LED DRIVER DATASHEET

MORRIS **WeledPower**®

74141
Emergency LED Driver Series

Product Features

—Wide input voltage range AC100-277V, to meet the needs of the vast majority of the global grid.
—4 different current option, to meet the needs of different LED load.
—90 minutes emergency time, meet UL requirements to emergency lighting discharge time.
—Maintenance-free NI-CD batteries, no risk of fire and explosion.
—5 years warranty.

Protection

—Short-Circuit Protection
—Open-Circuit Protection
—Over-Load Protection

Attention

—In order to prevent electric shock, do not connect the emergency power supply battery connection terminal and AC power before installing.
—Before disassembling or servicing, disconnect the AC power and unplug the emergency power battery connection terminal.
—Emergency power supply and AC driver must be on the same circuit branch.
—Apply to 0-50 ℃ dry environment, please do not use in outdoor or humid environment.
—Do not near flammable gases or heat sources.

Ordering data

74141	24.5W	520 590 690 1050	24H	Ni-cd 14.4V 57.6WH	<5S	≥90min	2.48Kg±5%	370*72*71mm

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Model Number	74141			
Input Information				
Line Voltage (AC Operation)	100-277Vac			
Line Frequency	50/60Hz			
Line Current	≤0.12A			
Inrush Current	≤60A Per NEMA 410			
Charging time	24H			
battery	Ni-cd 14.4V 57.6WH			
Standby Power	≤6W			
Output Information				
Max Output Power	24.5W			
Output Voltage Range	18-24Vdc	24-36Vdc	36-42Vdc	42-48Vdc
Output Current Range	1050mA	690mA	590mA	520mA
Output Current Accuracy	±10%			
Response time	＜5S			
Emergency time	≥90min			
Indicator status	Fast flash: the battery is not connected before power on; often bright: normal charge.			
Protection				
Open Circuit Protection	Open Circuit Voltage Max. 75V			
Short Circuit Protection	Hiccup mode, auto recovery.			
Environment				
Operating Temperature/Humidity	-0℃ ～ +50℃/10%RH~80%RH			
Storage Temperature/Humidity	-25℃~85℃/5%RH~90%RH			
Safety and Regulation				
Certification	FCC，UL			
Withstand Voltage	I/P-O/P:3.75KVac,5mA,60S I/P-G:1.5KVac,5mA,60S			
Insulation Resistance	I/P-O/P:500Vac,＞100MΩ			
Surge Rating	Meet to IEC61000-4-5(L-N 3KV)			
EMC	Meet to EN61000-3-2,FCC Part15B			
Other				
Dimension and weight	WP-25U-48-EA：L*W*H 370*72*71mm，weight：2.48Kg			
IP Grade	IP20			

Remarks:

1.All the parameters are typical value under the environment temperature 25℃ and   full load.

2. LED Driver is just a part of luminaries. The luminaries' manufacturers have to re-confirm the EMC performance of the whole lamp, because it will be affected by the wiring of luminaries.
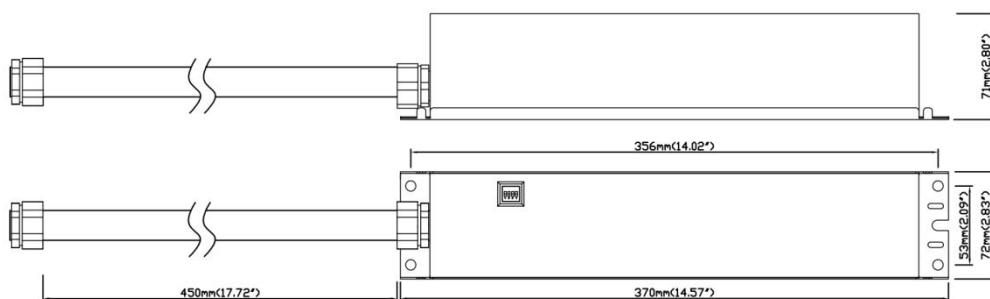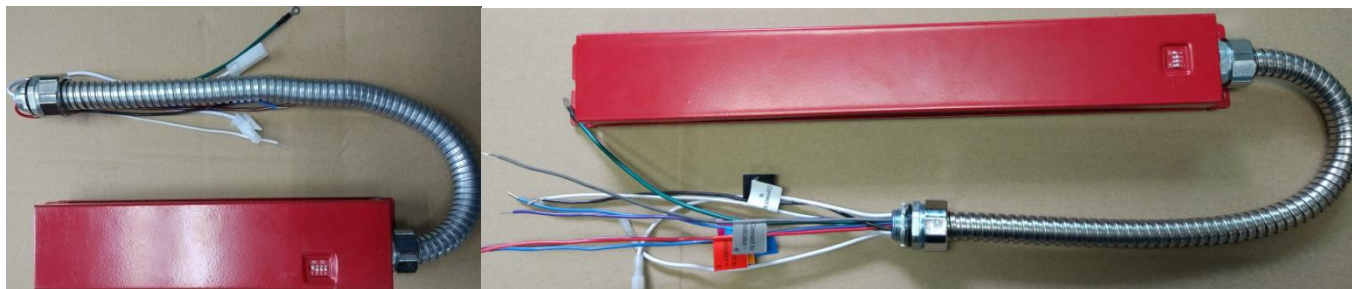
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Dimension Unit: mm

