



Approval Marks




GMA-513600

LWDC40W1050NLR-W

LWDC40W1050NLR-B

LWDC40W1050NLR-G



Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	220mA	
	Total Harmonic Distortion (THD)	< 15%	Full load @230VAC
	Power factor	0.5C-0.97	Full load @230VAC
	Displacement factor	0.5C-0.97	Full load @230VAC
	Efficiency - Full load	86% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	< 0.5W	
	Protection class	II	
	Inrush current	10 A / 80 us	
Max.units per circuit breaker	Type B , 10A MCB	18	
	Type B , 16A MCB	29	
	Type C , 10A MCB	23	
	Type C , 16A MCB	36	
	Earth leakage current	NA	
Output	Nominal voltage range		
	350mA	10-54 Vdc	
	450mA	10-54 Vdc	
	500mA	10-54 Vdc	
	600mA	10-54 Vdc	
	700mA	10-54 Vdc	
	800mA	10-50 Vdc	
	900mA	10-44 Vdc	
	1000mA	10-40 Vdc	
	1050mA	10-38 Vdc	
	Maximum voltage	60 Vdc	
	Nominal current range	350-1050mA	DC Output with adjustable constant current from 350 to 1050 mA via NFC in 1mA steps
	Current accuracy	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency< 120Hz Full load @230VAC

	Item	Value	Remark
Output	Starting time	< 0.5 S	Full load @230VAC
	SVM	≤ 0.4	Full load @230VAC
	P _{st} LM	≤ 1	Full load @230VAC
	Nominal power range	3.5-40W	
	Maximum power	40W	
Dimming	Dimming control	DALI/Touch Dim	
	Dimming range	1-100%	
	Lowest dimming current	0.5%-2%	@ Vo=35Vdc
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Galvanic isolation	Basic insulated to PRI and double insulated to SEC	
Environment	Ambient temperature range t _a	-20°C - +35°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	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	>100,000	
	Expected lifetime	> 50,000 h, t _c 85 °C @ t _a 35 °C	0.2 % / 1,000 h failure rate
Packing	Gross weight/box	7.0 kg	
	Net weight/box	6.0 kg	
	Pcs/box	35 PCS	
	Dimension/box	385(L)*310(W)*260(H)mm	
Protections			
Short-circuit Protection		Auto recovery	
Open-circuit Protection		Auto recovery	
Overload Protection		Auto recovery	
Conformity & Standards			
Safety standard:		EN 61347-1, EN 61347-2-13, EN 62493	
Performance:		EN 62384	
EMC standard:		EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	
SAA standard:		AS/NZS 61347.1, AS 61347.2.13	
DALI protocol standard:		EN 62386-101, EN 62386-102, EN 62386-207	
Cable information			
SEC	+	-	
Cable cross-section	0.34-0.5□/AWG 22-20	0.34-0.5□/AWG 22-20	
Stripping	9mm	9mm	
Terminal information			
PRI-Contact metal			
SEC-Push button/Angled Entry			
DALI-Contact metal			
Subject to change without notice, HEP guarantees all products perform functionally well			
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).			

Current adjustable

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.



