

SPECIFICATIONS & INSTALLATION

TOPO Constant Current DALI-2 LED Driver DIP-Switch

Class II IP20 SELV Configurable constant current output via dip-switch

EN Before installation please read the specifications to make sure that this product is suitable for the operating environment.

- Connect only to LED modules
- Compliant with DALI 2.0 (incl. Parts 251, 252, 253)
- Corridor function application
- Dimming range 0.1...100%
- DALI-2/Switch-Dim dimmable



NL Lees voor installatie de specificaties om te controleren of het product geschikt is voor gebruik in de huidige situatie.

- Alleen aansluiten op led modules
- Voldoet aan DALI 2.0 (incl. onderdelen 251, 252, 253)
- Corridor function
- Dimbereik 0,1...100%
- DALI-2/Switch-Dim dimbaar

DE Bitte lesen Sie das Beilage Informationsblatt vor der Installation aufmerksam durch, um sicherzustellen, dass das Produkt der Anwendung entspricht.

- Nur für den Anschluss an LED-Module
- Entspricht DALI 2.0 (einschließlich der Teile 251, 252, 253)
- Corridor function
- Dimmbereich 0,1...100 %
- DALI-2/Switch-Dim Dimmbar

FR Lire les caractéristiques techniques du produit avant de commencer l'installation, afin de vous assurer que le produit correspond à l'environnement dans lequel il sera utilisé.

- Connectez uniquement aux modules LED
- Conforme à la norme DALI 2.0
- Corridor function
- Plage de gradation : 0,1...100 %
- DALI-2/Switch-Dim gradable

Item		147204 25W 260~700mA			
Output	Voltage (Vout)	10-42V			
	Current (Iout) and Maximum power (Pout)	260mA	10.9W		
		350mA	14.7W		
		400mA	16.8W		
		450mA	18.9W		
		500mA	21.0W		
550mA		23.0W			
600mA		25.2W			
	700mA	26.6W			
	Ripple & Noise	Max 10%			
	No load voltage	54V			
	Output accuracy	±5%			
Input	Voltage (Uin)	AC 198-264V			
		DC 176-250V			
	Frequency (Fin)	AC 50/60Hz			
	Power factor (λ)	≥0.95			
	THD	≤15%			
	Efficiency at full load (η)	≥86%			
	Inrush current (cold start)	10A/300us			
Environment	Ambient temperature (ta)	-20~45°C			
	Storage temperature (ts)	-20~70°C			
	Max. case temperature (tc)	90°C			
	Relative humidity	5 ...85%			
	IP rating	IP20			
Protection	Safety class	II			
	Surge protection (L-N, L/N-PE)	1kV, 2kV			
	Over current (OCP)	N/A			
	Over voltage (OVP)	Re-power on to Recover If Fault Is Removed			
	Short circuit (SCP)	Re-power on to Recover If Fault Is Removed			
	Max. units per Circuit Breaker	Circuit Breaker	Circuit Breaker Current		
Typ.		10A	13A	16A	20A
B		17	23	28	35
C		37	48	59	74
System	Withstand voltage	3.75kVAC, I leakage<5mA, 60s			
	Expected life	50.000h			
Physical	Dimensions L x W x H	137x44x22mm			
	Weight	14g			
	Housing material	PC			
	Wire cross section	PRI 0.75-1.5mm ² , DALI 0.75-1.5mm ² , SEC 0.5-1.5mm ² , Stripping 8mm			

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Current



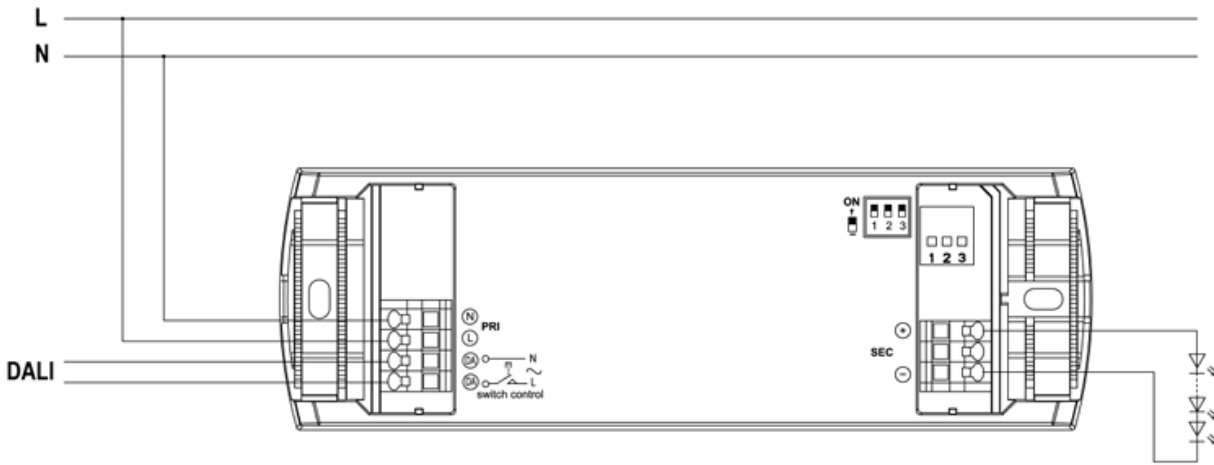
1	2	3	Uout (Vdc)	Iout (mA)	Pout (W)
-	-	-	10-42	260	10.9
ON	-	-	10-42	350	14.7
-	ON	-	10-42	400	16.8
ON	ON	-	10-42	450	18.9
-	-	ON	10-42	500	21
ON	-	ON	10-42	550	23
-	ON	ON	10-42	600	25.2
ON	ON	ON	10-38	700	26.6

