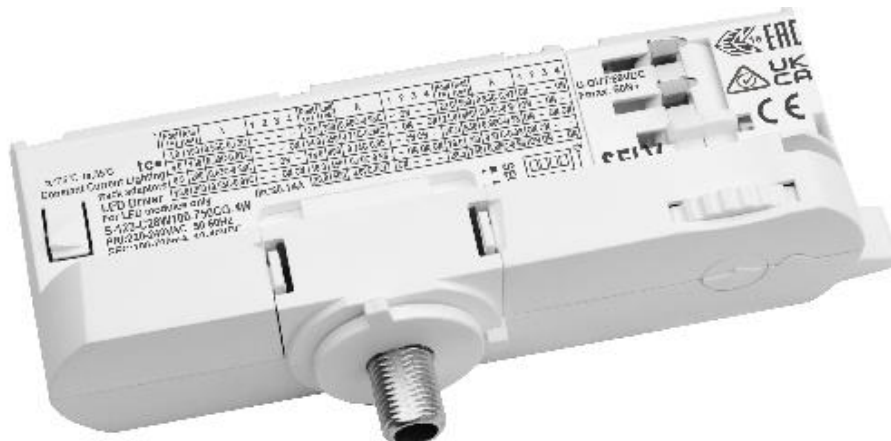


SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore 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
A40SC280004x x=B (white) x=N (black)	100mA	0.01A	4.76 W	1.00-4.00 W	0.73	84%	10-40 V	59 V
	150mA	0.02A	7.05 W	1.50-6.00 W	0.82	85%	10-40 V	
	200mA	0.03A	9.41 W	2.00-8.00 W	0.88	85%	10-40 V	
	250mA	0.04A	11.62 W	2.50-10.00 W	0.91	86%	10-40 V	
	300mA	0.05A	13.79 W	3.00-12.00 W	0.93	87%	10-40 V	
	350mA	0.06A	16.09 W	3.50-14.00 W	0.94	87%	10-40 V	
	400mA	0.07A	18.18 W	4.00-16.00 W	0.95	88%	10-40 V	
	450mA	0.08A	20.45 W	4.50-18.00 W	0.96	88%	10-40 V	
	500mA	0.09A	22.72 W	5.00-20.00 W	0.97	88%	10-40 V	
	550mA	0.10A	25.00 W	5.50-22.00 W	0.97	88%	10-40 V	
	600mA	0.11A	27.27 W	6.00-24.00 W	0.97	88%	10-40 V	
	650mA	0.12A	29.54 W	6.50-26.00 W	0.98	88%	10-40 V	
	700mA	0.13A	31.81 W	7.00-28.00 W	0.98	88%	10-40 V	
	750mA	0.14A	32.57 W	7.50-28.50 W	0.98	87.5%	10-40 V	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Other electrical data		
Output type	Constant current	Features
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	50/60 Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.14 A (230VAC, full load)	
Input Power	≤32.57 W (230VAC, full load)	
iTHD	≤20% (230VAC, full load)	
Standby power Consumption	≤0.5W @230VAC	
Inrush current	≤8.5A/16μs (230VAC, full load)	
Connected quantity of 10A Breaker	22pcs/type A; 36pcs/type B; 58pcs/type C @230 VAC	Output
Connected quantity of 16A Breaker	36pcs/type A; 58pcs/type B; 94pcs/type C @230 VAC	
Connected quantity of 20A Breaker	45pcs/type A; 73pcs/type B; 117pcs/type C @230 VAC	
Output voltage range	10-40VDC @ 100-700mA, 10-38VDC @ 750mA	
No load voltage	59VDC Max.	
Output current	100-750mA (Factory set current of 100mA)	
Max. output power	28.5 W	
Efficiency	≥ 88% (230VAC, full load)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	Protections
SVM (Stroboscopic effects value)	≤ 0,4	
Starting delay time	≤0.5S (230VAC, full load)	
Short circuit protection	Auto recovery	
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	Environment
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	
Ta/Operation temperature	-25...+35 °C	
Ts/Storage temperature	-25...+75 °C	
Tc/Enclosure temperature	75 °C	
Humidity	10%...90%RH	Construction
Atmosphere	86-108KPa	
Connection method	Push-in terminal	
Installation	Indipendent	
SEC wire preparation	0,5-1,5 mm ²	
Dimensions	123,1x31,1x42,2mm (LxWxH)	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Certification	ENEC 18	Standards
Safety standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017	
Performance	EN62384	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=75 °C 75000h Tc=70 °C 100000h Tc=65 °C	

