| Date | Notes | By |
|---|---|---|
| | | |

AC to DC Power Supply

**AC Source** 120 to 277 VAC

ESR

A

RJ45

(+) Vdc

(-) Vdc

B

Luminaire

PDnet

RJ45

Yel

Blu

RJ45

SDCnet

A

RJ45

GND

20 19 2 1

Black

Orange

In 1

Pinout Detail For provided Cable

0-10V DC Dimming

FUSE, L Switched, L Unswitched, N, L-OUT, N-OUT, GND, - LED Test Switch, + LED Test Switch, Dim out -, Dim out +, Dim in -, Dim in +, ON, Battery Switch

Lighting Inverter

During an EM event, normal power is lost and the lighting inverter provides EM power

Connect to a SmartDC Lighting programming input override “EM”

When the signal is shorted by the inverter’s 0-10 output, the lighting driver(s) goes to the appropriate pre-programmed EM light levels

| WIRE LEGEND | |
|---|---|
| A | CAT 5-E (CLASS 2) |
| B | 48-57 VDC, 18AWG (1PWR/1GND min.) |

Tols:
.x = 0.25"
.xx = 0.10"

| | |
|---|---|
| Revision | A2 |
| Drawn By | DVR |
| Date | 06/30/25 |
| Level | REL1 |
| Approved | |
| | No scale |

Smart™ DC Lighting
13450 EM 529 RD
HOUSTON, TX 77041

A

# UL 924 Emergency Lighting – SDCnet and 0-10V Dim