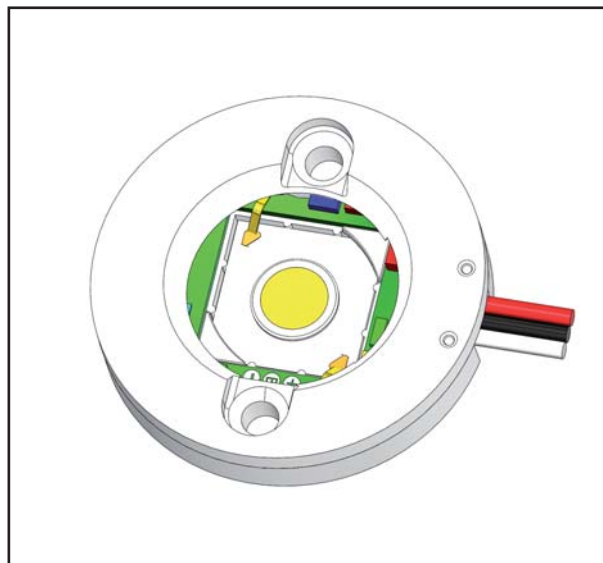


DESCRIPTION:

- Led Driver OMEGA 35 is an electronic driver featuring constant current output;
- Same device can work as stand alone or addressable application (DALI, Bluetooth, etc..)
 - It allows luminaire designers to remove driver boxes from spot and track lighting, creating a more aesthetically solution and removing cost from the system;
 - It can be used for lighting equipment in protection class III;
 - the OMEGA 35 can be supplied with Lens Holder (on request).



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FEATURES

- Constant Current mode output
- For Class 2 External power unit
- IP20 rating for indoor installations
- Ripple Free
- Flicker Free
- Deep and smooth dimming to 0%
- Wide Output range
- Protection against overheating, short circuits, overloads
- Typical lifetime > 100.000 hours (no ecap)
- 5 years warranty

BENEFITS

- Same device can work as stand alone or addressable application (DALI, Bluetooth, etc..)
- Elegant Luminaire design; "driver on board" solution, small size
- Wires foldable till 90°
- Provide thermal and electrical connection for CoB sizes 13,5 x 13,5mm
- Control interface
 - DALI LOW VOLTAGE INTERFACE, BLE (with external isolated interface)
 - 0-10V/1-10V/PWM (with or without external isolated interface)



TYPICAL APPLICATION

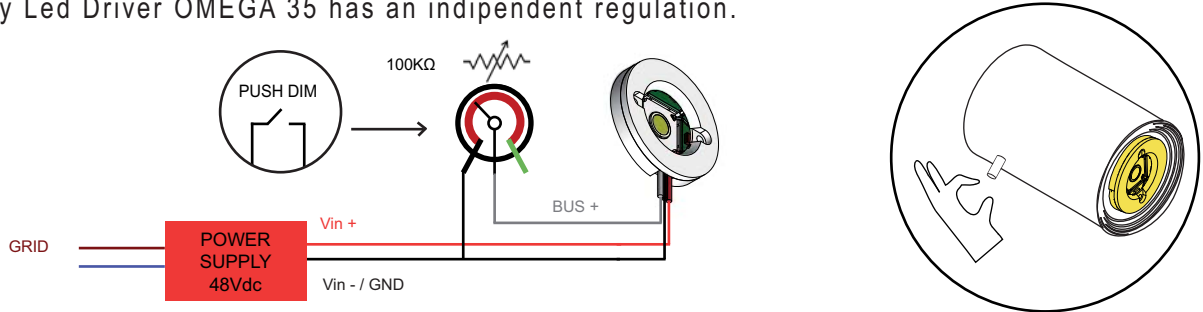
Led Driver OMEGA 35 incorporates a DC-DC driver into the holder for a constant current to CoBs, spot, track and ceiling lighting.