Notes

- 1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.
- 2.Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

DALI

In this operating mode the light level of the device is controlled via its DALI address.



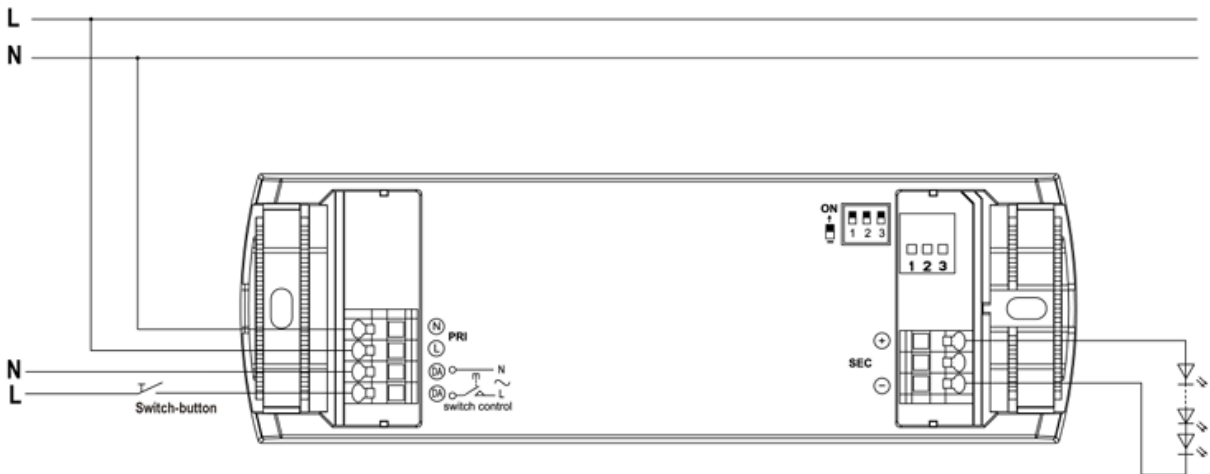
SWITCH-DIM

Alternatively the device can be controlled using switch-inputs for mains voltage, the dim level is saved at power-down and restored at power-up.

- Short press(<1S): switches LED driver ON and OFF
- Long press: LED modules are dimmed. After repush the LED modules are dimmed in the opposite direction.

Synchronization

In installations with LED drivers with different dimming levels or opposite dimming directions, all LED drivers can be synchronized to 50% dimming level by a 15S push, switch off the light by short press one time, then long press. Up to 25 LED drivers can be controlled via direct switch-button use. The number of switch-button is limited by the sum of the overall cable length between switch(es) and the connected LED drivers, witch may not exceed 20m.



CORRIDOR FUNCTION

Activating the Corridor Function

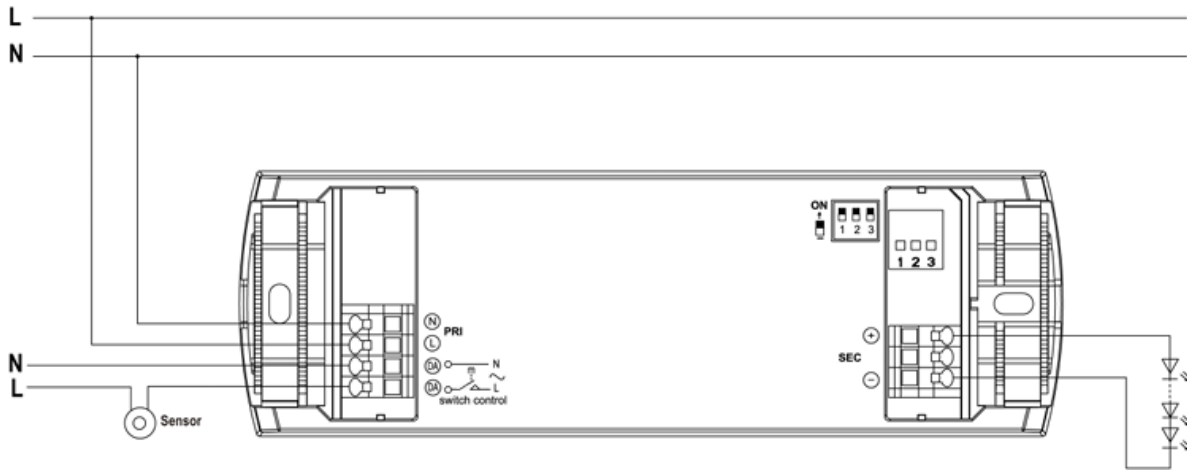
- By supply voltage: Activate the Corridor Function by permanently applying the supply voltage (220-240V, 50/60Hz) to the DALI input of the driver for at least 5 minutes, the light up 100%(under the default setting).
- By sensor: Activate the Corridor Function by keeping the movement in the effective sensing area for at least 5 minutes, the light up 100%(under the default setting).

