

## Introducing the Casambi-Ready bDW Driver Series - Wireless Control, Built In

### Wireless Control. Compact by Design

The Tridonic bDW SC range delivers wireless-ready performance in an ultra-compact driver format. Designed for space-constrained luminaires, these drivers integrate seamlessly with basicDIM Wireless to enable Casambi-based control without additional wiring. Ideal for downlights, spots and compact luminaires, the bDW SC platform allows OEMs to create discreet, connected lighting solutions without compromise.

### Key Benefits

CASAMBI Casambi-Ready bDW Dimming



Luminaire Mountable

Remote Mountable with the Addition of Strain Relief Set (sold separately)



### Your Gateway To Wireless Lighting

10w – 45w Compact Constant Current LED Drivers with Wireless Dimming – Adjustable Current via I-SELECT plugs (sold separately)

| 10w    45w Compact Constant Current LED Drivers with Wireless Dimming    Adjustable Current via 1-5LEDS+ plugs (sold separately) |                               |             |         |                  |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|---------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|
| W                                                                                                                                | Description                   | Article No. | Housing | Forward Voltage  | 150mA      | 200mA      | 250mA      | 300mA      | 350mA      | 400mA      | 450mA      | 500mA      | 550mA      | 600mA      | 650mA      | 700mA      | 750mA      | 800mA      | 850mA      | 900mA      | 950mA      | 1000mA     | 1050mA     | 1100mA     | 1150mA     | 1200mA     | 1250mA     | 1300mA     | 1350mA     | 1400mA     |   |
| 10w                                                                                                                              | LC 10/150-400/40 bDW SC PRE2  | 28002411    | SC      | Vf Min<br>Vf Max | 15v<br>40v | 15v<br>40v | 15v<br>40v | 15v<br>33v | 15v<br>29v | 15v<br>25v |            |            | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          |   |
| 17w                                                                                                                              | LC 17/250-700/50 bDW SC PRE2  | 28002412    | SC      | Vf Min<br>Vf Max | -          | -          | 15v<br>50v | 15v<br>50v | 15v<br>49v | 15v<br>43v | 15v<br>38v | 15v<br>34v | 15v<br>31v | 15v<br>28v | 15v<br>26v | 15v<br>24v | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | - |
| 25w                                                                                                                              | LC 25/350-1050/50 bDW SC PRE2 | 28002413    | SC      | Vf Min<br>Vf Max | -          | -          | -          | -          | 20v<br>50v | 20v<br>50v | 20v<br>50v | 20v<br>50v | 20v<br>45v | 20v<br>41v | 20v<br>38v | 20v<br>35v | 20v<br>33v | 20v<br>31v | 20v<br>29v | 20v<br>27v | 20v<br>26v | 20v<br>25v | 20v<br>23v | -          | -          | -          | -          | -          | -          | -          | - |
| 45w                                                                                                                              | LC 45/500-1400/50 bDW SC PRE2 | 28002414    | SC      | Vf Min<br>Vf Max | -          | -          | -          | -          | -          | -          | -          | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>50v | 25v<br>47v | 25v<br>45v | 25v<br>42v | 25v<br>40v | 25v<br>39v | 25v<br>37v | 25v<br>36v | 25v<br>34v | 25v<br>33v | 25v<br>32v |   |

14w – 28w Compact Constant Current LED Drivers with Wireless Dimming – Adjustable Current via NFC Programming

| W   | Description                     | Article No. | Housing | Forward Voltage  | 100mA       | 150mA       | 200mA       | 250mA       | 300mA       | 350mA       | 400mA       | 450mA       | 500mA       | 550mA       | 600mA       | 650mA       | 700mA       |
|-----|---------------------------------|-------------|---------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 14w | LC 14/100-400/42 bDW NF SC EXC3 | 28003713    | SC      | Vf Min<br>Vf Max | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>35v | 7.5v<br>35v | -           | -           | -           | -           | -           | -           |
| 28w | LC 28/300-700/42 bDW NF SC EXC3 | 28003715    | SC      | Vf Min<br>Vf Max | -           | -           | -           | -           | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>42v | 7.5v<br>40v |

### NFC-Programmable

Selected bDW SC drivers feature NFC programming, allowing output current configuration using the Tridonic companionSUITE app. This enables fast, contactless setup during luminaire production or commissioning, without powering the driver.



### Remote Mounting Flexibility

The optional strain relief set allows bDW SC drivers to be installed remotely outside the luminaire, supporting ceiling-void installations where space within the fitting is limited.

(Accessory sold separately – 28001168)

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### Compact Drivers with Wireless Dimming

