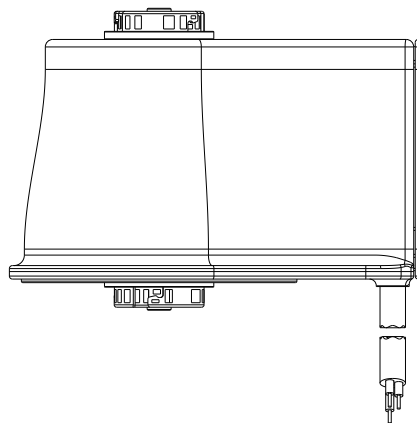
PRODUCT



POLE MOUNT



WALL MOUNT



Please refer to product drawing for detail dimension

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.

Visit te.com/support to chat with a Product Information Specialist.

te.com/lumawise-endurance-bridge

TE, TE Connectivity, LUMAWISE and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

© 2026 TE Connectivity. All Rights Reserved.

Published 04-26