

ICUTRONIC Intelligent

– Dimmable DALI (non-isolated)



Areas of application

- Linear and area lighting
- Industry lighting
- Suitable for luminaires of protection class I

Product family benefits

- Versatile non-isolated DALI driver up to 75 W due to flexible output characteristic
- Fully programmable via software (DALI Interface)
- Flexible current setting (RSet)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ }^\circ\text{C}$, max. 10 % failure rate)
- High-quality dimming of 10...100 % by amplitude dimming
- No TouchDIM nor Corridor Function
- High quality of light thanks to <4% output ripple current
- High efficiency
- Low standby power consumption: < 0.25 W
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



Product family datasheet

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220...240 V
- Available with output current range: up to 500 mA
- Non-isolated drivers

Product family datasheet

Technical data

Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Input voltage DC	Current set
ETi DALI 25/220...240/300 D LT2 L	220...240 V	0/50/60 Hz	198...264 V	176...276 V	Rset
ETi DALI 35/220...240/400 D LT2 L	220...240 V	0/50/60 Hz	198...264 V	176...276 V	Rset
ETi DALI 75/220...240/500 D LT2 L	220...240 V	0/50/60 Hz	198...264 V	176...276 V	Rset

Product description	Total harmonic distortion	Power factor λ	ECG efficiency	Device power loss	Power loss in stand-by mode	Inrush current
ETi DALI 25/220...240/300 D LT2 L	< 10 %	> 0.95	up to 90 %	2.0 W	<0.25 W	≤28 A
ETi DALI 35/220...240/400 D LT2 L	< 10 %	> 0.95	up to 92 %	3.0 W	<0.25 W	≤28 A
ETi DALI 75/220...240/500 D LT2 L	< 10 %	> 0.95	up to 94 %	6.0 W	<0.25 W	≤34 A

Product description	Max. ECG no. on circuit breaker 10 A (C)	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)
ETi DALI 25/220...240/300 D LT2 L	-	18	-	30	-
ETi DALI 35/220...240/400 D LT2 L	-	18	-	30	-
ETi DALI 75/220...240/500 D LT2 L	-	15	-	25	-

Product description	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage	U-OUT (working voltage)	Nominal output current
ETi DALI 25/220...240/300 D LT2 L	2 kV	1 kV	54...240 V	54...240 V	35...300 mA
ETi DALI 35/220...240/400 D LT2 L	2 kV	1 kV	54...240 V	54...240 V	75...400 mA
ETi DALI 75/220...240/500 D LT2 L	2 kV	1 kV	54...240 V	54...240 V	125...500 mA

Product description	Output current LEDset open	Output current LEDset shorted	Default output current
ETi DALI 25/220...240/300 D LT2 L	15 mA	35 mA	15 mA ¹⁾
ETi DALI 35/220...240/400 D LT2 L	35 mA	75 mA	35 mA ¹⁾
ETi DALI 75/220...240/500 D LT2 L	60 mA	125 mA	60 mA ¹⁾

Product description	Output current tolerance	Output ripple current (100 Hz)	Output PSTLM
ETi DALI 25/220...240/300 D LT2 L	±5 %	< 4 %	≤1
ETi DALI 35/220...240/400 D LT2 L	±5 %	< 4 %	≤1
ETi DALI 75/220...240/500 D LT2 L	±5 %	< 4 %	≤1

Product description	Output SVM	Nominal output power	Galvanic isolation
ETi DALI 25/220...240/300 D LT2 L	≤0.4	3...25 W	Non isolated
ETi DALI 35/220...240/400 D LT2 L	≤0.4	4...35 W	Non isolated

Product family datasheet

Product description	Output SVM	Nominal output power	Galvanic isolation
ETi DALI 75/220...240/500 D LT2 L	≤0.4	8.0...75 W	Non isolated

