



# T1A1240105S-42NE

## SPECIFICATIONS



- **IN-TRACK Constant current LED Driver**
- **DALI-2 DT6, PART 251, 252, 253 Compliant**
- **O/P Ripple Current < 10%**
- **Suitable for 3 Phase 6 wire Tracks**
- **O/P Current selection through DIP Switch**
- **Output Current: 300 - 1050mA +/- 7%**
- **Output voltage range of 2.5-42Vdc**
- **Output Wattage : 42W Max**
- **Application**
- LED indoor lighting
- LED office lighting

### General Specifications

Rated Input Voltage	200-240/240/230Vac,50/60Hz	
Operating Input Voltage Range	196-264Vac,50/60Hz	
Input Current	< 0.280A @ 230Vac	
Input Power	49W	
Power Factor	>0.85 @ 230Vac/Full Load 300-500mA >0.92 @ 230Vac/Full Load 550-1050mA	
THD (Typ.)	<10% @ 230Vac/Full Load	
Efficiency	85% (Full Load 230Vac 42Vdc 1050mA)	
Driver Type	Constant Current	
Output Current	1050mA, 1000mA, 950mA, 900mA, 850mA, 800mA, 750mA, 700mA, 650mA, 600mA, 550mA +/-7% 500mA, 450mA, 400mA, 350mA, 300mA +/- 7% *Refer DIP switch Table for O/P current selection	
Output Voltage Range	9-42Vdc 300-700mA / 2.5-42Vdc 750-1000mA / 2.5-40Vdc 1050mA	
Output Power	42W	
Number of Output Channels	1 Channel	
Output Type	Class II	
Dimming Controller Type	DALI-2 (IEC 62386-101, 102, 207, 251, 252, 253)	
Ambient Operating Temperature Range	-10°C to 35°C	
Max. Case Temperature	85°C	
Input Surge Protection	1KV	
Protections	Input Over Current	: Non Resettable (Fuse)
	Output Short Circuit	: Auto Recovery (HICCUP Mode)
	Output Open Circuit	: Auto Recovery (HICCUP Mode)
	Output Overload	: YES
	Over Temperature	: NA
Safety Standards	EN61347-1, EN61347-2, IEC61347-1, IEC61347-2, EN62384, IEC55015, IEC61000-3-2, IEC61000-3-3, EN61547	
Flicker-free standard	IEEE1789	
Life	50,000 Hours @ 75°C	
Approvals / Class	SELV Equivalent	
Warranty	3 Years	
Weight	0.250 Kg	

Note : Suitable for Indoor application only

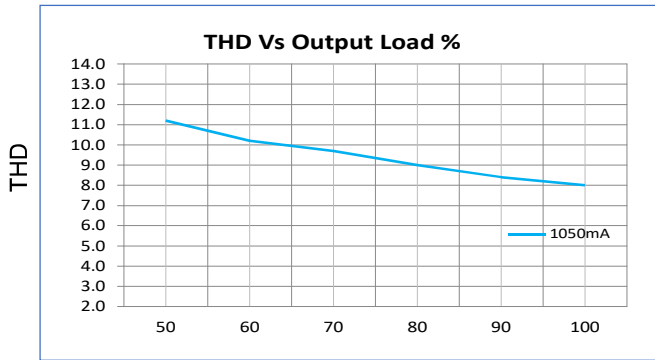
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### DIP Switch Chart :

PIN	I <sub>rated</sub>	Output Voltage	1	2	3	4
12.6W	300mA	9-42VDC	-	-	-	-
14.7W	350mA	9-42VDC	ON	-	-	-
16.8W	400mA	9-42VDC	-	ON	-	-
18.9W	450mA	9-42VDC	ON	ON	-	-
21.0W	500mA	9-42VDC	-	-	ON	-
23.1W	550mA	9-42VDC	ON	-	ON	-
25.2W	600mA	9-42VDC	-	ON	ON	-
27.3W	650mA	9-42VDC	ON	ON	ON	-
29.4W	700mA	9-42VDC	-	-	-	ON
31.5W	750mA	2.5-40VDC	ON	-	-	ON
33.6W	800mA	2.5-40VDC	-	ON	-	ON
35.7W	850mA	2.5-40VDC	ON	ON	-	ON
37.8W	900mA	2.5-40VDC	-	-	ON	ON
39.9W	950mA	2.5-40VDC	ON	-	ON	ON
42.0W	1000mA	2.5-40VDC	-	ON	ON	ON
42.0W	1050mA★	2.5-40VDC	ON	ON	ON	ON

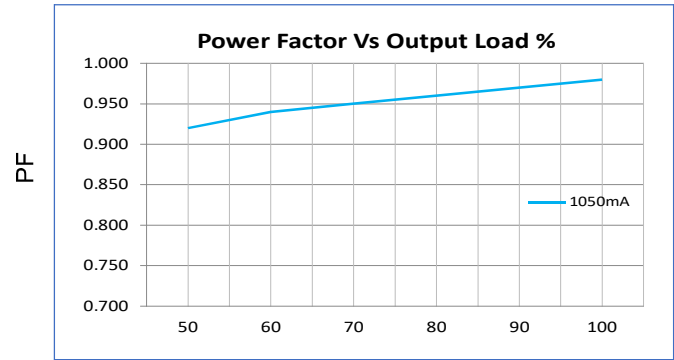
Remark: ★ this current is factory default.  
 - this Switch is off.