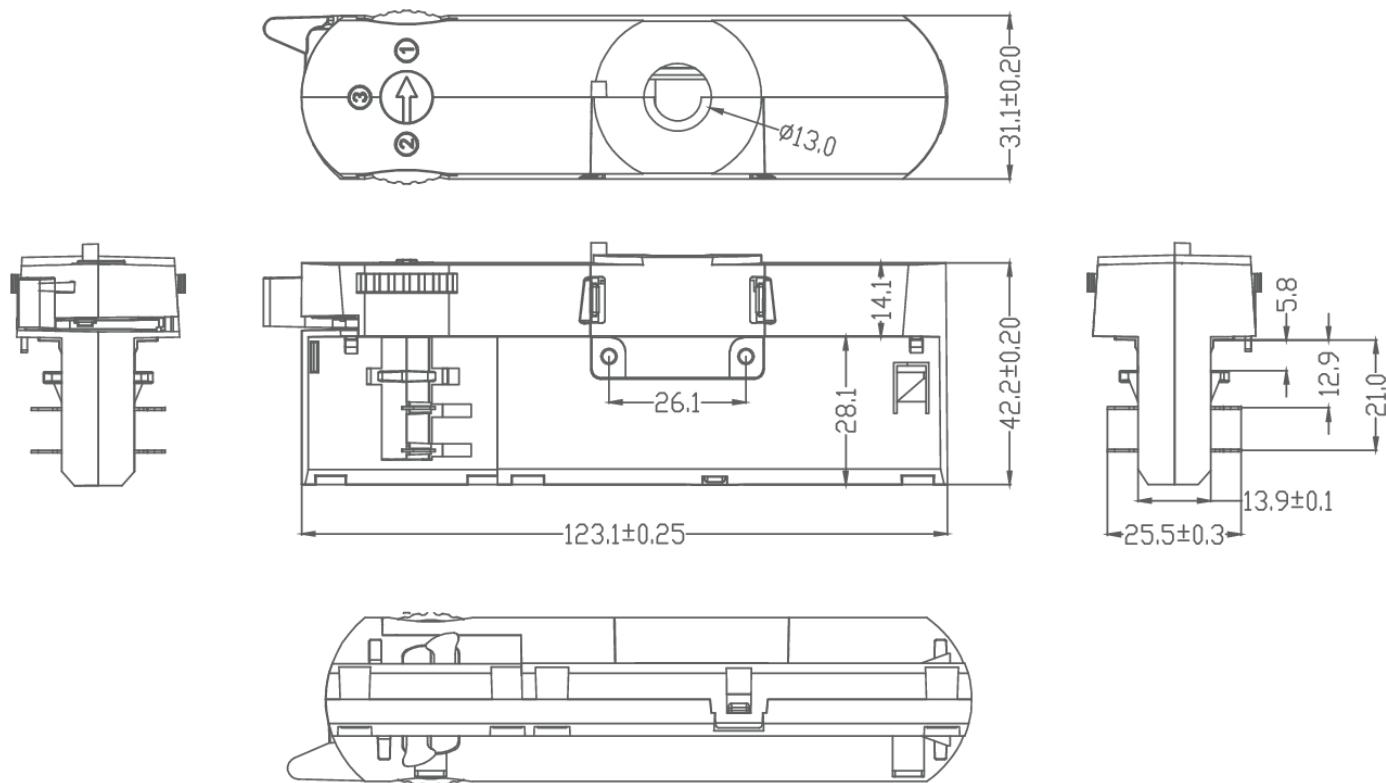
Output current setting

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	-	-
750mA	ON	ON	-	ON

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

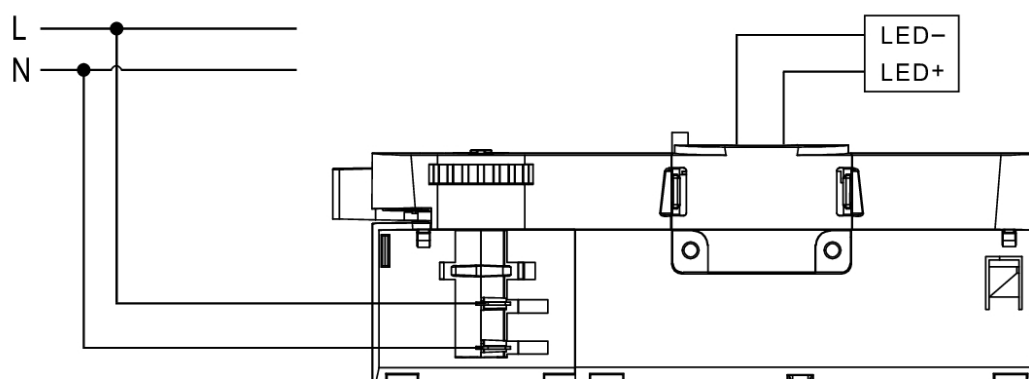
Product dimensions (mm)



Product weight

A40SC28000x	90 gr.
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Wiring diagram



SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore 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
A40SC42H004x x=B (white) x=N (black)	300mA	0.08A	14.31 W	3.00-12.60 W	0.93	88%	10-42 V	59 V
	350mA	0.09A	16.51 W	3.50-14.70 W	0.95	89%	10-42 V	
	400mA	0.11A	18.87 W	4.00-16.80 W	0.97	89%	10-42 V	
	450mA	0.12A	21.23 W	4.50-18.90 W	0.97	89%	10-42 V	
	500mA	0.13A	23.33 W	5.00-21.00 W	0.97	90%	10-42 V	
	550mA	0.14A	25.66 W	5.50-23.10 W	0.97	90%	10-42 V	
	600mA	0.15A	28.00 W	6.00-25.20 W	0.97	90%	10-42 V	
	650mA	0.16A	33.33 W	6.50-27.30 W	0.98	90%	10-42 V	
	700mA	0.17A	32.66 W	7.00-29.40 W	0.98	90%	10-42 V	
	750mA	0.18A	35.00 W	7.50-31.50 W	0.98	90%	10-42 V	
	800mA	0.20A	37.33 W	8.00-33.60 W	0.98	90%	10-42 V	
	850mA	0.21A	37.77 W	8.50-34.00 W	0.98	90%	10-40 V	
	900mA	0.22A	40.00 W	9.00-36.00 W	0.98	90%	10-40 V	
	950mA	0.22A	42.22 W	9.50-38.00 W	0.98	90%	10-40 V	
	1000mA	0.23A	44.44 W	10.00-40.00 W	0.98	90%	10-40 V	
	1050mA	0.23A	46.66 W	10.50-42.00 W	0.98	90%	10-40 V	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Other electrical data		
Output type	Constant current	Features
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	220-240 VAC	Input
Input voltage	198-264 VAC	
Input voltage DC	180-280 VDC	
Mains frequency	50/60 Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.23A (230VAC, full load)	
