

DONE®东菱电源	产品类型	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-50W-L 系列	REV	1.2

中山市东菱照明科技有限公司

客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/客户名:	
MODEL NO. /产品型号:	DL-50W-L
Rev./版本号:	V1.2
SAMPLE DATE/送样日期:	

客户确认栏

TESTED BY 检查	CHECKED BY 审核	APPROVED BY 批准
客户备注		

Please return to us one copy of "SPECIFICATION FOR APPROVAL" with you approved signature./客户确认签章后请回传一份承认书给我公司.

东菱确认栏

TESTED BY 检查	CHECKED BY 审核	APPROVED BY 批准
 LSC 2019.12.25 08:00:46 +08'00'	 2020.01.06 14:28:17 +08'00'	 2020.01.06 15:31:38 +08'00'

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FEATURES 产品特点

- ◇ Class II Driver
Class II结构驱动
- ◇ Input voltage:100-277Vac 50Hz/60Hz
输入:100-277Vac 50Hz/60Hz
- ◇ Eff.>88% @230Vac Full load
输入为 230Vac , 输出满负载 , 效率可达 88%
- ◇ Surge Differential Mode+/- 1 KV (2 ohm) .
Class II (line to neutral) (IEC61000-4-5 2014)
浪涌等级为差模 L-N Class II +/- 1 KV (2 ohm)
参照 IEC61000-4-5 2014
- ◇ Double 75 test pass (15 days)
可通过双 75 测试 (15 天)
- ◇ The LED DRIVER shall be applied 1500Vac for 60 seconds (HI – POT)
该 LED 驱动 I/P-O/P 耐压可达 1500Vac 持续 60S
- ◇ Long life design warranty for 3years
超长寿命设计 , 质保 3 年
- ◇ Applied in:Ceiling lamp, Panel lamp, Track lamp and other indoor lighting lamp guide
应用于 : 天花灯、面板灯、导轨灯等室内照明灯具



MODEL LIST 型号列表

型号(Model NO.)	Input Voltage 输入电压	Output Voltage 输出电压	Output Current 输出电流	效率 Efficiency	
				115Vac	230Vac
DL-50W300-L	100-277V~ 50/60Hz	65~130Vdc	300mA	88%	89%
DL-50W600-L		43~86Vdc	600mA	88%	89%
DL-50W900-L		24~48Vdc	900mA	87%	88%
DL-50W1A05-L		21~42Vdc	1050mA	87%	88%
DL-50W1A2-L		21~42Vdc	1200mA	87%	88%
DL-50W1A35-L		18~36Vdc	1350mA	87%	88%
DL-50W1A5-L		18~36Vdc	1500mA	87%	88%

Model NO.型号	DL-50W300-L	DL-50W600-L	DL-50W900-L	DL-50W1A05-L	DL-50W1A2-L	DL-50W1A35-L	DL-50W1A5-L
RATED CURRENT 额定电流 (m A)	300 mA	600 mA	900mA	1050mA	1200mA	1350mA	1500mA
CONSTANT CURRENT REGION @120-277Vac 50/60Hz 电流范围@120-277Vac 50/60Hz	275~315mA	560-630 mA	855-945mA	1000-1100mA	1140~1260mA	1280-1420 mA	1425~1575mA
CONSTANT CURRENT REGION @100-120Vac 60Hz 电流范围@100-120Vac 60Hz	230~315mA	500-630 mA	750-945mA	900-1100mA	1000~1260mA	1150-1420 mA	1300~1575mA
VOLTAGE RANGE 电压范围 (V dc)	65~130Vdc	43~86Vdc	24~48Vdc	21~42Vdc	21~42Vdc	18~36Vdc	18~36Vdc
RATED POWER 额定功率	39W	51.6W	43.2W	44.1W	50.4W	48.6W	54W
OVER VOLTAGE 过电压(V dc)	135~145 Vdc	90~105 Vdc	55~60 Vdc	45-50 Vdc	45~50 Vdc	40~45Vdc	40~45Vdc
EFFICIENCY(Typ.) 效率(Typ.)	88%@230Va c Full Load	88%@230Va c Full Load	87%@230Va c Full Load	87%@230Vac Full Load	87%@230Vac Full Load	87%@230Vac Full Load	87%@230Vac Full Load
RIPPLEOF THE OUTPUT CURRENT 输出电流纹波 (LED))	≤5%						
LINE REGULATION 线性调整率	±3%						
LOAD REGULATION 负载调整率	±3%						
SETUP TIME 启动时间	<1000ms @ 115Vac full load <500ms @ 230Vac full load						