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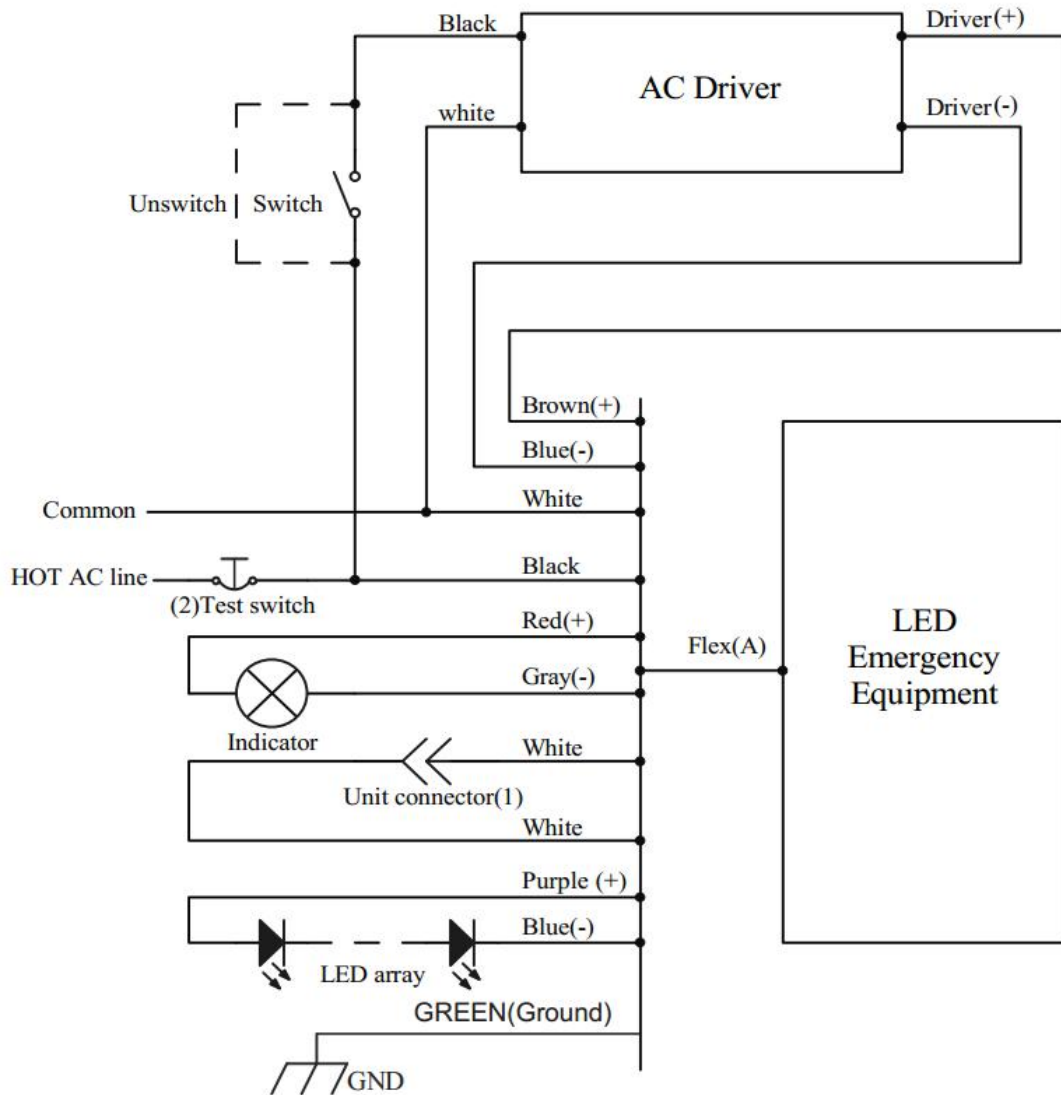page **5** of **8**   Version0.9

Typical wiring diagram

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Output Current	1	2	3	4
1050mA	ON	–	–	–
690mA	–	ON	–	–
590mA	–	–	ON	–
520mA	–	–	–	ON
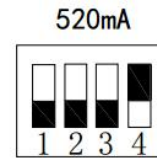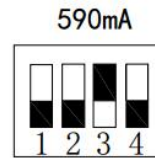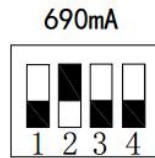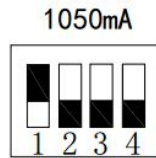
Lifespan & Warranty

- 50,000hours lifespan design.

- 5 Years warranty. For details, please refer to document WELEDPOWER LIMITED WARRANTY 2017

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Product Dimension: 14.57x2.83x2.80 inches ;370x72x71mm

Net Weight: 2.48Kg+/-5%

Carton Dimension: 19.29x13.46x8.74 inches; 490x342x222mm

Net Weight/Gross Weight: 9.92kgs/12.76kgs 4pcs/ctn