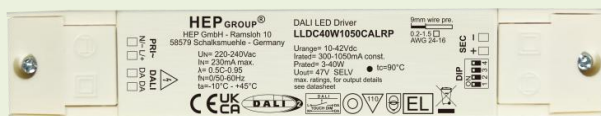


Built-in type



Independent type

Approval Marks



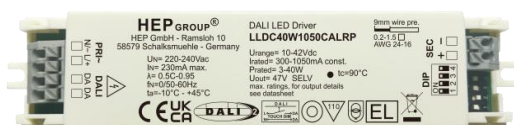
		Item	Value	Remark
Input		Nominal voltage	220–240V	
		Nominal frequency	0/50–60Hz	
		AC voltage range	198–264V	
		DC voltage range	180-300V	Fixed output light at 15%
		Nominal current	230mA	Full load @ 230VAC
		Total Harmonic Distortion (THD)	< 15%	Full load @ 230VAC
		Power factor	0.5C-0.95C	Min-load @ 240Vac and Full-load @ 220 Vac
		Displacement factor	0.5C-0.95C	Min-load @ 240Vac and Full-load @ 220 Vac
		Efficiency	85% (Typ.)	Full load @ 230VAC
		No-load power	NA	
		Stand-by power	< 0.5W	@ 230Vac when DALI turn off
		Networked standby power	< 0.5W	@ 230Vac when DALI turn off
		Protection class	II	Suitable for class II luminaires
		Inrush current	12 A / 45 µs	Full load @ 230VAC
Output			Type B , 10A MCB	17
			Type B , 16A MCB	28
			Type C , 10A MCB	22
			Type C , 16A MCB	35
		Touch current	< 0.7mA peak	IEC/EN 61347-1
		Nominal voltage range		
Output		300/350/400/450/500/550/600mA	10-42Vdc	
		650/700/750/800/850/900/950mA	10-42Vdc	
		1000mA	10-40Vdc	
		1050mA	10-38Vdc	
		Maximum voltage	47Vdc	

	Item	Value	Remark
Output	Nominal current range		
	300mA	300mA	
	350mA	350mA	
	400mA	400mA	
	450mA	450mA	
	500mA	500mA	
	550mA	550mA	
	600mA	600mA	
	650mA	650mA	
	700mA	700mA	
	750mA	750mA	
	800mA	800mA	
	850mA	850mA	
	900mA	900mA	
	950mA	950mA	
	1000mA	1000mA	
	1050mA	1050mA	
	Current accuracy	±5%	Full load @ 230VAC
	Typical output LF current ripple	±5%	Low Frequency< 120Hz , Full load @230VAC
	SVM	≤ 0.4	Full load @ 230VAC
	P _{stLM}	≤ 1	Full load @ 230VAC
	Starting time	< 0.5 S	Full load @ 230VAC by DALI cotrol
Dimming	Nominal power range		
	300mA	3.0-12.6W	
	350mA	3.5-14.7W	
	400mA	4.0-16.8W	
	450mA	4.5-18.9W	
	500mA	5.0-21.0W	
	550mA	5.5-23.1W	
	600mA	6.0-25.2W	
	650mA	6.5-27.3W	
	700mA	7.0-29.4W	
	750mA	7.5-31.5W	
	800mA	8.0-33.6W	
	850mA	8.5-35.7W	
	900mA	9.0-37.8W	
	950mA	9.5-39.9W	
	1000mA	10.0-40.0W	
	1050mA	10.5-39.9W	
	Maximum power	40W	
	Dimming control	DALI/Touch Dim	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range		
	DALI Dimming	1-100%	
	Push Dimming	1-100%	
	Lowest dimming current	0.5-2%	
	Galvanic isolation	Basic insulated to PRI and double insulated to SEC	

