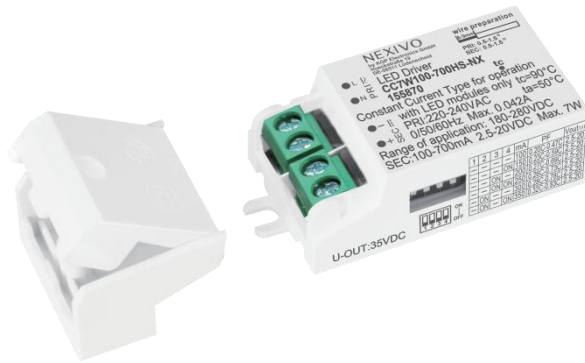




CC7W100-700HS-NX

Constant Current Driver

Model:CC7W100-700HS-NX



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC7W100-700HS-NX	155870	100mA	0.032A	2.80W	0.30-2.00W	0.20-0.47	70.5%	2.5-20V	35V Max.
		150mA	0.035A	3.90W	0.40-3.00W	0.23-0.59	75.5%		
		200mA	0.037A	5.10W	0.50-4.00W	0.27-0.69	78.0%		
		250mA	0.038A	6.20W	0.60-5.00W	0.26-0.73	79.5%		
		300mA	0.040A	7.40W	0.80-6.00W	0.28-0.78	80.5%		
		350mA	0.042A	8.60W	0.90-7.00W	0.32-0.83	81.0%		
		400mA	0.042A	8.50W	1.00-6.80W	0.34-0.84	80.0%	2.5-17V	
		450mA	0.042A	8.40W	1.10-6.80W	0.39-0.84	79.5%	2.5-15V	
		500mA	0.042A	8.20W	1.30-6.50W	0.42-0.84	78.5%	2.5-13V	
		550mA	0.042A	8.40W	1.40-6.60W	0.43-0.81	78.0%	2.5-12V	
		600mA	0.042A	8.50W	1.50-6.60W	0.47-0.82	77.5%	2.5-11V	
		650mA	0.042A	8.40W	1.60-6.50W	0.49-0.84	76.5%	2.5-10V	
		700mA	0.042A	9.10W	1.80-7.00W	0.50-0.85	76.5%		

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

1. Parameters

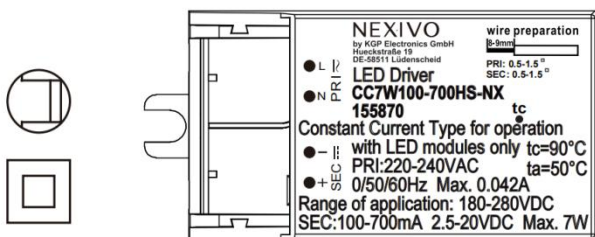
Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II (compatible Class I)
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC

	Input Current	≤0.042A
	Input Power	≤9.10W
	Power Factor	≥0.85 (230VAC , full load)
	THD	≤ 15% (230VAC , full load)
	No-load Power Consumption	≤0.5W (230VAC , full load)
	Inrush Current	≤6.9A/2.6us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	28pcs/type A;45pcs/type B;72pcs/type C 36pcs/type A;58pcs/type B;94pcs/type C 45pcs/type A;72pcs/type B;115pcs/type C 56pcs/type A;90pcs/type B;144pcs/type C
Output	Output Voltage Range	2.5-20VDC@100-350mA, 2.5-17VDC@400mA 2.5-15VDC@450mA, 2.5-13VDC@500mA 2.5-12VDC@550mA, 2.5-11VDC@600mA 2.5-10VDC@650-700mA
	No Load Voltage	35VDC Max.
	Output Current	100-700mA (Factory set current of 100mA)
	Max. Output Power	7W
	Efficiency	≥81% @350mA, 230VAC
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time (AC mode)	≤0.5S (230VAC, full load)
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@230Vinput
Environment	Ta/Operation Temperature	-20....+50℃
	Ts/Storage Temperature	-20....+90℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Tighten the screw
	Installation	Build-in & Independent
	PRI Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard)
	Dimension	51.6*29*18mm (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 61347-1:2015+A1:2017; IEC 61347-2-13:2014+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 61000-3-3:2013+A1:2019;
	Performance	EN62384
	Surge	L/N-Ground:4kV; L-N:2kV
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: 1.All Parameters,if not specified,are measured at 230VAC/50Hz and 25°C ambient temperature. 2.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

