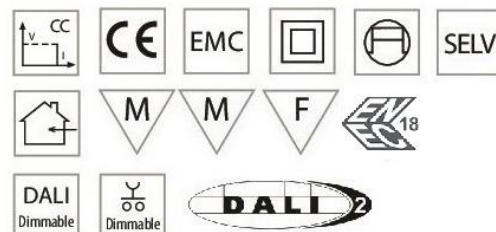


DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante



Part number	Output Current	Input Current	Input Power	Output Power Range	λ Power Factor	Efficiency @230V	Output Voltage	No Load Voltage
A40CC23WD00B Input Voltage 220-240	100mA	0.03A	6.1W	0.25-4.60W	0.78	75%	2.5-46V	60V Max.
	150mA	0.04A	8.6W	0.37-6.90W	0.85	80%		
	200mA	0.05A	11.2W	0.50-9.20W	0.89	82%		
	250mA	0.06A	13.6W	0.62-11.50W	0.91	84%		
	300mA	0.07A	16.0W	0.75-13.80W	0.93	86%		
	350mA	0.08A	18.5W	0.87-16.10W	0.94	87%		
	400mA	0.09A	21.1W	1.00-18.40W	0.94	87%		
	450mA	0.10A	23.5W	1.12-20.70W	0.95	88%		
	500mA	0.11A	26.1W	1.25-23.00W	0.96	88%		
	550mA	0.11A	26.2W	1.37-23.10W	0.96	88%	2.5-42V	
	600mA	0.11A	26.2W	1.50-22.80W	0.96	87%	2.5-38V	
	650mA	0.11A	26.1W	1.62-22.75W	0.96	87%	2.5-35V	
	700mA	0.12A	26.5W	1.75-23.10W	0.96	87%	2.5-33V	

Part number	Output Current	Input Current	Input Power	Output Power	λ Power Factor	Efficiency @110V	Output Voltage	No Load Voltage
Input Voltage 110	103mA	0.059A	6.17W	4.74W	0.95	77%	46V	60V Max.
	154mA	0.083A	8.73W	7.08W	0.96	81%		
	204mA	0.105A	11.29W	9.38W	0.98	83%		
	254mA	0.129A	13.83W	11.68W	0.98	84%		
	304mA	0.152A	16.41W	13.98W	0.99	85%		
	356mA	0.176A	19.02W	16.38W	0.99	86%		
	404mA	0.199A	21.73W	18.58W	0.99	85%		
	454mA	0.224A	24.42W	20.88W	0.99	85%		
	504mA	0.249A	27.22W	23.18W	0.99	85%		
	555mA	0.251A	27.50W	23.31W	0.99	85%	42V	
	604mA	0.249A	27.28W	22.95W	0.99	87%	38V	
	655mA	0.250A	27.37W	22.93W	0.99	84%	35V	
	705mA	0.248A	27.08W	22.56W	0.99	83%	32V	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC23WD - Other electrical data		
Output type	Constant current	Features
Dimming type	DALI-2/ PUSH-button	
IP grade	IP20	
Insulation class	Class II (compatible Class I)	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	0/50/60 Hz, Range:0/47-63Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.12A (230VAC, full load)	
Input Power	≤26.5W (230VAC, full load)	
iTHD	≤15% (230VAC, full load)	
Standby power Consumption	≤0.45W Dim to off, 230VAC)	
Inrush current	≤7.9A/2.6μs (230VAC, full load)	
Connected quantity of 10A Breaker	24pcs/type A; 39pcs/type B; 63pcs/type C	
Connected quantity of 16A Breaker	39pcs/type A; 63pcs/type B; 101pcs/type C	
Connected quantity of 20A Breaker	49pcs/type A; 79pcs/type B; 126pcs/type C	
Output voltage range	2.5-46VDC @ 100-500mA, 2.5-42VDC @ 550mA 2.5-38VDC @ 600mA, 2.5-35VDC @ 650mA 2.5-33VDC @ 700mA	Output
No load voltage	60VDC Max.	
Output current	100-700mA (Factory set current of 100mA)	
Max. output power	23.1W	
Efficiency	≥ 88% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	
SVM (Stroboscopic effects value)	≤ 0,4	
Starting time (AC mode)	≤0.8S (230VAC, full load, by DALI system)	
Starting time (DCmode)	≤0.4S	
Switching over time (AC/DC)	≤0.4S	
Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire lenght: 20m, same port of DALI)	Control mode
PUSH-button	Max parallel connections qty for PUSH-dim 15	
DALI	DALI dimming (Max. lead wire lenght: 300m); logarithm or linear dimming curve selectable	
Dimming range	DALI dimming: 1% - 100%	
Short circuit protection	Auto recovery	Protections
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	
Ta/Operation temperature	-20...+50 °C	
Ts/Storage temperature	-20...+90 °C	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Tc/Enclosure temperature	85 °C	
Humidity	10%...90%RH	
Atmosphere	86-108KPa	
Connection method	Push-in terminal	Construction
Installation	Indipendent	
PRI wire preparation	0,5-1,5 mm ² / 8-9mm	
SEC wire preparation	0,5-1,5 mm ² / 8-9mm	
DALI wire preparation	0,5-1,5 mm ² / 8-9mm	
Dimensions	163x30x21mm (LxWxH)	
Certification	ENEC 18	Standards
Safety standards	EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021	
Performance	EN IEC 62384:2020	
DALI performance	EN 62386-101 (DALI-2); EN 62386-102 (DALI-2); EN 62386-207 (DALI-2, including part 251, 252, 253)	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C 75000h Tc=80 °C 100000h Tc=75 °C	