Input Power	≤45.65 W (230VAC, full load)	
iTHD	≤20% (230VAC, full load)	
Standby power Consumption	≤0.50 W Dim to off, 230VAC)	
Inrush current	≤9.5A/16μs (230VAC, full load)	
Connected quantity of 10A Breaker	21pcs/type A; 33pcs/type B; 53pcs/type C @230 VAC	Output
Connected quantity of 16A Breaker	33pcs/type A; 53pcs/type B; 84pcs/type C @230 VAC	
Connected quantity of 20A Breaker	41pcs/type A; 66pcs/type B; 105pcs/type C @230 VAC	
Output voltage range	10-42VDC @ 300-800mA, 10-40VDC @ 850-1050mA	
No load voltage	59VDC Max.	
Output current	300-1050mA (Factory set current of 300mA)	
Max. output power	42 W	
Efficiency	≥ 90% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	
PSTLM (Flicker value)	≤ 1	Protections
SVM (Stroboscopic effects value)	≤ 0,4	
Starting delay time	≤0.5S (230VAC, full load)	
Short circuit protection	Auto recovery	
Overload protection	Auto recovery (not be hot swap)	
No-load protection	Auto recovery	
Insulation voltage	3750V 5mA 2S between PRI-SEC	Environment
Insulation resistance	>100M ohm @500VDC L/N to PE	
Leakage current	<700μA, I/P to O/P @230V input	
Ta/Operation temperature	-25...+35 °C	
Ts/Storage temperature	-25...+75 °C	
Tc/Enclosure temperature	75 °C	
Humidity	10%...90%RH	Construction
Atmosphere	86-108KPa	
Connection method	Push-in terminal	
Installation	Indipendent	
SEC wire preparation	0,5-1,5 mm ²	
DALI wire preparation	0,5-1,5 mm ² / 8-9mm	
Dimensions	158x31,1x42,1mm (LxWxH)	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Certification	ENEC 18	Standards
Safety standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017	
Performance	EN62384	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=75 °C	
	75000h Tc=70 °C	
	100000h Tc=65 °C	