Environment	Ambient temperature range t _a	-10°C - +45°C	
	Maximum case temperature t _c	90°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-40°C - +85°C	
	Relative humidity	10%-95%	
	Surge transient protection	1kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, tc 90 °C @ ta 45 °C > 100000 h, tc 80 °C @ ta 35 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	17 / 11 kg	Built-in / Independent
	Net weight/box	15.8 / 9.9 kg	Built-in / Independent
	Pcs/box	112 / 70 PCS	Built-in / Independent
	Dimension/box	385(L)*310(W)*260(H)mm	Built-in
		490(L)*270(W)*225(H)mm	Independent
Protections			
Short-circuit Protection		Auto recovery	
Open-circuit Protection		Auto recovery	
Over Temperature Protection		100°C±10°C	Recover to normal operation at 90°C±5°C
Over load Protection		Auto recovery	
Conformity & Standards			
Safety standard:		EN 61347-1, EN 61347-2-13,EN 62493	
Performance:		EN 62384	
EMC standard:		EN55015,EN61547,EN61000-3-2,EN61000-3-3	
DALI protocol standard:		EN 62386-101, EN 62386-102 , EN 62386-207	
Cable information			
PRI Connection			
Cable cross-section		0.2-1.5□/AWG 24-16	
Stripping		9mm	
Sec Connection			
Cable cross-section		0.2-1.5□/AWG 24-16	
Stripping		9mm	
Terminal information			
PRI-Push button			
SEC-Push button			
DALI-Push button			

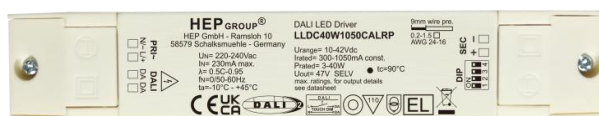
*If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Subject to change without notice, HEP guarantees all products perform functionally well



Built-in type

Order number: LLDC40W1050NLRP



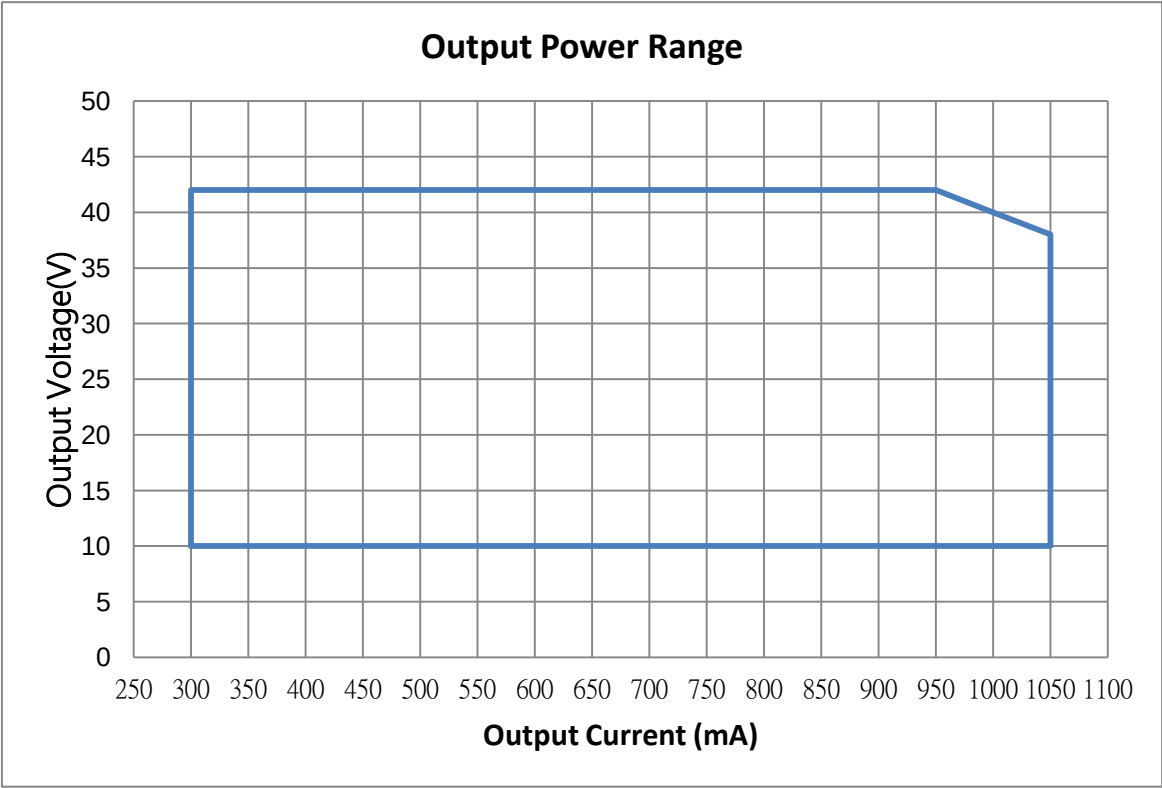
Independent type

Order number: LLDC40W1050NLRPZ

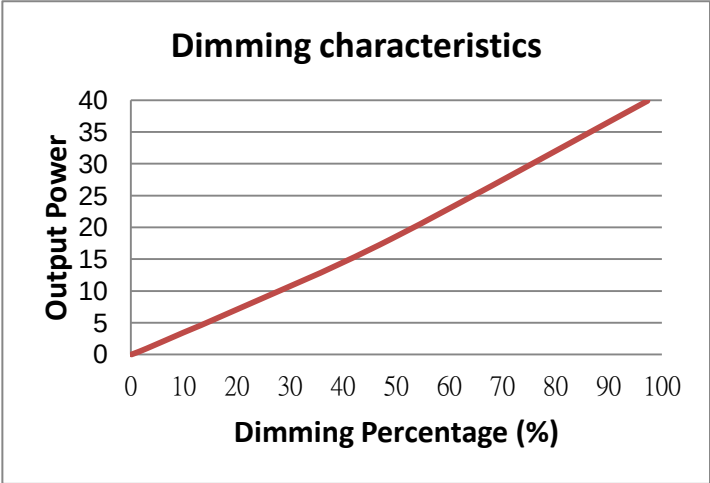
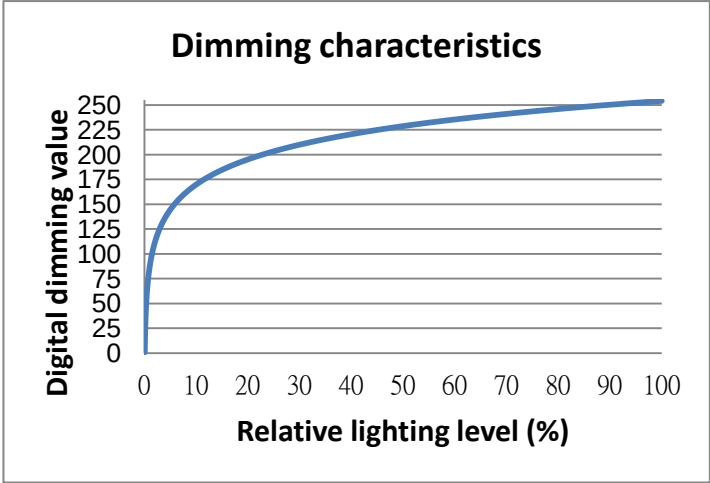
Electrical Values

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
300	10-42	3.0-12.6
350	10-42	3.5-14.7
400	10-42	4.0-16.8
450	10-42	4.5-18.9
500	10-42	5.0-21.0
550	10-42	5.5-23.1
600	10-42	6.0-25.2
650	10-42	6.5-27.3
700	10-42	7.0-29.4
750	10-42	7.5-31.5
800	10-42	8.0-33.6
850	10-42	8.5-35.7
900	10-42	9.0-37.8
950	10-42	9.5-39.9
1000	10-40	10.0-40.0
1050	10-38	10.5-39.9