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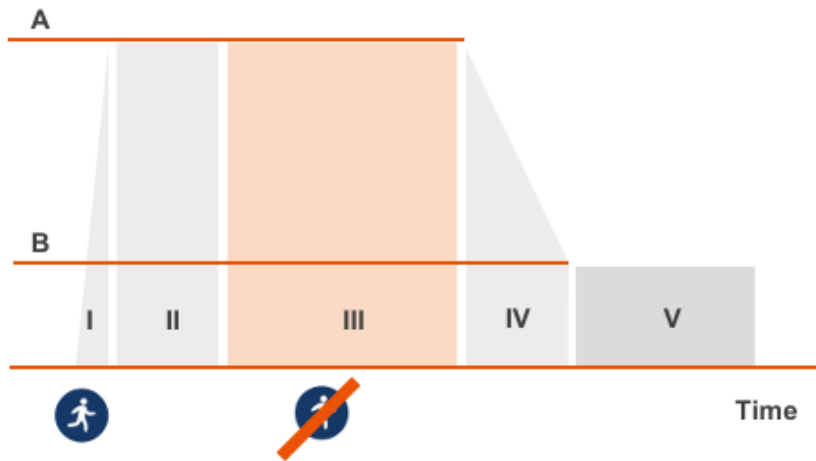
Changing from the Corridor Function to the Switch-DIM function

- By briefly pressing a push-button 5 times (at the DALI input, 220-240V, 50/Hz) within 3 seconds.



Corridor Function Phasing

Light value



Factory-set parameters:

- A: Presence value=100%
- B: Absence value=10%
- I: Fade-in time=1s
- II: By sensor setting
- III: Run-on time=2min
- IV: Fade time=30s
- V: Unlimited

Notes

The compatibility with other devices must be tested in advance to the installation.
DALI application and switch-control application can not apply to the system at the same time.

Standards

Safety	EN 61347-1 EN 61347-2-13
EMC	EN 55015, EN 61000-3-2, EN 61547
DALI	EN 62386-101, EN 62386-102, EN 62386-207, EN 62386-251, EN 62386-252, EN 62386-253

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EN Warning – Caution

1. Risk of electric shock. Disconnect power before installation, servicing and removal.
2. All safety instruction must be followed to avoid a risk of injury or property damage.
3. Wet applications require an IP rated fixture.
4. Installation should be done by a qualified professional.
5. Install driver in places with good air flow and away from heat sources.

NL Waarschuwing – Let op – Veiligheid

1. Risico op elektrische schokken. Schakel stroom uit voor installatie, onderhoud en verwijdering.
2. Alle veiligheidsinstructies moeten worden opgevolgd om het risico op letsel of materiële schade te voorkomen.
3. Vochtige toepassingen vereisen een IP-geclassificeerd armatuur.
4. De installatie moet worden uitgevoerd door een erkend installateur.
5. Installeer de driver op plaatsen met een goede luchtstroom en uit de buurt van warmtebronnen.

DE Warnung – Vorsicht – Sicherheit

1. Risiko eines elektrischen Schlages. Vor Installation, Wartung und Inbetriebnahme spannungsfrei machen.
2. Verstöße gegen die Sicherheitsrichtlinien können das Gerät beschädigen und Ihre persönliche Sicherheit gefährden.
3. Außenanwendungen benötigt eine IP bewertete Leuchte.
4. Die Installation sollte von einem qualifizierten Fachmann durchgeführt werden.
5. Installieren Sie den Treiber an Orten mit guter Luftzirkulation und entfernt von Wärmequellen.

FR Avertissement – Attention – Sécurité

1. Risque de choc électrique. Coupez l'alimentation électrique avant installation, entretien ou maintenance.
2. Le non-respect de ces recommandations de sécurité peut provoquer des dégâts matériels ou des blessures.
3. Les applications humides nécessitent un luminaire classé IP.
4. L'installation doit être effectuée par un professionnel qualifié.
5. Installez le driver dans des endroits bien aérés et éloignés des sources de chaleur.

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