





FEATURES

- · Independent dimmable driver
- Up to 89 % efficiency
- Power input on stand-by < 0.5 W
- Dimming range 5 to 100 %
- · Nominal life-time up to 50,000 h
- · Suitable for LED lighting
- · Loop in and loop out

HOUSING PROPERTIES

- · Housing: polycarbonate, white
- Type of protection IP20

INTERFACES

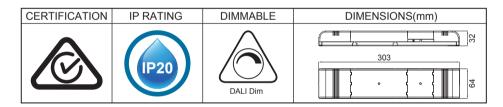
- · DALI2.0 certified
- Touch dim
- 1.2m flex & plug

FUNCTIONS

• Protective features (over temperature, short-circuit, overload, no-load, reduced surge amplification)

Warranty

· Five years for fitting



Specific technical data									
Order Code	Part No.	Model No.	Output current4	Min. forward voltage	Max. forward voltage	Max. output power	Typ. Power consumption (at 230V, 50Hz, full load)24	Typ. Current consumption (at 230V, 50Hz, full load)②	
		ECD60WCC	1400 mA	30 V	42 V	59 W	67 W	300 mA	
			1350 mA	30 V	42 V	57 W	64 W	290 mA	
					1300 mA	30 V	42 V	55 W	62 W
2224	2224A		1250 mA	30 V	42 V	53 W	59 W	267 mA 256 mA	
2224	<i>LLL</i> -17 (1050-1400 DL3	1200 mA	30 V	42 V	50 W	57 W		
			1150 mA	30 V	42 V	48 W	54 W	246 mA	
			1100 mA	30 V	42 V	46 W	52 W	235 mA	
			1050 mA	30 V	42 V	44 W	50 W	224 mA	





Multi-wattage selectable

echnical data	
ated supply voltage①	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 275 V
Mains frequency	0 / 50 / 60 / 100 Hz
Overvoltage protection	350 Vac, 2 h
Typ. input current (at 230 V, 50 Hz, full load) 23	265 mA
Typ. input current (at 230 V, 0 Hz, 15% dimming level) ③	50 mA
Leakage current (at 230 V, 50 Hz, full load) 23	≤ 0.5 mA
Max. input power	67 W
Typ. efficiency (at 230 V, 50 Hz, full load) ③	89 %
\(\text{(at 230 V, 50 Hz, full load)}\)	> 0.9
Typ. power input on stand-by ④	< 0.5 W
Typ. input current in no-load operation	10 mA
Typ. input power in no-load operation	< 0.8 W
THD (at 230 V, 50 Hz, full load) ②	< 15 %
Time to light (at 230 V, 50 Hz, full load)	< 0.8 s
Time to light (DC mode)	< 0.8 s
Switchover time (AC/DC) ⁵	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	<100 ms
Output current tolerance 26	± 6 %
Max. output current peak (non-repetitive)	≤ 1.1 output current
Output LF current ripple (< 120 Hz)	± 3 %
Max. output voltage (no-load voltage)	60 V
Dimming range	5 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L /N- PE)	2 kV
Surge voltage at output side (against PE)	≤ 500 V
Dimensions L x W x H	303 x 64 x 32 mm
EOFI	15 %
Max Tc point	85 °C
Ambient temperature ta	-20 +40 °C
Admissible temperature range for storage	-40 +50 °C
Admissible humidity range for storage	5 85 %

Note:

①Hot plug is not allowed. ②Valid at 100 % dimming level. ③Depending on the selected LED lamp the voltage of the LED lamp is 36V.

④ Depending on the DALI traffic at the interface. ⑤When AC switch to DC in standby status, brightness to 15 %. ⑥Output current is mean value. ⑦Input voltage 230V.

Wiring and connection	
Input wire cross-section	1.5 - 2.5 mm2
Output wire cross-section	0.5 - 0.75 mm2
Maximum allowable current to the terminal (Input)	16 A



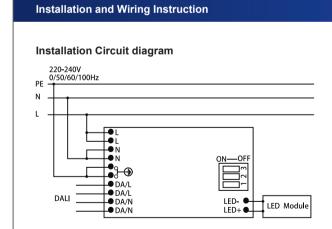


DIP setting						
Output current setting	PIN1	PIN2	PIN3	Output current	Voltage range	Max. output power
	ON	ON	ON	1400 mA	30 V-42 V	59 W
	OFF	ON	ON	1350 mA	30 V-42 V	57 W
ON	ON	OFF	ON	1300 mA	30 V-42 V	55 W
1 1	ON	ON	OFF	1250 mA	30 V-42 V	53 W
	OFF	OFF	ON	1200 mA	30 V-42 V	50 W
	OFF	ON	OFF	1150 mA	30 V-42 V	48 W
1 2 3	ON	OFF	OFF	1100 mA	30 V-42 V	46 W
	OFF	OFF	OFF	1050 mA	30 V-42 V	44 W