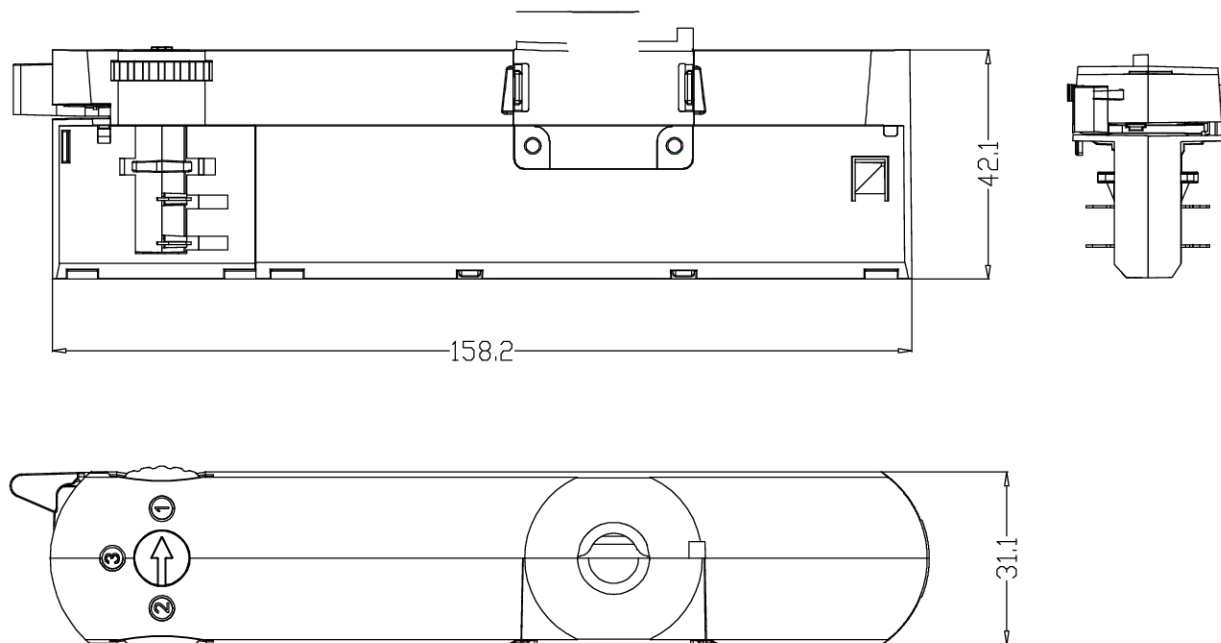
Output current setting

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

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

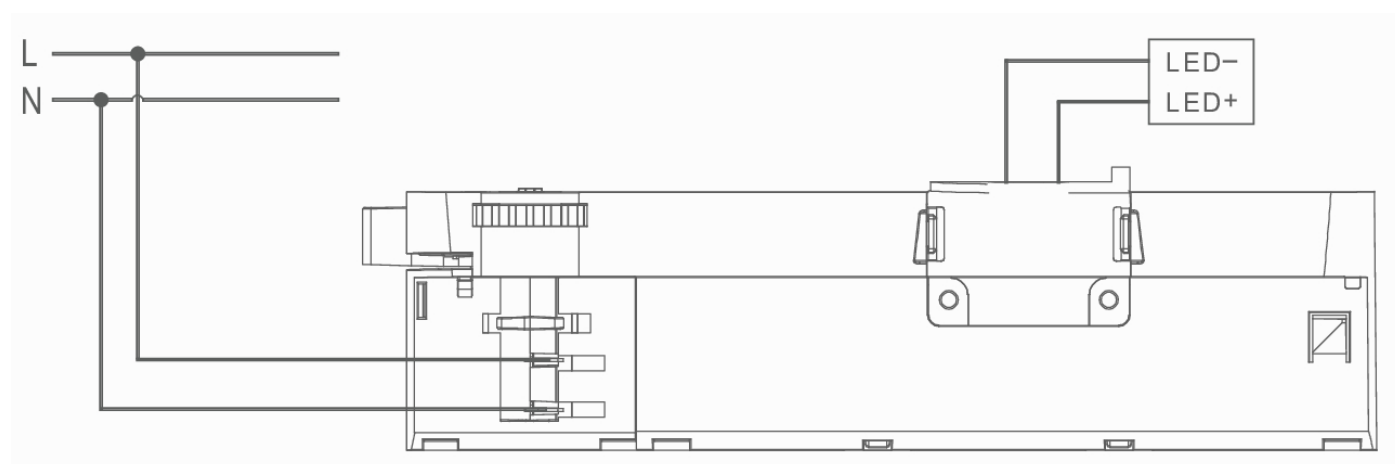
Product dimensions (mm)



Product weight

A40SC42H004x	125 gr.
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Wiring diagram



SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore 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
A40SC42ED04x x=B (white) x=N (black)	300mA	0.08A	14.48 W	3.00-12.60 W	0.86	87.2%	10-42 V	59 V
	350mA	0.09A	16.70 W	3.50-14.70 W	0.87	88.1%	10-42 V	
	400mA	0.11A	19.10 W	4.00-16.80 W	0.88	88.3%	10-42 V	
	450mA	0.12A	21.48 W	4.50-18.90 W	0.89	88.6%	10-42 V	
	500mA	0.13A	23.60 W	5.00-21.00 W	0.90	89.0%	10-42 V	
	550mA	0.14A	25.96 W	5.50-23.00 W	0.91	89.0%	10-42 V	
	600mA	0.15A	30.40 W	6.00-25.20 W	0.92	89.0%	10-42 V	
	650mA	0.16A	30.67 W	6.50-27.30 W	0.93	89.0%	10-42 V	
	700mA	0.17A	33.03 W	7.00-29.40 W	0.94	89.0%	10-42 V	
	750mA	0.18A	35.40 W	7.50-31.50 W	0.94	89.0%	10-42 V	
	800mA	0.20A	37.75 W	8.00-33.60 W	0.95	89.0%	10-42 V	
	850mA	0.21A	38.20 W	8.50-34.00 W	0.95	89.0%	10-40 V	
	900mA	0.22A	40.45 W	9.00-36.00 W	0.96	89.0%	10-40 V	
	950mA	0.22A	42.70 W	9.50-38.00 W	0.96	89.0%	10-40 V	
	1000mA	0.23A	44.95 W	10.00-40.00 W	0.97	89.0%	10-40 V	
	1050mA	0.23A	47.20 W	10.50-42.00 W	0.97	89.0%	10-40 V	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Other electrical data		
Output type	Constant current	Features
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	50/60 Hz	