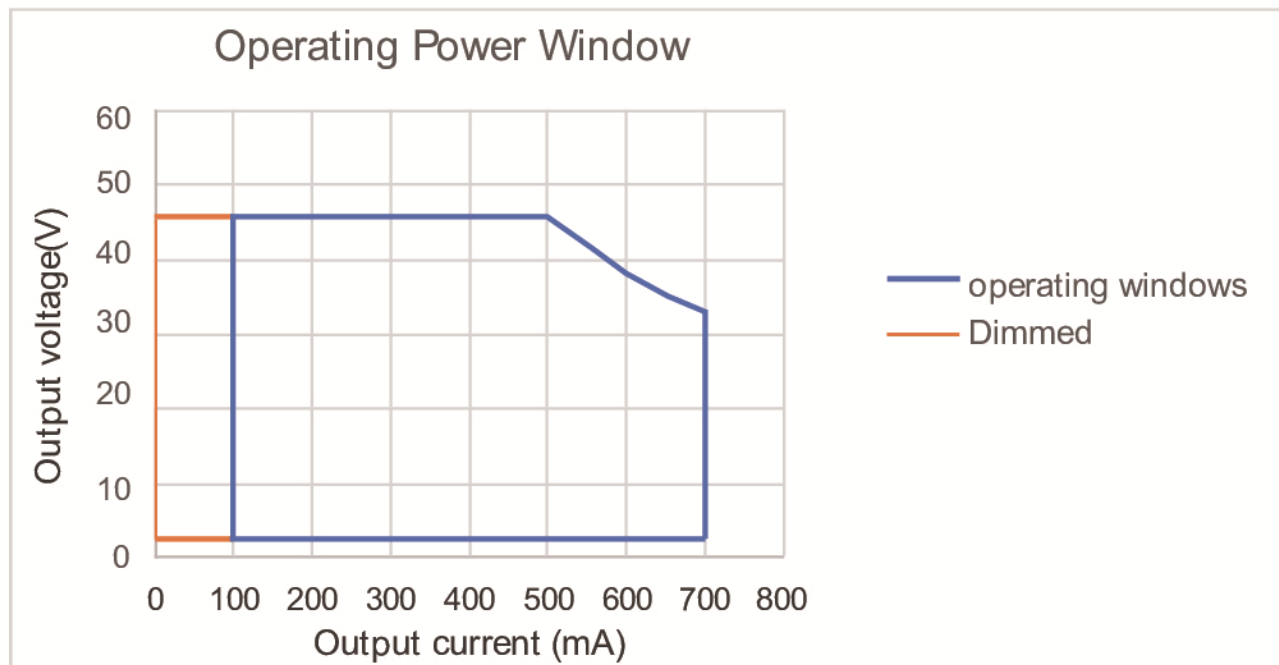
CC23WD - Output current setting

Output Current	1	2	3	4
100mA	-	-	-	-
150mA	-	-	-	ON
200mA	-	-	ON	-
250mA	-	-	ON	ON
300mA	-	ON	-	-
350mA	-	ON	-	ON
400mA	-	ON	ON	-
450mA	-	ON	ON	ON
500mA	ON	-	-	-
550mA	ON	-	-	ON
600mA	ON	-	ON	-
650mA	ON	-	ON	ON
700mA	ON	ON	-	-

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC23WD - Output power window



DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Part number	Output Current	Input Current	Input Power	Output Power Range	λ Power Factor	Efficiency @230V	Output Voltage	No Load Voltage
<u>A40CC36WD00B</u> <u>Input Voltage</u> <u>220-240</u>	150mA	0.10A	9.3W	0.37-7.50W	0.77	80%	2.5-50V	60V Max.
	200mA	0.11A	12.3W	0.50-10.00W	0.81	81%		
	250mA	0.12A	15.2W	0.62-12.50W	0.82	82%		
	300mA	0.13A	18.0W	0.75-15.00W	0.83	83%		
	350mA	0.14A	20.8W	0.87-17.50W	0.84	84%		
	400mA	0.15A	23.5W	1.00-20.00W	0.85	85%		
	450mA	0.16A	26.1W	1.12-22.50W	0.86	86%		
	500mA	0.17A	29.0W	1.25-25.00W	0.87	86%		
	550mA	0.18A	31.6W	1.37-27.50W	0.88	87%		
	600mA	0.19A	34.4W	1.50-30.00W	0.89	87%		
	650mA	0.20A	37.3W	1.62-32.50W	0.90	87%		
	700mA	0.21A	39.7W	1.75-35.00W	0.91	88%		
	750mA	0.22A	35.7W	1.87-31.50W	0.92	88%		
	800mA	0.23A	38.1W	2.00-33.60W	0.93	88%		
	850mA	0.24A	40.5W	2.12-35.70W	0.94	88%		
	900mA	0.25A	40.9W	2.25-36.00W	0.95	88%	2.5-42V	

Part number	Output Current	Input Current	Input Power	Output Power	λ Power Factor	Efficiency @110V	Output Voltage	No Load Voltage
Input Voltage 110	150mA	0.09A	8.6W	6.90W	0.98	80%	46V	60V Max.
	200mA	0.11A	11.1W	9.20W	0.98	83%		
	250mA	0.14A	13.7W	11.50W	0.98	84%		
	300mA	0.16A	16.2W	13.80W	0.99	85%		
	350mA	0.19A	18.7W	16.10W	0.99	86%		
	400mA	0.21A	21.4W	18.40W	0.99	86%		
	450mA	0.24A	24.1W	20.70W	0.99	86%		
	500mA	0.27A	27.0W	23.00W	0.99	85%		
	550mA	0.27A	27.5W	23.10W	0.98	84%	42V	
	600mA	0.27A	27.1W	22.80W	0.98	84%	38V	
	650mA	0.27A	27.4W	22.75W	0.98	83%	35V	
	700mA	0.28A	27.8W	23.10W	0.98	83%	33V	
	750mA	0.29A	28.3W	23.25W	0.98	82%	31V	
	800mA	0.29A	28.6W	23.20W	0.98	81%	29V	
	850mA	0.29A	28.7W	22.95W	0.98	80%	27V	
	900mA	0.29A	29.3W	23.40W	0.98	80%	26V	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC36WD - Other electrical data		
Output type	Constant current	Features
Dimming type	DALI-2/ PUSH-button	
IP grade	IP20	
Insulation class	Class II (compatible Class I)	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	0/50/60 Hz, Range:0/47-63Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.25A (230VAC, full load)	
Input Power	≤40.9W (230VAC, full load)	
iTHD	≤10% (230VAC, full load)	
Standby power Consumption	≤0.45W Dim to off, 230VAC)	
Inrush current	≤8.5A/16μs (230VAC, full load)	
Connected quantity of 10A Breaker	23pcs/type A; 37pcs/type B; 59pcs/type C	
Connected quantity of 16A Breaker	37pcs/type A; 59pcs/type B; 94pcs/type C	
Connected quantity of 20A Breaker	46pcs/type A; 74pcs/type B; 118pcs/type C	
Output voltage range	2.5-50VDC @ 150-700mA 2.5-42VDC @ 750-800mA 2.5-40VDC @ 900mA	Output
No load voltage	60VDC Max.	
Output current	150-900mA (Factory set current of 150mA)	
Max. output power	36W	
Efficiency	≥ 88% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	
SVM (Stroboscopic effects value)	≤ 0,4	
Starting time (AC mode)	≤0.8S (230VAC, full load, by DALI system)	
Starting time (DCmode)	≤0.4S	
Switching over time (AC/DC)	≤0.4S	
Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire lenght: 20m, same port of DALI)	Control mode
PUSH-button	Max parallel connections qty for PUSH-dim 15	
DALI	DALI dimming (Max. lead wire lenght: 300m); logarithm or linear dimming curve selectable	
Dimming range	DALI dimming: 1% - 100%	
Short circuit protection	Auto recovery	Protections
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Ta/Operation temperature	-20...+50 °C	
Ts/Storage temperature	-20...+90 °C	
Tc/Enclosure temperature	90 °C	
Humidity	10%...90%RH	
Atmosphere	86-108KPa	
Connection method	Push-in terminal	Construction
Installation	Indipendent	
PRI wire preparation	0,5-1,5 mm ² / 8-9mm	
SEC wire preparation	0,5-1,5 mm ² / 8-9mm	
DALI wire preparation	0,5-1,5 mm ² / 8-9mm	
Dimensions	163x30x21mm (LxWxH)	
Certification	ENEC 18	Standards
Safety standards	EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021	
Performance	EN IEC 62384:2020	
DALI performance	EN 62386-101 (DALI-2); EN 62386-102 (DALI-2); EN 62386-207 (DALI-2, including part 251, 252, 253)	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=90 °C 75000h Tc=85 °C 100000h Tc=80 °C	

