



DALI-2 LED Driver (CC)

LIM-12D



# OVERVIEW



LIM-12D is a 12W AC/DC constant current output LED driver featuring the multiple levels selectable by DIP switch and complies with DALI standard protocol IEC 62386-101, 102, 207.

LIM-12D can be connected to DALI main controller or switchDIM to achieve a smooth dimming effect.



Flicker Free



0.1-100% Dimming



Multi Output Current



High Power Factor



DC Input Compatible (176-250V)



Multi Protection



Emergency Application



SELV Equivalent

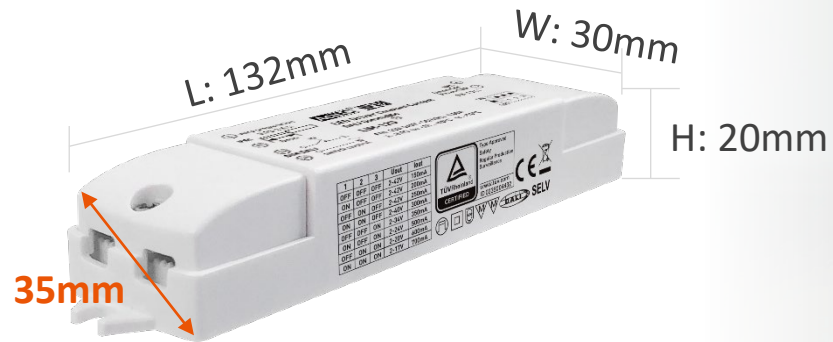


Protection Class II



Independent Design

# SUPER SLIM & THIN DESIGN

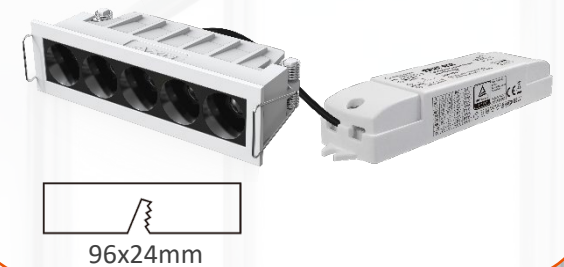


With compact design and diagonal only **35mm**, which can be installed in small cut-out & limited ceiling.

Mini Downlight  
Ø50x21mm



Mini Linear Downlight  
100x29x43mm



# LARGE OPERATING WINDOW



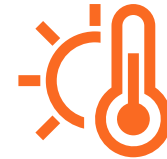
## Wide Output Voltage

With **2-42V** output voltage which can be compatible with more luminaires.