Overvoltage protection	2h@380VAC, 48h@320VAC	
Input Current	≤0.12A (230VAC, full load)	
Input Power	≤47.2W (230VAC, full load)	
iTHD	≤8% (230VAC, full load)	
Standby power Consumption	≤0.50W @230VAC	
Inrush current	≤9.5A/16μs (230VAC, full load)	
Connected quantity of 10A Breaker	21pcs/type A; 33pcs/type B; 53pcs/type C @230VAC	Output
Connected quantity of 13A Breaker	26pcs/type A; 42pcs/type B; 68pcs/type C @230VAC	
Connected quantity of 16A Breaker	33pcs/type A; 53pcs/type B; 84pcs/type C @230VAC	
Connected quantity of 16A Breaker	41pcs/type A; 66pcs/type B; 105pcs/type C @230VAC	
Output voltage range	10-42VDC @ 300-800mA, 10-40VDC @ 850-1050mA	
No load voltage	59VDC Max.	
Output current	300-1050mA (Factory set current of 300mA)	
Max. output power	42 W	
Efficiency	≥ 89% (230VAC, full load @ max current)	
Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)	
Current accuracy	±5%	Protections
Starting delay time	≤ 5S	
PSTLM (Flicker value)	≤ 1	
SVM (Stroboscopic effects value)	≤ 0,4	
Short circuit protection	Auto recovery	
Overload protection	Auto recovery (not be hot swap)	Environment
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	-25...+35 °C	Construction
Ts/Storage temperature	-25...+75 °C	
Tc/Enclosure temperature	75 °C	
Humidity	10%...90%RH	
Atmosphere	86-108KPa	
Installation	Indipendent	
SEC wire preparation	0,3-0,75 mm ²	Construction
Cable selection	0,5mm @15m distance	
Cable selection	0,75mm @30m distance	
Cable selection0,	1,0mm @50m distance	
Dimensions	212,7x31,9x36,4mm (LxWxH)	

