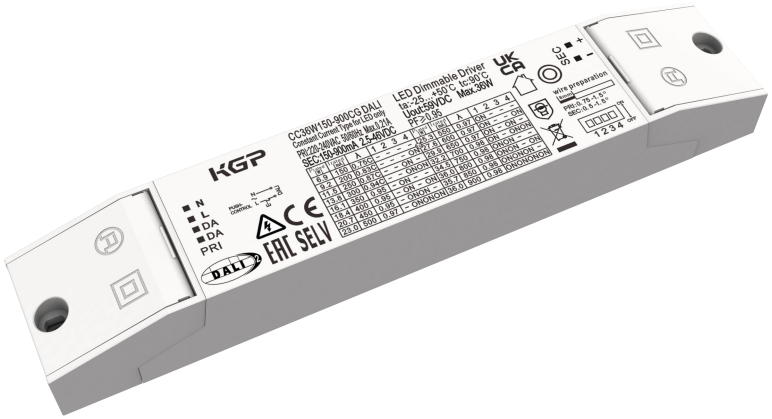
Super Slim DALI

CC15W100-700CG DALI
CC23W100-700CG DALI
CC36W150-900CG DALI



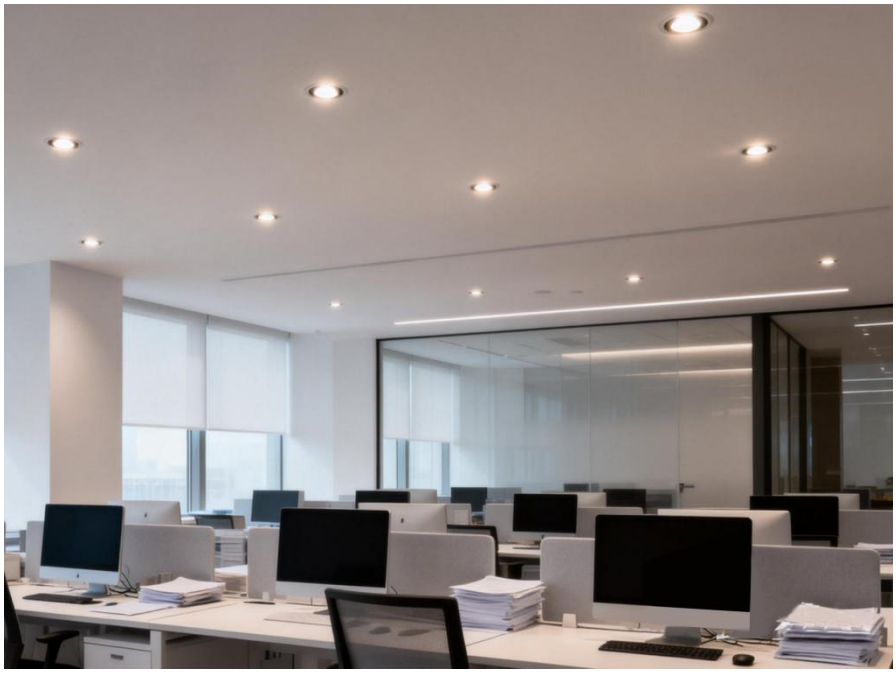
Constant current lighting tiny drivers

Product features

- Supply voltage 220-240 Vac/220-240VDC ± 10%
- Range input voltage 198-264 Vac
- Range DC input voltage 198-264 Vdc
- Frequency: 0/50/60 Hz
- Class II
- Power factor： ≥0,85 (at full load for 10W)
  ≥0,95 (at full load for 23/36W)
- Low ripple： ±10%
- Current Accuracy： ±5%
- Low THD： ≤15% (at full load)
- Dimming range: 1%-100%
- Type of protection: IP20
- SELV
- 50.000 Hours lifetime (At Tc Max.)
- 5 Years guarantee

Product benefit

- Tiny shape
- Flexible configuration via DALI-2
- Adjustment is done by via dialing code
- Wide voltage range