## Multi output current

8-step output current from **150mA** to 700mA for selection



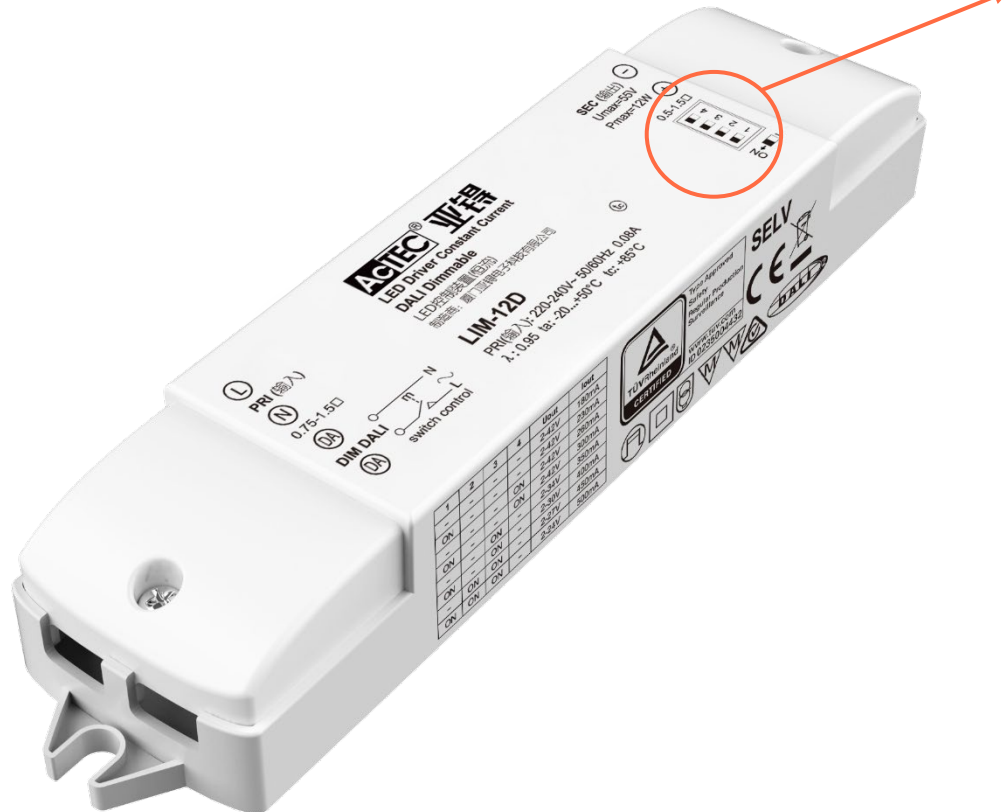
## High Operating Temperature

-20~+50°C support to the harsh working environment

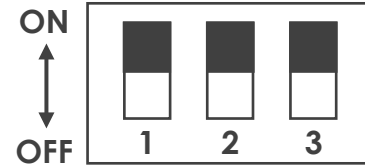
# MULTI OUTPUT CURRENT



DIP switch for multi currents selection



## DIP-Switch



PIN 1	PIN 2	PIN 3	Uout	Iout
-	-	-	2-42V	150mA
ON	-	-	2-42V	200mA
-	ON	-	2-42V	250mA
ON	ON	-	2-40V	300mA
-	-	ON	2-34V	350mA
ON	-	ON	2-24V	500mA
-	ON	ON	2-20V	600mA
ON	ON	ON	2-17V	700mA