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Certification	ENEC 18	Standards
Safety standards	EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021	
Performance	EN IEC 62384:2020	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=75 °C 75000h Tc=70 °C 100000h Tc=65 °C	

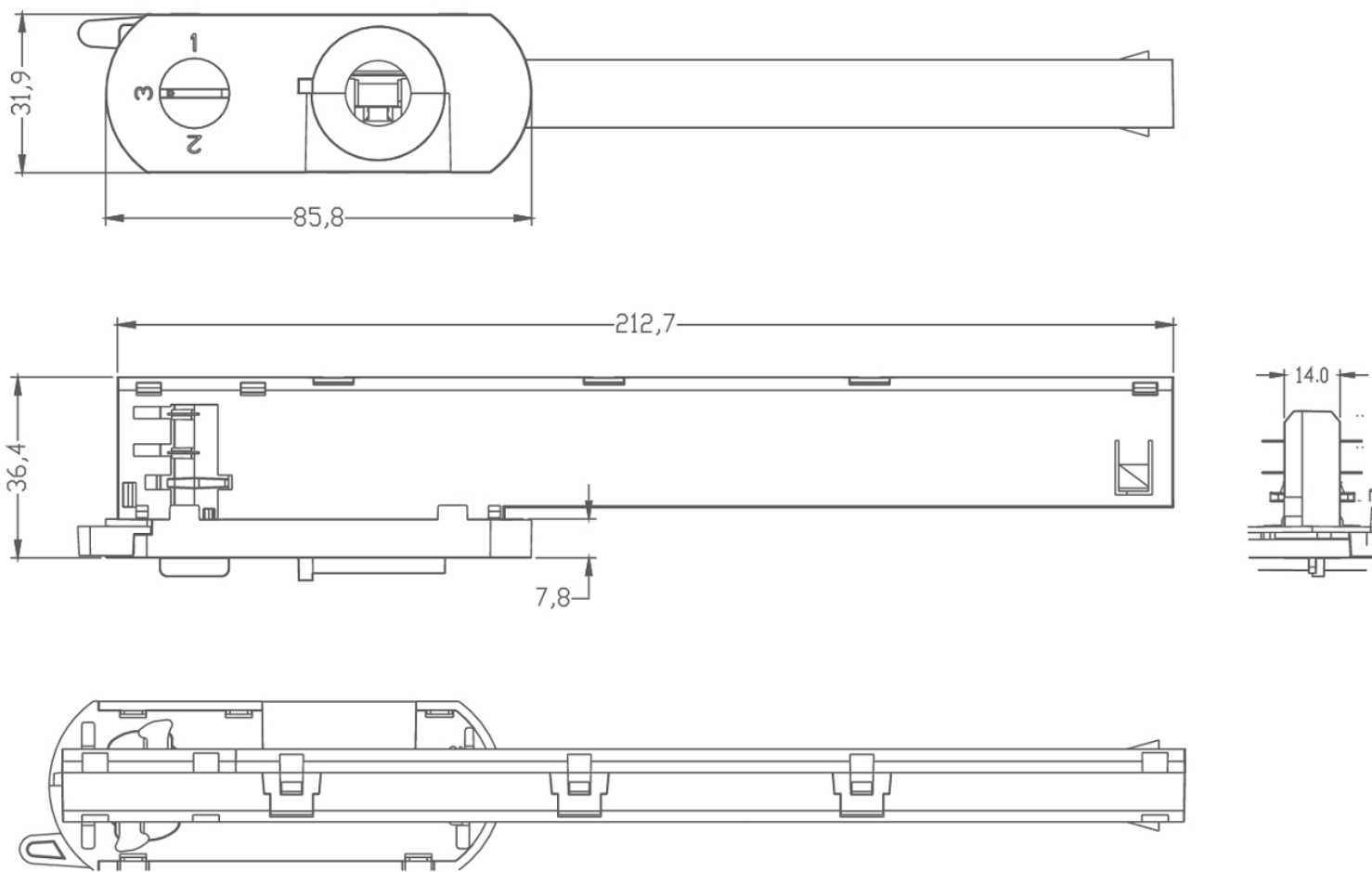
Output current setting

