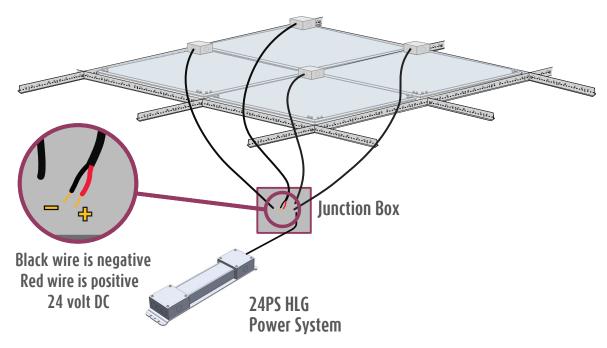
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# Standard w/ EcoPlus Electrical Instructions (24PS HLG)



#### **Installation Packet Includes:**

Standard w/ EcoPlus Electrical Instructions (24PS HLG)

Number of EP22 Series Fixtures per 24PS HLG Power System Number of EP24 Series Fixtures per 24PS HLG Power System Custom SkyCeiling wiring diagram (where applicable)

EcoPlus and EcoSlim Drawings and Charts (24PS HLG)

Wiring Diagrams EL001199, EL001200, EL001201, EL001202 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 electrical requirements:**

EP22 Series: EP22 (2' x 2'), EP22M (60cm x 60cm), EP22G (62.5cm x 62.5cm) EP24 Series: EP24 (2' x 4'), EP24M (60cm x 120cm), EP24G (62.5cm x 125cm NOTE: For custom sizes, see Custom SkyCeiling wiring diagram (where applicable)

All EcoPlus fixtures are 24V DC only.

EcoPlus fixtures must be mounted in dry locations only.

EcoPlus fixtures must be powered by provided UL, CSA and CE Compliant 24PS HLG Power System

#### **Sky Factory 24PS HLG Power System:**

Input (Typ): 90-305V, 47 - 63 Hz

Output: 24V DC

Maximum Watts (useable) per power system: 600 Watts

Available sizes: 40W, 60W, 80W, 100W, 120W, 150W, 185W, 240W, 320W, 600W

Up to three power systems per dimmer

Power System aluminum enclosure

Mounted on baseplate with junction box on input and output ends

For mounting dimensions and weights, see "EcoPlus and EcoSlim Drawings and Charts (24PS HLG)"

AC input and dimmer wire sizes: 18 AWG

DC output wire sizes: 18 AWG on 40-80W, 14 AWG on 100-600W

Power system must have 2" clearance for air flow. Wall mount recommended.

Power system must be mounted in dry locations.

Power system is specified for Sky Factory EcoSlim and EcoPlus fixtures only.

### For number of fixtures per power system, see

Number of EPxx Series Fixtures per 24PS HLG Power System on pages 6-7

### For EcoPlus with 24PS HLG Power System wiring diagrams, see

"EcoPlus and EcoSlim Drawings and Charts (24PS HLG)"  $\,$ 

#### For installations with one or more custom sizes, see also

Custom SkyCeiling wiring diagram attached (where applicable)

RF filter, if used, is <u>not</u> provided by the Sky Factory. One filter per power system required.

### **Standard w/ EcoPlus electrical requirements (cont'd):**

Sky Factory provided dimmer control (where specified):

Lutron Diva DVSTV 0 - 10V sliding dimmer/switch (UL & CSA compliant)

Input: auto-ranging 120 - 277V AC

Mounts in standard single-gang electrical box

White standard, other colors available on request

Lutron Lyneo preset 0 - 10V sliding dimmer/switch and external relay (CE compliant)

Input: 220 - 240V AC

Mounts in standard UK style single gang backbox. 35mm depth recommended.

For dimming requirements, see page 5.

For dimmer wiring diagrams, see dimmer control (and relay where specified) and "EcoPlus and EcoSlim Drawings and Charts (24PS HLG)".

Electrical work must be performed by a qualified electrician who is familiar with DC lighting systems and must conform to all local and national codes.

