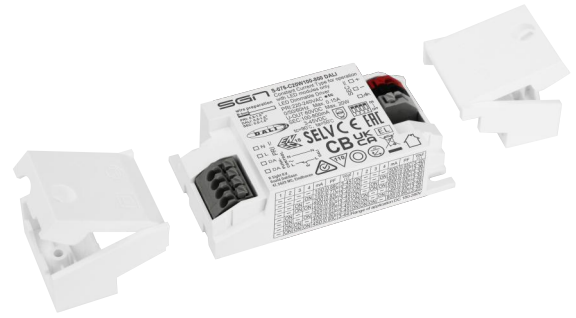


Constant Current Driver

- The housing is made from V0 flame retardant PC materials from COVESTRO.
- Small size and light weight. Wide range of applicable lamps.
- Class 2 LED driver, Safety Extra Low Voltage (SELV).
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Overheat, overload, short circuit protection and automatic recovery.
- Up to 50,000-hour life time.
- 5-year warranty (AiSHi capacitor).



The certification icon represents on-going certification applications only, and final certification qualification is subject to actual products.

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Typical Efficiency	Output Voltage	No load Voltage
S-075-C28W100-800	100mA	0.08A	5.4W	0.30-4.60W	0.16-0.57	83%	3-46V	60V Max.
	150mA	0.09A	7.9W	0.45-6.90W	0.19-0.67	86%		
	200mA	0.10A	10.4W	0.60-9.20W	0.24-0.75	87%		
	250mA	0.11A	13.0W	0.75-11.50W	0.26-0.80	87%		
	300mA	0.12A	15.5W	0.90-13.80W	0.29-0.84	88%		
	350mA	0.13A	18.0W	1.05-16.10W	0.32-0.86	88%		
	400mA	0.14A	20.4W	1.20-18.40W	0.34-0.89	89%		
	450mA	0.15A	23.0W	1.35-20.70W	0.36-0.90	89%		
	500mA	0.16A	25.8W	1.50-23.00W	0.38-0.92	88%		
	550mA	0.17A	28.4W	1.65-25.30W	0.39-0.93	88%		
	600mA	0.18A	31.0W	1.80-27.60W	0.40-0.94	88%		
	650mA	0.19A	31.4W	1.95-27.95W	0.42-0.94	88%	3-43V	
	700mA	0.19A	31.8W	2.10-28.00W	0.43-0.94	87%	3-40V	
	750mA	0.19A	31.5W	2.25-27.75W	0.46-0.94	87%	3-37V	
800mA	0.19A	31.8W	2.40-28.00W	0.48-0.94	87%	3-35V		

* Test result @230V, 50Hz, Full Load

Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.19A max (230VAC, full load)
	Input Power	≤31.8W max (230VAC, full load)
	Power Factor	≥0.94 (230VAC, full load)

Input	THD	≤13% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤8.2A/16us (230VAC, full load)
	Connected quantity of 10A Breaker	23pcs/type A ;38pcs/type B ;60pcs/type C@230Vac
	Connected quantity of 13A Breaker	30pcs/type A ;49pcs/type B ;79pcs/type C@230Vac
Connected quantity of 16A Breaker	38pcs/type A ;60pcs/type B ;97pcs/type C@230Vac	
Connected quantity of 20A Breaker	47pcs/type A ;76pcs/type B ;121pcs/type C@230Vac	
Output	Output Voltage Range	3-46VDC@100-600mA; 3-43VDC@650mA; 3-40VDC@700mA 3-37VDC@750mA; 3-35VDC@800mA
	No-load Voltage	60VDC Max.
	Output Current	100mA-800mA (Max.output) , Factory set current of 100mA
	Max. Output Power	28W
	Efficiency	≥89% (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	Starting Delay Time	≤0.5S (230VAC, full load)
	Pst LM	≤1
SVM	≤0.4	
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 700μA, I/P to O/P @230V input
Environment	Ta/Operation Temperature	-20...+50 C
	Ts/Storage Temperature	-20...+90 C
	Tc/Enclosure Temperature	90 C
	Humidity	10%...90%RH
	Atmosphere pressure	86-108KPa
Construction	Installation	Build-in/Independent
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	Dimension	75*40*21mm (L*W*H)
Standards	Certification	CE/ENEC/SAA/UKCA/EAC/CB
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-1-1:2015+A1:2017; IEC 61347-13:2014+A1:2016;
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017;BS EN IEC 55015:2019+A11:2020;EN 61547:2009; BS EN IEC 61000-3-2:2019; BS EN IEC 61000-3-3:2013+A1:2019;
	Performance	EN 62384
	Surge	L/N-Ground:2kV; L-N:1kV
Others	RoHs	complied to 2011/65/EU
	Life Time	50000h Tc=90 C
		75000h Tc=85 C
		100000h Tc=80 C
Warranty	5years , F.R. < 10000ppm	