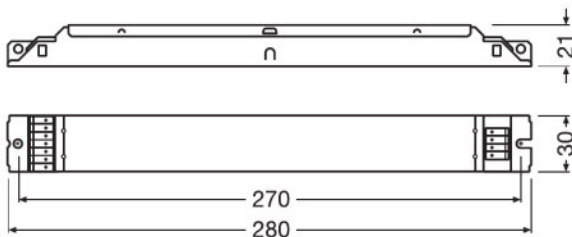
1) LEDset deactivated

Dimensions & weight

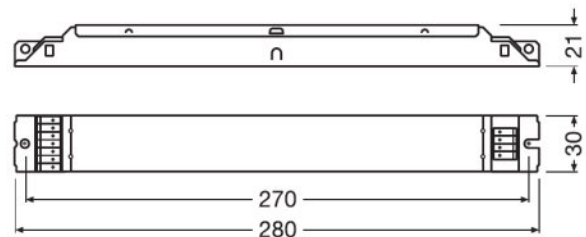
Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
ETi DALI 25/220...240/300 D LT2 L	270.0 mm	205.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.0...9.0 mm
ETi DALI 35/220...240/400 D LT2 L	270.0 mm	205.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.0...9.0 mm
ETi DALI 75/220...240/500 D LT2 L	270.0 mm	205.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.0...9.0 mm

Product description	Wire preparation length, output side	Length	Height	Width
ETi DALI 25/220...240/300 D LT2 L	8.0...9.0 mm	280.0 mm	21.0 mm	30.0 mm
ETi DALI 35/220...240/400 D LT2 L	8.0...9.0 mm	280.0 mm	21.0 mm	30.0 mm
ETi DALI 75/220...240/500 D LT2 L	8.0...9.0 mm	280.0 mm	21.0 mm	30.0 mm

Product line drawing

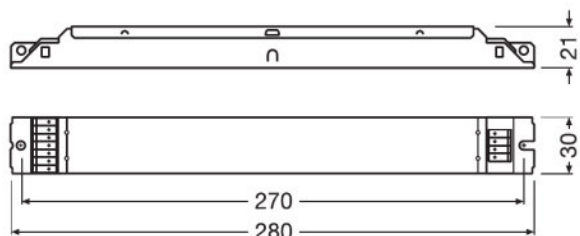


ETi DALI 25/220...240/300 D LT2 L



ETi DALI 35/220...240/400 D LT2 L

Product family datasheet



ETi DALI 75/220...240/500 D LT2 L

Colors & materials

Product description	Casing material
ETi DALI 25/220...240/300 D LT2 L	Metal
ETi DALI 35/220...240/400 D LT2 L	Metal
ETi DALI 75/220...240/500 D LT2 L	Metal

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
ETi DALI 25/220...240/300 D LT2 L	-25...+50 °C	75 °C	110 °C	-40...+85 °C
ETi DALI 35/220...240/400 D LT2 L	-25...+50 °C	75 °C	110 °C	-40...+85 °C
ETi DALI 75/220...240/500 D LT2 L	-25...+50 °C	75 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
ETi DALI 25/220...240/300 D LT2 L	5...85 % ¹⁾
ETi DALI 35/220...240/400 D LT2 L	5...85 % ¹⁾
ETi DALI 75/220...240/500 D LT2 L	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Product family datasheet

Lifespan

Product description	ECG lifetime
ETi DALI 25/220...240/300 D LT2 L	50000 h
ETi DALI 35/220...240/400 D LT2 L	50000 h
ETi DALI 75/220...240/500 D LT2 L	50000 h

Additional product data

Product description	Encapsulated
ETi DALI 25/220...240/300 D LT2 L	No
ETi DALI 35/220...240/400 D LT2 L	No
ETi DALI 75/220...240/500 D LT2 L	No