Application

- For Wall Lights, Spotlights, and Other Compact Luminaires

Product parameters

Model	Watt Range	Input Voltage	Mains current (mA)	Inrush current (A/μs)	DC Operation Range	Output Voltage	Output Current	Efficiency (typical)	Power factor (full load)	Rippel 100Hz(%)
CC15W100-700CG DALI	1-6.18W	220-240VAC	0.038	≤45A/16us	220-240VDC	10-50V	100mA	78.5%	0.70	±10%
	1.05-8.8W		0.045			7-50V	150mA	83.8%	0.86	
	1-11.6W		0.055			5-50V	200mA	85.4%	0.92	
	1-14.3W		0.065			4-50V	250mA	86.8%	0.96	
	1.2-17.1W		0.075			4-50V	300mA	87.6%	0.95	
	1.05-17.3W		0.077			3-42.9V	350mA	86.9%	0.97	
	1-17.4W		0.077			2.5-37.5V	400mA	86.6%	0.97	
	1.12-17.4W		0.078			2.5-33.3V	450mA	86.0%	0.97	
	1.25-17.6W		0.078			2.5-30V	500mA	85.9%	0.97	±5%
	1.37-17.8W		0.079			2.5-27.3V	550mA	85.6%	0.98	
	1.5-17.8W		0.079			2.5-25V	600mA	85.6%	0.98	
	1.6-17.9W		0.079			2.5-23V	650mA	85.2%	0.98	
	1.75-18.0W		0.080			2.5-21.4V	700mA	84.7%	0.98	
CC23W100-700CG DALI	1-5W		0.034	≤45A/16us		10-50V	100mA	80%	0.76	±10%
	1.05-7.5W		0.041			7-50V	150mA	85%	0.90	
	1-10W		0.051			5-50V	200mA	86%	0.95	
	1-12.5W		0.061			4-50V	250mA	87%	0.97	
	1.2-15W		0.074			4-50V	300mA	88%	0.93	
	1.05-17.5W		0.083			3-50V	350mA	88%	0.99	
	1-20W		0.097			2.5-50V	400mA	89%	0.98	±5%
	1.12-22.5W		0.108			2.5-50V	450mA	89%	0.99	
	1.25-23W		0.111			2.5-46V	500mA	88%	0.98	
	1.37-23.W		0.112			2.5-42V	550mA	88%	0.98	
	1.5-22.8W		0.112			2.5-38V	600mA	88%	0.98	
	1.6-22.7W		0.112			2.5-35V	650mA	88%	0.99	
	1.75-23.1W		0.114			2.5-33V	700mA	88%	0.98	
CC36W150-900CG DALI	0.37-7.5W		0.048	≤50A/200 us		6-50V	150mA	80%	0.7	±5%
	0.5-10W		0.059			6-50V	200mA	83%	0.79	
	0.62-12.5W		0.065			6-50V	250mA	85%	0.87	
	0.75-15W		0.075			6-50V	300mA	86%	0.94	
	0.87-17.5W		0.085			6-50V	350mA	87%	0.95	
	1.0-20W		0.097			2.5-50V	400mA	87%	0.95	
	1.1-22.5W		0.110			2.5-50V	450mA	88%	0.95	
	1.2-25W		0.120			2.5-50V	500mA	88%	0.97	
	1.3-27.5W		0.131			2.5-50V	550mA	88%	0.97	
	1.5-30W		0.141			2.5-50V	600mA	88%	0.97	
	1.6-32.5W		0.155			2.5-50V	650mA	88%	0.97	
	1.7-35W		0.167			2.5-50V	700mA	88%	0.98	
	1.8-36W		0.174			2.5-48V	750mA	88%	0.98	
	2.0-36W		0.181			2.5-45V	800mA	88%	0.98	
	2.1-35.7W		0.175			2.5-42V	850mA	88%	0.98	
	2.2-36W		0.181			2.5-40V	900mA	88%	0.98	

Operational temperatures and humidity

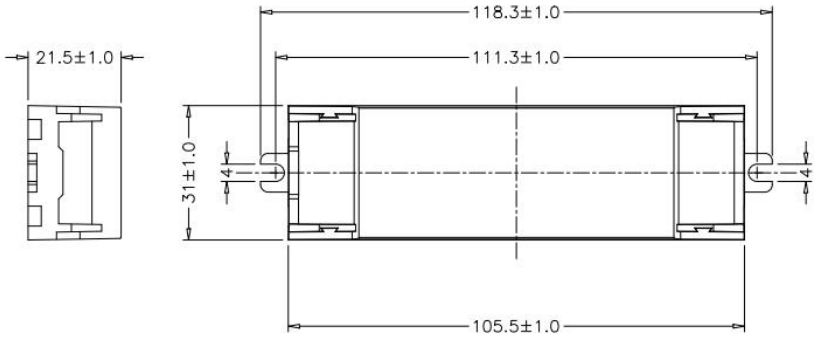
Ambient temperature range	-20 ... +50℃
Operation humidity range	10 … 90%RH
Storage temperature range	-25 … +85℃
Storage humidity range	5 … 95%
Maximum temperature at tc point	85℃ for 15W/23W 90℃ for 36W

Expected lifetime

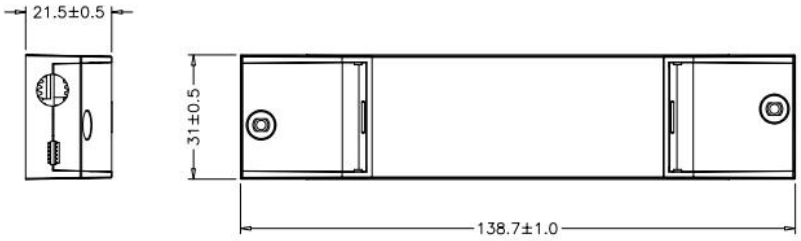
Expected lifetime at measured temp. at tc point	Tc=85℃ for 15W/23W Tc=90℃ for 36W	50000h

