



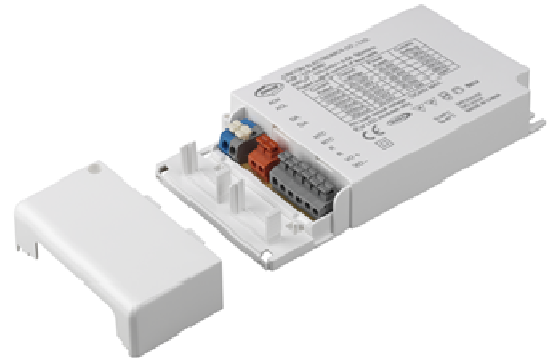
LDL40

40 WATT SINGLE OUTPUT LED POWER SUPPLY



Features

- * Universal AC Input 90~264Vac
- * Low AC Inrush Current < 5A
- * Standby Power Consumption < 0.5W
- * PF > 0.9
- * DALI Dimming, 1~100%
- * Adjustable Output Current Setting
- * Continuous Short Circuit Protection
- * Up to 2.5Φ Diameter Wire for Terminals of CN1(L/N)
- * Up to 1.5Φ Diameter Wire for Other Terminals



MODEL	Input Voltage Range	Max. Output Current (CC region)	Min Output Voltage	Max Output Voltage	Max. Output Power	Resistance for I _{max} Setting	No Load Output Voltage (max.)	Ripple % (*V out)	Eff. typ.
LDL40DU	90 ~264 Vac	1400mA max.	15V	29V	40.6W max	3.3K	40Vdc	1 %	86%
		1050mA max	20V	38V	39.9W max	10K	49Vdc		
		900mA max	20V	44V	39.6W max	22K	55Vdc		
		700mA max	20V	50V	35.0W max	39K	60Vdc		
		600mA max	20V	50V	30.0W max	68K			
		350mA max	20V	50V	17.5W max	150K~OPEN			

Ordering Information (P/N name reference as label example below):

Series	Model	Dimming Function	AC Input Range	Type
LDL	40	X	X	X
LDL	40	D : DALI + Current Setting	U:90~264Vac	Blank : Standard type B : Built-in type

Specifications

INPUT SPECIFICATIONS:

AC Input Voltage	90~264Vac
Frequency	50/60 Hz
AC Inrush Current	<5A After 100 μ S @240Vac, 25°C Ta Cold Start
Standby Power Consumption	<0.5W
Leakage Current	<0.75mA

OUTPUT SPECIFICATIONS:

Constant Current Accuracy (note1)	±5% max.
Current Line Regulation (note2)	±5% max.
Current Load Regulation (note3)	±5% max.
Over Voltage Protection	TVS Clamp
Short Circuit Protection	Hiccup Mode, Auto Recovery
DALI Dimming (Option with Current Setting Resistor Between Pin3 and Pin4 of CN3)	1~100%

GENERAL SPECIFICATIONS:

Efficiency	LDL40DU:86%@230Vac Full Load.
Isolation Voltage, Input to Output	3.75KVac
Isolation Resistance, Input to Output	10 ⁸ Ω min.
Surge Voltage Between L-N	2KV

SAFETY AND EMC:

Safety	EN61347-1, EN61347-2-13
EMI	EN55015 Class B
EMS	EN61000-4-2, 3, 4, 5, 6, 8, 11
Harmonic Current	EN61000-3-2, 3

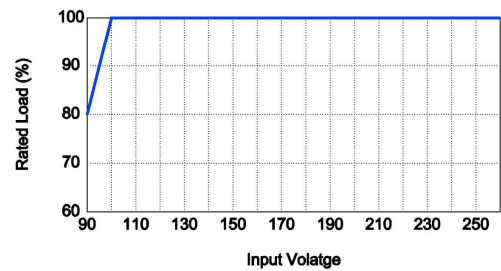
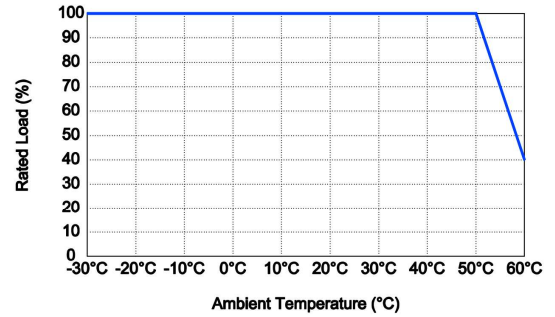
MECHANICAL CHARACTERISTICS:

Dimensions	5.906x3.150x0.913 Inches (150.0x80.0x23.2mm)
Weight	220g

NOTE:

- Set at 230Vac nominal input voltage and full load.
- Current line regulation is measured from high line to low line, full load.
- Current load regulation is measured from min. output voltage to max. output voltage.
- All specifications are typical at 230 Vac, Vo max., full load and 25°C Ta, unless other noted

LDL40 Derating Curve

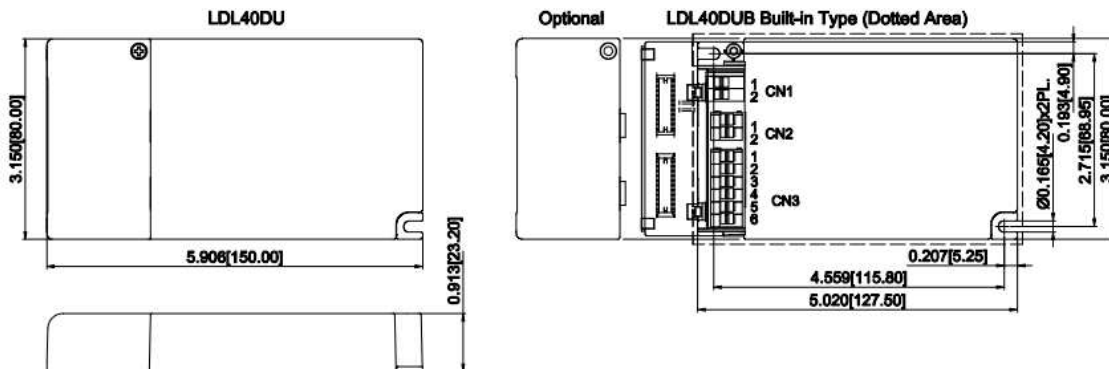


ENVIRONMENTAL CHARACTERISTICS:

Operating Ambient Temperature	-30°C ~ 50°C (See Derating Curve)
Cooling	Natural Convection
Storage Temperature, Humidity	-40 ~ 85°C, 20%~95% RH
Operating Altitude max.	3000 m Above Sea Level
Temperature Coefficient	±0.05%/°C (0~50°C)

Mechanical Specification

All Dimensions in Inches[mm]
Tolerance Inches:x.xxx±0.02
Millimeters:x.xx±0.5



CN1:

Pin	Function	Terminal Color
1	ACN	Blue
2	ACL	Gray

CN2:

Pin	Function	Terminal Color
1	DA	Orange
2	DA	Orange

CN3:

Pin	Function	Terminal Color	Pin	Function	Terminal Color	Pin	Function	Terminal Color
1	NTC	Gray	3	R	Gray	5	Vo+	Gray
2	NTC	Gray	4	R	Gray	6	Vo-	Gray

LDL40DUB Single Without Wire Box
LDL40DU with Wired Box
CN1 use the wire diameter with 0.75~2.5mm²
CN2 / CN3 use the wire diameter with 0.2~1.5mm²