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◇Protection 保护

OVER CURRENT (Typ.) Note.4 过载	95 ~ 105% Protection type : Constant current limiting, recovers automatically after fault condition is removed 保护模式:恒电流限制模式, 负载异常条件移除后可自动恢复
SHORT CIRCUIT 短路	Hiccup mode, recovers automatically after fault condition is removed 打嗝模式,异常条件移除后可自动恢复
OVER VOLTAGE 过电压	Protection type : hiccup or when it is at the highest point of output voltage the product would not be hurt when the fault is excluded or is start working again the power supply is working normally 保护模式:打嗝或钳在某输出最高电压状态,产品不受损伤,当故障排除或重新起机时,电源工作正常

NOTE :

- 1) All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
如未特别说明,所有规格参数均在 230Vac (50Hz) 输入, 额定负载, 环境温度 25°C 的条件下进行测量
- 2) Tolerance : includes set up tolerance, line regulation and load regulation.
包含设定误差、线性调整率和负载调整率。
- 3) Constant current operation region is within 50% ~100% rated output voltage. This is the suitable operation region for LED related applications.
恒流模式在额定输出电压 50%~100%情况下运行, 适用行 LED 等相关产业

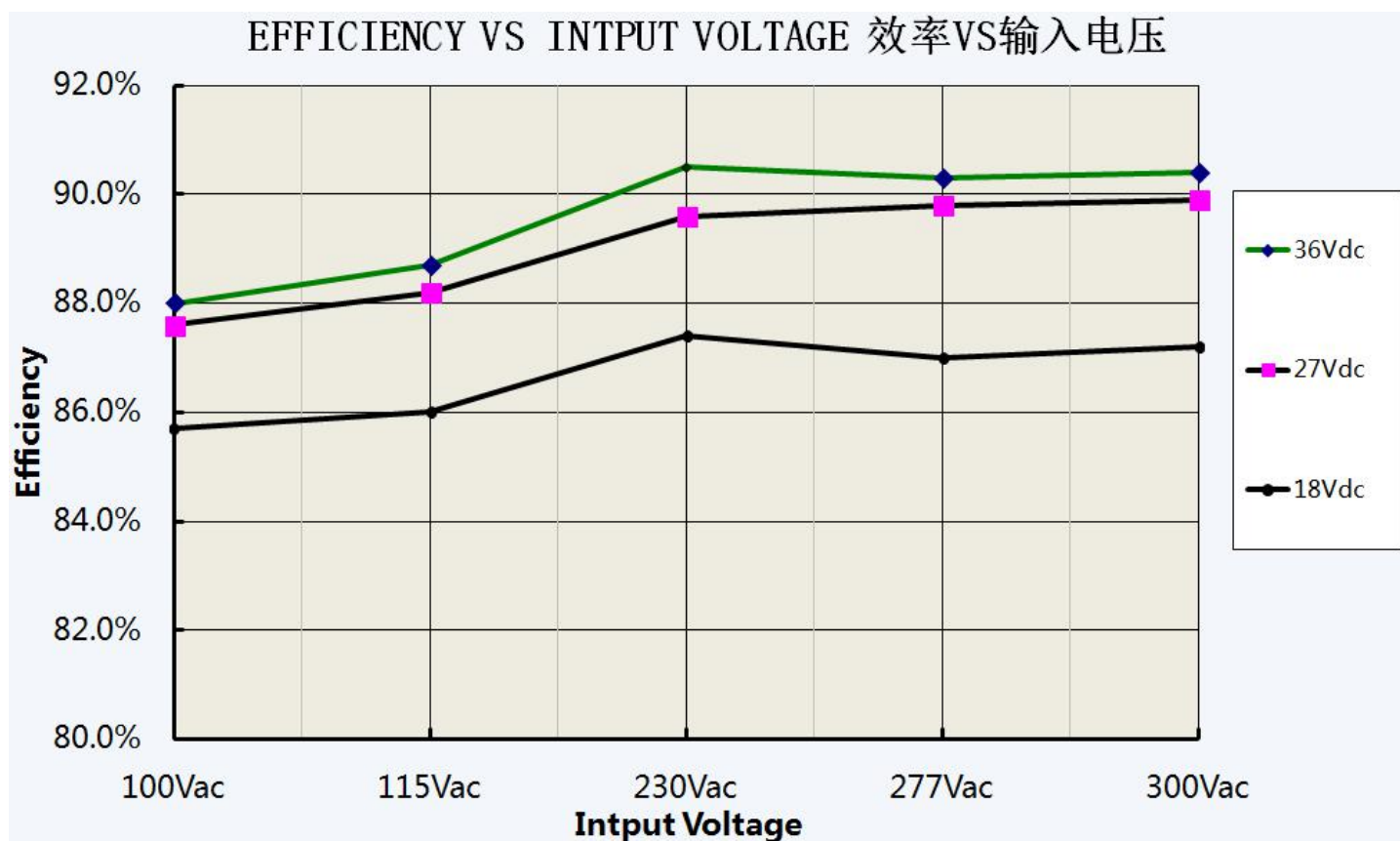
■ ENVIRONMENT 环境

WORKING TEMP. 工作温度	-25 ~ +40°C(Refer to "Derating Curve") -25 ~ +40°C (参考 减额曲线)
WORKING HUMIDITY 工作湿度	20 ~ 95% RH non-condensing 20 ~ 95% RH,无冷凝
STORAGE TEMP, HUMIDITY 储存温度、湿度	-25 ~ +75°C, 10 ~ 95% RH
VIBRATION 耐振动	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes 10 ~ 500Hz, 5G 12 分钟/周期, X、Y、Z 轴各 72 分钟
WITHSTAND VOLTAGE 耐压	I/P-O/P:1.5KVAC
ISOLATION RESISTANCE 绝缘阻抗	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH
MTBF	50K hrs min. MIL-HDBK-217F (25°C)