Remark:

- All Parameters, if not specified, are measured at 230VAC/50Hz and 25 C ambient temperature.
- LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

Distance	15m	30m	50m
Cable selection	0.5mm ²	0.75mm ²	1.0mm ²

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
800mA	ON	ON	ON	-

Label

SGN
LED Driver
S-075-C28W100-800
Constant Current Type for operation with LED modules only
PRI:220-240VAC
0/50/60Hz Max. 0.19A
U-OUT:60VDC Max. 28W
SEC:100-800mA 3-46VDC
tc=90°C, ta=50°C

wire preparation
8-9mm
PRI: 0.5-1.5°
SEC: 0.5-1.5°

ON OFF
1 2 3 4

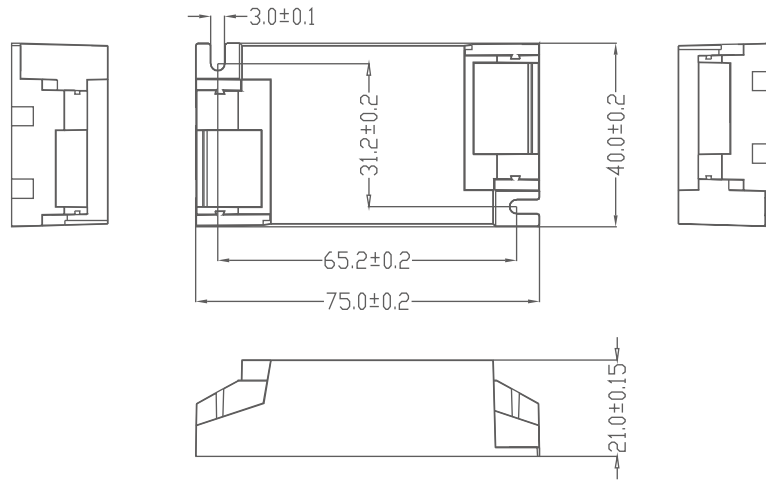
CE ENEC 18 UKCA CB EL SELV 110

R Sight B.V.
Roald Dahlleaan
47, 5629 MC, Eindhoven

1	2	3	4	mA	PF	Vout (V)	1	2	3	4	mA	PF	Vout (V)
-	-	-	-	100	0.16C-0.57C	3-46	ON	-	-	-	500	0.38C-0.92C	3-46
-	-	-	ON	150	0.19C-0.67C	3-46	ON	-	-	ON	550	0.39C-0.93C	3-46
-	-	ON	-	200	0.24C-0.75C	3-46	ON	-	ON	-	600	0.40C-0.94C	3-46
-	-	ON	ON	250	0.26C-0.80C	3-46	ON	-	ON	ON	650	0.42C-0.94C	3-43
-	ON	-	-	300	0.29C-0.84C	3-46	ON	ON	-	-	700	0.43C-0.94C	3-40
-	ON	-	ON	350	0.32C-0.86C	3-46	ON	ON	-	ON	750	0.46C-0.94C	3-37
-	ON	ON	-	400	0.34C-0.89C	3-46	ON	ON	ON	-	800	0.48C-0.94C	3-35
-	ON	ON	ON	450	0.36C-0.90C	3-46	Range of application:DC 180-280V						

