



EcoPlus and EcoSlim Drawings and Charts (24PS HLG)

Wiring Diagrams:

EL001199 - Without Dimmer

EL001200 - With Dimmer

EL001201 - Lutron Diva Dimmer with Multiple Power Systems

EL001202 - Lutron Lyneo Dimmer with Multiple Power Systems

For:

EP22 Series = EP22, EP22M, EP22G

EP24 Series = EP24, EP24M, EP24G

EP26 Series = EP26, EP26M, EP26G

EP34 Series = EP34, EP34M, EP34G

EP33 Series = EP33, EP33M, EP33G

EP36 Series = EP36, EP36M, EP36G

EP44 Series = EP44, EP44M, EP44G

ES22 Series = ES22, ES22M, ES22G

ES24 Series = ES24, ES24M, ES24G

ES26 Series = ES26, ES26M, ES26G

ES33 Series = ES33, ES33M, ES33G

ES34 Series = ES34, ES34M, ES34G

ES36 Series = ES36, ES36M, ES36G

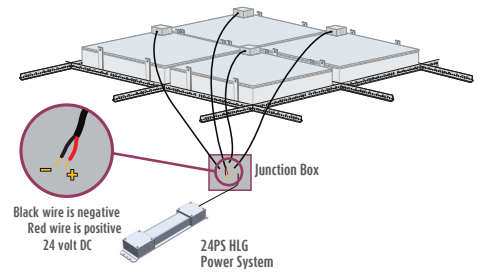
ES44 Series = ES44, ES44M, ES44G

Sky Factory 24PS HLG Power System Dimensions and Weights

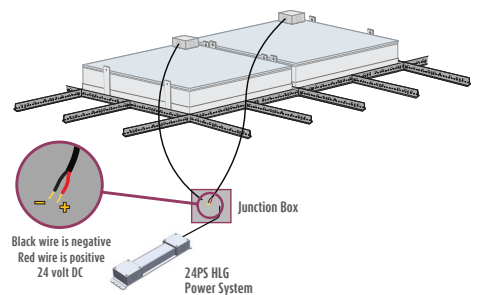
Wire Sizing Chart

For technical support at any time during the installation, please call us **toll free at 866-759-3228**.

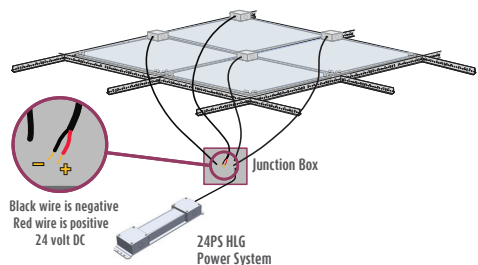
We want your installation to go as smoothly as possible. Thank you for choosing The Sky Factory.



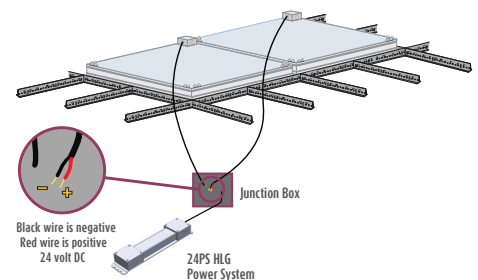
Standard w/ EcoPlus – EP22 & 24 Series



Revelation w/ EcoPlus – EP26,33,34,36 & 44 Series



Standard w/ EcoSlim – ES22 & 24 Series



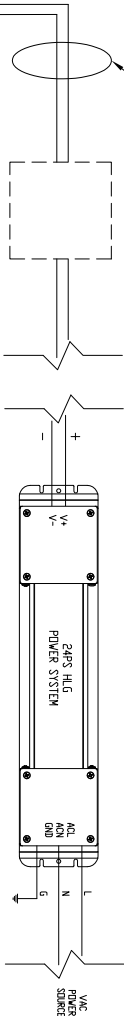
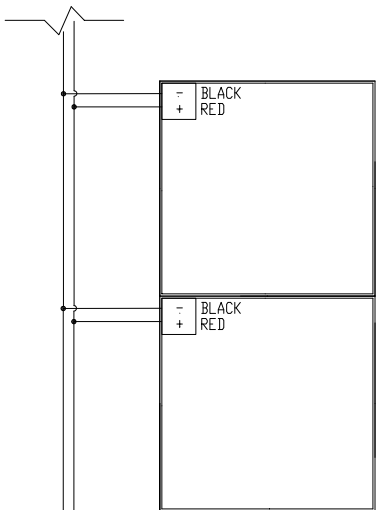
Revelation w/ EcoSlim – ES26,33,34,36 & 44 Series