Dimensions: （Unit：mm）

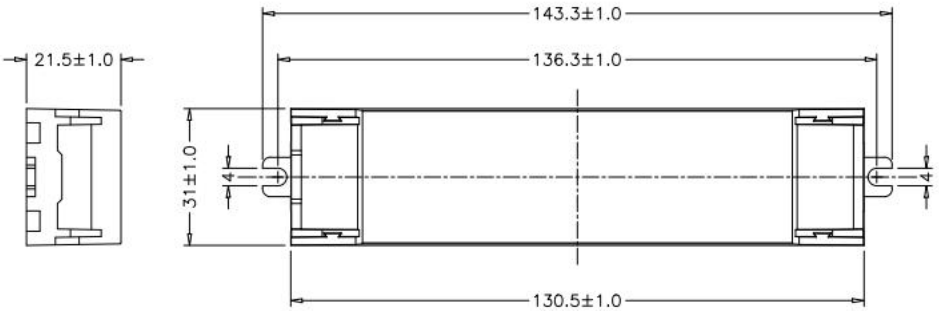
Built-in :118.3*31*21.5mm (L*W*H) 15W/23W



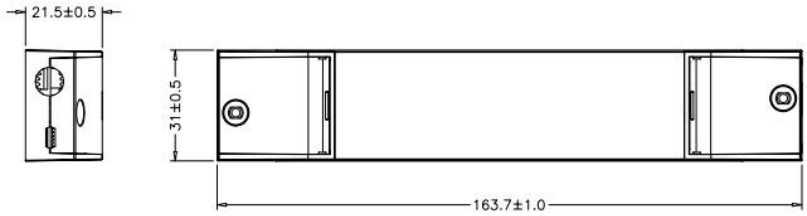
independent:138.7*31*21.5mm (L*W*H) 15W/23W



Built-in:143.3*31*21.5mm (L*W*H) 36W



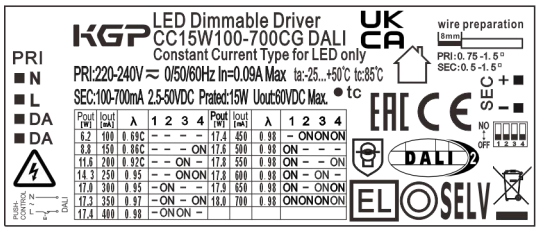
independent:163.7*31*21.5mm (L*W*H) 36W

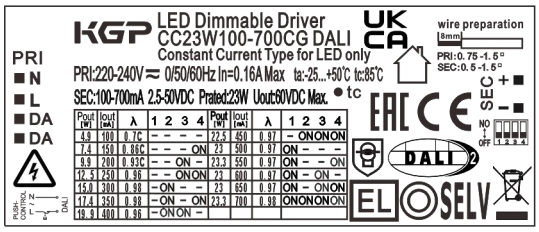


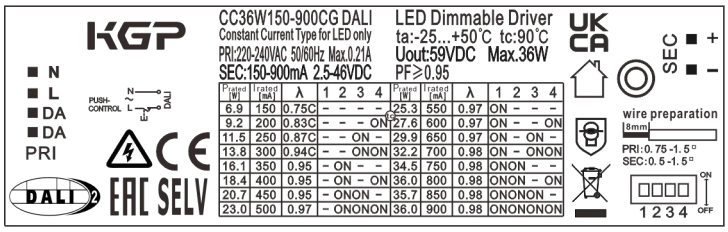
Wiring And Connections

Connectors	Direct Lead
Output wire cross-section	0.5-1.5 mm²
Output wire strip lenght	8-9 mm
Maximum length	/

Product Label







Dip Switch settings

CC15W100-700CG DALI

PIN 1	PIN 2	PIN 3	PIN 4	I rated (mA)	P rated (W)	U rated (V)	Factory settings (mA)
OFF	OFF	OFF	OFF	100mA	6.18	10-50V	
OFF	OFF	OFF	ON	150mA	8.8	7-50V	
OFF	OFF	ON	OFF	200mA	11.6	5-50V	
OFF	OFF	ON	ON	250mA	14.3	4-50V	
OFF	ON	OFF	OFF	300mA	17.1	4-50V	
OFF	ON	OFF	ON	350mA	17.3	3-42.9V	
OFF	ON	ON	OFF	400mA	17.4	2.5-37.5V	700mA
OFF	ON	ON	ON	450mA	17.4	2.5-33.3V	
ON	OFF	OFF	OFF	500mA	17.6	2.5-30V	
ON	OFF	OFF	ON	550mA	17.8	2.5-27.3V	
ON	OFF	ON	OFF	600mA	17.8	2.5-25V	
ON	OFF	ON	ON	650mA	17.9	2.5-23V	
ON	ON	ON	ON	700mA	18.0	2.5-21.4V	