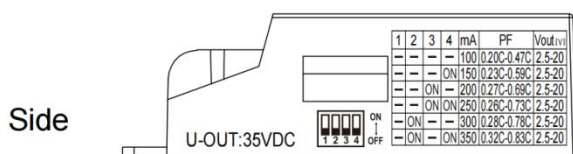
2. Label



Front



Back



Side

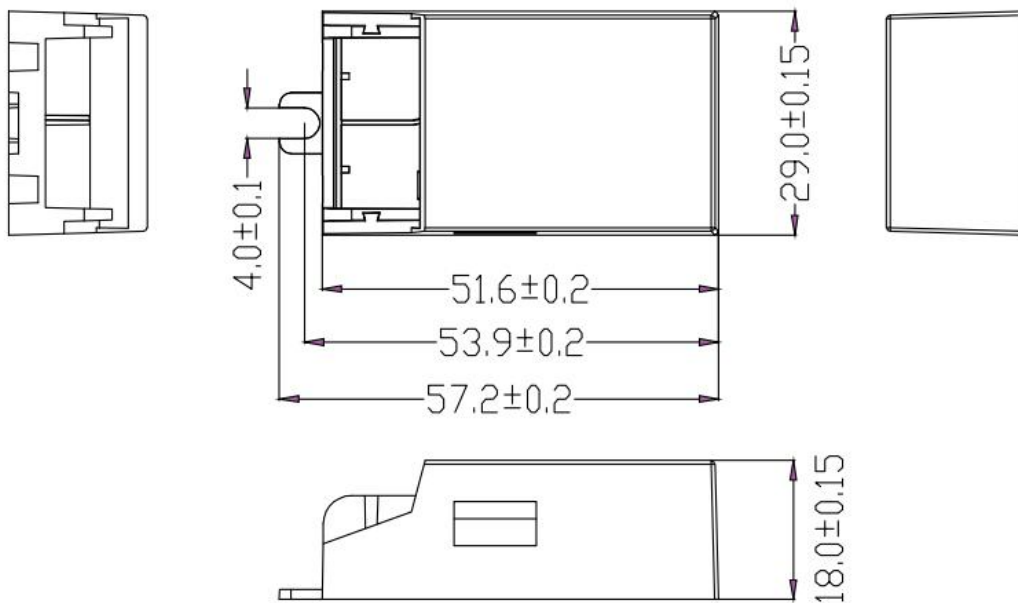
1	2	3	4	mA	PF	Vout(V)
ON	ON	ON	ON	400	0.34C-0.84C	2.5-17
ON	ON	ON	ON	450	0.39C-0.84C	2.5-15
ON	ON	ON	ON	500	0.42C-0.84C	2.5-13
ON	ON	ON	ON	550	0.43C-0.81C	2.5-12
ON	ON	ON	ON	600	0.47C-0.82C	2.5-11
ON	ON	ON	ON	650	0.49C-0.84C	2.5-10
ON	ON	ON	ON	700	0.50C-0.85C	2.5-10