#### **Non-Dimmable and Dimmable Certification:**

ES22 Series, ES24 Series, ES26 Series, ES33 Series, ES34 Series, ES36 Series, ES44 Series, EP22 Series, EP24 Series, EP26 Series, EP33 Series, EP34 Series, EP36 Series, EP44 Series fixtures when used with 24PS HLG Power System UL, CSA and CE Listed by Intertek Group plc

## Step 1: Wiring the EcoPlus fixtures to the power supply

See also "EcoPlus and EcoSlim Drawings and Charts (24PS HLG)" and Custom SkyCeiling wiring diagram (where applicable)

EcoPlus Lighting System - EP22 and EP24 Series								
			System Wattage	Input Current				
TSF Model No.	Dimensions: WxLxH	Weight	(Max)	@ 24 Volts DC				
EP22	23.75 x 23.75 x 5.85 (inches)	7.1 lb	23	0.96 A				
EP24	23.75 x 47.75 x 5.85 (inches)	11.7 lb	47	1.96A				
EP22M	59.4 x 59.4 x 14.86 (cm)	3.22 kg	23	0.96 A				
EP24M	59.4 x 119.4 x 14.86 (cm)	5.31 kg	47	1.96A				
EP22G	61.9 x 61.9 x 14.86 (cm)	3.22 kg	23	0.96 A				
EP24G	61.9 x 124.4 x 14.86 (cm)	5.31 kg	47	1.96A				

NOTE: For custom sizes, see also Custom SkyCeiling wiring diagram



**Notice:** The LED fixtures are 24V DC ONLY.

AC voltage connected directly to the fixtures will destroy the lighting system.

Fixtures may be arranged in rows or clusters, depending on the installation.

A junction box with 1/2" trade size knock-outs is attached on top corner of each fixture.

- Power leads inside fixture junction box are <u>polarized</u>, red (+) to (+) and black (-) to (-).
- Fixture wire size 18 AWG stranded.

Wiring from fixtures to V DC side of provided power system is <u>polarized</u>, <u>positive</u> (+) to <u>positive</u> (+) and <u>negative</u> (-):

EcoPlus fixture red "+" to power system V+ (RED)

EcoPlus fixture black "—" to power system **V**— (**BLACK**)

Power system V DC wire size 18 aWG on 40-80w, 14 aWG on 100-600w

Wire and additional junction boxes from fixtures to power supply provided by others.

Voltage drop will occur over long distances. For appropriate lengths and gauges, see Wire Sizing Chart in "EcoPlus and EcoSlim Drawings and Charts (24PS HLG)"

Wire gauge must conform to local and national codes.

#### Step 2: Wiring the power system to source V AC

Run power to V AC side of the power system. Power system V AC wire size 18 AWG.

Line to ACL (BROWN)

Neutral to ACN (BLUE)

Ground to (GREEN/YELLOW)

Wire gauge must conform to local and national codes.

Install the power switch on the V AC input side of the power system.

### **Step 3: Dimming requirements**

Contact the Sky Factory if you plan on using a dimming system provided by others.



Notice: Dimming using non-approved systems may permanently damage LED's and will void the warranty!

### Wiring a Sky Factory provided dimmer control:

To wire the 0-10V dimmer control (and external relay where specified), refer to wiring diagram included with dimmer and relay and "EcoPlus and EcoSlim Drawings and Charts (24PS HLG)".

## **Step 4: Checking the polarity**



**Notice:** CHECK THE POLARITY <u>BEFORE TURNING ON POWER</u>. MAKE SURE:

Red wires on the fixtures go to the "+" terminals of the power supply Black wires on the fixtures go to the "-" terminals of the power supply

IF THE SYSTEM IS WIRED BACKWARD, IT WILL DESTROY THE LED'S!

# Number of EP22 Series Fixtures per 24PS HLG Power System

This table provides information for properly sizing a 24PS HLG power system given the number of fixtures in a given installation.