TECHNICAL SPECIFICATION	
Vin voltage range	48V ±5% SELV and US NEC class 2: Isolated output
Maximum Input Voltage	55V (not recommended)
Efficiency	> 90% @ full load
Output Current	5 mA – 500mA
Output Power	0 ÷ 18W
Output current tolerance	±5% including temperature variations
Dim to Off	Yes
Minimum dim level	1% of maximum output
Dimming Curve	Linear/logarithmic
Dimensions	D: 35mm; 6mm Height (Basic Version)
Mechanical Connection	Mounting screws: EU M3x12 UNI7; USA ANSI B18.6.7M687
Electrical Connections	3 Wires: RED V+, BLACK V-/COM, GREY BUS
Max tc point temperature	120°C
CoB size	13,5 x 13,5
Standard	Safety: UL 8750 - UL 8754 - EN 61347-1 - EN 61347-2-13 EN60838-2-2 EMC: EN 55015 FCC part 15
Develed Suite	Tool SW for programming and configuration: <ul style="list-style-type: none"> • Setting every constant lout value within Nominal Range; • Setting thermal threshold for safety dimming; • Setting linear or logarithmic Dimming curve; • Setting current modulation mode (example full analogic mode) • Enable special algorithm: CLO led temperature protection, etc; • It is possible to create and download custom configuration profile • Reading diagnostic information from connected Led Driver: FW version, temperature, over temperature events, over temperature events count, failures, life time. • Firmware upgrade • Setting fade time

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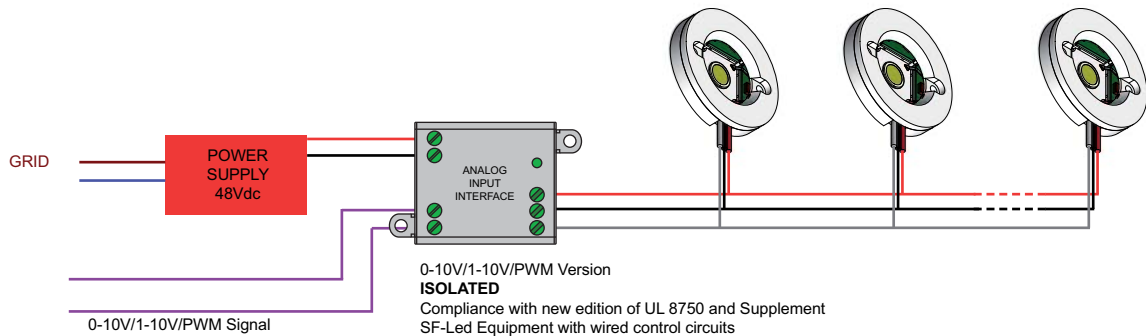
0-10V/1-10V/PWM/PUSH-DIM BUILT IN SOLUTION:

- Led Driver OMEGA 35 built in lamp with potentiometer or push DIM.
- Every Led Driver OMEGA 35 has an independent regulation.



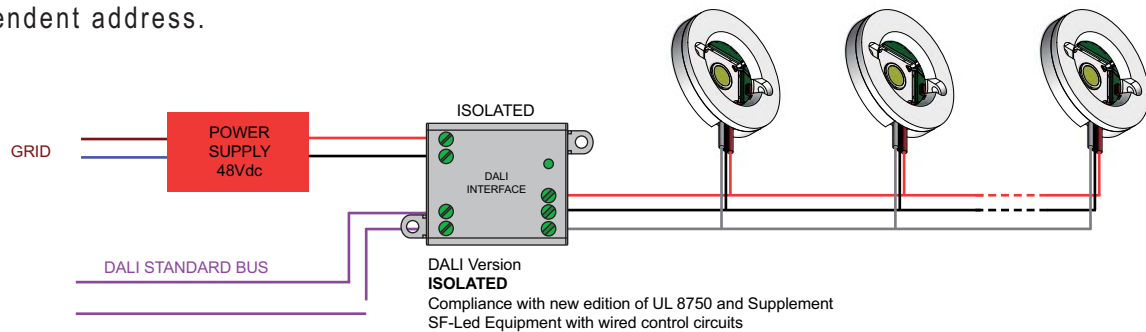
0-10V/1-10V/PWM/PUSH-DIM ISOLATED ARCHITECTURE:

- Throw controller, it is possible send broadcast command to Led Driver OMEGA 35
- Every Led Driver OMEGA 35 executes the same command.