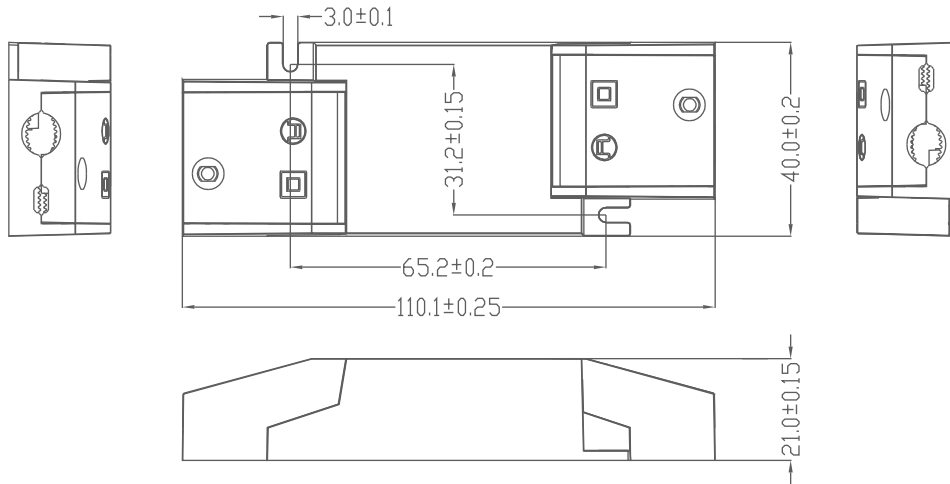
Dimension (Unit: mm)

Built in type:



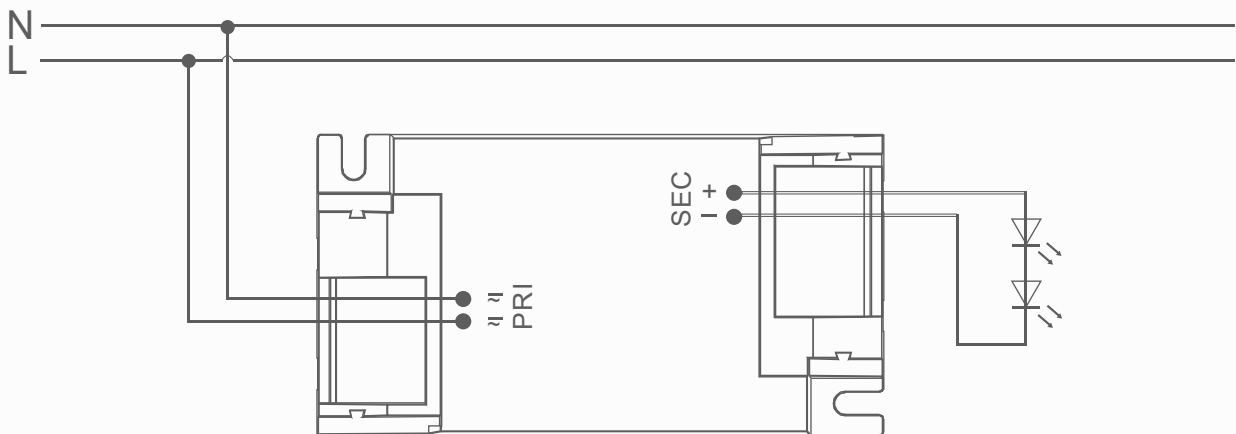
Compatible Small Strain reliefs:SR_CC20-28

Strain reliefs:



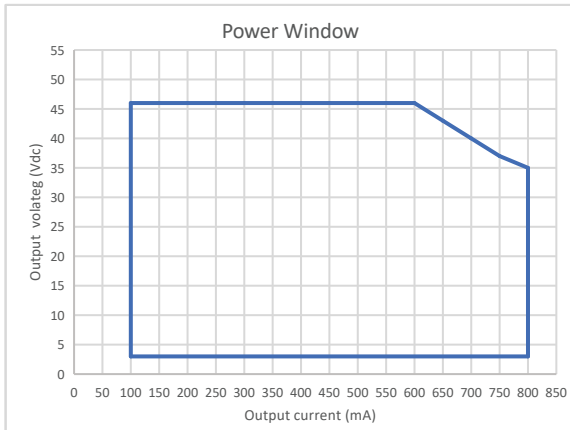
Wiring Diagram

220-240V
0/50/60 Hz

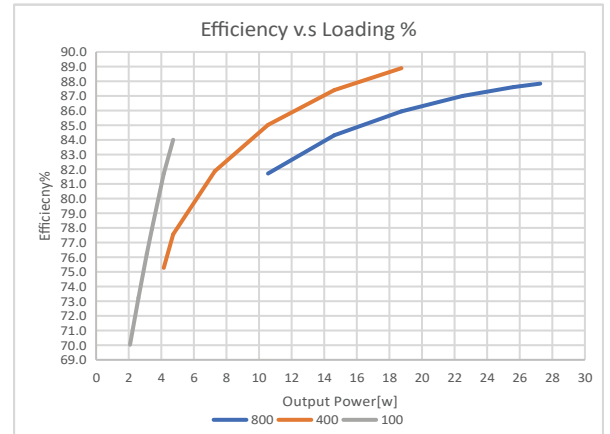


Electrical values

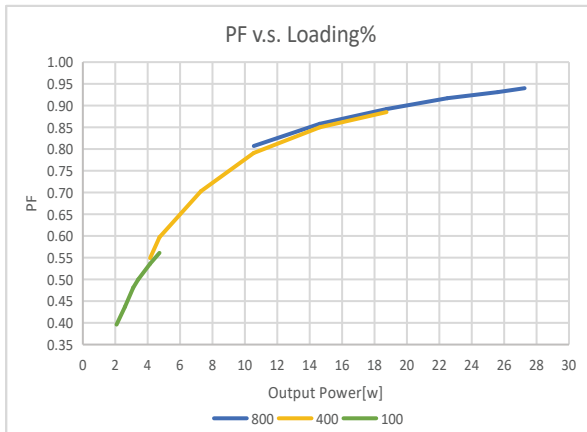
1. Operating power windows



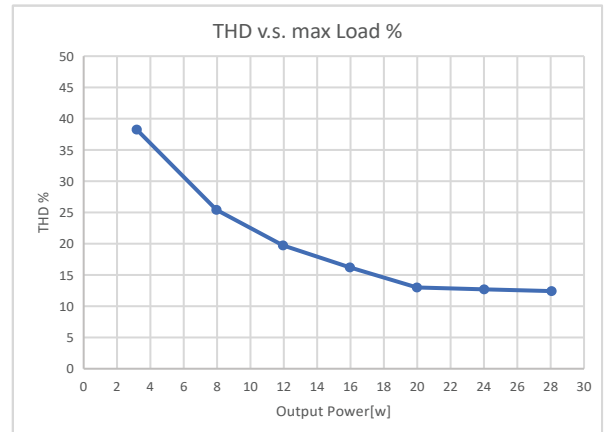
2. Efficiency v.s. Load



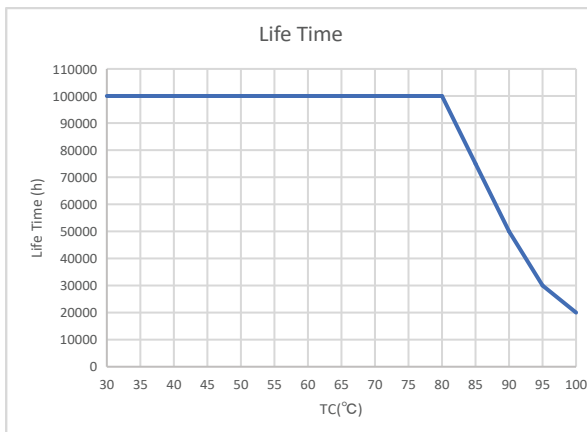
3. PF v.s. Load



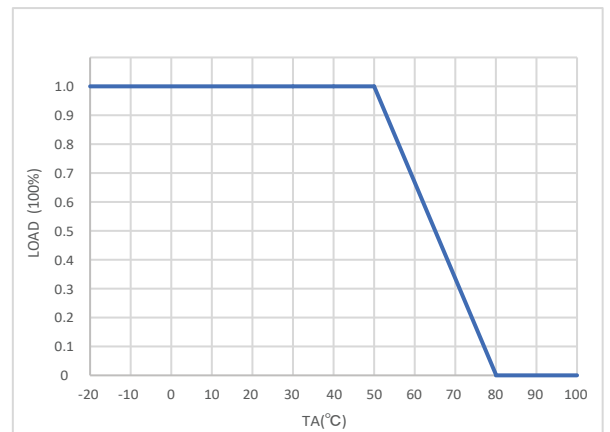
4. THD v.s. Load



5. Life time

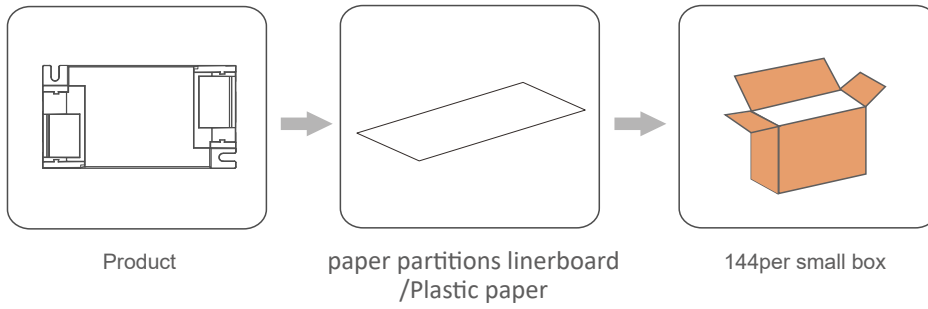