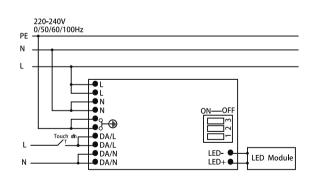
Touch dim function description							
Function	Operation						
Switch on/off	Short press(>0.04S ,<0.5S)						
Discussion a loved	Medium press (>0.5S, <10S) dim up or down, dimmer direction is upward (if last dimming direction is						
Dimming level	downward) or downward (if last dimming direction is upward).						
Cynobronization	Long press > 10S, all the drivers synchronously switch into 37 % light level, then release the switch						
Synchronization	and medium press again to start dimming, the dimming direction would be downward.						
Memorization	The driver stores all the set values when the lamps are disconnected from the power supply.						

Standards

AS/NZS CISPR 15 , AS/NZS 61000-3-2, AS/NZS 61000-3-3, AS/NZS 61347-1, AS/NZS 61347-2-13, AS/NZS 62384, AS/NZS 61547, Acc. to AS/NZS 50172, Acc. to AS/NZS 60598-2-22.



The Max length between the DALI device and the drivers is 300m. The Max number of connections to driver is 64pcs $\,$



For parallel or series connection:

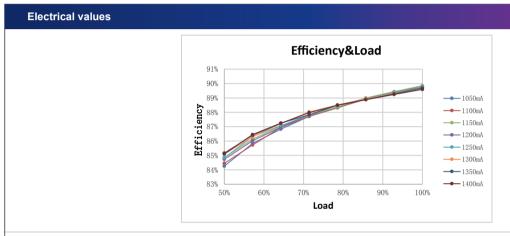
The Max length between Touch Dim and the driver is 25m. The Max number of connections to driver is 25pcs.

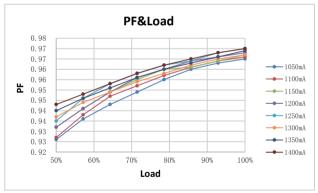
Electric insulation	ric insulation DALI		PE	Mains
DALI	X	Supplementary	Basic	Basic
Output	Supplementary	X	Basic	Reinforced
PE	Basic	Basic	X	Basic
Mains	Basic	Reinforced	Basic	X

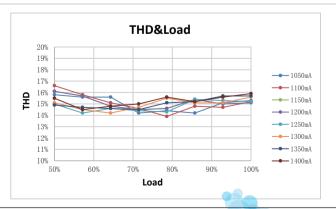




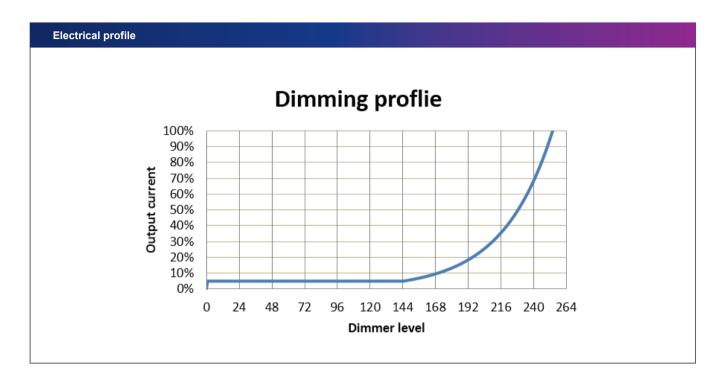
Inrush current								
Model No.	I peak⑦	Duration Twidth 7	Number on single-pole power circuit breakers (CB)					Inrush current profile
Wodel No.			CB-type	10A	13A	16A	20A	iniden edirent preme
ECD60WCC	40 O A	000	В	21 pcs	27 pcs	33 pcs	41 pcs	†
1050-1400 DL3	16.2 A	16.2 A 80.8 us		34 pcs	44 pcs	56 pcs	68 pcs	€ \
Installation Ø				1.5 mm2	1.5 mm2	1.5 mm2	2.5 mm2	10% I peak











Expected Life-time						
Model No.	Та	40 ℃	45 ℃			
ECD60WCC1050-1400 DL3	Tc	75 ℃®	80 °C (8)			
ECD6000CC 1030-1400 DE3	Life-time	50000 h	35000 h			
Note:®Test result at max. Output voltage.						

The LED Drivers are designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %.