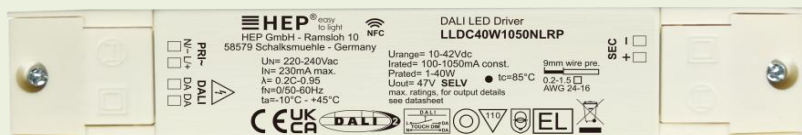




Built-in type



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	Default light output: 15% (adjustable: 0-100%)
	Nominal current	230mA	Full load @ 230VAC
	Total Harmonic Distortion (THD)	< 15%	Full load @ 230VAC
	Power factor	0.2C-0.95	Min-load @ 240Vac and Full-load @ 220 Vac
	Displacement factor	0.2C-0.95	Min-load @ 240Vac and Full-load @ 220 Vac
	Efficiency	90% (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	NA	
	Inrush current	12 A / 45 µs	Full load @ 230VAC
Max.units per circuit breaker	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
Output	Nominal voltage range		
	100/150/200/250/300/350/400/450/500mA	10-42Vdc	
	550/600/650/700/750/800/850/900/950mA	10-42Vdc	
	1000mA	10-40Vdc	
	1050mA	10-38Vdc	
	Maximum voltage	47Vdc	
Nominal current range		100-1050mA	DC Output with adjustable constant current from 100 to 1050mA via NFC in 1mA steps Factory default 100mA

	Item	Value	Remark
Output	Nominal current range		
	100mA	100mA	
	150mA	150mA	
	200mA	200mA	
	250mA	250mA	
	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 _{st} LM	≤ 1	Full load @ 230VAC
	Starting time	< 0.5 S	Full load @ 230VAC by DALI cotrol
	Nominal power range		
	100mA	1.0-4.2W	
	150mA	1.5-6.3W	
	200mA	2.0-8.4W	
	250mA	2.5-10.5W	
	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	

	Item	Value	Remark
Dimming	Dimming control	DALI/Touch Dim	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range		
	DALI Dimming	0.1-100%	
	Push Dimming	0.1-100%	
	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	85°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 85 °C @ ta 45 °C > 100000 h, tc 75 °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
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,EN61547:2023,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	
	DAL Connection		
	Cable cross-section	0.2-1.5□/AWG 24-16	
	Stripping	9mm	
Terminal information			
	PRI-Push button/Angled Entry		
	SEC-Push button/Angled Entry		
	DALI-Push button/Angled Entry		

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

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

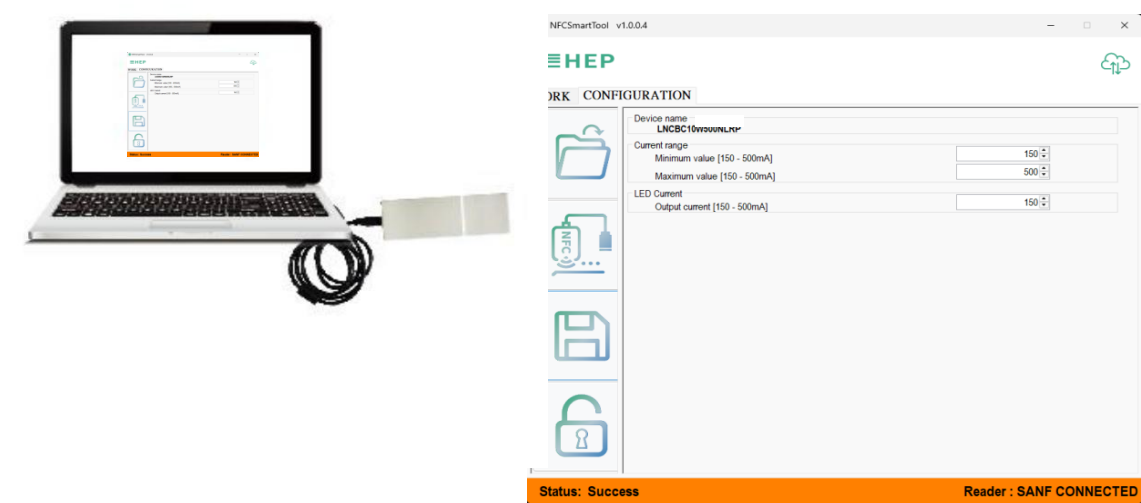
Current adjustable

Output current/Color temperature can be adjusted by NFC reader and APP

NFC Reader (optional)

Feature:

Easily on-line read a output current from a driver or write a new current data to a driver throughout HEP NFC reader within few seconds.



NFC APP

Feature:

Quickly check output current of a LED driver simply via Android smart phone, as well as, correct or setup a new current data immediately with no extra equipment at any job site.