EP AND ES SERIES FIXTURES
WITH 24PS HLG POWER SYSTEM
NON-DIMMING OPTION

ECODPLUS
EP22 SERIES, EP24 SERIES,
EP26 SERIES, EP33 SERIES,
EP34 SERIES, EP36 SERIES
AND EP44 SERIES

ECOSLIM
ES22 SERIES, ES24 SERIES,
ES26 SERIES, ES33 SERIES,
ES34 SERIES, ES36 SERIES
AND ES44 SERIES

10-16 AWG WIRE
AND JUNCTION BOXES
SUPPLIED BY OTHERS



- NOTES:
1. ALL FIXTURES 24V DC **===** ONLY.
 2. JUNCTION BOX ATTACHED TO EACH FIXTURE:
WIRE SIZE 18 AWG STRANDED
WIRE COLORS:
RED (+) (POSITIVE)
BLACK (-) (NEGATIVE)

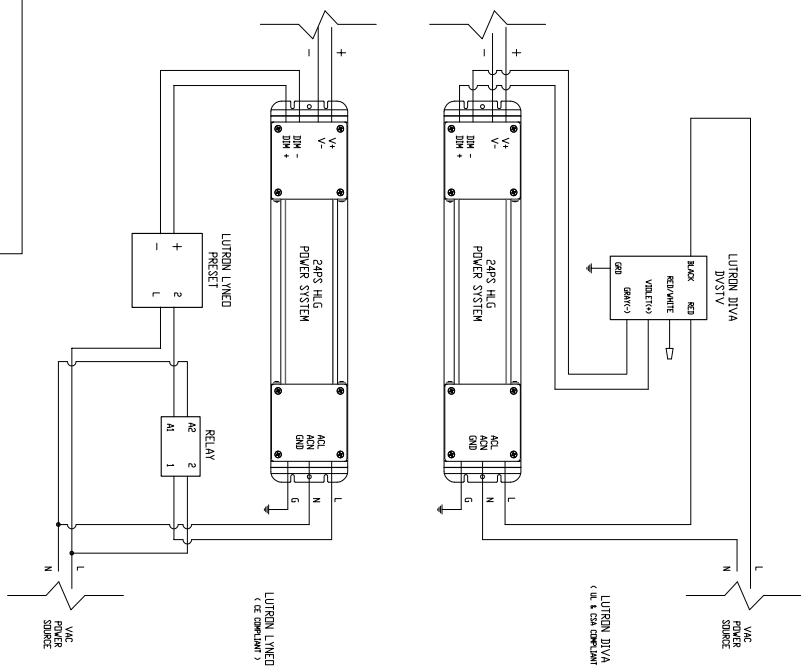
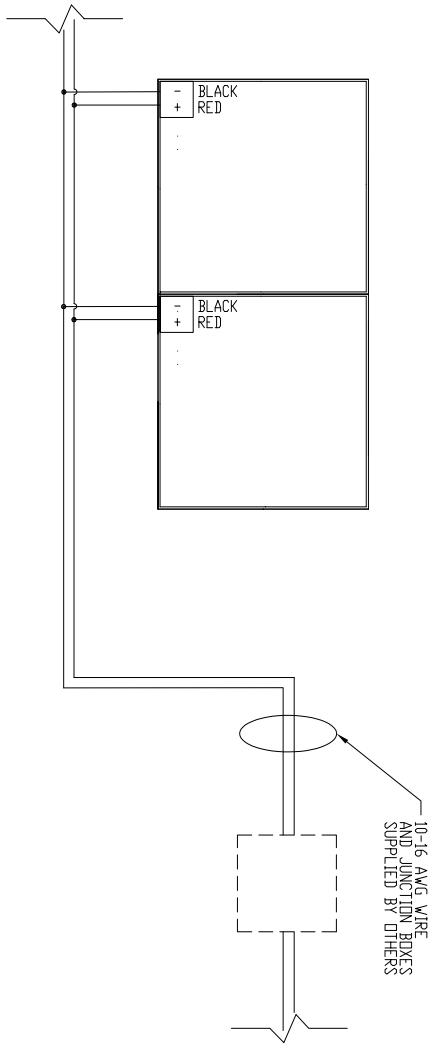
3. SEE ALSO NUMBER OF EPxx SERIES FIXTURES PER 24PS HLG POWER SYSTEM OR NUMBER OF ESxx SERIES FIXTURES PER 24PS HLG POWER SYSTEM AND WIRE SIZING CHART IN ELECTRICAL INSTRUCTIONS.
4. FOR MRI APPLICATIONS, ONE RF FILTER REQUIRED PER 24PS HLG POWER SYSTEM.

