

FICH036C0900NSLPR4

Constant current led driver(Isolated)
Built-in power supply



Product characteristics

Plastic housing isolated double-stage flicker free design
Flicker-free output, meet the requirement of ErP Standard
High temperature resistant, Ta : 70°C
High PF, high efficiency, low THD
Class II design, suitable for use inside of the lighting fixture
Power ON time<0.5s
With short-circuit protection and over-current protection
4-level DIP for current switching optional



Technical data

Product model	Rated power	Output voltage	Output current	Output voltage	PF	Efficiency	Size mm
FICH036C0900NSLPR4	36W	220-240V	750-900mA	25-40V	0.95	88%	65*25

If you need other parameters, please consult the corresponding sales staff

Technical data

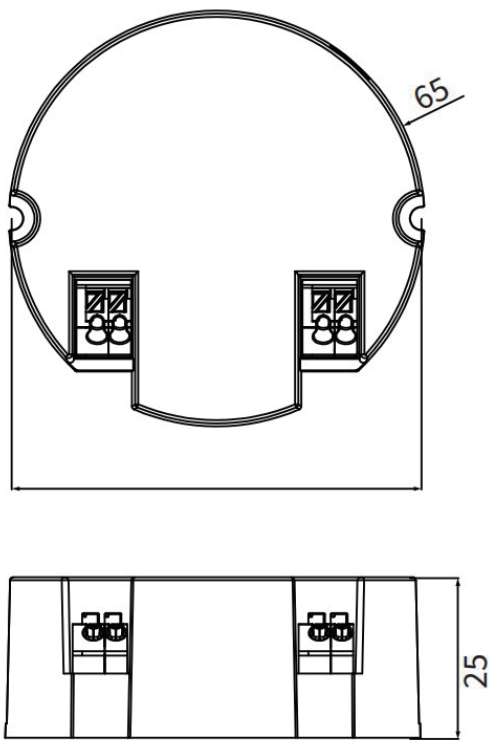
Electrical specification

item		Technical index			
Output parameter	Output mode	Constant current output			
	Rated output current	750mA	800mA	850mA	900mA
	Rated output voltage	25-40V	25-40V	25-40V	25-40V
	Rated output power	30W Max	32W Max	34W Max	36W Max
	Current regulation system	4-speed dip			
	Current low frequency ripple	5%	5%	5%	5%
	Current accuracy	±5%	±5%	±5%	±5%
	Linear adjustment rate	±5%	±5%	±5%	±5%
	Load adjustment rate	±5%	±5%	±5%	±5%
	No load output voltage	45V±2	45V±2	45V±2	45V±2
	Stroboscopic performance (typical)	Comply with IEEE1789 standard			
	Output parameter	Rated operating voltage	220-240VAC		
Maximum operating voltage range		198-264VAC			
Short-time high pressure resistance		>305VAC, 1H			
Input current		FICH036C0900NSLPR4<0.22A (230V AC & Full load)			
Operating frequency		50/60Hz			
Power factor		0.95			
Total harmonic distortion		<20% (230VAC & Full load)			
Conversion efficiency (typical)		750mA:84.0% 850mA:85.0%	800mA:84.0% 900mA:85.5%	(230VAC & Full load)	
Startup surge current		<50A			
Start-up time		<0.5s			
Switching life		>50000			
Power consumption		(Pmax):36W, (Pno):<0.5W, (Psb) :N/A, (Pnet) : N/A			
secure	Withstand voltage	I/P-O/P 3.0kV & 5mA & 60S			
	Lightning strike	L-N:2KV			
	Leakage current	<0.7mA (230V AC & Full load)			
	Insulation impedance	I/P-O/P >100MΩ@500VDC			
Environment & Life	Operating temperature	Ta= -25-+70°C			
	Casing temperature	Tc=100°C==			
	Working humidity	10- 85% RH non-condensing			
	Storage temperature	-40+85°C non-condensing			
	IP level	IP20			
	Service life	27889h @72°C(Ta)/97°C(Tc)			
	Vibration resistance	10 ~ 500Hz, 5G 12 minutes/cycle, X, Y, Z axis 72 minutes each			
	noise	<25dB(30cm, Full load)			
	Environmental protection	RoHS			

Technical data

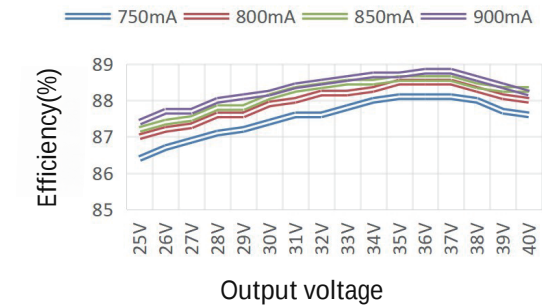
item		Technical index
Certification & Standards	secure	EN61347-1:2015,EN61347-2-13:2014+A1:2017, EN62493:2015,IEC 61347-2-13:2014+A1, IEC 61347-1:2015+A1
	EMC	EN55015:2019+A11,EN61000-3-2:2019,EN61000-3-3:2013+A1, EN61547:2009,GB/T17743.2017
	DALI-2	N/A
	EL	N/A
	RF	N/A
	remark	1. Unless otherwise specified, all specifications are at the input voltage of 230VAC. Rated load, measured at 25 ° C ambient temperature.

Appearance size (unit: mm)

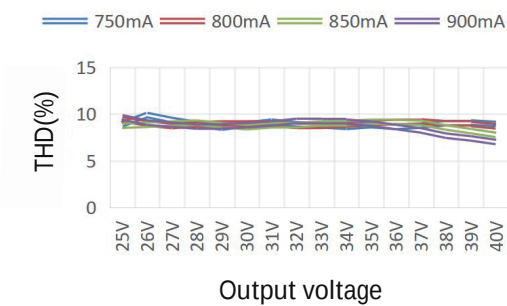


Characteristic curves

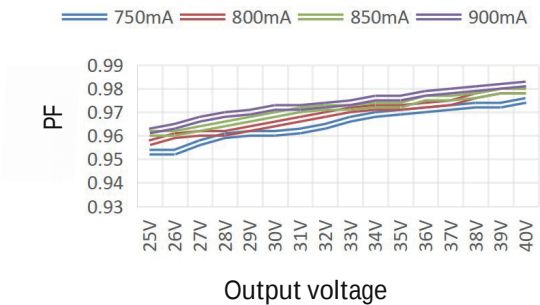
Efficiency vs Output voltage



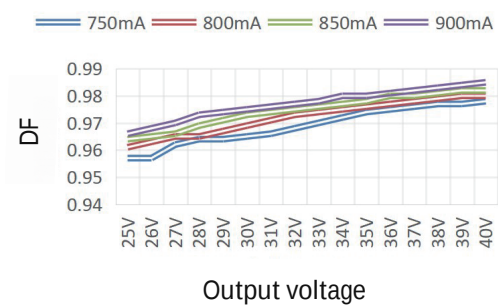
THD vs Output voltage



PF vs Output voltage



DF vs Output voltage



Life curve

Lifespan vs TC temperatur