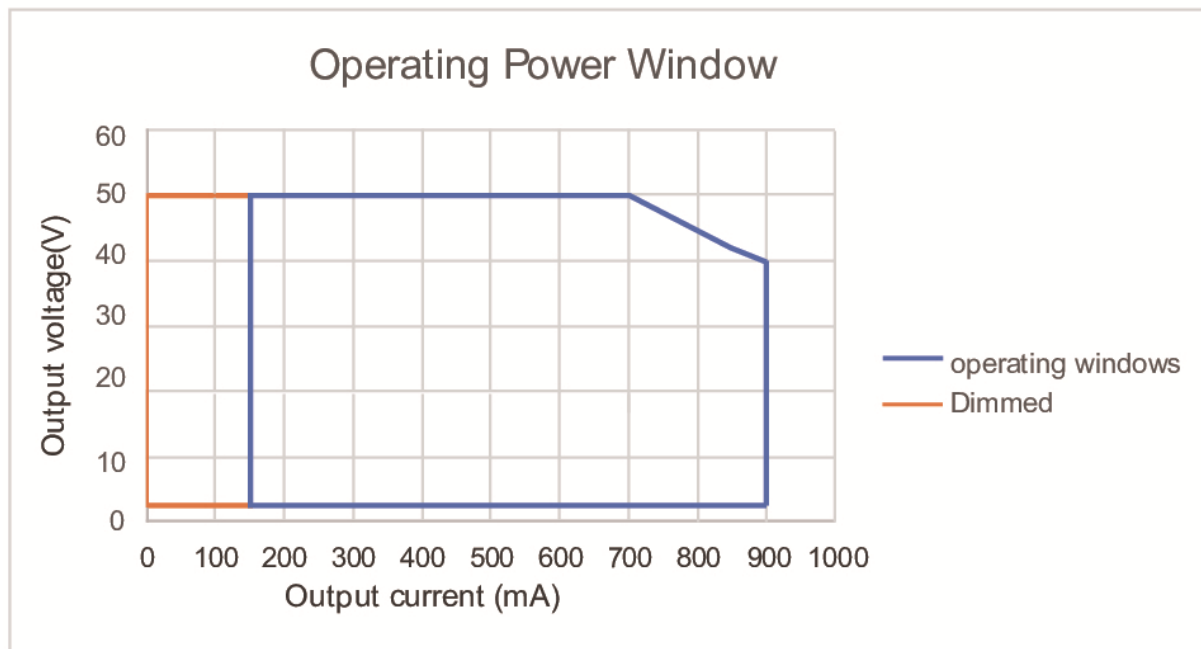
CC36WD - Output current setting

Output Current	1	2	3	4
150mA	-	-	-	-
200mA	-	-	-	ON
250mA	-	-	ON	-
300mA	-	-	ON	ON
350mA	-	ON	-	-
400mA	-	ON	-	ON
450mA	-	ON	ON	-
500mA	-	ON	ON	ON
550mA	ON	-	-	-
600mA	ON	-	-	ON
650mA	ON	-	ON	-
700mA	ON	-	ON	ON
750mA	ON	ON	-	-
800mA	ON	ON	-	ON
850mA	ON	ON	ON	-
900mA	ON	ON	ON	ON

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC36WD - Output power window



DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Part number	Output Current	Input Current	Input Power	Output Power	λ Power Factor	Efficiency @110V	Output Voltage	No Load Voltage
A40CC44WD00B Input Voltage 220-240	300mA	0.12A	17.13W	2.70-14.70W	0.86	86%	9-49V	59V Max.
	350mA	0.13A	19.83W	3.15-17.15W	0.87	86.5%		
	400mA	0.14A	22.53W	3.60-19.60W	0.88	87%		
	450mA	0.15A	25.20W	4.05-22.05W	0.89	87.5%		
	500mA	0.16A	27.90W	4.50-24.50W	0.90	88%		
	550mA	0.17A	30.62W	4.95-26.95W	0.91	88%		
	600mA	0.18A	33.41W	5.40-29.40W	0.92	88%		
	650mA	0.19A	36.19W	5.85-31.85W	0.93	88%		
	700mA	0.21A	38.97W	6.30-34.30W	0.94	88%	9-48V	
	750mA	0.22A	40.90W	6.75-36.00W	0.94	88%		
	800mA	0.22A	40.90W	7.20-36.00W	0.95	88%	9-45V	
	850mA	0.23A	43.46W	7.65-38.25W	0.95	88%		
	900mA	0.24A	46.02W	8.10-40.50W	0.95	88%		
	950mA	0.24A	45.34W	8.55-39.90W	0.95	88%	9-42V	
	1000mA	0.25A	47.72W	9.00-42.00W	0.95	88%		
	1050mA	0.26A	50.11W	9.45-44.10W	0.95	88%		