Sky Factory	
MANUFACTURED BY SKY FACTORY	DATE: 09/16/2016
PROJECT: 24PS HLG POWER SYSTEM	SCALE: 1/8" = 1'-0"
DESIGNED BY: [Signature]	CHECKED BY: [Signature]
DRAWN BY: [Signature]	DATE: 09/16/2016
NO. OF SHEETS: 10	SHEET NO.: 10

EP AND ES SERIES FIXTURES
WITH 24PS HLG POWER SYSTEM
DIMMING OPTION

ECOPULS
EP62 SERIES, EP64 SERIES,
EP62 SERIES, EP63 SERIES,
EP64 SERIES, EP66 SERIES
AND EP44 SERIES

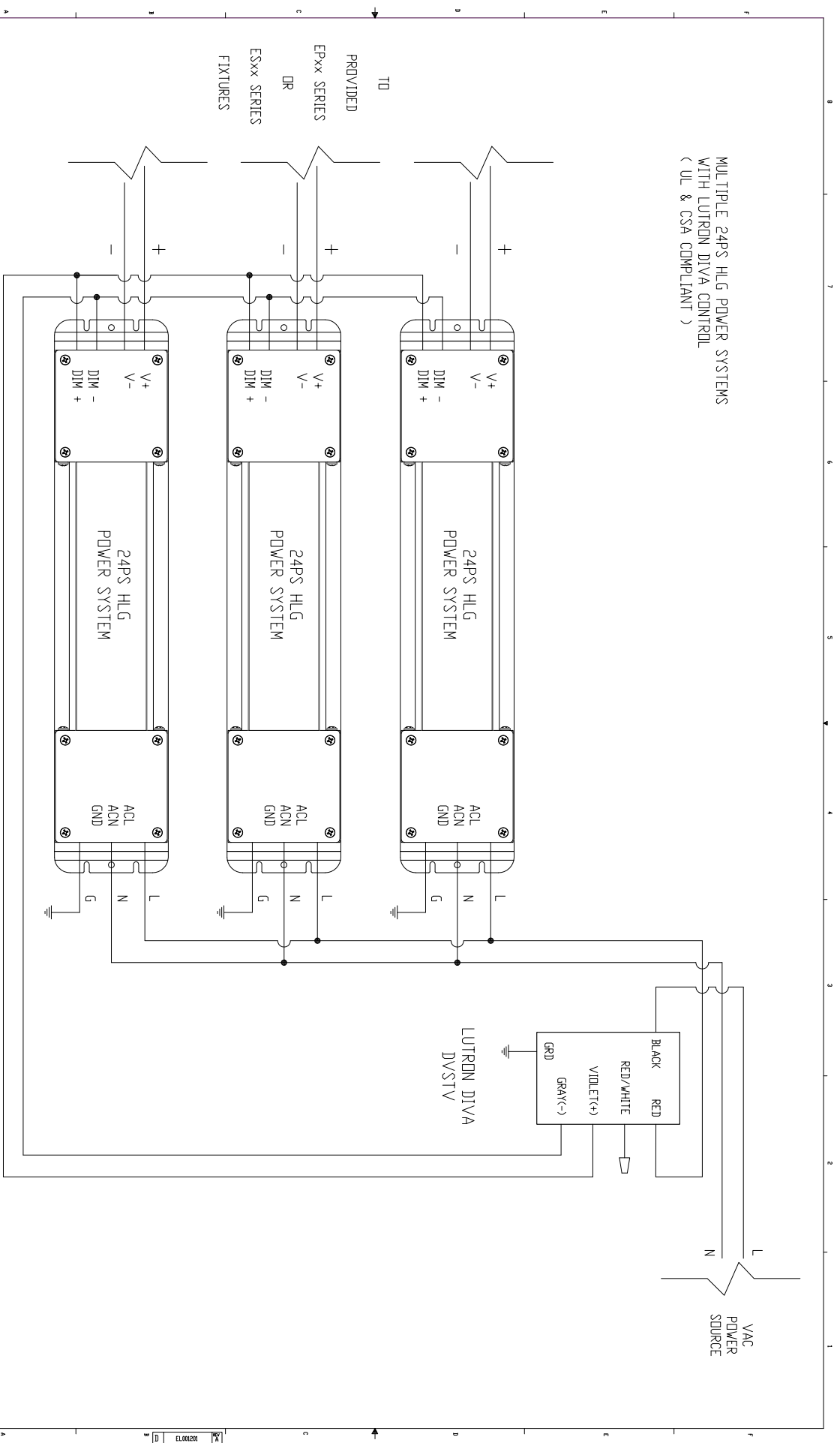
ECDSLM
ES22 SERIES, ES24 SERIES,
ES26 SERIES, ES33 SERIES,
ES34 SERIES, ES36 SERIES
AND ES44 SERIES