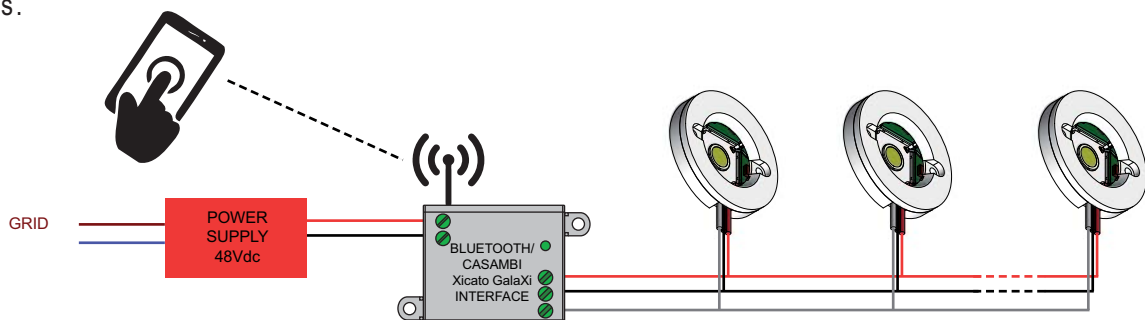
DALI ARCHITECTURE

- DALI STANDARD protocol.
- Throw controller, it is possible manage every single Led Driver OMEGA 35 as an independent address.



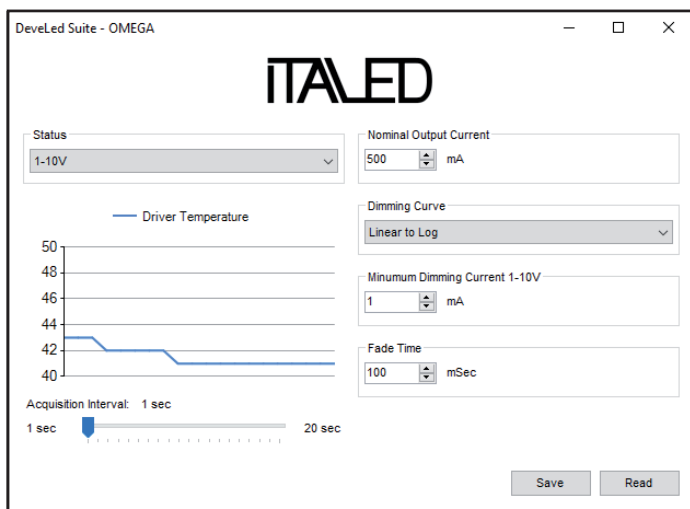
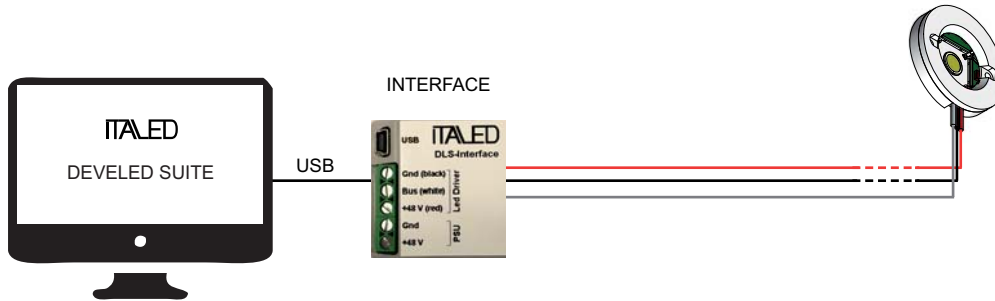
BLUETOOTH ARCHITECTURE

- Throw controller, it is possible manage every single Led Driver OMEGA 35 as an independent address.



PROGRAM TOOL SW

Full Program and Configuration using PC and Interface:



SOFTWARE DEVELED SUITE

- Setting every constant lout value within Nominal Range;
- Setting thermal threshold for safety dimming;
- Setting linear or logarithmic Dimming curve;
- Setting current modulation mode (example full analogic mode)
- Enable special algorithm: CLO led temperature protection, etc;
- It is possible to create and download custom configuration profile
- Reading diagnostic information from connected Led Driver: FW version, temperature, over temperature events, over temperature events count, failures, life time.
- Firmware upgrade
- Setting fade time

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