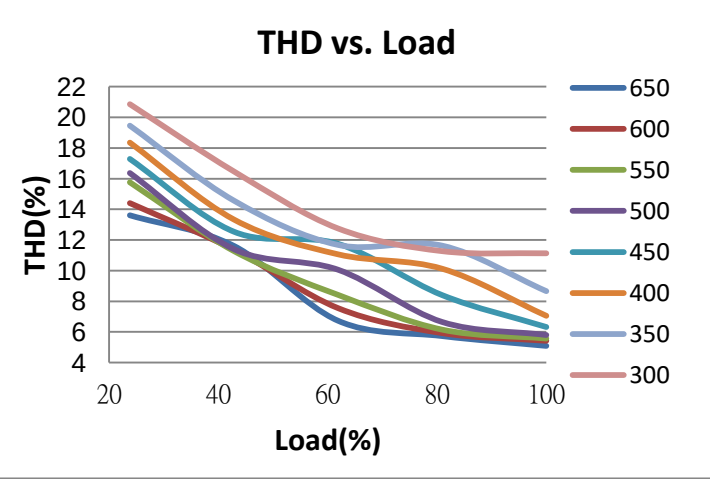
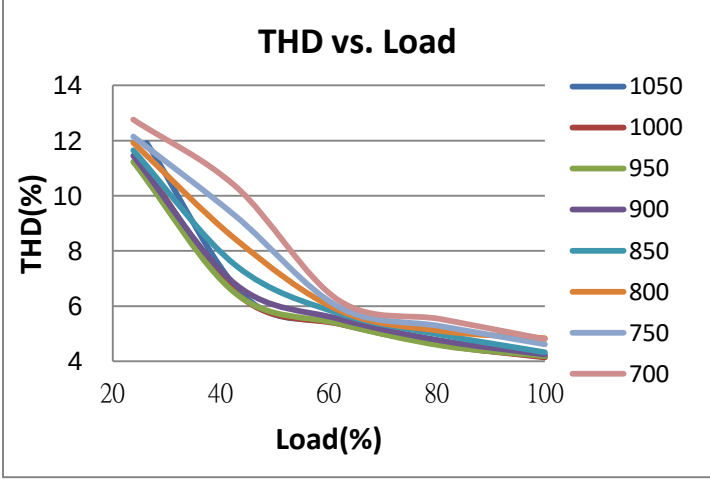
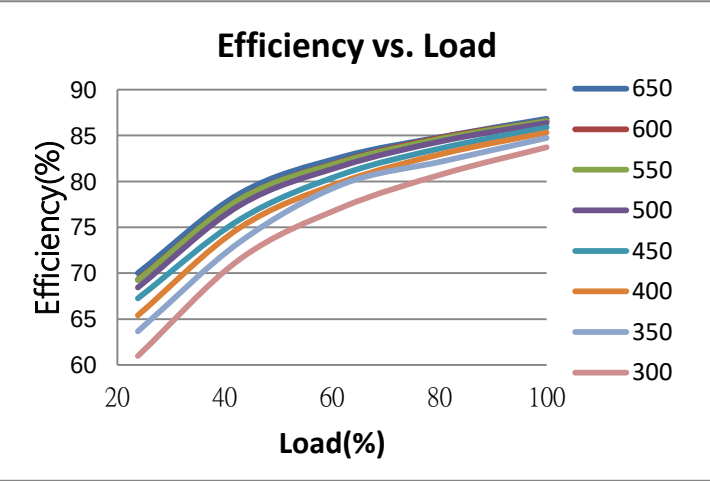
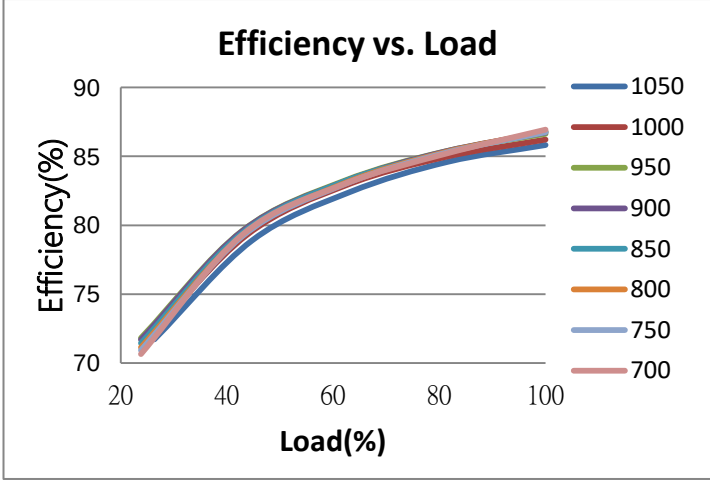
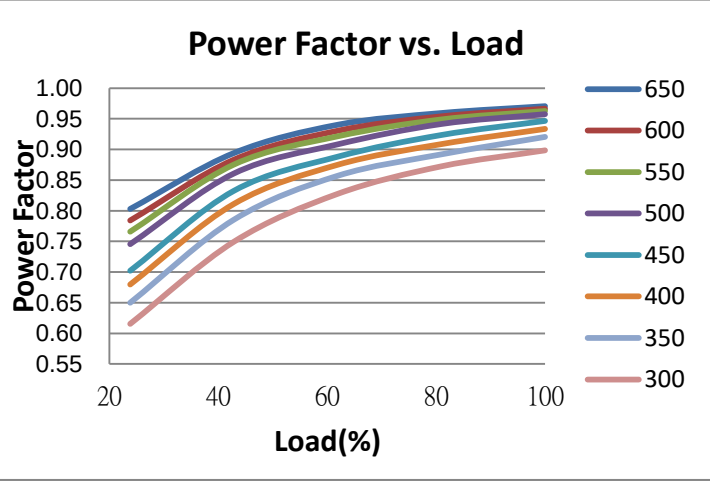
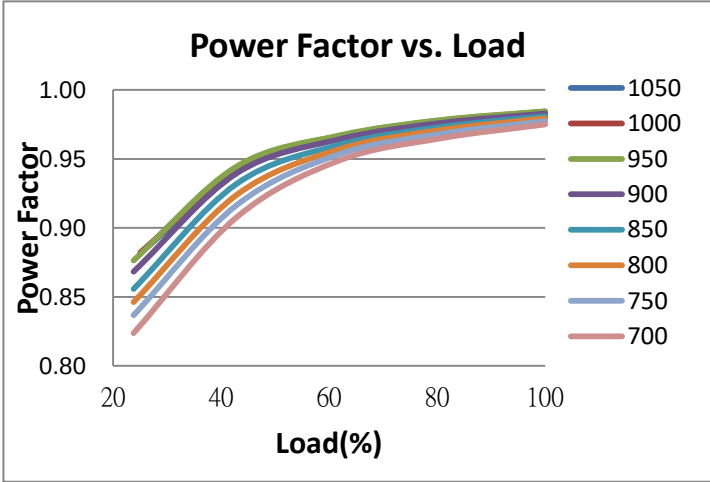
V/I Curve



■ DALI Curve



■ Electrical Values



Physical
Parameter

▼ By adding side covers the built-in type simply easy as an independent unit.

32.0 x 30.0 x 21.0 mm (Left/Right) 32.0 x 25.5 x 12.0 mm (Left/Right) M3*8 (2 pcs)

Technical drawings showing dimensions: L, L1, N, W, H.

L : 164.0 mm L1: 130.0 mm Tolerance : +/-1 mm
W : 30.0 mm N : 138.0 mm Housing Material : Polycarbonate/Potting
H : 21.0 mm Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Dip Switch -
One driver offers 16 choosable output current



Current	Dip-switch setting			
	1	2	3	4
300 mA	-	-	-	-
350 mA	ON	-	-	-
400 mA	-	ON	-	-
450 mA	ON	ON	-	-
500 mA	-	-	ON	-
550 mA	ON	-	ON	-
600 mA	-	ON	ON	-
650 mA	ON	ON	ON	-
700 mA	-	-	-	ON
750 mA	ON	-	-	ON
800 mA	-	ON	-	ON
850 mA	ON	ON	-	ON
900 mA	-	-	ON	ON
950 mA	ON	-	ON	ON
1000 mA	-	ON	ON	ON
1050 mA	ON	ON	ON	ON

WiringDiagram
DALI system