Part number	Output Current	Input Current	Input Power	Output Power	λ Power Factor	Efficiency @110V	Output Voltage	No Load Voltage
Input Voltage <u>110</u>	296mA	0.142A	15,34	13,32	0,99	87	45V	60V Max.
	345mA	0.164A	17,81	15,53	0,99	87		
	394mA	0.186A	20,33	17,73	0,99	87		
	444mA	0.209A	22,89	19,98	0,99	87		
	492mA	0.233A	25,47	22,14	0,99	87		
	542mA	0.257A	28,11	24,39	1,00	87		
	591mA	0.281A	30,82	26,60	1,00	86		
	646mA	0.316A	34,15	29,07	0,98	85		
	691mA	0.323A	34,90	29,71	0,98	85	43V	
	740mA	0.323A	34,91	29,60	0,98	85	40V	
	791mA	0.33A	35,64	30,06	0,98	84	38V	
	842mA	0.324A	35,05	29,47	0,98	84	35V	
	894mA	0.325A	35,16	29,50	0,98	84	33V	
	944mA	0.335A	36,23	30,21	0,98	83	32V	
	995mA	0.332A	35,95	29,85	0,98	83	30V	
	1045mA	0.339A	36,68	30,31	0,98	83	29V	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC44WD - Other electrical data		
Output type	Constant current	Features
Dimming type	DALI-2/ PUSH-button	
IP grade	IP20	
Insulation class	Class II (compatible Class I)	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	0/50/60 Hz, Range:0/47-63Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.26A (230VAC, full load)	
Input Power	≤50.11W (230VAC, full load)	
iTHD	≤15% (230VAC, full load)	
Standby power Consumption	≤0.45W Dim to off, 230VAC)	
Inrush current	≤20A/29μs (230VAC, full load)	
Connected quantity of 10A Breaker	10pcs/type A; 16pcs/type B; 25pcs/type C	
Connected quantity of 16A Breaker	16pcs/type A; 25pcs/type B; 40pcs/type C	
Connected quantity of 20A Breaker	20pcs/type A; 31pcs/type B; 50pcs/type C	
Output voltage range	9-49VDC @ 300-700mA 9-45VDC @ 800-900mA	Output
No load voltage	59VDC Max.	
Output current	300-1050mA (Factory set current of 150mA)	
Max. output power	44.1W	
Efficiency	≥ 88% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	
SVM (Stroboscopic effects value)	≤ 0,4	
Starting time (AC mode)	≤0.8S (230VAC, full load, by DALI system)	
Starting time (DCmode)	≤0.4S	
Switching over time (AC/DC)	≤0.4S	
Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire lenght: 20m, same port of DALI)	Control mode
PUSH-button	Max parallel connections qty for PUSH-dim 15	
DALI	DALI dimming (Max. lead wire lenght: 300m); logarithm or linear dimming curve selectable	
Dimming range	DALI dimming: 1% - 100%	
Short circuit protection	Auto recovery	Protections
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Ta/Operation temperature	-25...+45 °C @300-1000mA; -20...+40 °C @1050mA	
Ts/Storage temperature	-40...+90 °C	
Tc/Enclosure temperature	90 °C	
Humidity	10%...90%RH	
Atmosphere	86-108KPa	
Connection method	Push-in terminal	Construction
Installation	Indipendent	
PRI wire preparation	0,5-1,5 mm ² / 8-9mm	
SEC wire preparation	0,5-1,5 mm ² / 8-9mm	
DALI wire preparation	0,5-1,5 mm ² / 8-9mm	
Dimensions	163x30x21mm (LxWxH)	
Certification	ENEC 18	Standards
Safety standards	EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021	
Performance	EN IEC 62384:2020	
DALI performance	EN 62386-101 (DALI-2); EN 62386-102 (DALI-2); EN 62386-207 (DALI-2, including part 251, 252, 253)	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=90 °C	
	75000h Tc=85 °C	
	100000h Tc=80 °C	