# SMOOTH DIMMING

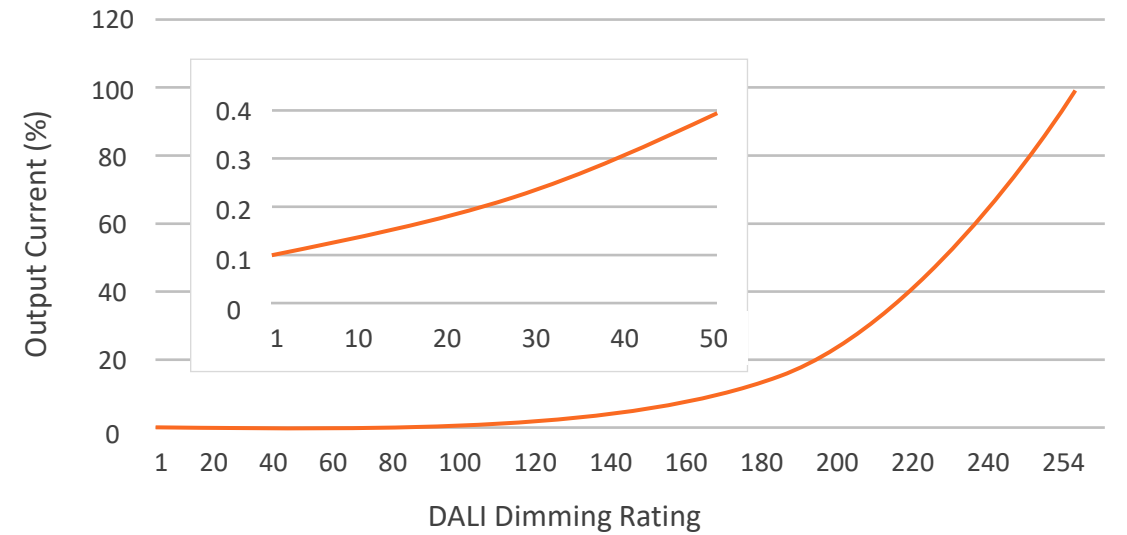


Dimming Range: 0.1-100%



1%

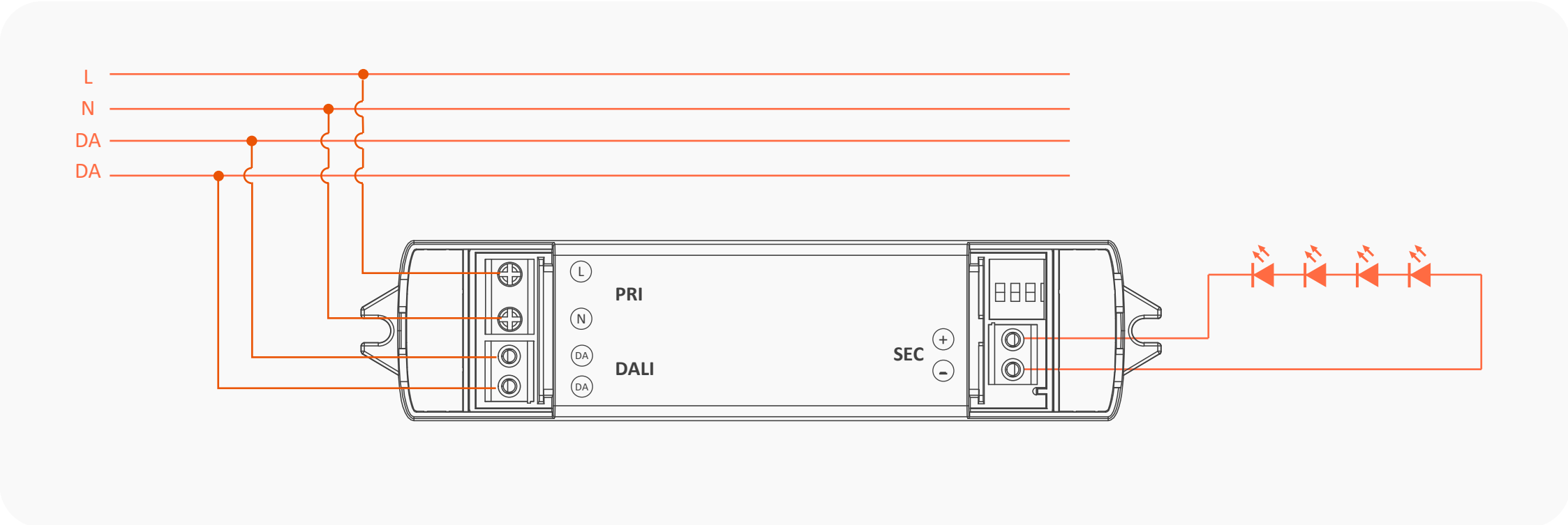
100%



# WIRING DIAGRAM

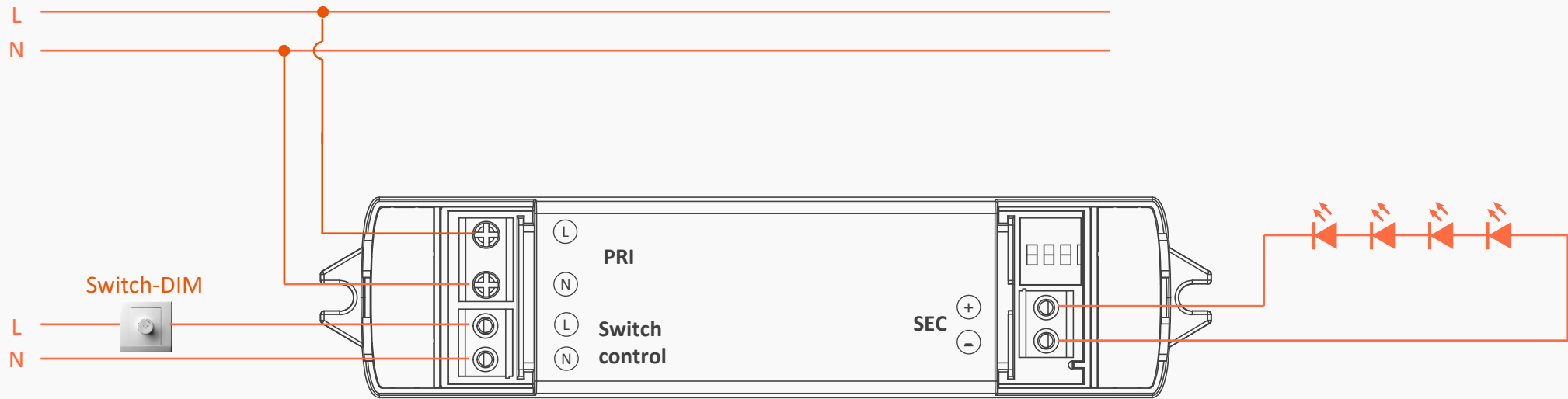


## DALI Solution



# WIRING DIAGRAM

## Switch-DIM Solution



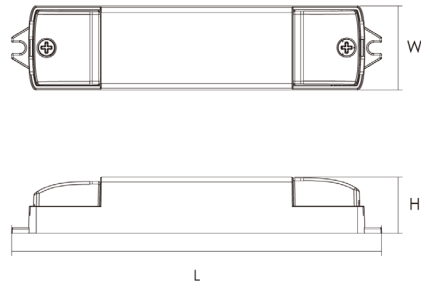
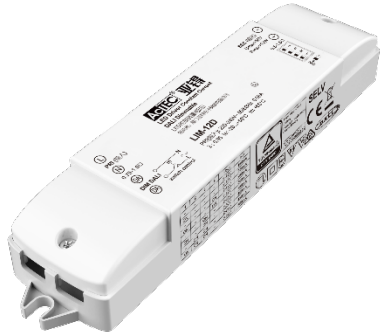


# APPLICATIONS

Suitable for lights with external drivers, such as spotlights, downlights, panel lights, etc.



# Technology Parameters



Model No.	Input Voltage (V)	Max. output (W)	Output Current (A)	Output Voltage (V)	Power Factor ( $\lambda$ )	Efficiency Full Load (%)	No-load Power (W)	Ambient Temperature $t_a$ (°C)	Max. casing Temperature $t_c$ (°C)	Isolation	Dimensions LxWxH (mm)
LIM-12D	220-240	10	150mA	2-42V	0.80C	79	< 0.5	-20~+50	80	SELV	132x30x20
		12	200mA	2-42V	0.95	79					
		12	250mA	2-42V	0.95	79					
		12	300mA	2-40V	0.95	79					
		12	350mA	2-34V	0.95	79					
		12	500mA	2-24V	0.95	78					
		12	600mA	2-20V	0.95	78					
		12	700mA	2-17V	0.95	78					



THANKS

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