THD vs. Load



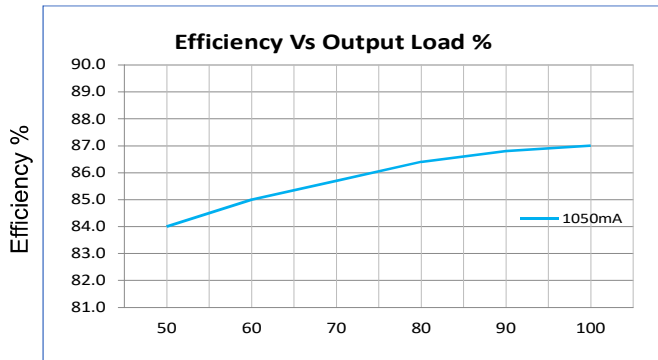
Load

Power factor vs. Load



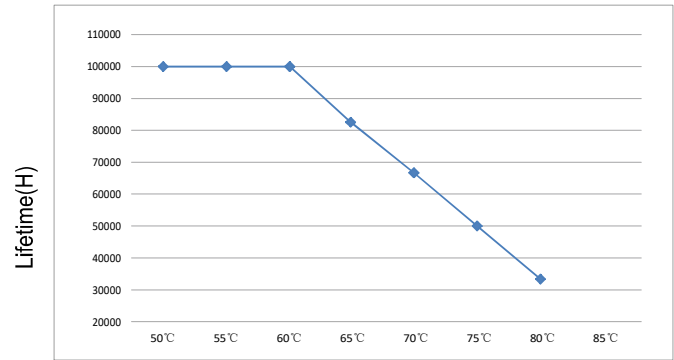
Load

Efficiency vs. Load



Load

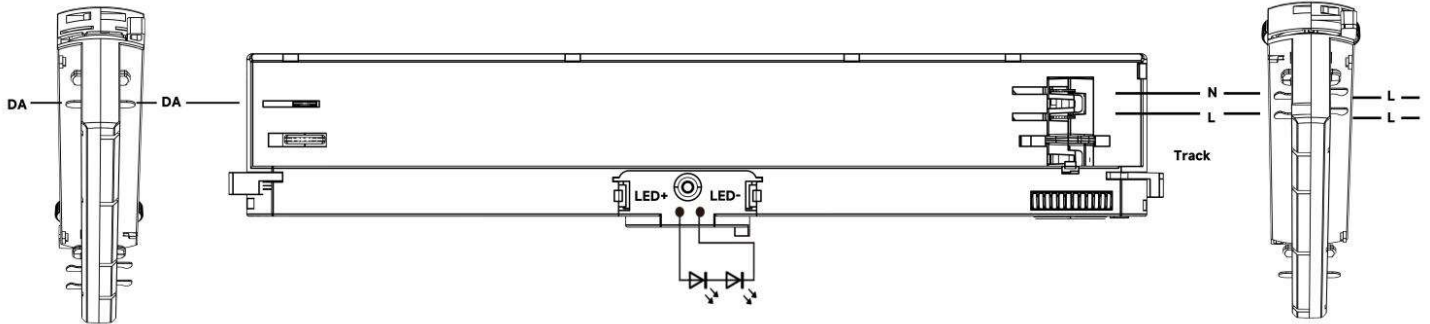
Lifetime vs. case temperature



case temperature(Tc)

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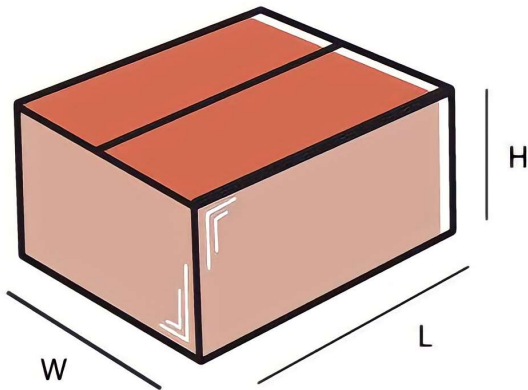
**Mechanical Data :**



**Note : All Dimensions are in mm.  
Available in Black / White Color**

**Tolerance=±0.5mm**

**Packaging**



**Master carton**

OUTER DIMENSION		
L	W	H
TBD	TBD	TBD
Net Weight	Gross Weight	QUANTITY
TBD	TBD	TBD

**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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