APP NFC

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

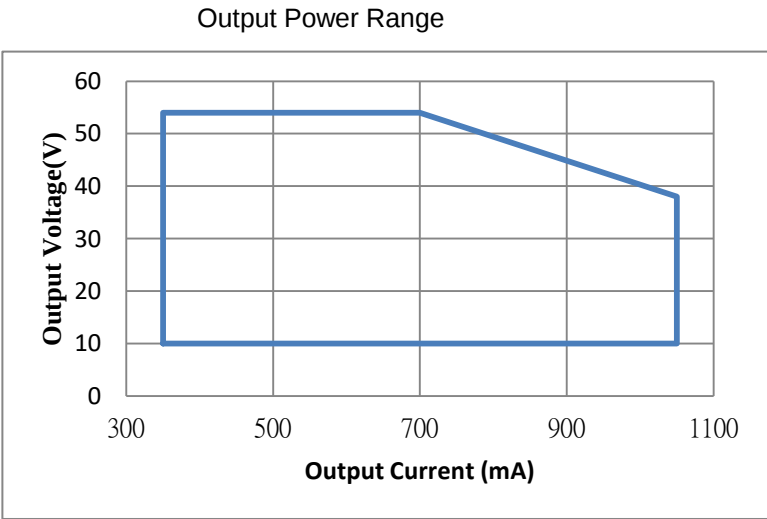
QR Code

Google play

APK

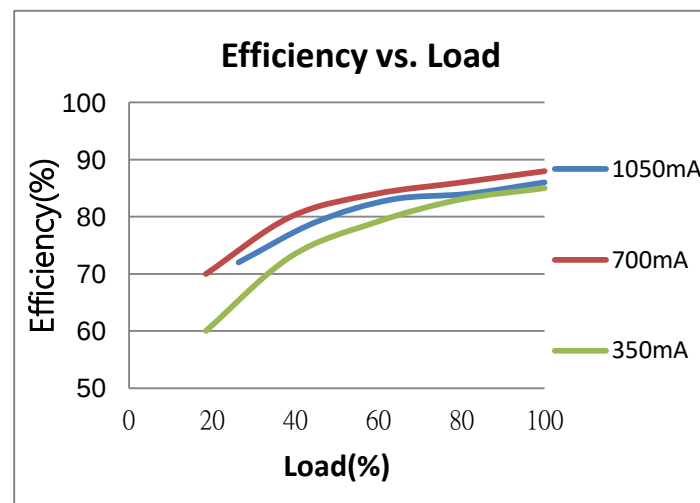
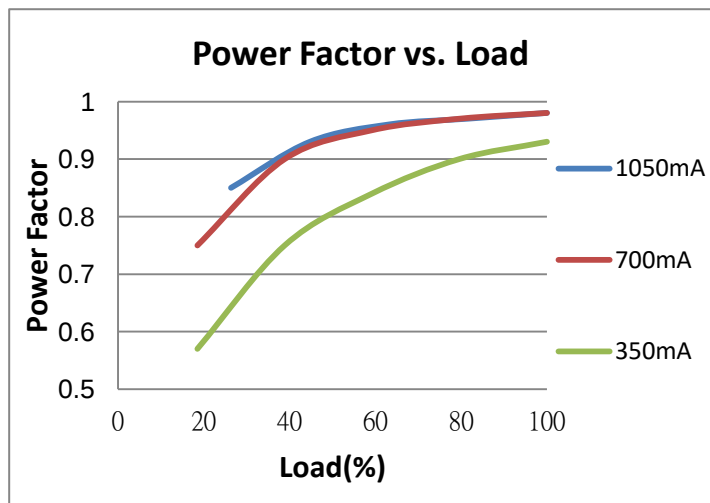
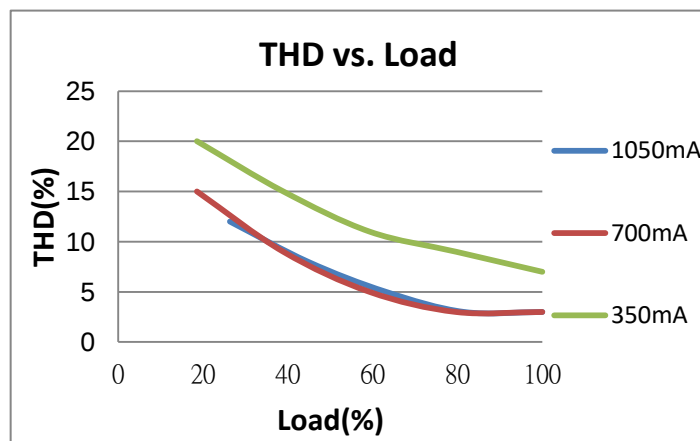
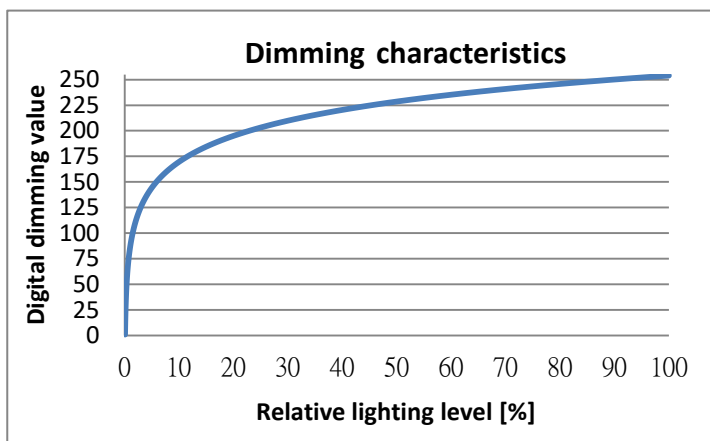
Android 6.0 Up
Smart phone with a NFC function

Electrical Values



Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
1050	10-38	10.5-40.0
1000	10-40	10.0-40.0
900	10-44	9.0-40.0
800	10-50	8.0-40.0
700	10-54	7.0-37.8
600	10-54	6.0-32.4
500	10-54	5.0-27.0
450	10-54	4.5-24.3
350	10-54	3.5-18.9

* Upon client's special demand, customized current range in between 350 mA and 1050 mA could be specified as factory default from shipment. This default current range availably revised again via NFC reader program at client's site, if necessary.



