

## LED Converter for Flat Downlights Newton

For the different LED Flat Downlight versions you can select the appropriate LED converter which fits the needs of your application (dimmable or non-dimmable).

ITEM DESCRIPTION	ARTICLE CODE		EAN CODE	DIMMABLE	LIFETIME
LED DRIVER 220-240V CC 350mA 36-52VDC	29001137	for 350 mA versions	9 009453 009296	No	30 000 h
LED DRIVER 220-240V CC 700mA 22-30VDC	29001138	for 700 mA versions	9 009453 009302	No	30 000 h
LED DRIVER 220-240V CC 350mA 22-44VDC	29001222	for 350 mA versions	9 009453 010636	No	50 000 h
LED DRIVER 220-240V CC 700mA 25-50VDC	29001302	for 700 mA versions	9 009453 012326	No	50 000 h
LED DRIVER 110-240V CC 350mA 2-43VDC DALI	29001166	for 350 mA versions	9 009453 009784	DALI	50 000 h
LED DRIVER 110-240V CC 700mA 2-28VDC DALI	29001167	for 700 mA versions	9 009453 009791	DALI	50 000 h
LED DRIVER 110-240V CC 350mA 2-43VDC 1-10V&PUSH	29001164	for 350 mA versions	9 009453 009760	1-10V, Push-Dim	50 000 h
LED DRIVER 110-240V CC 700mA 2-29VDC 1-10V&PUSH	29001165	for 700 mA versions	9 009453 009777	1-10V, Push-Dim	50 000 h

ELECTRICAL CHARACTERISTICS & DIMENSIONS non-dimmable converters				
Non-dimmable converters for	350 mA versions		700 mA versions	
	Converter 29001137	Converter 29001222	Converter 29001138	Converter 29001302
Lifetime (hours)	30 000 h	50 000 h	30 000 h	50 000 h
Input Power	15.0 W	16.2 W	20.0 W	21.7 W
Operating Frequency	50/60 Hz		50/60 Hz	
Supply Voltage	220-240 V AC		220-240 V AC	
Power Factor	> 0.9		> 0.9	
Input Current (measured value)	72 mA	77 mA	97 mA	102 mA
Input Current (calculated value)	65 mA	70 mA	87 mA	94 mA
Inrush Current (typ. I <sub>peak</sub> /μs)	14 A / 300 μs	5 A / 100 μs	14 A / 300 μs	25 A / 150 μs
THD	≤ 20%	≤ 15%	≤ 20%	≤ 15%
T <sub>c</sub>	75 °C	70 °C	75 °C	65 °C
Flicker Percent (< 165 Hz)	< 3 %		< 3 %	
Length	89 mm	157 mm	89 mm	157 mm
Width	42 mm	43 mm	42 mm	43 mm
Height	24 mm	22,5 mm	24 mm	30 mm
Weight	70 g	100 g	70 g	130 g
Cable Cross Section Input Terminal	0.75 - 1.5 mm <sup>2</sup>	0.5 - 1.5 mm <sup>2</sup>	0.75 - 1.5 mm <sup>2</sup>	0.5 - 1.5 mm <sup>2</sup>
Max. Torque	0.5 Nm	push terminal	0.5 Nm	push terminal

Please note: converter 29001302 is not suitable for MDL-versions (Art. 29001293, 29001294, 29001297, 29001298).

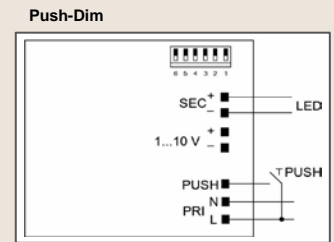
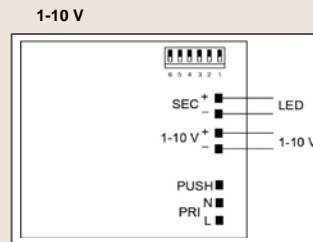
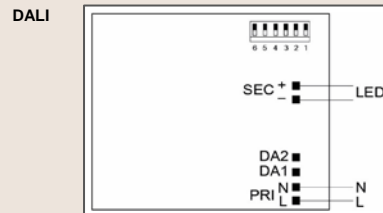
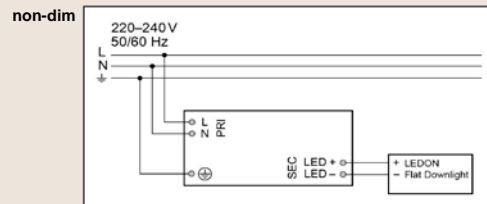
**ELECTRICAL CHARACTERISTICS & DIMENSIONS dimmable converters**

Dimmable converters for	350 mA versions		700 mA versions	
	DALI Converter 29001166	1-10V & Push-Dim Converter 29001164	DALI Converter 29001167	1-10V & Push-Dim Converter 29001165
Input Power	15.0 W		20.0 W	
Stand-by Consumption	0.8 W		0.8 W	
Operating Frequency	50/60 Hz		50/60 Hz	
Supply Voltage	220-240 V AC		220-240 V AC	
Power Factor	0.9		0.9	
Input Current (measured value)	72 mA		97 mA	
Input Current (calculated value)	65 mA		87 mA	
Inrush Current (typ. I <sub>peak</sub> /μs)	5 A / 50 μs		5 A / 50 μs	
THD	≤ 10%		≤ 10%	
T <sub>c</sub>	75 °C		75 °C	
Flicker Percent (< 165 Hz)	< 3 %		< 3 %	
Length	114 mm		114 mm	
Width	52 mm		52 mm	
Height	22 mm		22 mm	
Weight	108 g		108 g	
Cable Cross Section Input Terminal	0.5 - 1.5 mm <sup>2</sup>		0.5 - 1.5 mm <sup>2</sup>	

**GRAPHICS**

Versions non-dimmable		Typ. I <sub>peak</sub> /μs	Max. units per circuit breaker			
			Type	10 A	13 A	16A
30 000h	29001137	14 A / 300 μs	B	28	36	44
			C	47	60	73
	29001138	14 A / 300 μs	B	25	32	39
			C	41	53	65
50 000 h	29001222	5 A / 100 μs	B	72	93	115
			C	90	117	144
	29001302	25 A / 150 μs	B	14	19	24
			C	24	32	40

Versions dimmable		Typ. I <sub>peak</sub> /μs	Max. units per circuit breaker			
			Type	10 A	13 A	16A
50 000 h	29001166	5 A / 50 μs	B	31	40	50
			C	52	68	85
	29001167	5 A / 50 μs	B	31	40	50
			C	52	68	85
50 000 h	29001164	5 A / 50 μs	B	31	40	50
			C	52	68	85
	29001165	5 A / 50 μs	B	31	40	50
			C	52	68	85



Find here the instruction manual: <http://www.ledon.at/en/led-lamps/led-flat-downlight>

Data subject to change  
Last updated on: 20.06.2018