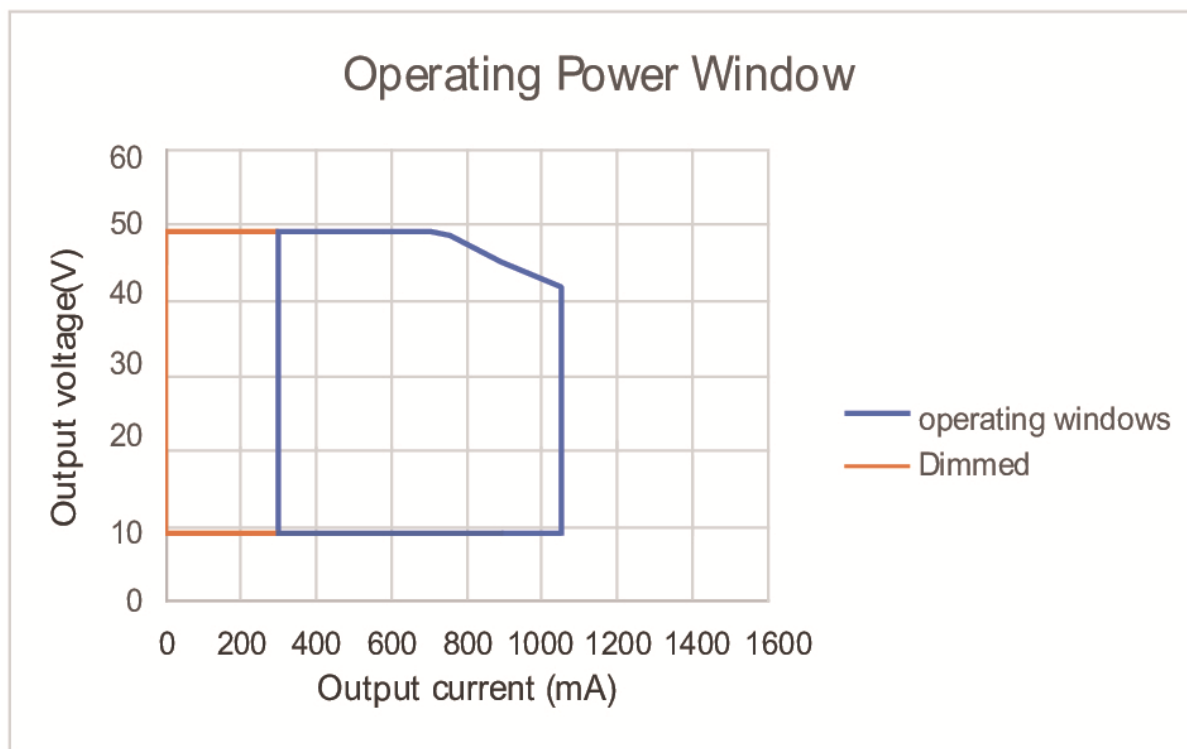
CC44WD - Output current setting

Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

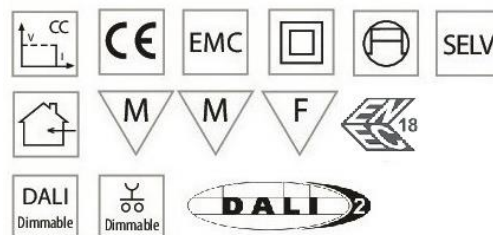
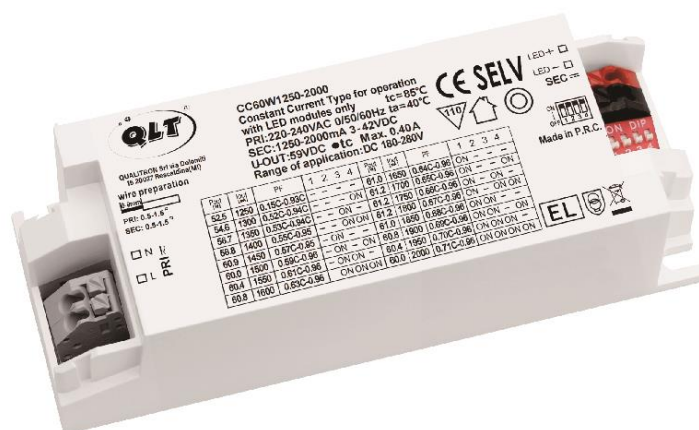
Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC44WD - Output power window



DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante



Part number	Output Current	Input Current	Input Power	Output Power Range	λ Power Factor	Efficiency @230V	Output Voltage	No Load Voltage
A40CC60WD00B Input Voltage 220-240	1250mA	0.24A	59.0W	3.75-52.50W	0.93	89%	3-42V	59V Max.
	1300mA	0.25A	61.3W	3.90-54.60W	0.94	89%	3-42V	
	1350mA	0.26A	63.7W	4.05-56.70W	0.94	89%	3-42V	
	1400mA	0.27A	65.6W	4.20-58.8W	0.95	90%	3-42V	
	1450mA	0.28A	68.4W	4.35-60.90W	0.95	89%	3-42V	
	1500mA	0.29A	68.1W	4.50-60.00W	0.96	88%	3-40V	
	1550mA	0.29A	68.6W	4.65-60.45W	0.96	88%	3-39V	
	1600mA	0.30A	69.1W	4.80-60.80W	0.96	88%	3-38V	
	1650mA	0.30A	69.3W	4.95-61.05W	0.95	88%	3-37V	
	1700mA	0.30A	69.5W	5.10-61.20W	0.96	88%	3-36V	
	1750mA	0.30A	69.6W	5.25-62.25W	0.96	88%	3-35V	
	1800mA	0.30A	69.5W	5.40-61.20W	0.96	88%	3-34V	
	1850mA	0.30A	69.3W	5.55-61.05W	0.96	88%	3-33V	
	1900mA	0.30A	69.0W	5.70-60.80W	0.96	88%	3-32V	
	1950mA	0.30A	68.6W	5.85-60.45W	0.96	88%	3-31V	
	2000mA	0.30A	68.1W	6.00-60.00W	0.96	88%	3-30V	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC60WD - Other electrical data		
Output type	Constant current	Features
Dimming type	DALI-2/ PUSH-button/ 1-10V/10V PWM/Rx	
IP grade	IP20	
Insulation class	Class II (compatible Class I)	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	0/50/60 Hz, Range:0/47-63Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.30A max	
Input Power	≤69.5W max	
iTHD	≤10% (230VAC, full load)	
Standby power Consumption	≤0.45W @230VAC (DALI system Dim to off)	
Inrush current	≤9.5A/16μs (230VAC, full load)	
Connected quantity of 10A Breaker	21pcs/type A; 33pcs/type B; 53pcs/type C	
Connected quantity of 16A Breaker	33pcs/type A; 53pcs/type B; 84pcs/type C	
Connected quantity of 20A Breaker	41pcs/type A; 66pcs/type B; 105pcs/type C	
Output voltage range	3-42VDC@800-1450mA, 3-39VDC@1550mA, 3-40VDC@1500mA 3-38VDC@1600mA 3-30VDC@2000mA 3-36VDC@1700mA,3- 35VDC@1750mA ,3-37VDC@1650mA ,3-34VDC@1800mA 3- 33VDC@1890mA,3-32VDC@1900mA,3-31VDC@1950mA	Output
No load voltage	59VDC Max.	
Output current	1250-2000mA (Factory set current of 1250mA)	
Max. output power	61.25W	
Efficiency	≥ 88% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	
SVM (Stroboscopic effects value)	≤ 0,4	
Starting time (AC mode)	≤0.8S (230VAC, full load, by DALI system)	
Starting time (DCmode)	≤0.4S	
Switching over time (AC/DC)	≤0.4S	
Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire lenght: 20m, same port of DALI)	Control mode
PUSH-button	Max parallel connections qty for PUSH-dim 15	
DALI	DALI dimming (Max. lead wire lenght: 300m); logarithm or linear dimming curve selectable	
Dimming range	DALI dimming: 1% - 100%	
Short circuit protection	Auto recovery	Protections
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Ta/Operation temperature	-20...+40 °C	
Ts/Storage temperature	-20...+85 °C	
Tc/Enclosure temperature	85 °C	
Humidity	10%...90%RH	
Atmosphere	86-108KPa	
Connection method	Push-in terminal	Construction
Installation	Built-in (without terminal cover) Independent (with terminal cover)	
PRI wire preparation	0,5-1,5 mm ² , with 8mm tin	
SEC wire preparation	0,5-1,5 mm ² / with 8mm tin	
DALI wire preparation	0,5-1,5 mm ² / 8-9mm	
Dimensions	164x43x30mm (LxWxH)	
Certification	ENEC 18	Standards
Safety standards	EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021	
Performance	EN IEC 62384:2020	
DALI performance	EN 62386-101 (DALI-2); EN 62386-102 (DALI-2); EN 62386-207 (DALI-2, including part 251, 252, 253)	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C 75000h Tc=80 °C 100000h Tc=75 °C	