Label

HEP GROUP® HEP GmbH - Ramsloh 10 58579 Schalksmühle - Germany UN= 220-240V IN= 220mA max. $\lambda = 0.95$ $f_n = 50-60\text{Hz}$ $t_a = -20^\circ\text{C} - +35^\circ\text{C}$	DALI LED Driver LWDC40W1050NLR Urange= 10-54 Vdc I _{rated} = 350-1050mA const. Prated= 3.5-40W max. ratings U _{out} = 60V max. for output details see datasheet	 SEC SELV $t_c = 85^\circ\text{C}$	GMA-513600  Top side NFC)) 9mm wire preparation 0.34-0.51/AWG 22-20
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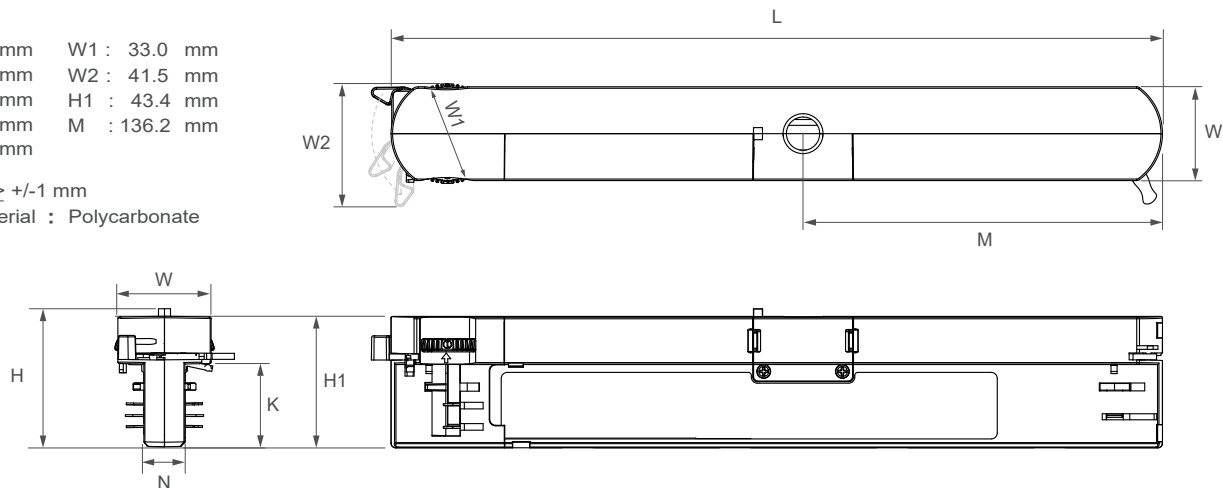
Physical

Parameter

L : 255.0 mm	W1 : 33.0 mm
W : 31.0 mm	W2 : 41.5 mm
H : 45.9 mm	H1 : 43.4 mm
N : 13.7 mm	M : 136.2 mm
K : 27.5 mm	

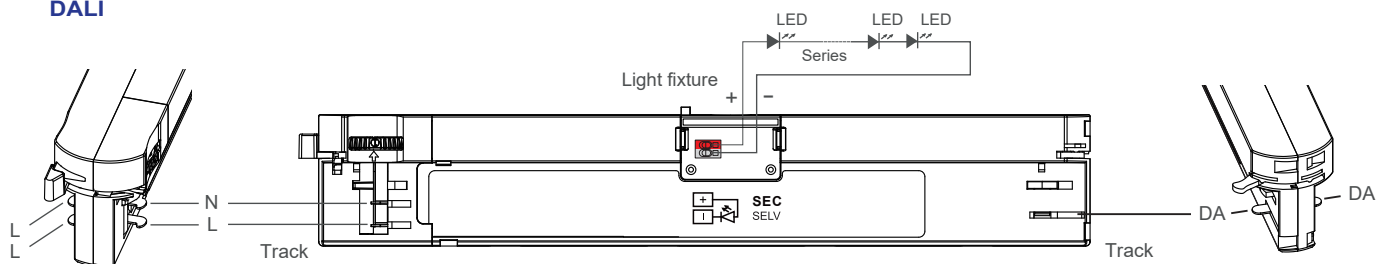
Tolerance : $\geq \pm 1$ mm

Housing Material : Polycarbonate

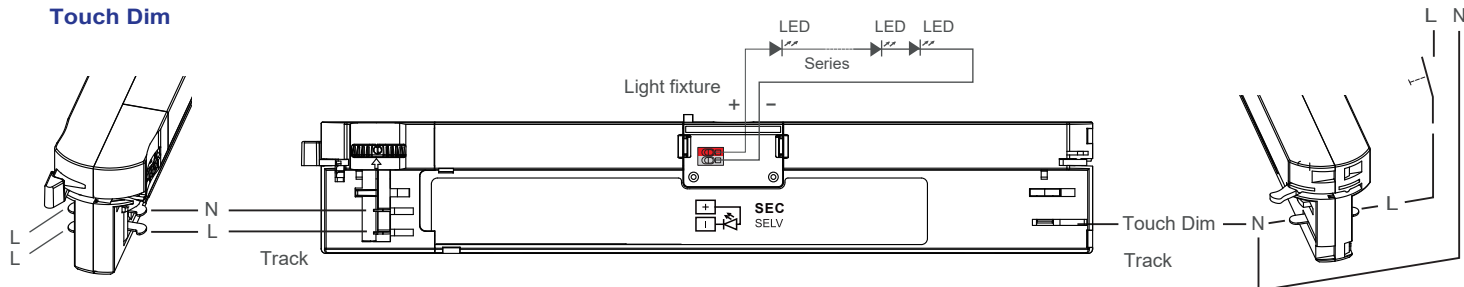


Wiring Diagram

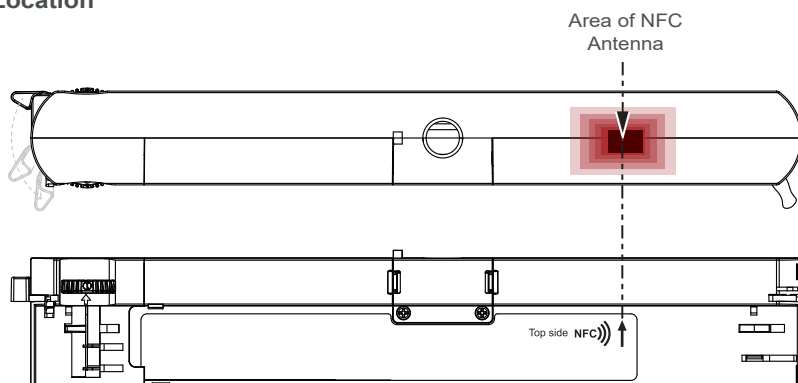
DALI



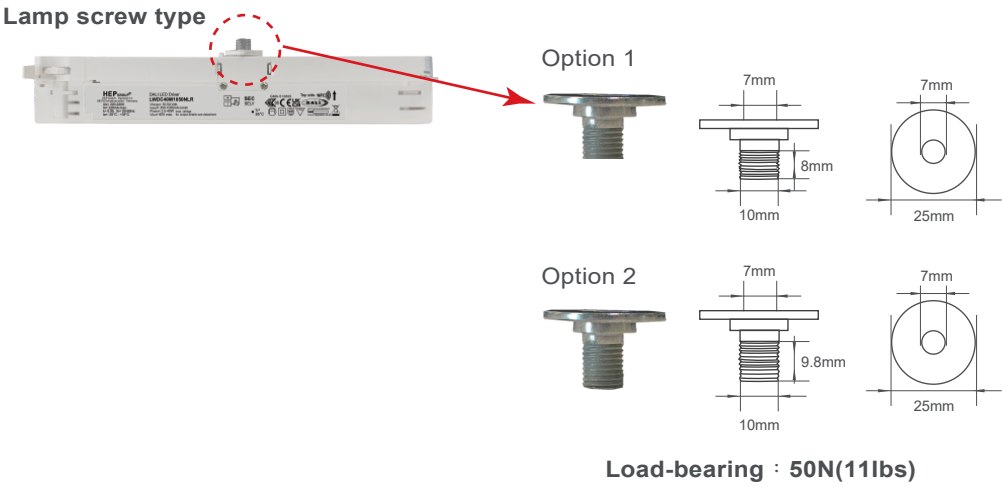
Touch Dim



NFC Antenna Location



Lamp screw type



The driver could be compatible with Global,Powergear,STUCCHI on 3-phase-circuit track system.

Manutacturer	Type	Model	System
NORDIC ALUMINIUM	Global Track pulse DALI	XTSC 6x00 XTSCF 6x00 x=1,2,3,4	3-phase + DALI
STUCCHI	Three-Phase Track + Control System	9000-.../...-ST 9000-.../...-R	3-phase + DALI
POWERGEAR	3 Circuits DALI Track System	PRO-06x0,06400 PRO-06x0,R6400 x=1,2,3	3-phase + DALI

MECHANICAL LOAD DIAGRAM