- NOTES:
1. ALL FIXTURES 24V DC ===== ONLY.
 2. JUNCTION BOX ATTACHED TO EACH FIXTURE.
 3. SEE ALSO NUMBER OF EPXX SERIES FIXTURES PER 24PS HLG POWER SYSTEM OR NUMBER OF EXXX SERIES FIXTURES PER 24PS HLG POWER SYSTEM AND WIRE SIZING CHART IN ELECTRICAL INSTRUCTIONS.
 4. FOR MRI APPLICATIONS, ONE RF FILTER REQUIRED PER 24PS HLG POWER SYSTEM.
- WIRE COLORS:
- RED (+) (POSITIVE)
- BLACK (-) (NEGATIVE)

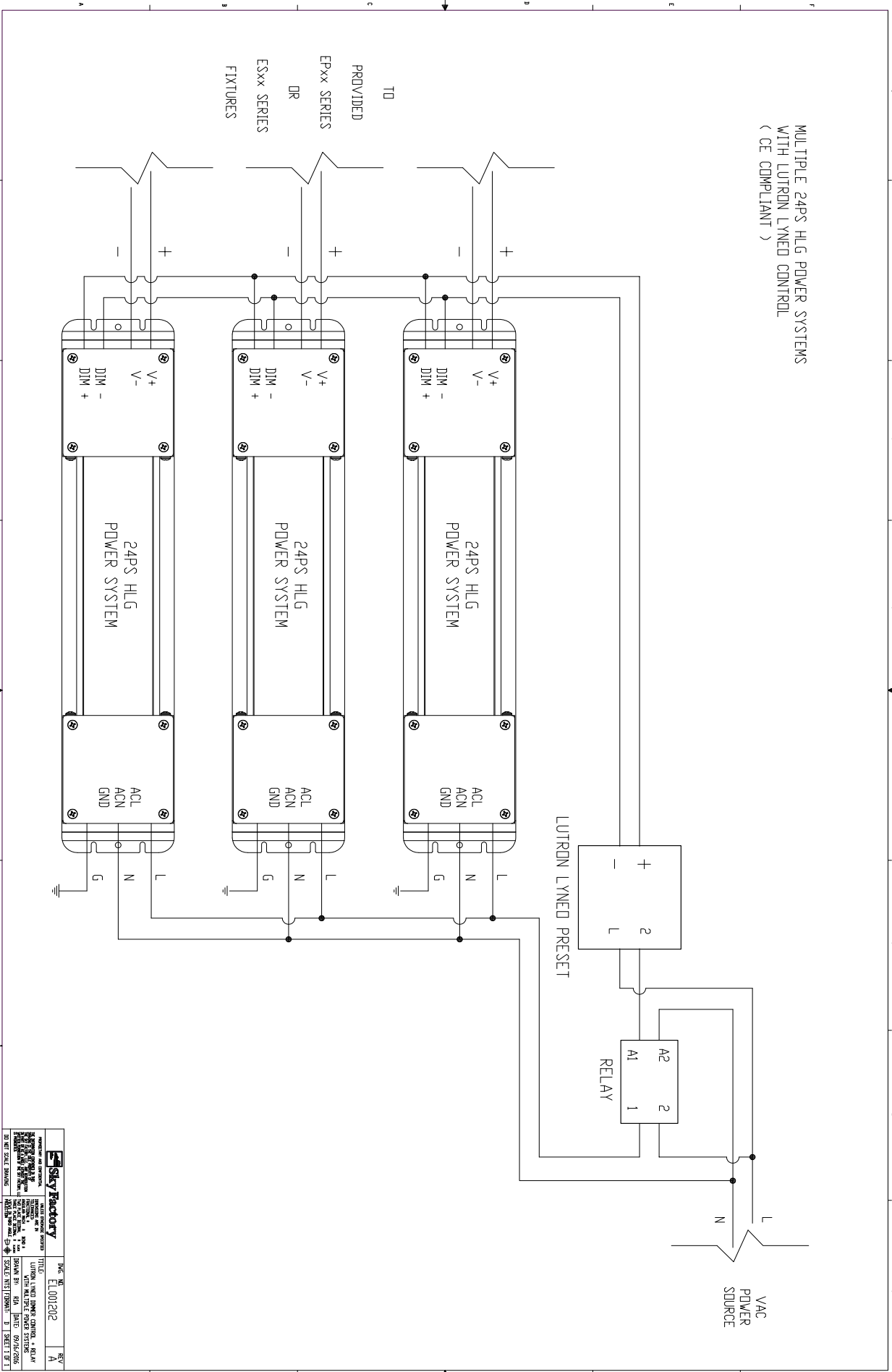
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MULTIPLE 24PS HLG POWER SYSTEMS
WITH LUTRON DIVA CONTROL
(UL & CSA COMPLIANT)