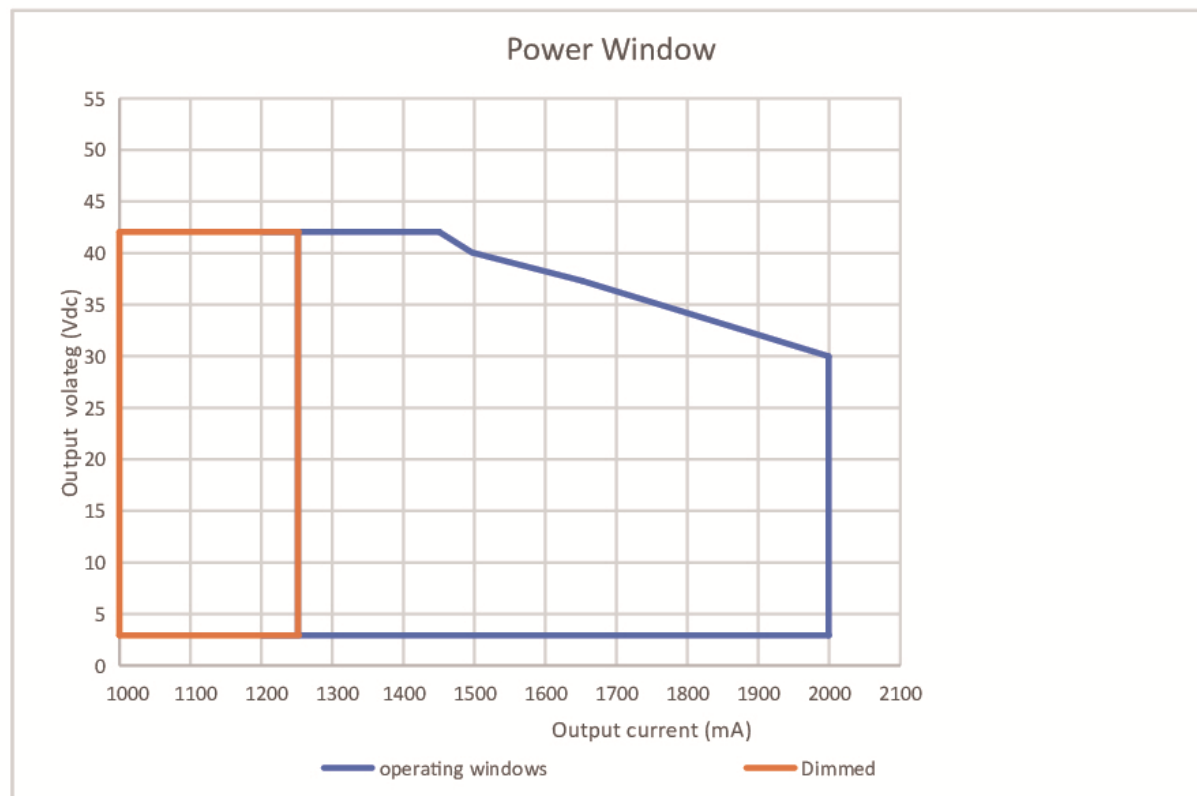
CC60WD - Output current setting

Output Current	1	2	3	4
1250mA	-	-	-	-
1300mA	-	-	-	ON
1350mA	-	-	ON	-
1400mA	-	-	ON	ON
1450mA	-	ON	-	-
1500mA	-	ON	-	ON
1550mA	-	ON	ON	-
1600mA	-	ON	ON	ON
1650mA	ON	-	-	-
1700mA	ON	-	-	ON
1750mA	ON	-	ON	-
1800mA	ON	-	ON	ON
1850mA	ON	ON	-	-
1900mA	ON	ON	-	ON
1950mA	ON	ON	ON	-
2000mA	ON	ON	ON	-