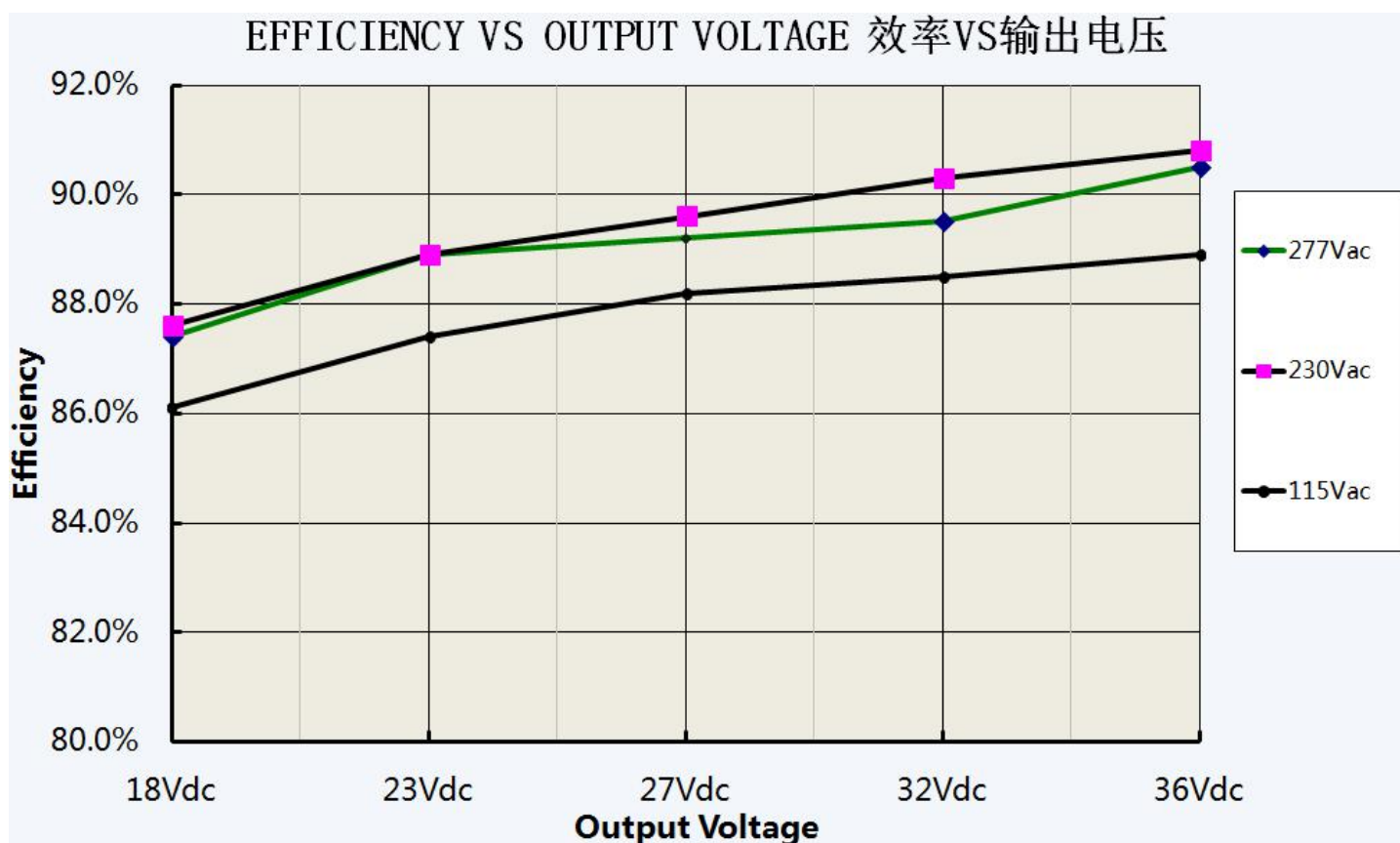
■ SAFETY & EMC 安全与电磁兼容

SUGER 浪涌	Differential Mode+/- 1 KV (2 ohm) . Class II (line to neutral) (IEC61000-4-5 2014) 浪涌等级为差模 L-N Class II +/- 1 KV (2 ohm) (IEC61000-4-5 2014)
LEAKAGE CURRENT 漏电流	/

■ EFFICIENCY VS INPUT VOLTAGE 效率 VS 输入电压 (型号:DL-50W1A5-L)