SLY Factory		Doc No.	EL001201	Rev	A
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REVISION 1		DATE	09/16/2016	BY	
REVISION 2		DATE	09/16/2016	BY	
REVISION 3		DATE	09/16/2016	BY	
REVISION 4		DATE	09/16/2016	BY	
REVISION 5		DATE	09/16/2016	BY	
REVISION 6		DATE	09/16/2016	BY	
REVISION 7		DATE	09/16/2016	BY	
REVISION 8		DATE	09/16/2016	BY	
REVISION 9		DATE	09/16/2016	BY	
REVISION 10		DATE	09/16/2016	BY	
REVISION 11		DATE	09/16/2016	BY	
REVISION 12		DATE	09/16/2016	BY	
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MULTIPLE 24PS HLG POWER SYSTEMS
WITH LUTRON LYNEO CONTROL
(CE COMPLIANT)

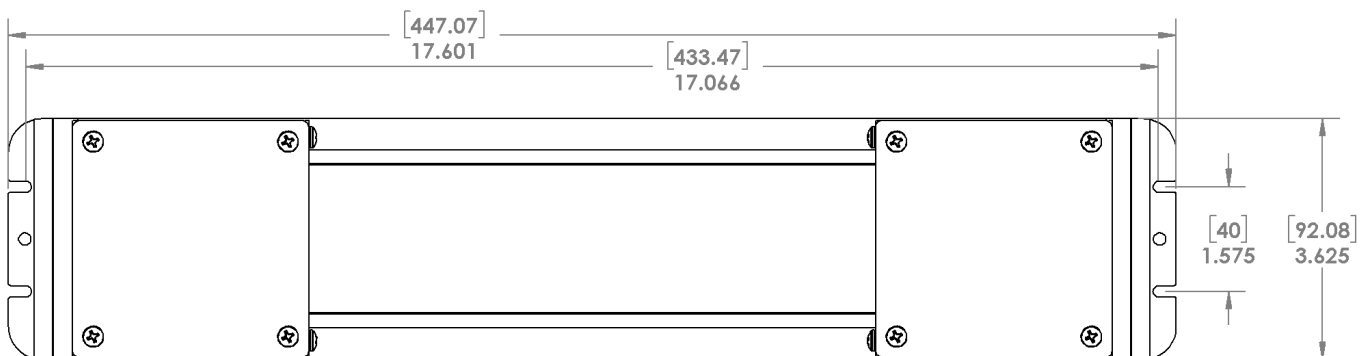


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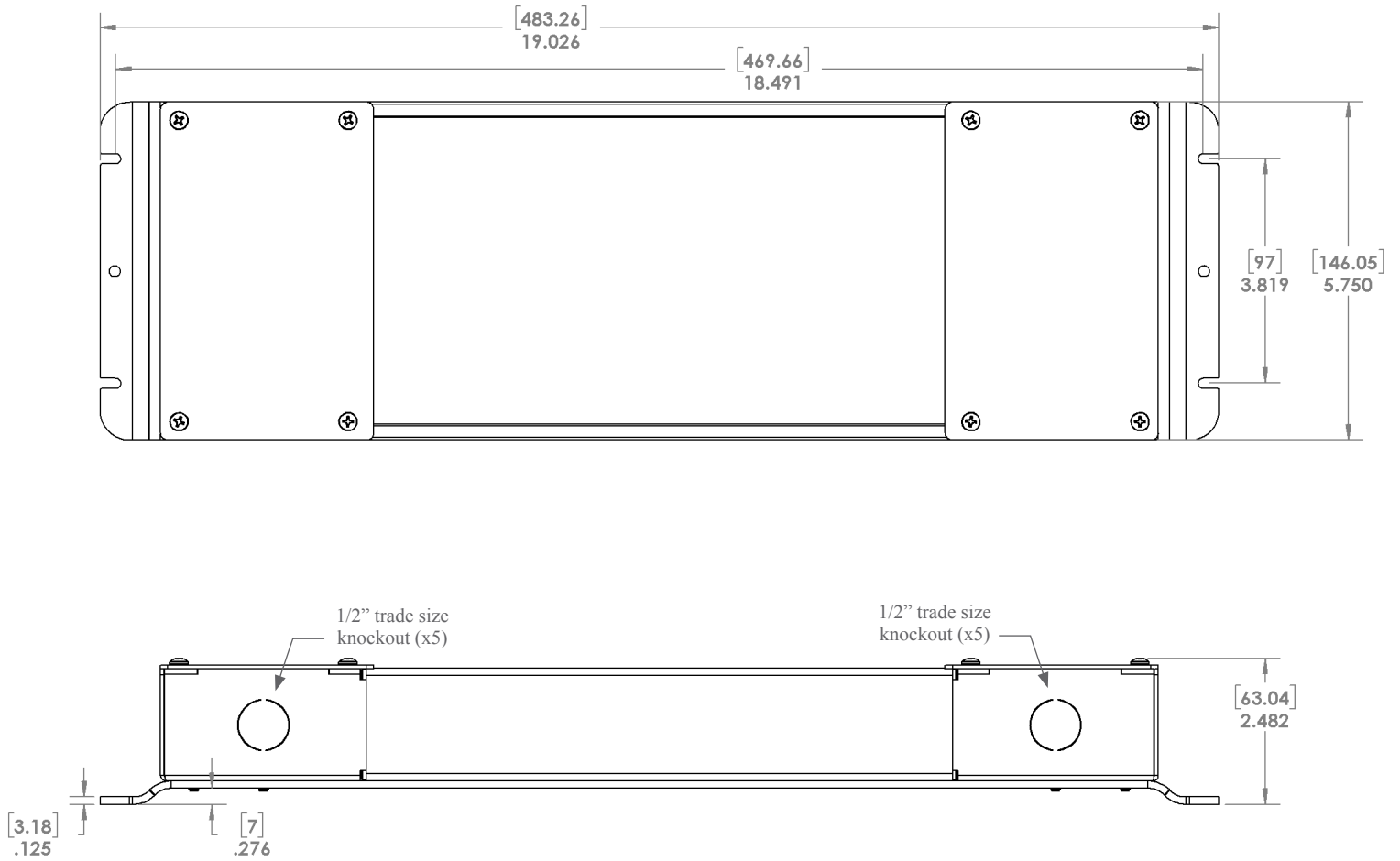
Sky Factory 24PS HLG Power System Dimensions and Weights:

DIMENSIONS AND WEIGHTS				
	LENGTH	WIDTH	HEIGHT	WEIGHT
40 WATT 60 WATT	17.6 IN	3.7 IN	2.4 IN	3 LBS
	45 CM	9.4 CM	6.1 CM	1.4 KG
80 WATT	13.5 IN	2.8 IN	1.6 IN	4 LBS
	35 CM	7.2 CM	4.1 CM	1.8 KG
100 WATT 120 WATT 150 WATT 185 WATT 240 WATT	17.6 IN	3.7 IN	2.4 IN	4 LBS
	45 CM	9.4 CM	6.1 CM	1.8 KG
320 WATT	17.6 IN	3.7 IN	2.4 IN	6 LBS
	45 CM	9.4 CM	6.1 CM	2.7 KG
600 WATT	19.1 IN	5.8 IN	2.5 IN	11 LBS
	45 CM	9.4 CM	6.1 CM	5.0 KG