CC23W100-700CG DALI

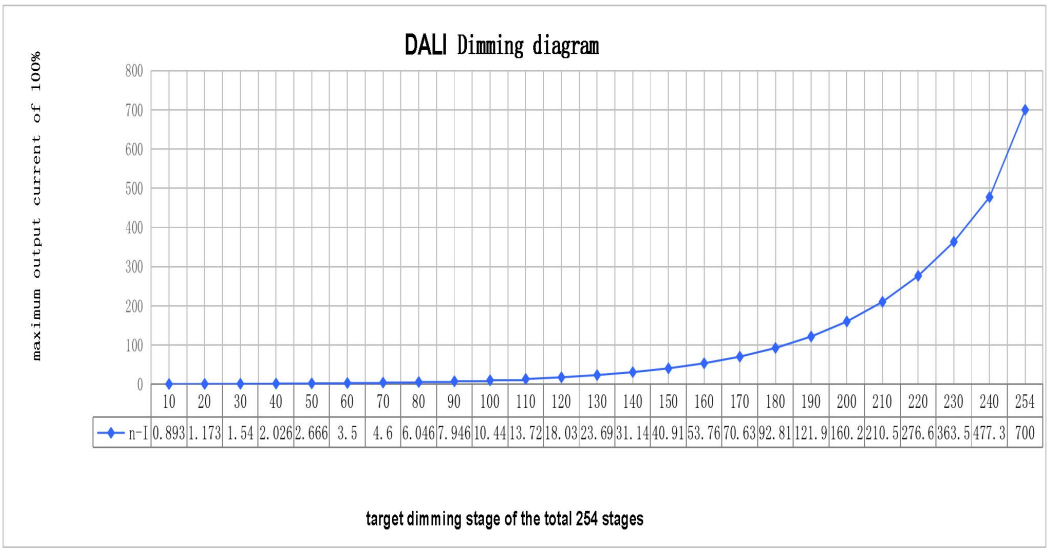
PIN 1	PIN 2	PIN 3	PIN 4	I rated (mA)	P rated (W)	U rated (V)	Factory settings (mA)
OFF	OFF	OFF	OFF	100mA	5	10-50V	
OFF	OFF	OFF	ON	150mA	7.5	7-50V	
OFF	OFF	ON	OFF	200mA	10	5-50V	
OFF	OFF	ON	ON	250mA	12.5	4-50V	
OFF	ON	OFF	OFF	300mA	15	4-50V	
OFF	ON	OFF	ON	350mA	17.5	3-50V	
OFF	ON	ON	OFF	400mA	20	2.5-50V	700mA
OFF	ON	ON	ON	450mA	22.5	2.5-50V	
ON	OFF	OFF	OFF	500mA	23	2.5-46V	
ON	OFF	OFF	ON	550mA	23	2.5-42V	
ON	OFF	ON	OFF	600mA	22.8	2.5-38V	
ON	OFF	ON	ON	650mA	22.7	2.5-35V	
ON	ON	ON	ON	700mA	23.1	2.5-33V	

CC36W150-900CG DALI

PIN 1	PIN 2	PIN 3	PIN 4	I rated (mA)	P rated (W)	U rated (V)	Factory settings (mA)
OFF	OFF	OFF	OFF	150mA	7.5	6-50V	900mA
OFF	OFF	OFF	ON	200mA	10		
OFF	OFF	ON	OFF	250mA	12.5		
OFF	OFF	ON	ON	300mA	15		
OFF	ON	OFF	OFF	350mA	17.5		
OFF	ON	OFF	ON	400mA	20	2.5-50V	
OFF	ON	ON	OFF	450mA	22.5		
OFF	ON	ON	ON	500mA	25		
ON	OFF	OFF	OFF	550mA	27.5		
ON	OFF	OFF	ON	600mA	30		
ON	OFF	ON	OFF	650mA	32.5		
ON	OFF	ON	ON	700mA	35		
ON	ON	OFF	OFF	750mA	36	2.5-48V	
ON	ON	OFF	ON	800mA	36	2.5-45V	
ON	ON	ON	OFF	850mA	35.7	2.5-42V	
ON	ON	ON	ON	900mA	36	2.5-40V	

Dimming Curve

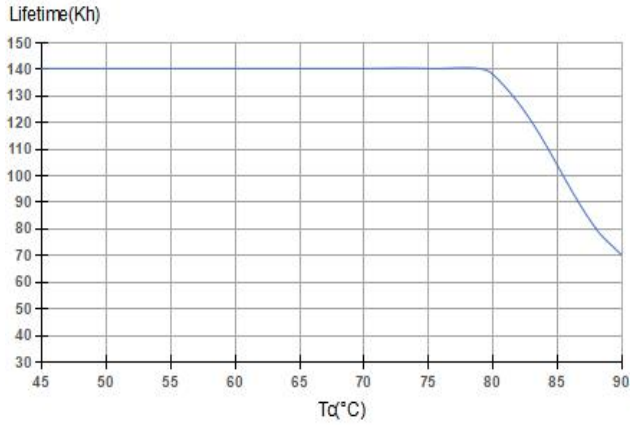
formula for DALI dimming.
X(n)=10^{[(n-1)/(253/3)]-1},
Here,n means the target dimming stage of the total 254 stages.
X(n) means the percent of the maximum output current