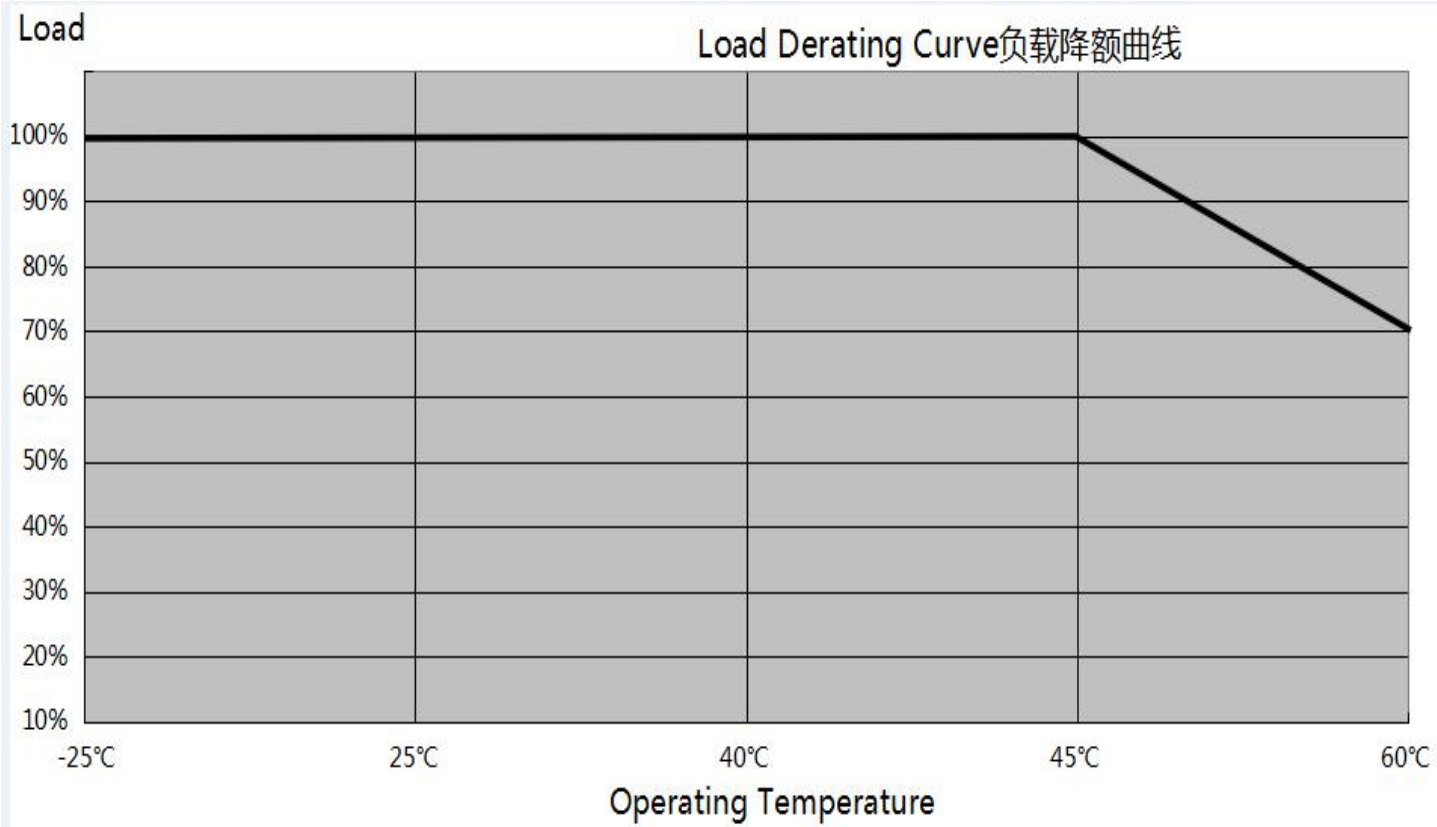


■ EFFICIENCY VS OUTPUT VOLTAGE 效率 VS 输出电压 (型号:DL-50W1A5-L)