ICON



Main



QR Code

Google play



APK



Android 6.0 Up

Smart phone with a NFC function



Built-in type

Order number: LLDC40W1050NLRP



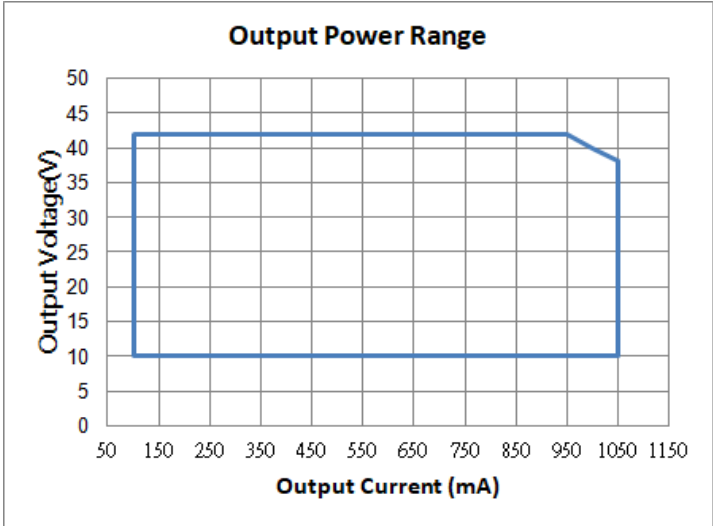
Independent type

Order number: LLDC40W1050NLRPZ

Electrical Values

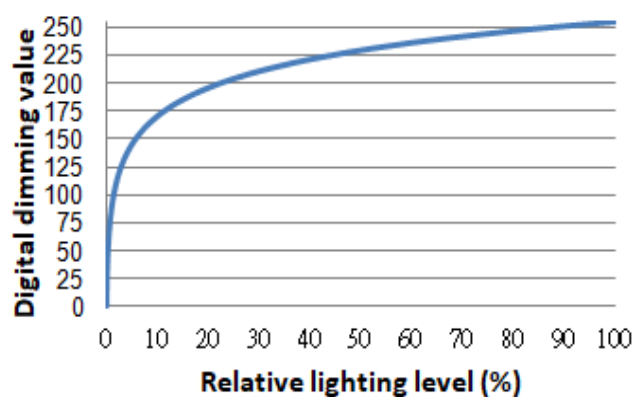
Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
100	10-42	1.0-4.2
150	10-42	1.5-6.3
200	10-42	2.0-8.4
250	10-42	2.5-10.5
300	10-42	3.0-12.6
350	10-42	3.5-14.7
400	10-42	4.0-16.8
450	10-42	4.5-18.9
500	10-42	5.0-21.0
550	10-42	5.5-23.1
600	10-42	6.0-25.2
650	10-42	6.5-27.3
700	10-42	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

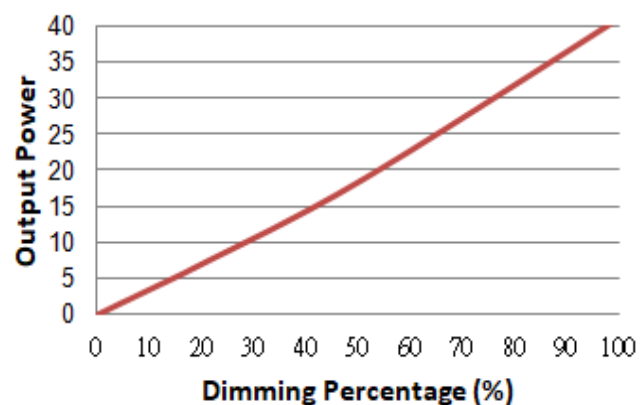


■ DALI Curve

Dimming characteristics

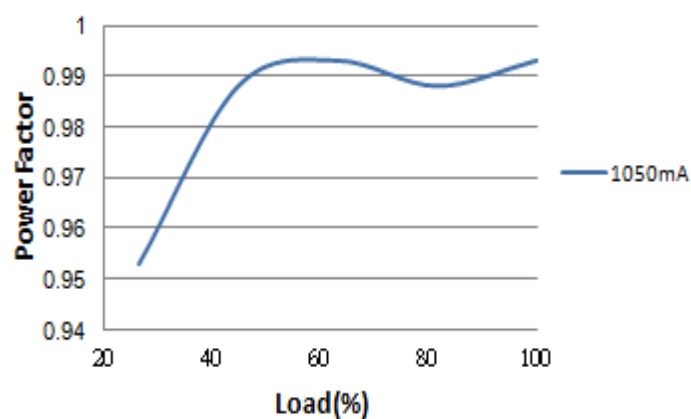


Dimming characteristics

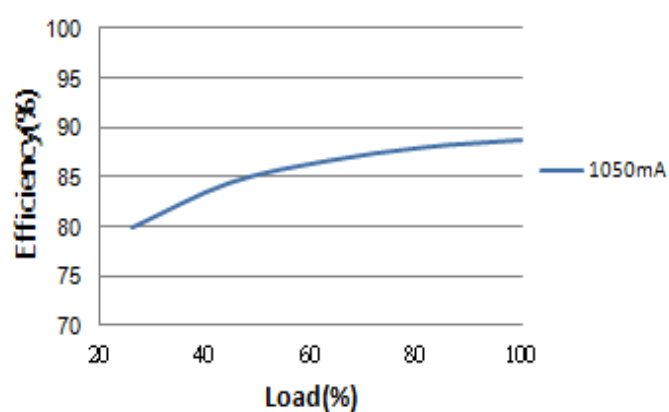


■ Electrical Values

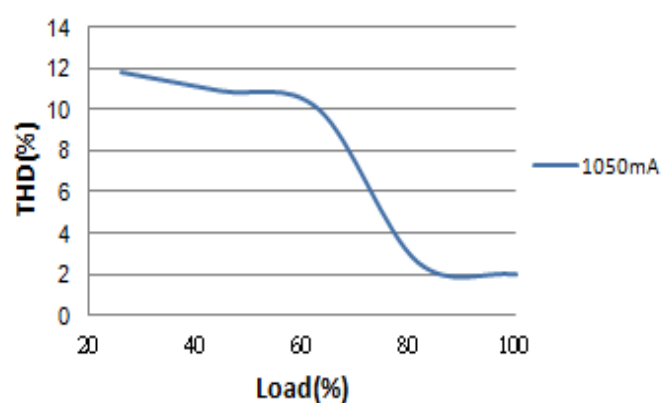
Power Factor vs. Load



Efficiency vs. Load

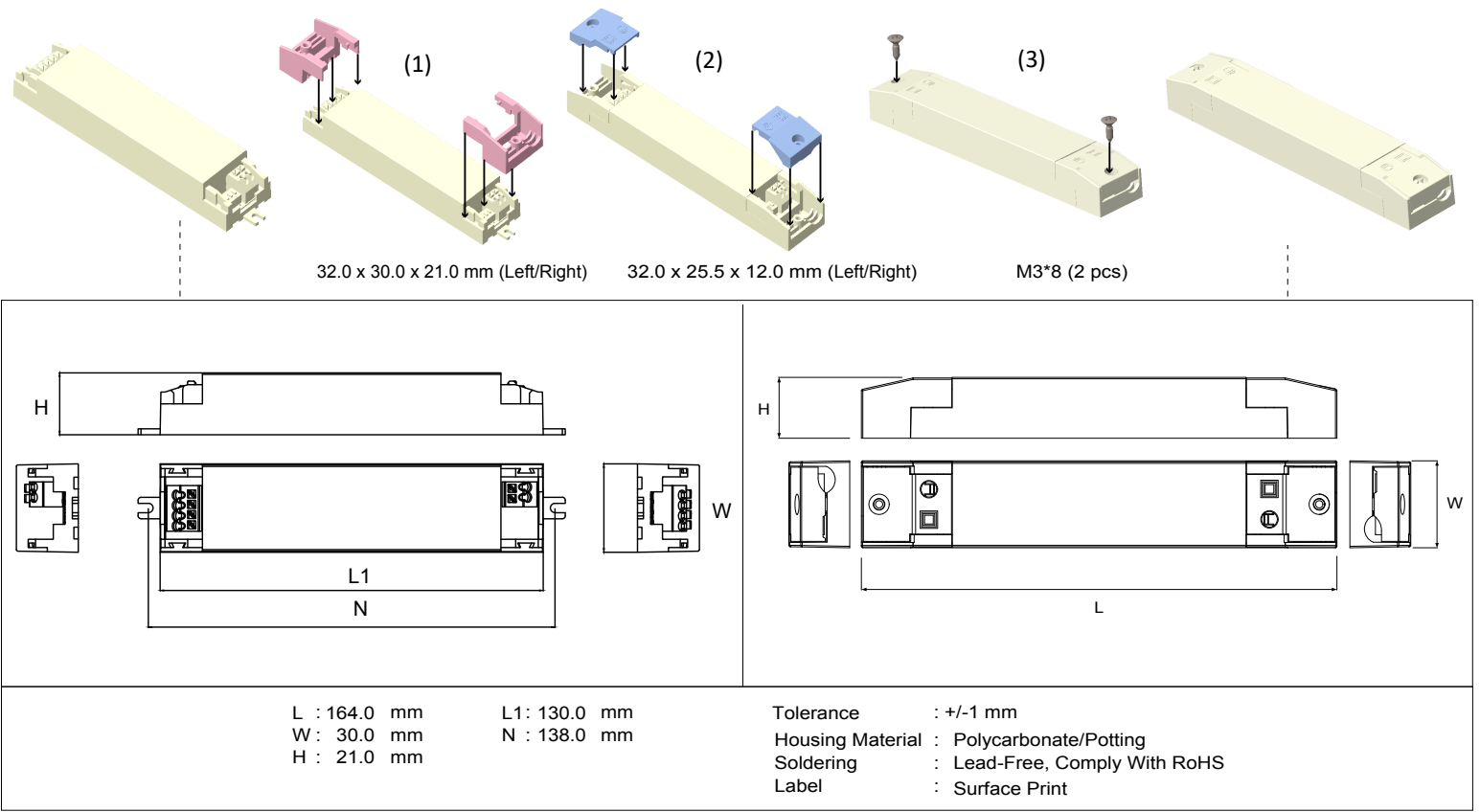


THD vs. Load



Physical
Parameter

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



WiringDiagram
DALI system