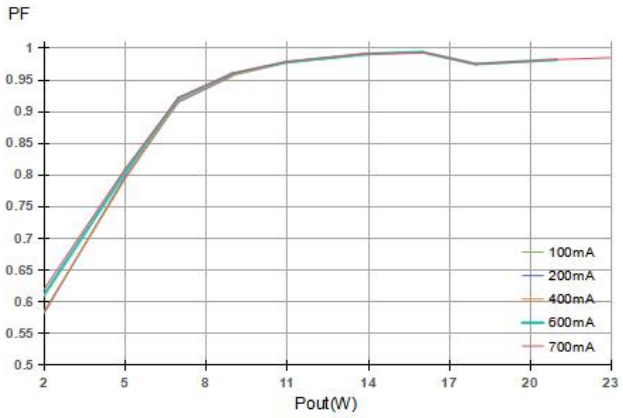
Graphs

CC15W100-700CG DALI CC23W100-700CG DALI

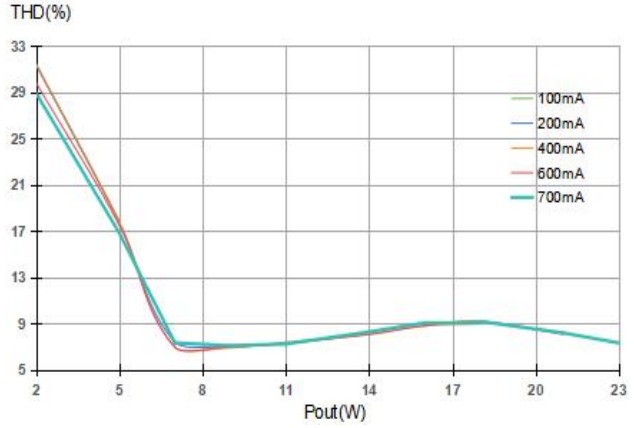
Lifetime vs. Case Temperature



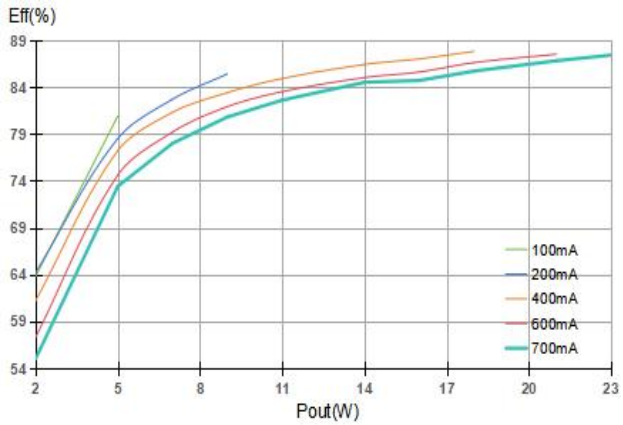
PF vs.Load



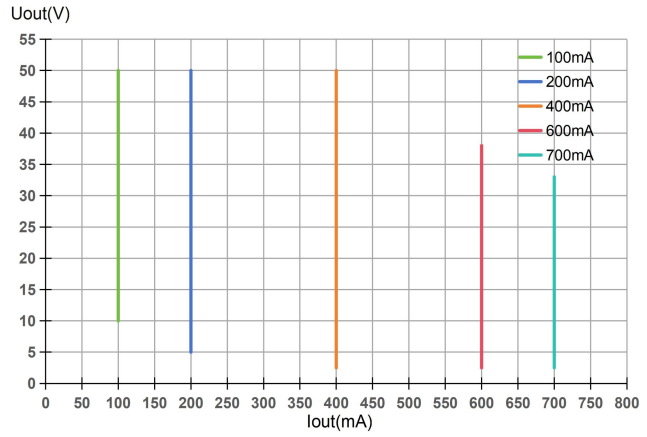
THD vs.Load



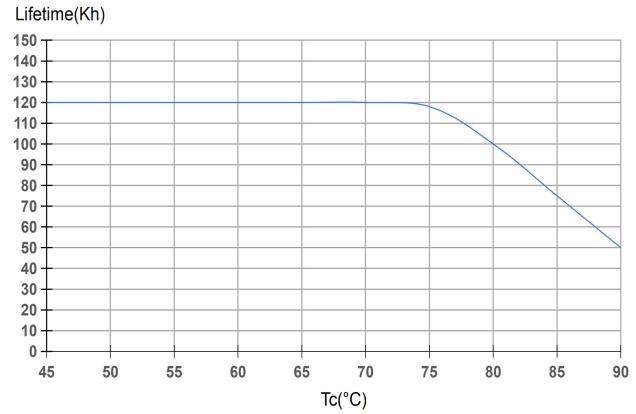
Efficiency vs. Load



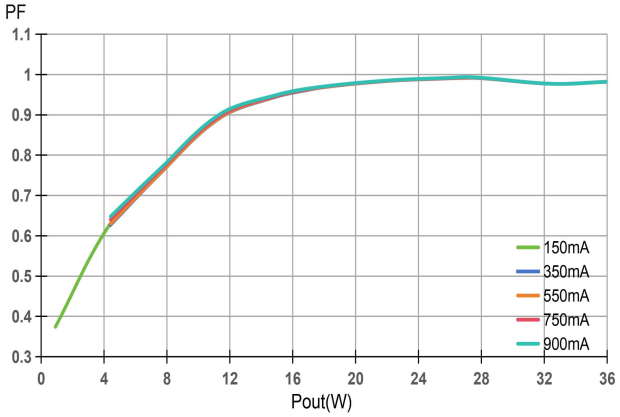
Uout vs.Iout



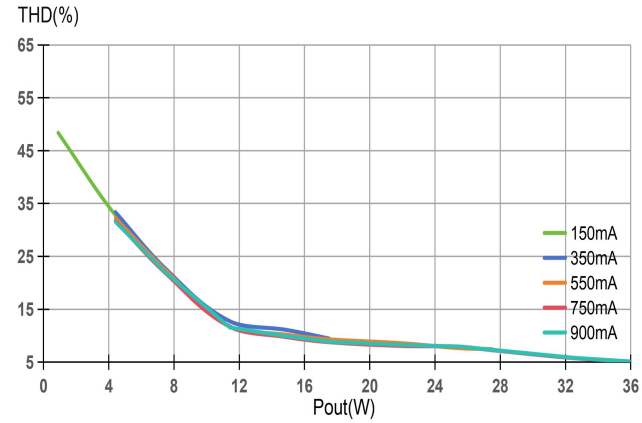
Lifetime vs. Case Temperature



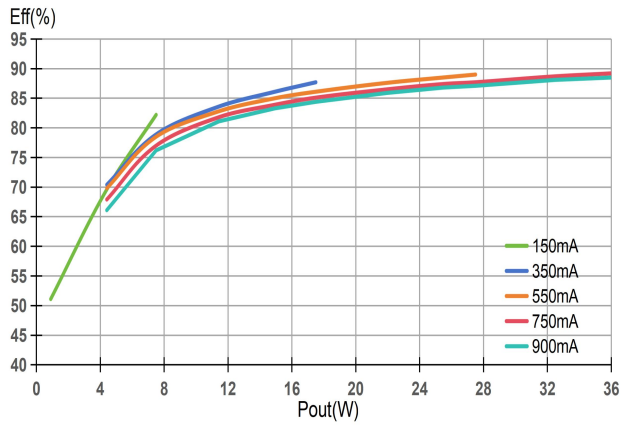
PF vs.Load



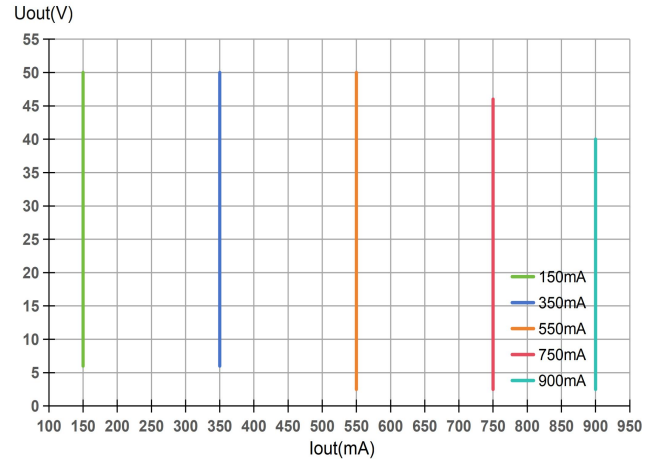
THD vs.Load



Efficiency vs. Load



Uout vs.Iout



Certificates and standards

EN 61347-1:2015/A1:2021
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020
AS61347.2.13:2018
AS/NZS61347.1:2016 Inc A1 Amd 1:2018
EN IEC 55015:2019/A11:2020
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A2:2021
EN IEC 61547:2023
BS EN 61347-1:2015/A1:2021
BS EN 61347-2-13:2014/A1:2017
BS EN 62493:2015/A1:2022
BS EN IEC 62384:2020
BS EN IEC 55015:2019
BS EN IEC 55015:2019+A11:2020
BS EN IEC 61000-3-2:2019/A1:2021
BS EN 61000-3-3:2013+A2:2021
BS EN IEC 61547:2023
EN 300 330 V2.1.1:2017
EN 301 489-1 V2.2.3:2019
EN 301 489-3 V2.3.2:2023
EN 62479:2010
EN 50663:2017

Safety Features

- Transient mains peaks protection:
  Values are in compliance with EN62384
  (Interference Immunity)
  Surges between L-N:up to 2kV
- Short-Circuit Protection: The control gear is protected against
- Permanent short-circuit with automatic restart function.
- Overload Protection: The control gear only works in range of rated output power and voltage
- Please check before switch-on mains power supply that the selected LED load is
  suitable (see Electrical Characteristics on data sheet).
- Overheating: The control gear has overheating protection.
- No Load Operation: The control gear is protected against no load operation(open load)
- If any of the above mentioned safety functions will be triggered disconnect the control gear from the power supply then
- Find and eliminate the cause of the problem.