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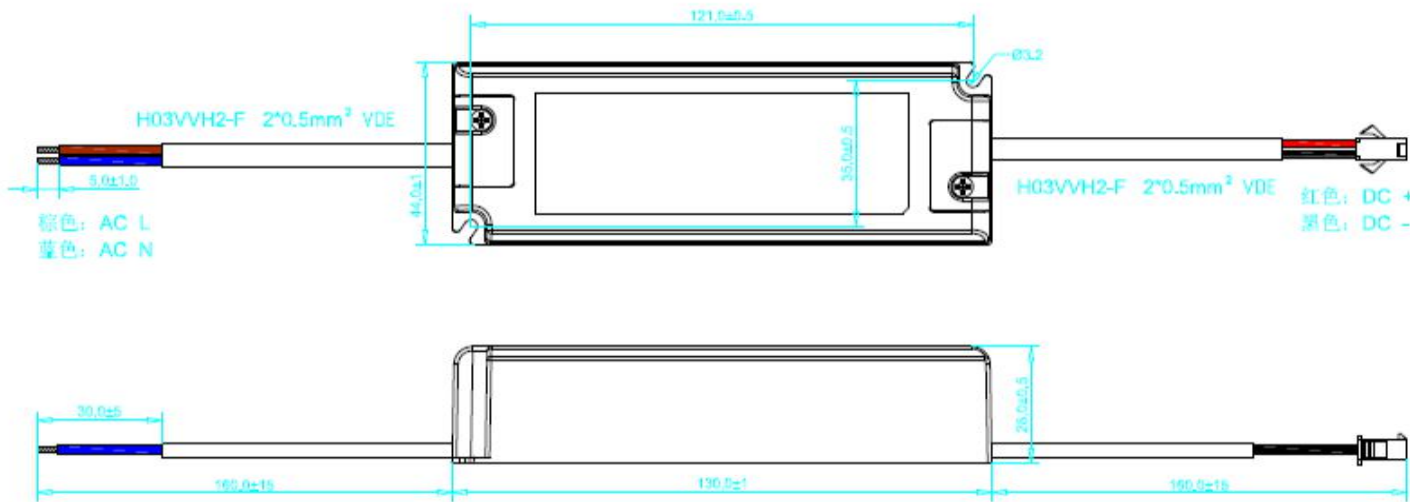
LOAD DERATING CURVE 降额曲线 (型号:DL-50W1A5-L)



MECHANICAL SPECIFICATION & PACKING 机械尺寸图 & 包装

DIMENSION 尺寸 (mm)	136.63*42*24
PACKING 包装	/

Case No.机壳型号 : L06 Unit 单位:mm

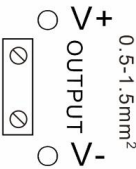
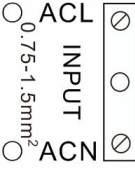
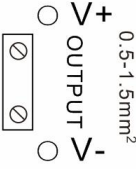
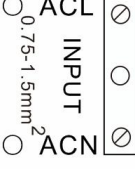
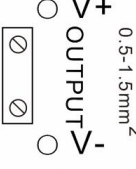
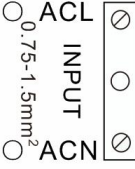
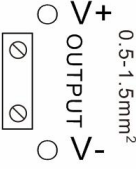


MONOMER WEIGHT 单体重量

MONOMER WEIGHT 单体重量	116g
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■ LABELLING 标签

DL-50W300-L	 MADE IN CHINA Ba DONE MODEL : DL-50W300-L Constant Current LED Driver Power Factor ≥ 0.5 INPUT:100-277V ~ 0.6A 50/60Hz OUTPUT:65-130V $\Rightarrow$ 0.3A P rated:39W $\dot{t}_c$ NO LOAD:DC 155V      ta:40°C tc:80°C MFRS:ZHONGSHAN DONE LIGHTING TECHNOLOGY CO.,LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China 
DL-50W600-L	 MADE IN CHINA Ba DONE MODEL : DL-50W600-L Constant Current LED Driver Power Factor ≥ 0.5 INPUT:100-277V ~ 0.8A 50/60Hz OUTPUT:43-86V $\Rightarrow$ 0.6A P rated:51.6W $\dot{t}_c$ NO LOAD:DC 99V      ta:40°C tc:80°C MFRS:ZHONGSHAN DONE LIGHTING TECHNOLOGY CO.,LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China SELV 
DL-50W900-L	 MADE IN CHINA Bf DONE MODEL : DL-50W900-L Constant Current LED Driver Power Factor ≥ 0.5 INPUT:100-277V ~ 0.7A 50/60Hz OUTPUT:24-48V $\Rightarrow$ 0.9A P rated:43.2W MAX.VOLTAGE:60V $\Rightarrow$ (NO LOAD) $\dot{t}_c$       R-41082295 MFRS:ZHONGSHAN DONE LIGHTING TECHNOLOGY CO.,LTD. ADDRESS:No.2 of Kanglong 3rd Road, Henglan Town, Zhongshan,Guangdong 528478 P.R.China ta:40°C tc:80°C SELV 
DL-50W1A05-L	 MADE IN CHINA Ba DONE MODEL : DL-50W1A05-L Constant Current LED Driver Power Factor ≥ 0.5 INPUT:100-277V ~ 0.8A 50/60Hz OUTPUT:21-42V $\Rightarrow$ 1.05A P rated:44.1W $\dot{t}_c$ NO LOAD:DC 50V      ta:40°C tc:80°C MFRS:ZHONGSHAN DONE LIGHTING TECHNOLOGY CO.,LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China SELV 

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DL-50W1A2-L	○ ACL ○ INPUT ○ ACN 0.75-1.5mm² MADE IN CHINA Ba DONE® MODEL : DL-50W1A2-L Constant Current LED Driver Power Factor ≥0.5 SELV INPUT:100-277V ~ 0.85A 50/60Hz OUTPUT:21-42V $\approx$ 1.2A P rated:50.4W _{tc} NO LOAD:DC 50V  ta:40℃ tc:80℃ MFRS:ZHONGSHAN DONE LIGHTING TECHNOLOGY CO.,LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China ○ V+ ○ OUTPUT ○ V- 0.5-1.5mm²
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