Capabilities

Product description	Programming interface	Dimmable	Dimming interface	Dimming range
ETi DALI 25/220...240/300 D LT2 L	Rset	Yes	DALI	10...100 %
ETi DALI 35/220...240/400 D LT2 L	Rset	Yes	DALI	10...100 %
ETi DALI 75/220...240/500 D LT2 L	Rset	Yes	DALI	10...100 %

Product description	Dimming method	Overheating protection	Overload protection
ETi DALI 25/220...240/300 D LT2 L	Amplitude Modulation	Yes	Yes
ETi DALI 35/220...240/400 D LT2 L	Amplitude Modulation	Yes	Yes
ETi DALI 75/220...240/500 D LT2 L	Amplitude Modulation	Yes	Yes

Product description	Short-circuit protection	No-load proof	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class	Suitable for emergency lighting
ETi DALI 25/220...240/300 D LT2 L	Yes	Yes	2.0 m	I	Yes
ETi DALI 35/220...240/400 D LT2 L	Yes	Yes	2.0 m	I	Yes
ETi DALI 75/220...240/500 D LT2 L	Yes	Yes	2.0 m	I	Yes

Product description	Type of connection, output side	Number of channels
ETi DALI 25/220...240/300 D LT2 L	Push terminal	1
ETi DALI 35/220...240/400 D LT2 L	Push terminal	1
ETi DALI 75/220...240/500 D LT2 L	Push terminal	1

Programming

Product description	Programming device	Tuner4TRONIC Field App	Tuner4TRONIC
ETi DALI 25/220...240/300 D LT2 L	DALI magic / FEIG	No	Yes
ETi DALI 35/220...240/400 D LT2 L	DALI magic / FEIG	No	Yes
ETi DALI 75/220...240/500 D LT2 L	DALI magic / FEIG	No	Yes

Product family datasheet

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
ETi DALI 25/220...240/300 D LT2 L	CE / VDE-ENEC / EAC / CCC / BIS	Acc. to IEC 61347/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20
ETi DALI 35/220...240/400 D LT2 L	CE / VDE-ENEC / EAC / CCC / BIS	Acc. to IEC 61347/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20
ETi DALI 75/220...240/500 D LT2 L	CE / VDE-ENEC / EAC / CCC / BIS	Acc. to IEC 61347/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547	IP20

Logistical data

Product description	Commodity code
ETi DALI 25/220...240/300 D LT2 L	850440829000
ETi DALI 35/220...240/400 D LT2 L	850440829000
ETi DALI 75/220...240/500 D LT2 L	850440829000



Application advice

For more detailed application information and graphics please see product datasheet.












Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 User instruction ICUTRONIC INTELLIGENT LED Power Supply
 Certificates EATON(CEAG)-Conformity declaration AM28129 ETI DALI 25220-240300 D LT2 L

Product family datasheet

	Certificates INOTEC-Conformity declaration AM28129 ETI DALI 25220-240300 D LT2 L
	Certificates OT ENEC 40038085 130720
	Declarations of conformity EU Declaration of Conformity 3971160
	CAD data ETI DALI D LT2 L IGS 270220
	CAD data ETI DALI D LT2 L STEP 270220
	CAD Data 2-dim ETI DALI D LT2 L CAD2PDF 270220
	CAD data 3-dim ETI DALI D LT2 L CAD3PDF 270220
	Certificates EATON(CEAG)-Conformity declaration AM28155 ETI DALI 35220-240400 D LT2 L
	Certificates INOTEC-Conformity declaration AM28155 ETI DALI 35220-240400 D LT2 L
	Certificates EATON(CEAG)-Conformity declaration AM28130 ETI DALI 75220-240500 D LT2 L
	Certificates INOTEC-Conformity declaration AM28130 ETI DALI 75220-240500 D LT2 L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172053280	ETi DALI 25/220...240/300 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4277.00 g
4062172053303	ETi DALI 35/220...240/400 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4277.00 g
4062172053327	ETi DALI 75/220...240/500 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4277.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.