No. of Fixtures	given the number of fixtures in a given histaliation.						
Table   Tabl	No. of	Amperage	Power	24PS HLG Power System:	Fixtures per Power System		
2 1.92 46.1 60 2 per 60 3 2.88 69.1 80 3 per 80 4 3.84 92.2 120 4 per 120 5 4.8 115.2 150 5 per 150 6 5.76 138.2 150 6 per 150 7 6.72 161.3 185 7 per 185 8 7.68 184.3 240 8 per 240 9 8.64 207.4 240 9 per 240 10 9.6 230.4 240 10 per 240 11 10.56 253.4 320 11 per 320 12 11.52 276.5 320 12 per 320 13 12.48 299.5 320 13 per 320 14 13.44 322.6 185+185 7 per 185 15 14.4 345.6 185+185 7 per 185 16 15.36 368.6 240+240 8 per 240 17 16.32 391.7 Contact Sky Factory Contact Sky Factory 18 17.28 414.7 240+240 9 per 240 19 18.24 437.8 Contact Sky Factory Contact Sky Factory 20 19.2 460.8 600 20 per 600 21 20.16 483.8 600 21 per 600 22 21.12 506.9 600 22 per 600 23 22.08 529.9 600 22 per 600 24 23.04 553.0 600 22 per 600 25 24 576.0 600 25 per 600 26 24.96 599.0 320+320 13 per 320 27 25.92 622.1 240+240-240 9 per 240 28 26.88 645.1 240+600 8 per 240, 20 per 600 25 27 25.92 622.1 240+240+240 9 per 240 28 26.88 645.1 240+600 8 per 240, 20 per 600 29 27.84 668.2 Contact Sky Factory Contact Sky Factory 30 32.8 691.2 150+150+600 5 per 150, 20 per 600 31 29.76 714.2 Contact Sky Factory Contact Sky Factory 31 31.68 760.3 150+240+600 5 per 150, 20 per 600 32 32.64 783.4 Contact Sky Factory Contact Sky Factory 33 31.68 760.3 150+240+600 5 per 150, 20 per 600 34 32.64 783.4 Contact Sky Factory Contact Sky Factory 35 33.6 806.4 240+600 5 per 150, 20 per 600 36 34.56 829.4 320+320 12 per 320 37 35.52 85.5 Contact Sky Factory Contact Sky Factory 38 36.48 875.5 Contact Sky Factory Contact Sky Factory 39 37.44 888.6 320+320+320 12 per 320 30 37.44 888.6 320+320+320 12 per 320 30 37.44 888.6 320+320+320 12 per 320 30 37.44 888.6 320+320+320 13 per 320 30 37.44 888.6 320+320+320 13 per 320 31 31 68 36.48 875.5 Contact Sky Factory Contact Sky Factory 39 37.44 888.6 320+320+320 13 per 320 30 30 30 30 30 30 30 30 30 30 30 30 30 3	Fixtures	[A]	[W]	24V DC	Tixtules per rower system		
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18       17.28       414.7       240+240       9 per 240         19       18.24       437.8       Contact Sky Factory       Contact Sky Factory         20       19.2       460.8       600       20 per 600         21       20.16       483.8       600       21 per 600         22       21.12       506.9       600       22 per 600         23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33	16	15.36	368.6	240+240	8 per 240		
19       18.24       437.8       Contact Sky Factory       Contact Sky Factory         20       19.2       460.8       600       20 per 600         21       20.16       483.8       600       21 per 600         22       21.12       506.9       600       22 per 600         23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600	17	16.32	391.7	Contact Sky Factory	Contact Sky Factory		
20       19.2       460.8       600       20 per 600         21       20.16       483.8       600       21 per 600         22       21.12       506.9       600       22 per 600         23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory	18	17.28	414.7	240+240	9 per 240		
21       20.16       483.8       600       21 per 600         22       21.12       506.9       600       22 per 600         23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600 <td>19</td> <td>18.24</td> <td>437.8</td> <td>Contact Sky Factory</td> <td>Contact Sky Factory</td>	19	18.24	437.8	Contact Sky Factory	Contact Sky Factory		
22       21.12       506.9       600       22 per 600         23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per	20	19.2	460.8	600	20 per 600		
23       22.08       529.9       600       23 per 600         24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory	21	20.16	483.8	600	21 per 600		