- SELV
- SVM≤0,4
- PstLM≤1
- Open Circuit Voltaje (Umax):60V
- Noise:≤ 22dB @Background noise ≤15dB，Interval≥20cm
- Insulation voltage: 3750V 5mA 60S between P-S，3000V 5mA 60S between DADA-Output，1500V 5mA 60S between DADA-Input
- Insulation resistance : >100M ohm @ 500VDC
- Leakage current: I/P to O/P <0.7mA
- Started Delay Time: ≤1S（230VAC,full load）

Wiring Diagram:15W/23W/36W

Fig. A: Push Dimming

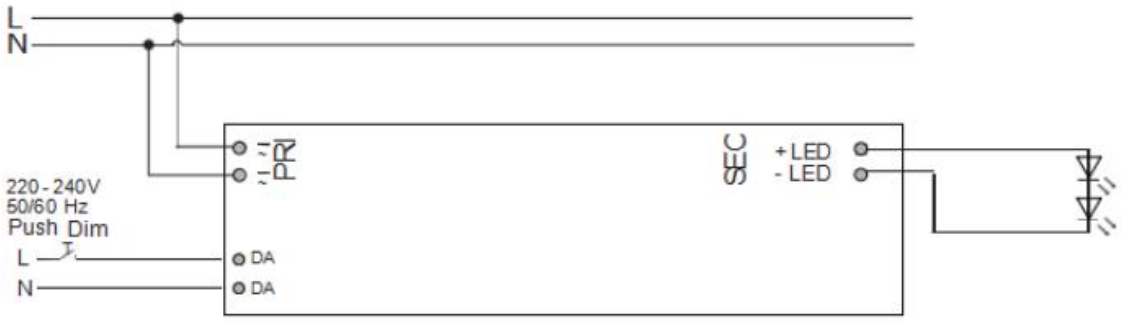
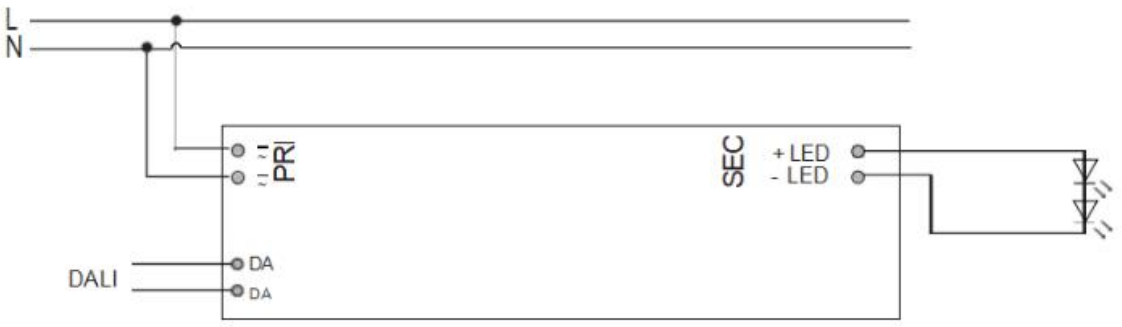


Fig. B: DALI Dimming



The factory default brightness is at 100%.
Up to 64 drivers can perform the PUSH dimming at the same time when utilizing one common push button
The maximum length of the cable from the push button to the last driver is 200 meters

Functions

- OEM Identification
- The OEM (Original Equipment Manufacturer) can set his own identification number.
- DALI Part 251: Memory bank 1 extension.

- OEM GTIN
- The Original Equipment Manufacturer (OEM) can set his own Global Trade Item Number (GTIN).
- DALI Part 251: Memory bank 1 extension.

- Luminaire data
- This function provides the asset management with accurate data about the luminaire.
- DALI Part 251: Memory bank 1 extension.
- DALI Part 253: Luminaire maintenance data.

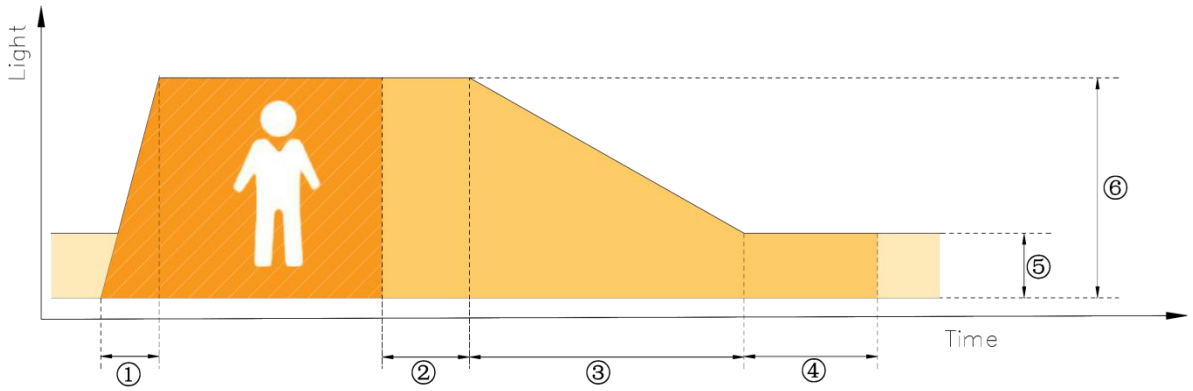
- LED current
- The LED output current must be adapted to the connected LED module.
- The value is limited by the current range of the respective device.
- The output current of the LED driver can be adjusted in a certain range.
- Adjustment is done by via dialing code.