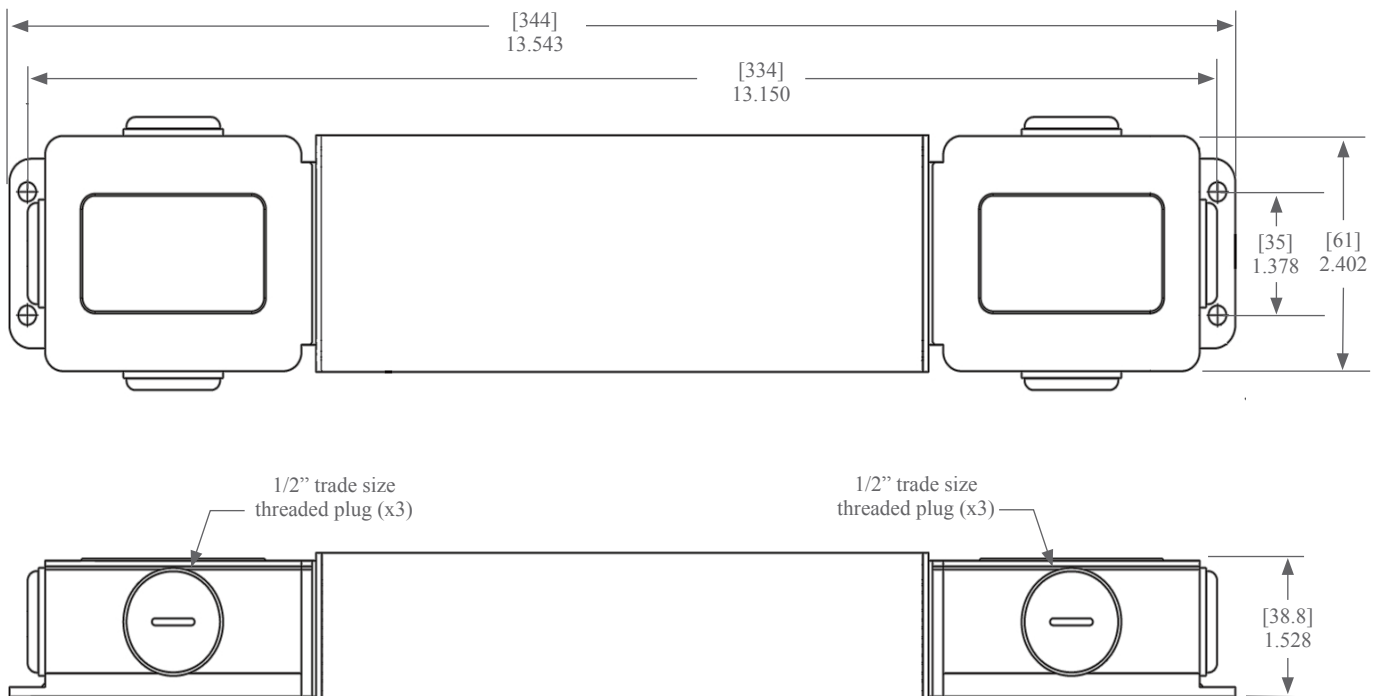
Mounting dimensions: 40w, 60w, 100w, 120w, 150w, 185w, 240w, 320w 24PS HLG Power Systems



Mounting dimensions: 600W 24PS HLG Power System



Mounting dimensions: 80W 24PS HLG Power System



Wire Sizing Chart

This chart is a guideline for recommended wiring practice.

Applies to 24V DC power only, i.e. from “fixture to power system.”

Not meant for “V AC to power system” nor “dimmer to power system.”

Wire sizes in AWG Conversion chart below.

Distance: Feet (Meters)	AWG for 5A	AWG for 10A	AWG for 15A
20 (6)	18	14	12
30 (9)	16	12	10
40 (12)	14	10	10
50 (15)	12	10	*
60 (18)	12	10	*
80 (24)	10	*	*
100 (30)	10	*	*
* Terminal block wire range #10 - #22 Awg.			

AWG	MM
10	6.271
11	5.156
12	3.302
13	2.629
14	2.088
15	1.652
16	1.308
17	1.039
18	0.823