

Approval Marks



	Item	Value		Remark
Input	DC voltage input	24V	48V	
	Nominal frequency	0 HZ	0 HZ	
	DC voltage range	22-26V	47-50V	
	Nominal current	2100mA	2100mA	Full load @100% dimming level, @ Vin 24V / Vin 48V
	Efficiency	91%(Typ)	95%(Typ)	Full load @100% dimming level, @ Vin 24V / Vin 48V
	Stand-by power	<0.5W	<0.5W	
Output	Nominal voltage	24Vdc	48Vdc	Depend on input voltage, @ Vin 24V / Vin 48V
	Maximum voltage	26Vdc	50Vdc	No load protection
Dimming	Starting Time	<0.5s		
	SVM	≤ 0.4		@1-100% dimming level
	PstLM	≤ 1.0		@1-100% dimming level
	Maximum current	2000mA		
	Nominal power range	5.0-48W	10.0-96W	
	Maximum power	50W	100W	
	Dimming control	DALI		
	Dimming range	0.1-100%		
Environment	Dimming technique	PWM		
	PWM frequency	4KHz		
	Galvanic isolation	N/A		
	Ambient temperature (ta)	-20°C - +35°C		
	Storage temperature range	-40°C - +85°C		
Packing	Relative humidity	10 - 95%		
	Environmental rating	Indoor		
	Mains switching cycles	> 100,000		
	Expected lifetime	> 50,000 h, ta +35 °C		
Packing	Gross weight/box	5.8 kg		
	Net weight/box	3.5 kg		
	Pcs/box	272 PCS		
	Dimension/box	385(L)*310(W)*360(H)		

Protections

Short-circuit Protection	Auto recovery
Open-circuit Protection	Auto recovery
Overload Protection	Auto recovery

Conformity & Standards

Safety standard:	EN 61347-1, EN 61347-2-13, EN 62493
Performance:	EN 62384
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
DALI protocol standard:	EN62386-101 , EN62386-102 , EN 62386-207(DT6) , EN 62386-209(DT8)

Cable information

INPUT

Cable cross-section	0.14-0.34□/AWG 26-22
Stripping	4mm

OUTPUT

Cable cross-section	0.14-0.34□/AWG 26-22
Stripping	4mm

DALI

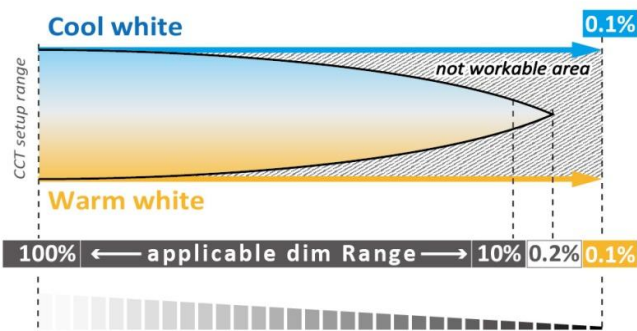
Cable cross-section	0.14-0.34□/AWG 26-22
Stripping	4mm

Terminal	INPUT-	Screwless Type
	OUTPUT-	Screwless Type
	DALI-	Screwless Type

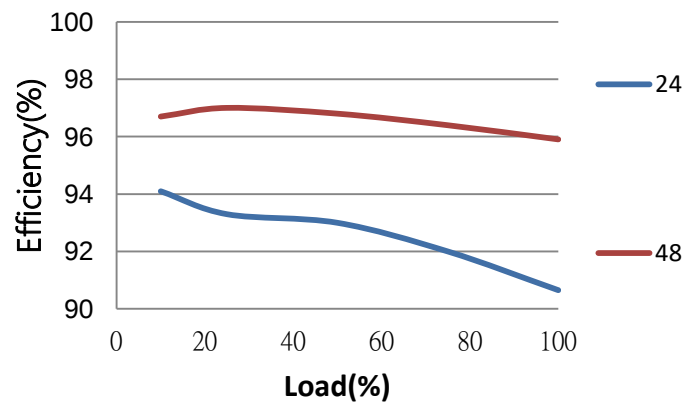
Electrical Values

DALI-2 DT8 Control

Dimming up/down and CCT tuning are performed independently via DALI-2 DT8 dimmer.