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

SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Product dimensions (mm)



Product weight

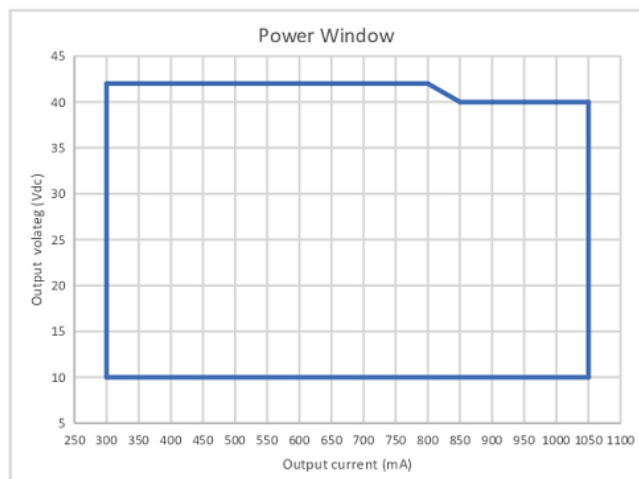
A40SC42ED04x	110 gr.
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SC TRACK PS ON/OFF

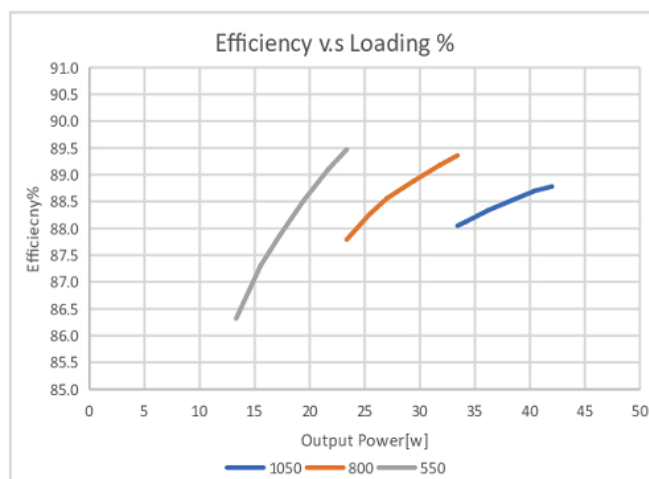
Constant current LED driver / Alimentatore per LED a corrente costante