3. 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	-	-

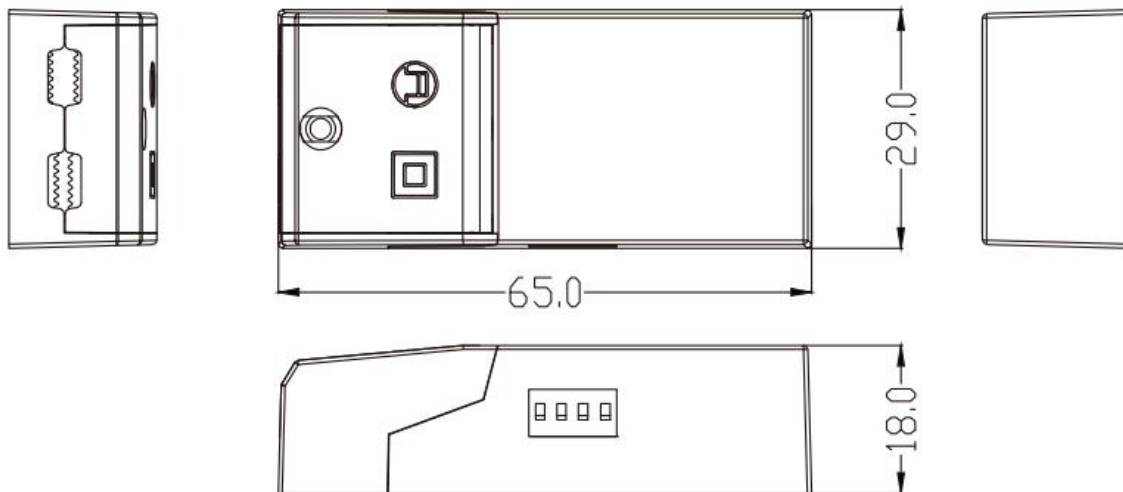
4. Dimension (Unit: mm)

Built in type:

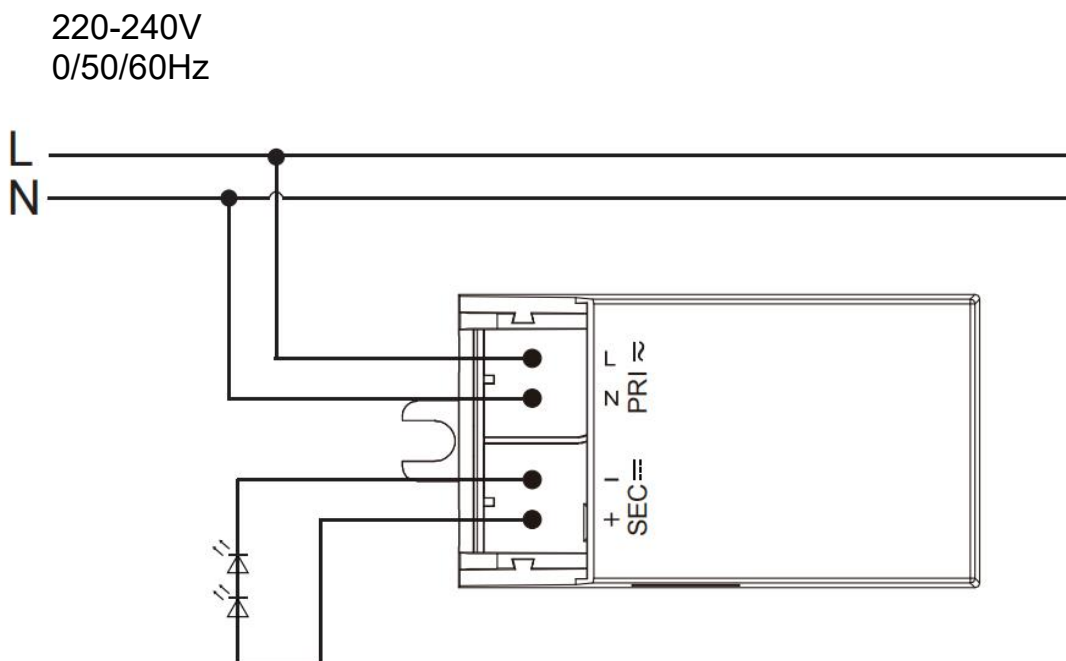


Compatible Strain reliefs:SR_CC20-28

Strain reliefs

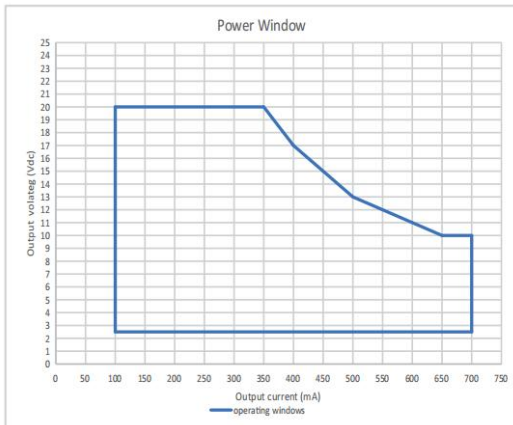


5. Wiring Diagram

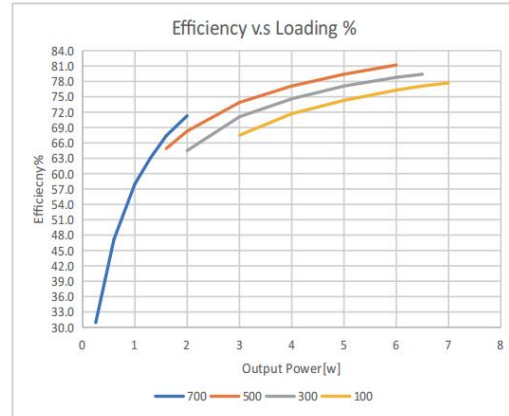


6. Electrical values

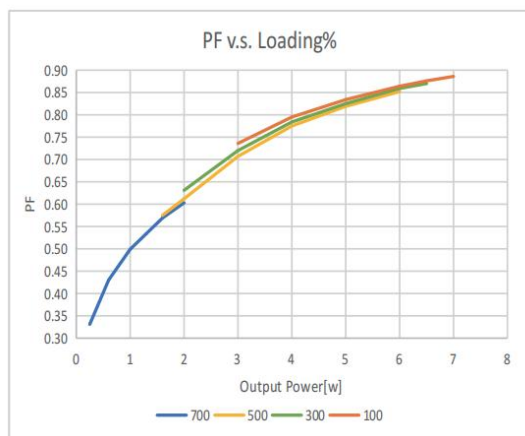
1. Operating power windows



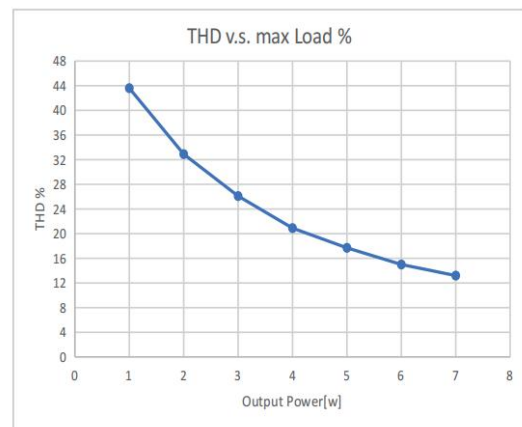
2. Efficiency v.s. Load



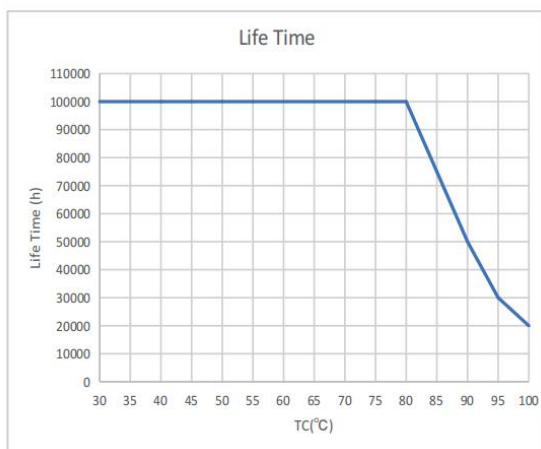
3. PF v.s. Load



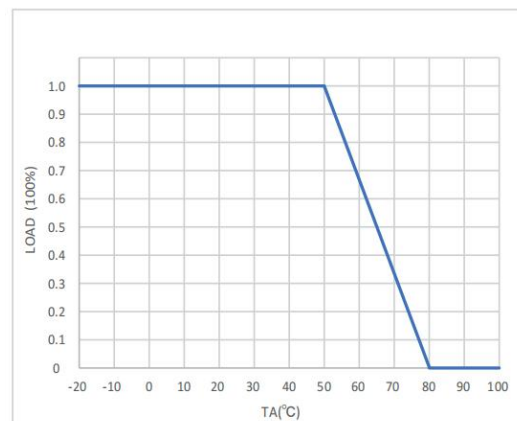
4. THD v.s. Load



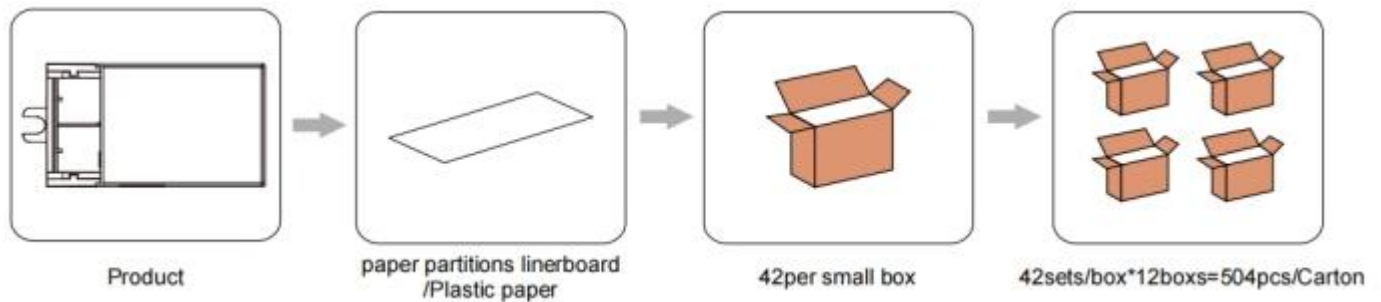
5. Life time



6. Derating



Built-in type