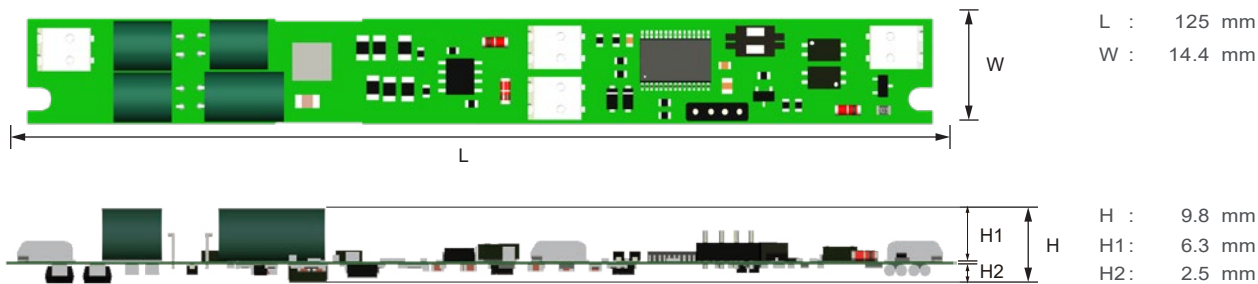
Efficiency vs. Load



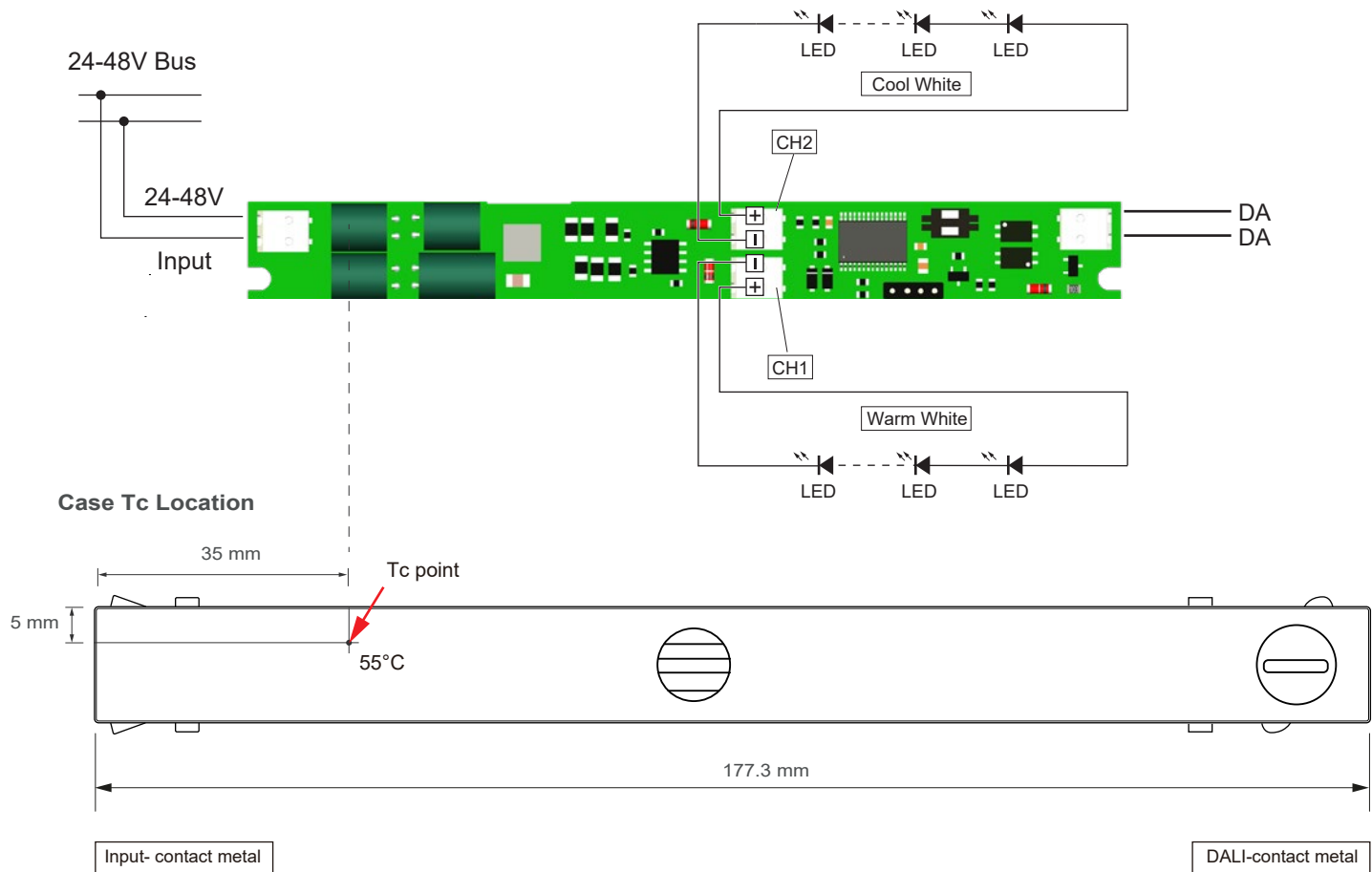
Dip Switch - One driver offers 4 choosable operating mode

ON 1 2 DT8	Dip-switch setting		Operating mode
	1	2	
	ON	ON	DT8
	ON	OFF	DT6:CH1(WW)=100W, CH2(CW)= 0W
	OFF	ON	DT6:CH1(WW)= 0W, CH2(CW)=100W
	OFF	OFF	DT6:CH1(WW)= 50W, CH2(CW)= 50W

Physical
Parameter



Wiring Diagram



* This driver is only suitable for non-magnetic cases. There will be noise when using magnetic cases.