24       23.04       553.0       600       24 per 600         25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5	22	21.12	506.9	600	22 per 600		
25       24       576.0       600       25 per 600         26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44	23	22.08	529.9	600	23 per 600		
26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4 </td <td>24</td> <td>23.04</td> <td>553.0</td> <td>600</td> <td>24 per 600</td>	24	23.04	553.0	600	24 per 600		
26       24.96       599.0       320+320       13 per 320         27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4 </td <td>25</td> <td>24</td> <td>576.0</td> <td>600</td> <td>25 per 600</td>	25	24	576.0	600	25 per 600		
27       25.92       622.1       240+240+240       9 per 240         28       26.88       645.1       240+600       8 per 240, 20 per 600         29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600	26	24.96	599.0	320+320	13 per 320		
29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600	27	25.92	622.1	240+240+240	9 per 240		
29       27.84       668.2       Contact Sky Factory       Contact Sky Factory         30       28.8       691.2       150+150+600       5 per 150, 20 per 600         31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600	28	26.88	645.1	240+600	8 per 240, 20 per 600		
31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600	29	27.84	668.2	Contact Sky Factory	Contact Sky Factory		
31       29.76       714.2       Contact Sky Factory       Contact Sky Factory         32       30.72       737.3       Contact Sky Factory       Contact Sky Factory         33       31.68       760.3       150+240+600       5 per 150, 8 per 240, 20 per 600         34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600	30	28.8	691.2	150+150+600	5 per 150, 20 per 600		
32 30.72 737.3 Contact Sky Factory Contact Sky Factory 33 31.68 760.3 150+240+600 5 per 150, 8 per 240, 20 per 600 34 32.64 783.4 Contact Sky Factory Contact Sky Factory 35 33.6 806.4 240+600 10 per 240, 25 per 600 36 34.56 829.4 320+320+320 12 per 320 37 35.52 852.5 Contact Sky Factory Contact Sky Factory 38 36.48 875.5 Contact Sky Factory Contact Sky Factory 39 37.44 898.6 320+320+320 13 per 320 40 38.4 921.6 600+600 20 per 600	31	29.76	714.2	Contact Sky Factory	·		
33 31.68 760.3 150+240+600 5 per 150, 8 per 240, 20 per 600 34 32.64 783.4 Contact Sky Factory Contact Sky Factory 35 33.6 806.4 240+600 10 per 240, 25 per 600 36 34.56 829.4 320+320+320 12 per 320 37 35.52 852.5 Contact Sky Factory Contact Sky Factory 38 36.48 875.5 Contact Sky Factory Contact Sky Factory 39 37.44 898.6 320+320+320 13 per 320 40 38.4 921.6 600+600 20 per 600				, ,	·		
34       32.64       783.4       Contact Sky Factory       Contact Sky Factory         35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600				, ,	·		
35       33.6       806.4       240+600       10 per 240, 25 per 600         36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600					·		
36       34.56       829.4       320+320+320       12 per 320         37       35.52       852.5       Contact Sky Factory       Contact Sky Factory         38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600				, ,	·		
37 35.52 852.5 Contact Sky Factory Contact Sky Factory 38 36.48 875.5 Contact Sky Factory Contact Sky Factory 39 37.44 898.6 320+320+320 13 per 320 40 38.4 921.6 600+600 20 per 600					· · · · · · · · · · · · · · · · · · ·		
38       36.48       875.5       Contact Sky Factory       Contact Sky Factory         39       37.44       898.6       320+320+320       13 per 320         40       38.4       921.6       600+600       20 per 600					•		
39 37.44 898.6 320+320+320 13 per 320 40 38.4 921.6 600+600 20 per 600				, ,	·		
40 38.4 921.6 600+600 20 per 600				, ,	·		
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# Number of EP24 Series Fixtures per 24PS HLG Power System