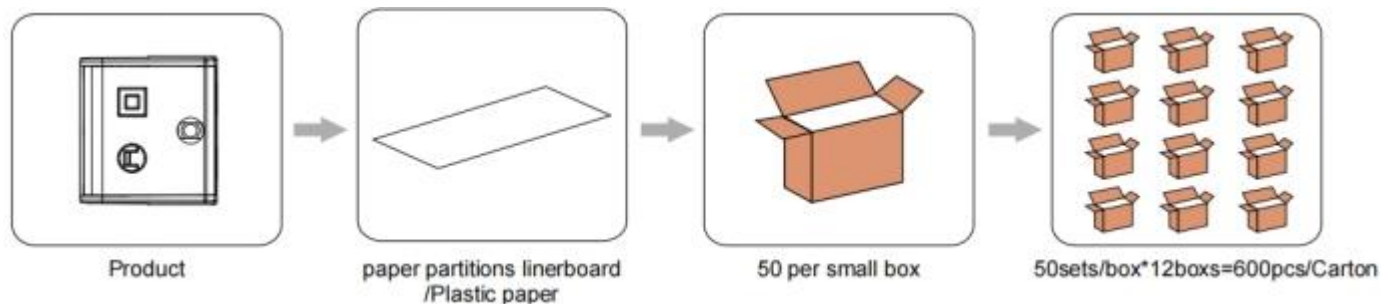
Inner box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
180*118*75	42	0.03	1.26	1.30

Outer box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
500*195*245	504	0.03	15.60	16.90

Strain reliefs



Inner box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
180*118*75	50	0.007	0.35	0.46

Outer box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
500*195*245	600	0.007	4.20	5.50

7. Ordering Data

Model No	Item code
CC7W100-700HS-NX	155870
SR_CC_7W100-700	148031

8. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release