6. Derating



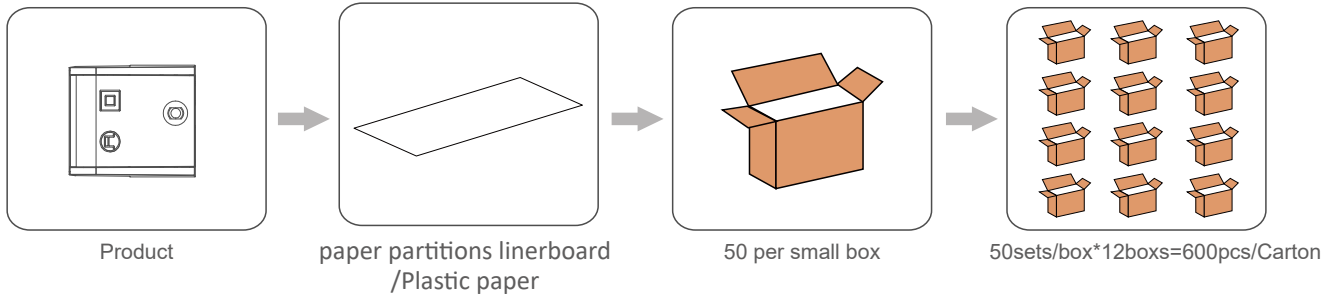
Packing information

Built in type



Model	Carton L*W*H(mm)	Pcs/- Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Cross weight/- Carton(kg)
S-075-C28W100-800	250*290*210	144	0.05	7.21	9.19

Small Strain reliefs



Model	Carton L*W*H(mm)	Pcs/- Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Cross weight/- Carton(kg)
S-075-C28W100-800	500*195*245	600	0.007	4.14	5.44

REVISION HISTORY

Date	Revision	Remark