This table provides information for properly sizing a 24PS HLG power system given the number of fixtures in a given installation.

No. of Fixtures			· ·	ŭ			
Tixtures	No. of	Amperage	Power	24PS HLG Power System:	Eistungs non Bosson Cystom		
2 3.92 94.1 120 2 per 120 3 5.88 141.1 185 3 per 185 4 7.84 188.2 240 4 per 240 5 9.8 235.2 320 1 per 320 6 11.76 282.2 320 6 per 320 7 13.72 329.3 185+240 2 per 185, 4 per 240 8 15.68 376.3 240+240 4 per 240 9 17.64 423.4 185+185+185 3 per 185 10 19.6 470.4 600 10 per 600 11 21.56 517.4 600 11 per 600 12 23.52 564.5 320+320 6 per 320 13 25.48 611.5 Contact Sky Factory Contact Sky Factory 14 27.44 658.6 240+600 4 per 240, 10 per 600 15 29.4 705.6 320+320 5 per 320 16 31.36 752.6 Contact Sky Factory Contact Sky Factory 17 33.32 799.7 Contact Sky Factory Contact Sky Factory 18 35.28 846.7 320+320 6 per 320 19 37.24 893.8 Contact Sky Factory Contact Sky Factory 20 39.2 940.8 60+600 10 per 600 21 41.16 987.8 60+600 1 per 600 22 43.12 1034.9 120+600+600 2 per 120, 10 per 600 23 45.08 1081.9 Contact Sky Factory Contact Sky Factory 24 47.04 1129.0 240+600+600 2 per 120, 10 per 600 25 49 1176.0 Contact Sky Factory Contact Sky Factory 26 50.96 1223.0 Contact Sky Factory Contact Sky Factory 27 52.92 1270.1 Contact Sky Factory Contact Sky Factory 28 54.88 1317.1 Contact Sky Factory Contact Sky Factory 29 56.84 1364.2 Contact Sky Factory Contact Sky Factory 30 58.8 1411.2 600+600+600 10 per 600 31 60.76 1458.2 Contact Sky Factory Contact Sky Factory 32 62.72 1505.3 Contact Sky Factory Contact Sky Factory	Fixtures	[A]	[W]	24V DC	Fixtures per Fower System		
3         5.88         141.1         185         3 per 185           4         7.84         188.2         240         4 per 240           5         9.8         235.2         320         1 per 320           6         11.76         282.2         320         6 per 320           7         13.72         329.3         185+240         2 per 185, 4 per 240           8         15.68         376.3         240+240         4 per 240           9         17.64         423.4         185+185+185         3 per 185           10         19.6         470.4         600         10 per 600           11         21.56         517.4         600         11 per 600           12         23.52         564.5         320+320         6 per 320           13         25.48         611.5         Contact Sky Factory         Contact Sky Factory           14         27.44         658.6         240+600         4 per 240, 10 per 600           15         29.4         705.6         320+320+320         5 per 320           16         31.36         752.6         Contact Sky Factory         Contact Sky Factory           18         35.28         846.7 <td< td=""><td>1</td><td>1.96</td><td>47.0</td><td>60</td><td>1 per 60</td></td<>	1	1.96	47.0	60	1 per 60		
4         7.84         188.2         240         4 per 240           5         9.8         235.2         320         1 per 320           6         11.76         282.2         320         6 per 320           7         13.72         329.3         185+240         2 per 185, 4 per 240           8         15.68         376.3         240+240         4 per 240           9         17.64         423.4         185+185+185         3 per 185           10         19.6         470.4         600         10 per 600           11         21.56         517.4         600         11 per 600           12         23.52         564.5         320+320         6 per 320           13         25.48         611.5         Contact 5ky Factory         Contact 5ky Factory           14         27.44         658.6         240+600         4 per 240, 10 per 600           15         29.4         705.6         320+320+320         5 per 320           16         31.36         752.6         Contact 5ky Factory         Contact 5ky Factory           17         33.32         799.7         Contact 5ky Factory         Contact 5ky Factory           18         35.28	2	3.92	94.1	120	2 per 120		
5         9.8         235.2         320         1 per 320           6         11.76         282.2         320         6 per 320           7         13.72         329.3         185+240         2 per 185, 4 per 240           8         15.68         376.3         240+240         4 per 240           9         17.64         423.4         185+185+185         3 per 185           10         19.6         470.4         600         10 per 600           11         21.56         517.4         600         11 per 600           12         23.52         564.5         320+320         6 per 320           13         25.48         611.5         Contact Sky Factory         Contact Sky Factory           14         27.44         658.6         240+600         4 per 240, 10 per 600           15         29.4         705.6         320+320+320         5 per 320           16         31.36         752.6         Contact Sky Factory         Contact Sky Factory           17         33.32         799.7         Contact Sky Factory         Contact Sky Factory           18         35.28         846.7         320+320+320         6 per 320           19         37.24 </td <td>3</td> <td>5.88</td> <td>141.1</td> <td>185</td> <td>3 per 185</td>	3	5.88	141.1	185	3 per 185		