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC60WD - Output power window

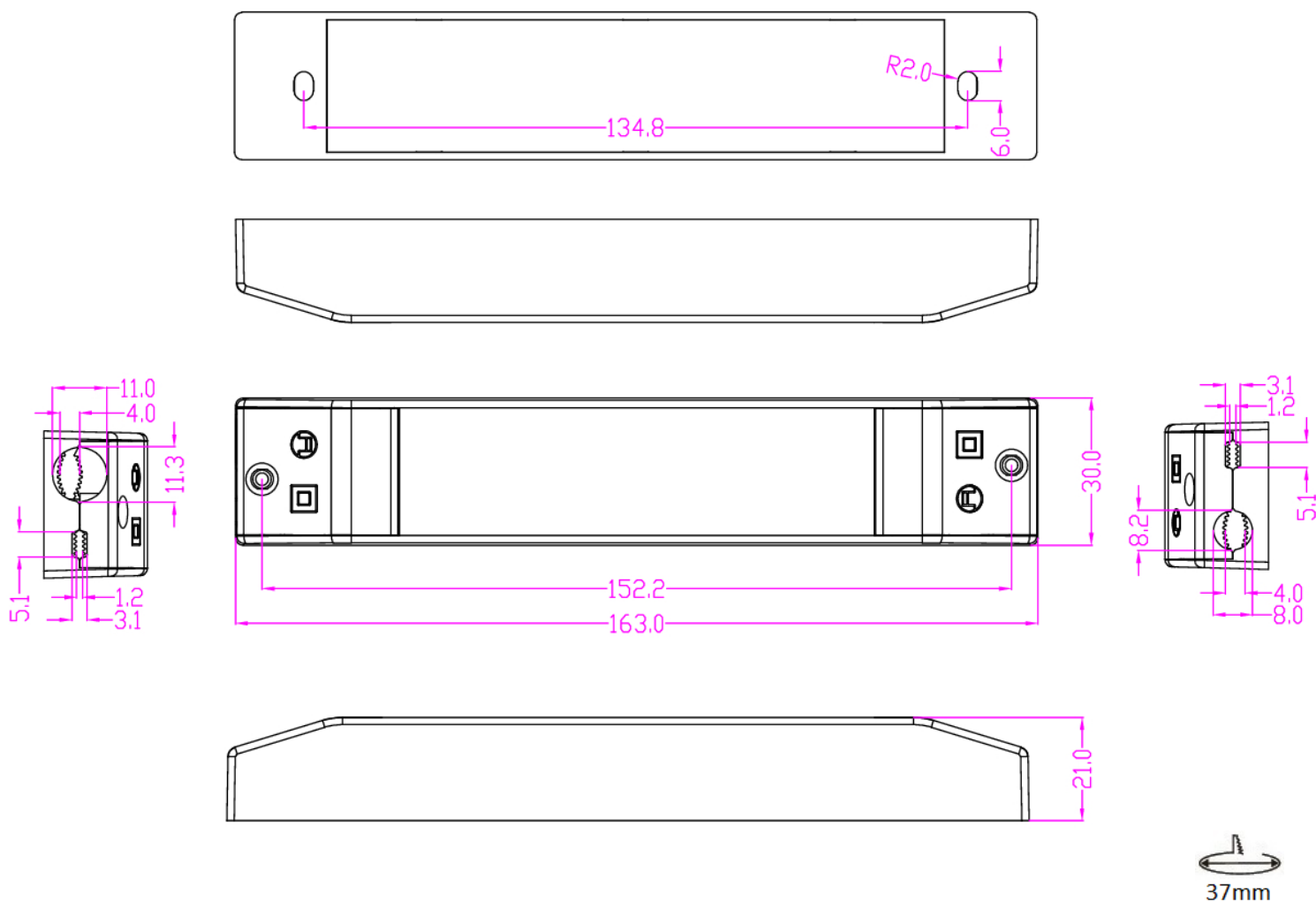


DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Product dimensions

CC23WD – CC36WD - CC44WD

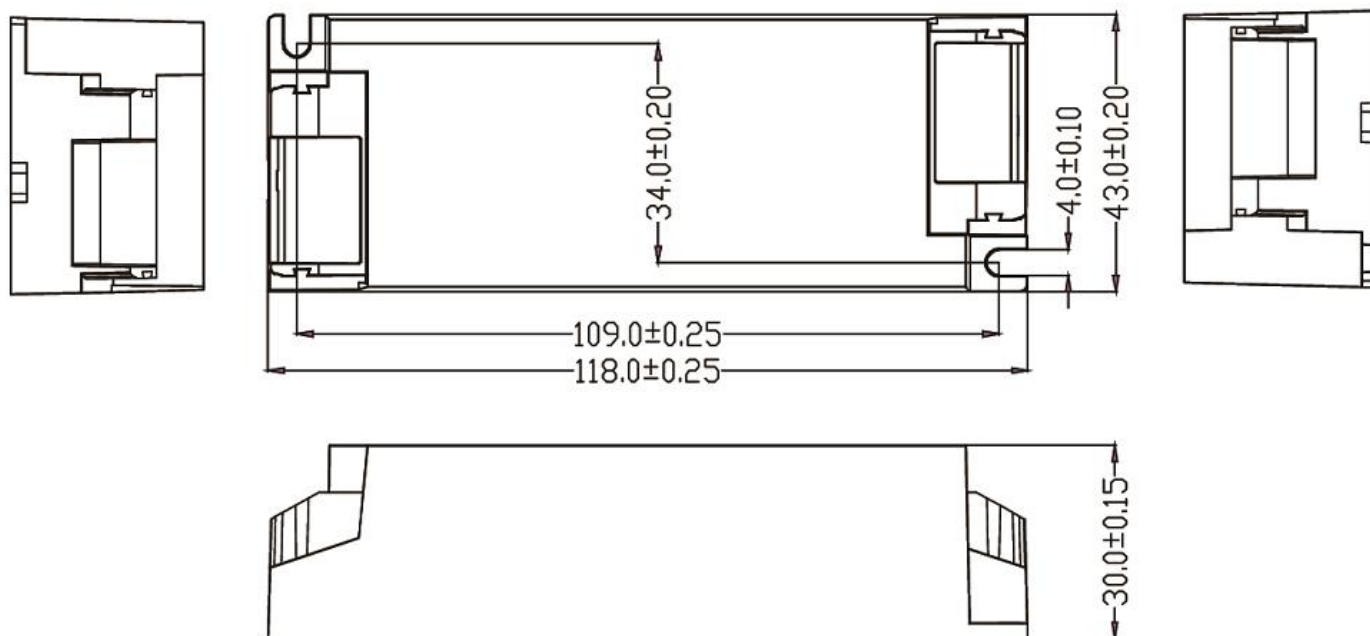


DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

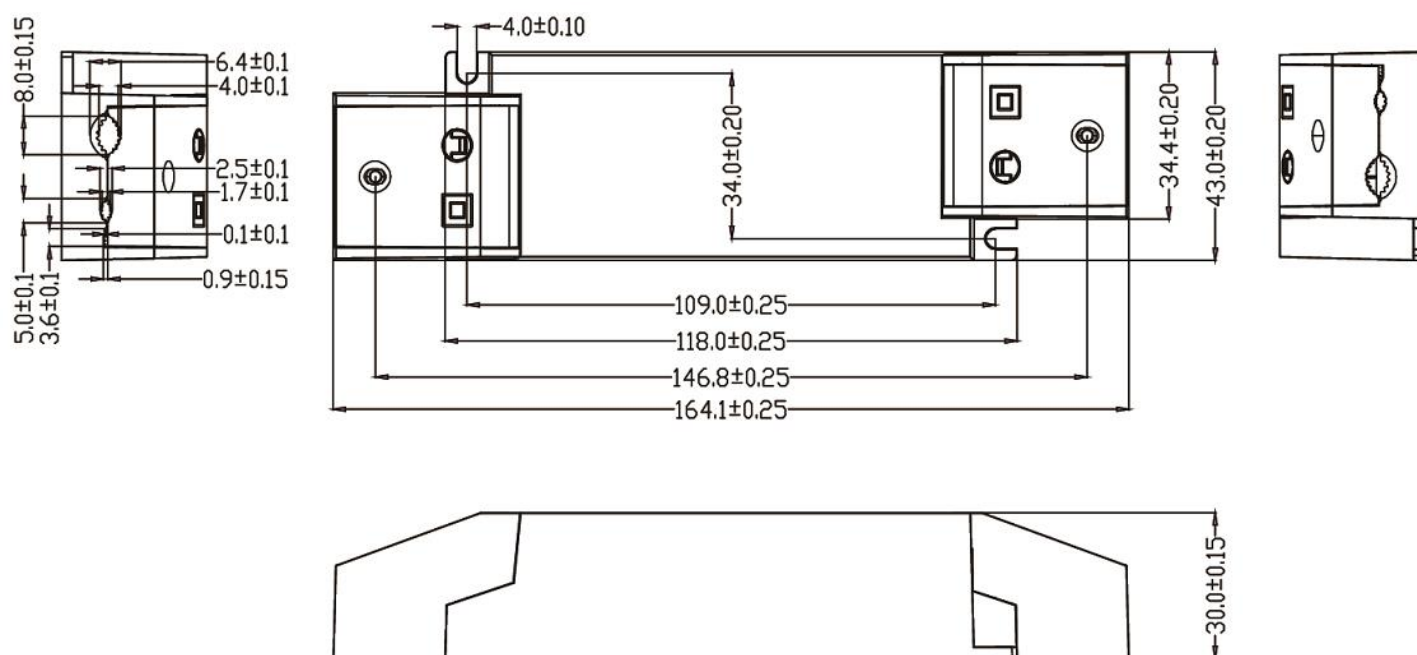
Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