Push functions:

Action	Action duration	Function
Short push	<0.6s	Turn on/off
Short push five Times	<3s	Quit Corridor mode
Long push	0.6-3s	Dimming up or down
Long push	10s	Sync all LEDs to be 50% brightness，and the dimming rate is changed to 3S
Long push	20s	Dimming rate is changed to 6S
Long push	>2mins	Enter Corridor mode - LED keep 100% brightness for 2mins.

- Switch DIM
- Integrated Switch DIM function allows a direct connection of a push button for dimming and switching.
- Brief push (< 0.6 s) switches LED driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the push button is held, LED modules are dimmed. After repush the LED modules are dimmed in the opposite direction.
- 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.
- Use of push button with indicator lamp is not permitted.

- Corridor FUNCTION
  With the Corridor FUNCTION and a commercially available motion detector, it is easy to adapt the lighting in one area to its use.
- That is, when the area is entered by a person, the lighting dims instantly to the desired brightness and is available in full strength.
- After the area is left by the person, the brightness dims slowly to a smaller value or switches off completely.
- The individual parameters of the desired profile, such as brightness values or delay times, can be adjusted flexibly and individually.



- Fade-in time(1s): the time that starts as soon as the presence of a person is detected. During the fade-in time the luminous intensity is faded up to the presence value.
- Run-on time(120s): the time that starts as soon as the presence of a person is no longer detected. If the presence of a person is detected again during the run-on time the run-on time is restarted from zero. If no presence is detected during the run-on time the fade time is started as soon as the run-on time expires.
- Fade time(32s): the time during which the luminous intensity is faded from the presence value to the absence value.
- Switch-off delay （Never Off): the time during which the absence value is held before the lighting is switched off. Depending on the profile selected the switch-off delay may have different values or may not be defined.
- Absence value(default: 10 %): the luminous intensity when there is no person present.
- Presence value (default: 100 %): the luminous intensity when persons are present.

- Constant Light Output (CLO)
  With this function the light output of the LED module can be kept equal over the lifetime.
- The light output of an LED module reduces over the course of its lifetime.
- The Constant Light Output (CLO) function compensates for this natural decline by constantly increasing the output current of the LED driver throughout its lifetime.
- CLO shall be achieved by limitation of the LED current at the commissioning of the LED driver and providing a linear interpolation of the current over the time, depending on the data points given by the user.
- The user has to insert up to eight pairs of data (time, level).
- The output curve is the result of connecting the user data points linear.
- Detailed description for CLO see product manual.
- The minimal CLO starting point is limited by the smallest output current of the LED driver.

- Dimming curve
- DALI:The desired dimming behaviour is selected via two different dimming curves (logarithmic or linear).
- The default setting of the dimming behaviour is logarithmic.

Number of drivers per cut-out type

Type	B10A	B13A	B16A	B20A	B25A	C10A	C13A	C16A	C20A	C25A	D10A	D13A	D16A	D20A	D25A
CC15W100-700CG DALI CC23W100-700CG DALI CC36W150-900CG DALI	13	17	21	27	33	21	28	34	43	53	34	44	55	68	85

Packaging unit

Built-in

Model	Packaging Carton	Packaging Pallet	CartonL*W*H (mm)	Net weight/ Pcs (g)	Net weight/ Carton (kg)	Gross weight/Carton (kg)
CC15W100-700CG DALI	140	64	390*260*175	60	8.4	8.88
CC23W100-700CG DALI	140	64	390*260*175	80.5	11.27	11.75
CC36W150-900CG DALI	100	48	345*310*158	113.5	11.35	11.83

independent

Model	Packaging Carton	Packaging Pallet	CartonL*W*H (mm)	Net weight/ Pcs (g)	Net weight/ Carton (kg)	Gross weight/Carton (kg)
CC15W100-700CG DALI	165	42	457*250*220	71.5	11.80	12.74
CC23W100-700CG DALI	165	42	457*250*220	92	15.18	16.12
CC36W150-900CG DALI	90	48	345*310*158	125	11.25	11.93

Revision history

DATE	REV	REMARK
2026.06.05	V1.0	Initial release
2026.08.19	V1.1	Revise Packaging unit