6         11.76         282.2         320         6 per 320           7         13.72         329.3         185+240         2 per 185, 4 per 240           8         15.68         376.3         240+240         4 per 240           9         17.64         423.4         185+185+185         3 per 185           10         19.6         470.4         600         10 per 600           11         21.56         517.4         600         11 per 600           12         23.52         564.5         320+320         6 per 320           13         25.48         611.5         Contact Sky Factory         Contact Sky Factory           14         27.44         658.6         240+600         4 per 240, 10 per 600           15         29.4         705.6         320+320+320         5 per 320           16         31.36         752.6         Contact Sky Factory         Contact Sky Factory           17         33.32         799.7         Contact Sky Factory         Contact Sky Factory           20         39.2         940.8         600+600         10 per 600           21         41.16         987.8         60+600+600         1 per 60, 10 per 600           22	4	7.84	188.2	240	4 per 240		
7         13.72         329.3         185+240         2 per 185, 4 per 240           8         15.68         376.3         240+240         4 per 240           9         17.64         423.4         185+185+185         3 per 185           10         19.6         470.4         600         10 per 600           11         21.56         517.4         600         11 per 600           12         23.52         564.5         320+320         6 per 320           13         25.48         611.5         Contact Sky Factory         Contact Sky Factory           14         27.44         658.6         240+600         4 per 240, 10 per 600           15         29.4         705.6         320+320+320         5 per 320           16         31.36         752.6         Contact Sky Factory         Contact Sky Factory           17         33.32         799.7         Contact Sky Factory         Contact Sky Factory           18         35.28         846.7         320+320+320         6 per 320           19         37.24         893.8         Contact Sky Factory         Contact Sky Factory           20         39.2         940.8         600+600         10 per 600			235.2		•		
8       15.68       376.3       240+240       4 per 240         9       17.64       423.4       185+185+185       3 per 185         10       19.6       470.4       600       10 per 600         11       21.56       517.4       600       11 per 600         12       23.52       564.5       320+320       6 per 320         13       25.48       611.5       Contact Sky Factory       Contact Sky Factory         14       27.44       658.6       240+600       4 per 240, 10 per 600         15       29.4       705.6       320+320+320       5 per 320         16       31.36       752.6       Contact Sky Factory       Contact Sky Factory         17       33.32       799.7       Contact Sky Factory       Contact Sky Factory         18       35.28       846.7       320+320+320       6 per 320         19       37.24       893.8       Contact Sky Factory       Contact Sky Factory         20       39.2       940.8       600+600       1 per 60, 10 per 600         21       41.16       987.8       60+600+600       1 per 60, 10 per 600         22       43.12       1034.9       120+600+600       2 per 120, 10 per 600 </td <td></td> <td></td> <td></td> <td></td> <td>•</td>					•		
9 17.64 423.4 185+185 3 per 185 10 19.6 470.4 600 10 per 600 11 21.56 517.4 600 11 per 600 12 23.52 564.5 320+320 6 per 320 13 25.48 611.5 Contact Sky Factory Contact Sky Factory 14 27.44 658.6 240+600 4 per 240, 10 per 600 15 29.4 705.6 320+320+320 5 per 320 16 31.36 752.6 Contact Sky Factory Contact Sky Factory 17 33.32 799.7 Contact Sky Factory Contact Sky Factory 18 35.28 846.7 320+320+320 6 per 320 19 37.24 893.8 Contact Sky Factory Contact Sky Factory 20 39.2 940.8 600+600 10 per 600 21 41.16 987.8 60+600+600 1 per 60, 10 per 600 22 43.12 1034.9 120+600+600 2 per 120, 10 per 600 23 45.08 1081.9 Contact Sky Factory Contact Sky Factory 24 47.04 1129.0 240+600+600 4 per 240, 10 per 600 25 49 1176.0 Contact Sky Factory Contact Sky Factory 26 50.96 1223.0 Contact Sky Factory Contact Sky Factory 27 52.92 1270.1 Contact Sky Factory Contact Sky Factory 28 54.88 1317.1 Contact Sky Factory Contact Sky Factory 29 56.84 1364.2 Contact Sky Factory Contact Sky Factory 30 58.8 1411.2 600+600 10 per 600 31 60.76 1458.2 Contact Sky Factory Contact Sky Factory 32 62.72 1505.3 Contact Sky Factory Contact Sky Factory							
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