

Tunable White Wireless Driver

The tunable white wireless driver natively integrates the Orluna light portfolio into a Lutron system with wireless Clear Connect - Type X (CCX) technology.

This driver is designed for exclusive use with compatible Orluna tunable white light fixtures.

Features

- Works seamlessly with HomeWorks QSX, RadioRA 3, Athena, and myRoom XC systems
- User-programmable intensity and color temperature presets, including warm dimming to mimic the dimming curve of an incandescent lamp
- Enables individual fixture addressing, control, and configuration using the CCX wireless protocol
- Programming presets can automatically change the color temperature based on the time of day
- 1800 K - 4000 K tunable white light
- 2-channel, continuous, flicker-free dimming from 100% down to 0.1% of measured light output¹

Compatibility:

- Only for use in Orluna fixtures with the Origin Tuneable light engine (specification code prefix OT-)
- The output electrical current rating on the driver label must match the fixture specifications
- See www.orluna.com for a complete list of compatible products
- Not suitable to be covered with thermally insulating material



¹ Tunable white performance is maintained from 100% down to 1%.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Electrical

- Input: 220-240 V~ 50-60 Hz 0.1 A
 - Input wire (single conductor):
0.5 mm² to 2.5 mm² (22 AWG to 14 AWG)
 - Input cable diameter: 4 mm to 5.5 mm
- Output: 41 V== 200-300 mA
12.3 W max combined
 - Max wire diameter:
0.75 mm² - 1.5 mm² (20 AWG to 16 AWG)
 - Output cable diameter range: 4 mm to 5.5 mm
 - For use with multiconductor cable
- CCX devices require continuous power for optimal mesh performance and must be wired such that their power cannot be inadvertently or frequently interrupted
- Bypass any dimmer or switch in between the breaker and the CCX device

Radio Frequency for Wireless Communication

- 2.4 GHz

Mechanical

- Housing material: Polymer
- Mounting: Screw hole flanges

Dimensions

- Driver length: 190 mm
- Driver width: 40 mm
- Driver height: 36 mm

Regulatory Approvals

- IEC 61347-2-13
- REACH compliant
- CE and UKCA certified
- Independently mounted Class II controlgear

Environmental

- Ambient operating temperature:
0 °C to 40 °C
- Relative humidity: 0% – 90% non-condensing
- Indoor use only
- IP rating: IP20

Safety

-  Independent controlgear that can be used where normally flammable materials, including building insulation, are or may be present, but cannot be abutted against any material and cannot be covered in normal use
Note: Minimum recommended distance between the sides of the driver and any building element or insulation is 130 mm

Communication

- All CCX devices must be within 23 m of their assigned wireless processor or gateway
- Each CCX device must have at least two other non-battery powered CCX devices within 6 m
- Groups or clusters of CCX devices assigned to the same processor or gateway must not be separated by more than 6 m
- It is recommended that the wireless processor or gateway and the CCX devices assigned to it are located on the same floor of the building
- CCX devices must be placed a minimum of 1.0 m from 2.4 GHz interference sources such as Wireless Access Points (WAPs), microwave ovens, and Vive hubs
- Radio Powr Savr occupancy/vacancy sensors (LRFx) must be mounted at least 0.6 m away from CCX devices

Warranty

- www.lutron.com/warranty or call +1.610.282.3800 for a printed copy

Job Name:	Model Numbers:	
Job Number:		

— TW —

CME: Commercial
(Athena/myRoom XC)

DA300: 300 mA max

TW: Tunable White

Model Number	Description
LU-TW-DACS1-E	Replacement end cap kit (contains 1 end cap and 2 screws)

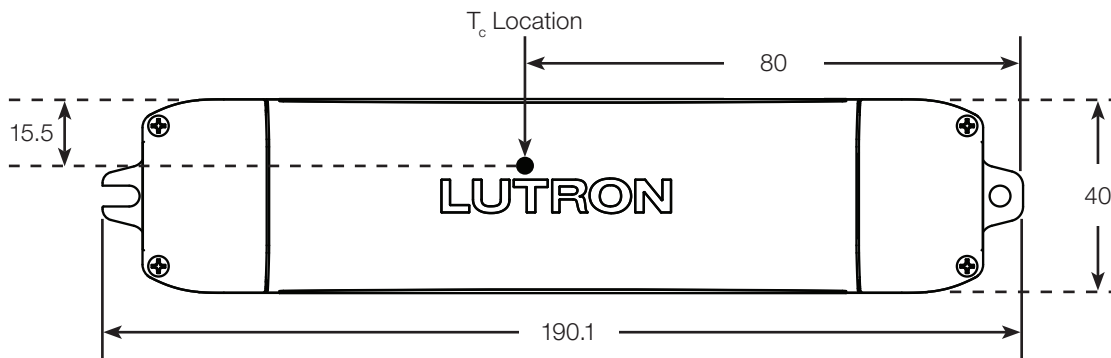
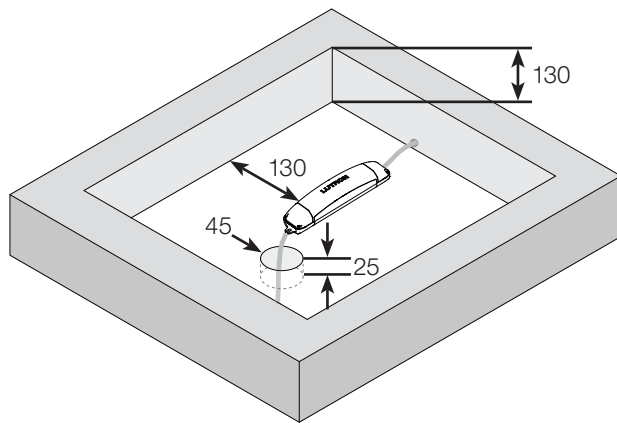
Job Name:			Model Numbers:		
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Dimensions

All dimensions shown as: mm

- Minimum ceiling opening: 45 mm diameter
- Maximum ceiling thickness: 25 mm
- Minimum ceiling void: 130 mm vertically
- Minimum required distance between the driver and the heatsink of the LED load: 50 mm
- Minimum recommended distance between the sides of the driver and any building element or insulation: 130 mm
- Minimum recommended distance between the top of the driver and any building element or insulation above: 90 mm
- Not suitable to be covered with thermally insulating material

Note: The driver may fit into ceiling spaces with less clearance if the ceiling hole is larger than the minimum and/or ceiling thickness is less than the maximum.



Job Name:	Model Numbers:	
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Wiring Diagram

Maximum remote mounting: 2 m distance between the wireless driver and the fixture



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