CC60WD

Built-in



Independent



DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

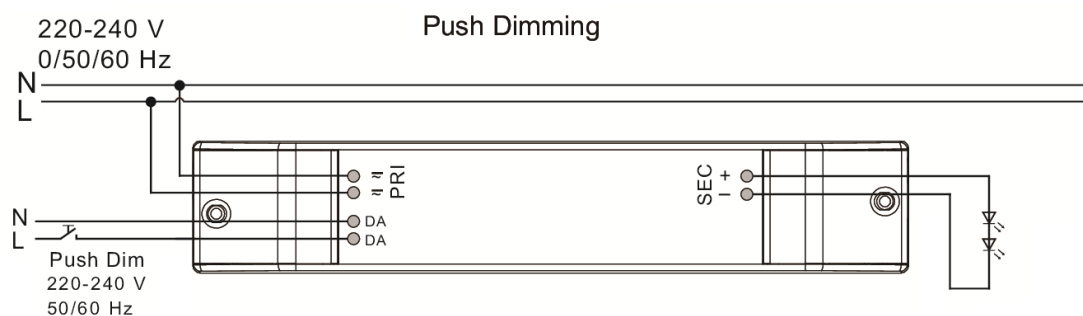
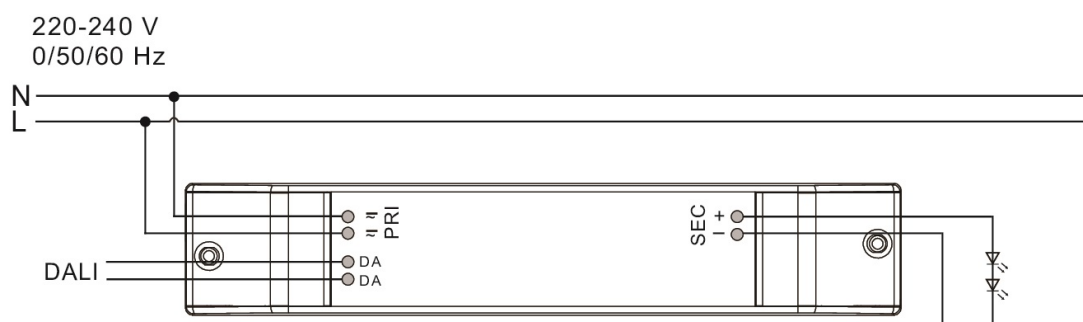
Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Product weight

A40CC23WD00B / A40CC36WD00B / A40CC44WD00B/A40CC60WD00B

95 gr. / 120 gr. / 130 gr. / 235 gr.

Wiring diagram



PUSH-BUTTON mode / Modalità pulsante

The voltage line for push-button must be the same line as on the mains input of the driver.
Use of push-button with indicator lamp is not permitted.

La linea del pulsante e quella dell'ingresso di rete del driver dev'essere la stessa.
Non è consentito l'uso di pulsanti dotati di spia.

ON/OFF and Dimming / ON/OFF e dimmerazione

Brief push (0.12 s-0.6 s): ON and OFF mode
Long push (> 0.6 s): stepless dimming function

Pressione breve del pulsante (0.12 s-0.6 s): ON/OFF
Pressione prolungata del pulsante (> 0,6 s): dimmerazione

DALI CC – DALI/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Power Off Memory Function / Funzione memoria di stato

The dimming level is saved at power-off and restored at power-on.

Il livello di dimmerazione viene salvato allo spegnimento e ripristinato all'accensione.

Push Dim / Dimmerazione

Holding push button, LED modules are dimmed

Releasing Push-button, the wished light level is set

Pushing again, the LED modules will be dimmed in the opposite direction.

The dimming range is 1%-100%.

La pressione prolungata del pulsante consente la dimmerazione dei moduli LED.

Il rilascio del pulsante interrompe la dimmerazione fissando la luce sul livello desiderato.

La dimmerazione riprenderà nella direzione opposta con una nuova pressione prolungata del pulsante.

L'intervallo di dimmerazione è da 1% a 100%.

Forced Synchronization / Sincronizzazione forzata

In installations with LED drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED drivers can be synchronized to 50 % dimming level by a 10 s push.

Nelle installazioni con driver LED posizionati su diversi livelli di dimmerazione o direzioni opposte di dimmerazione (ad esempio in seguito ad un'estensione dell'impianto), tutti i driver LED possono essere sincronizzati.

Con una pressione prolungata del pulsante (10 s), tutti i driver verranno sincronizzati al livello di dimmerazione del 50%.

Push Dimming rate (time to go from minimum to maximum light level and viceversa)

Velocità di dimmerazione (tempo per passare dal livello minimo al livello massimo di luce e viceversa)

The default dimming speed is 3s.

La velocità di dimmerazione impostata di default è di 3 s.

Setting of dimming speed / Impostazione della velocità di dimmerazione

The dimming speed can be changed from 3s by default to 6s, by a long press of the button (≥ 20 s).

At the midpoint (10 s) of the long press that leads to 20s, the synchronization of the devices takes place automatically, which brings the light level to 50%.

A long press of 10s brings the dimming speed back to the default 3s.

La velocità di dimmerazione può passare dai 3 s di default a 6 s, attraverso una pressione prolungata del pulsante (≥ 20 s).

Nel punto intermedio (10 s) della pressione senza interruzioni che porta ai 20 s, avviene automaticamente la sincronizzazione dei dispositivi che porta il livello della luce al 50%.

Una pressione prolungata di 10 s riporta la velocità di dimmerazione ai 3 s di default.