Electrical values

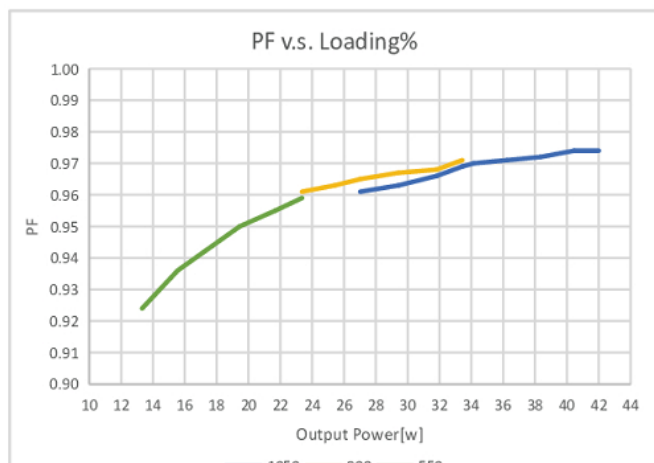
1. Operating power windows



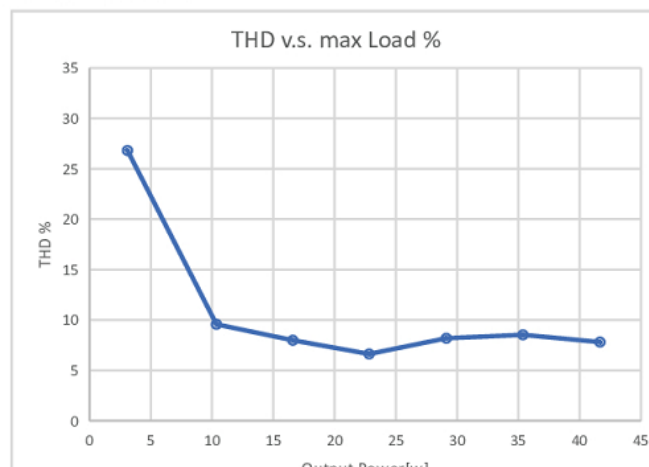
2. Efficiency v.s. Load



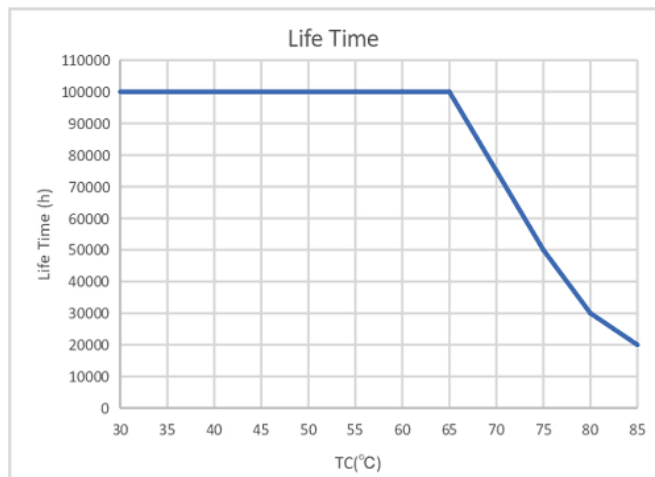
3. PF v.s. Load



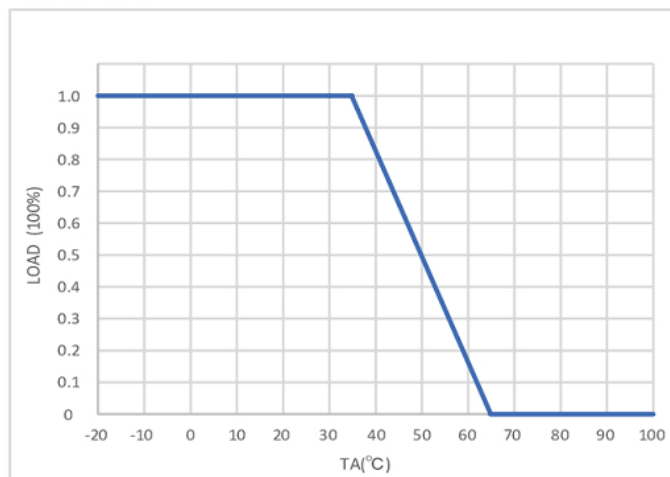
4. THD v.s. Load



5. Life time



5. Life time



SC TRACK PS ON/OFF

Constant current LED driver / Alimentatore per LED a corrente costante

Wiring diagram

