

- **Non-Dimmable Constant Current DC-DC**
- **Suitable for Input supply 48Vdc.**
- **Multiple current selection through dip switch.**
- **Output Current: 450 - 800mA**
- **Output Wattage : 30W Max**
- **Output voltage range of 12-42Vdc**
- **Flicker Free: O/P Ripple current < 10%**
- **Compact form factor**
- **To be used with track housing**
- **Application**  
- track lights

## General Specifications

Rated Input Voltage	48Vdc (+/-0.5V)
Operating Input Voltage Range	48Vdc
Input Current (Max.)	<0.75 @ 48Vdc
Input Power	33W
Efficiency (Typical)	92%
Driver Type	Constant Current Non-Dimmable
Output Current	450mA ±5%, 500mA ±5%, 550mA ±5%, 600mA ±5%, 650mA ±5%, 700mA ±5%, @12-42Vdc; 750mA ±5%, @12-40Vdc; 800mA ±5% @12-38Vdc; *Refer DIP switch Table for O/P current selection
Output Voltage Range	12-42Vdc *Refer DIP switch Table for O/P Voltage range
Output Power	30W
Number of Output Channels	1 Channel
Output Type	Class II
Dimming Controller Type	NA
Ambient Operating Temperature Range	-20°C to 50°C
Max. Case Temperature	NA (Ambient operating temperature should not exceed specified limits)
Protections	Output Short Circuit : Auto Recovery (HICCUP Mode) Output Open Circuit : Auto Recovery (HICCUP Mode) Output Overload : YES
certifications	CE, RoHS, EN61347-1, EN61347-2-11, EN55015, EN61000-4-2
Life	50,000 Hours @40°C Ta
Warranty	5 Years
Weight	0.008 Kg

Note : Suitable for indoor application only

when the driver is used with the luminaire, the EMC of the whole luminaire needs to be tested.

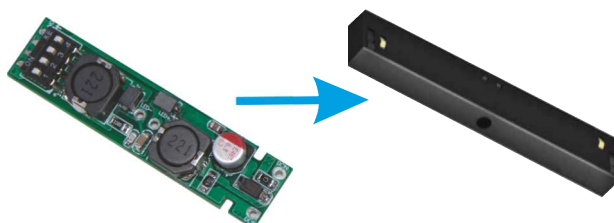
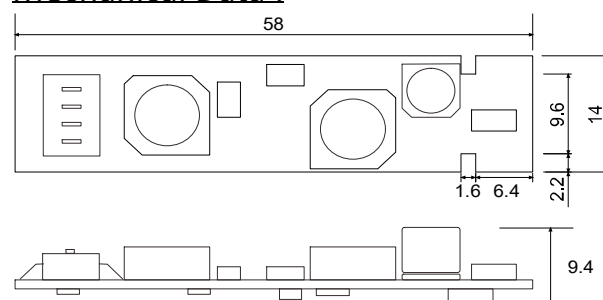
## DIP Switch Chart :

Prated(W)	Output		1	2	3	4
	Irated(mA)	Voltage (Vdc)				
18.90	450	12-42	ON	ON	ON	ON
21.00	500	12-42	--	ON	ON	--
23.10	550	12-42	ON	--	ON	--
25.20	600	12-42	--	--	ON	--
27.30	650	12-42	ON	ON	--	--
29.40	700	12-42	--	ON	--	--
30.00	750	12-40	ON	--	--	--
30.40	800 ★	12-38	--	--	--	--

Remark: ★ this current is factory default.

-- this Switch is off.

## Mechanical Data :



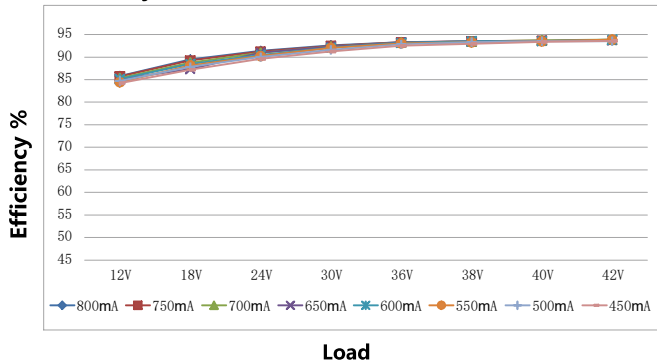
Note : All Dimensions are in mm.

Tolerance=±0.5mm

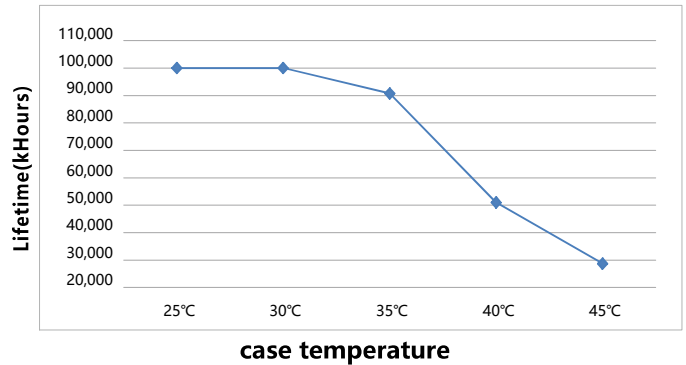
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**Efficiency vs. Load**



**Lifetime vs. case temperature**



### Installation note

#### LED Hotplug-in

- Hot plug-in is not supported due to residual output voltage of > 0 V.
- If a LED load is connected the device has to be restarted.
- Restart can be achieved by re-powering the driver or executing a on/off command (action) through the control interface (DALI).

#### Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.
- Max. length of output wires is 0.5 m.
- Incorrect wiring can damage LED modules.

#### Installation requirements

- The driver should be installed in adry, acid-free, oil-free, fat-free environment
- The installation ambient temperature of the drive shall not exceed the value of Ta at any time.
- Please be careful not to damage the electronics during assembly .
- All electronic components shall not be squeezed after assembly.

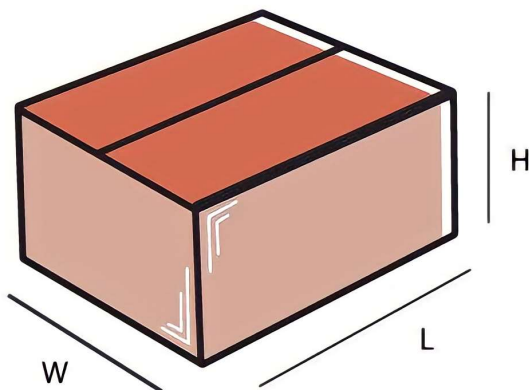
#### Mounting screw specifications and torque

- Max. torque at the clamping screw: 0.5 Nm / M4

#### Replace LED module

1. Mains off
2. Remove LED module
3. Wait for 5 seconds
4. Connect LED module again

### Packaging



#### Master carton

OUTER DIMENSION		
L	W	H
465 mm	325 mm	270 mm
Net Weight	Gross Weight	QUANTITY
8.5 kg	10.0 kg	1000 pc.

### Installation Instructions:

Connect Wires as per details given on the Driver Screen. Keep proper ventilation around the LED Driver and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source. Do not exceed the declared Hot spot temperature(Tc max) under any circumstances.

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