

Powerful.
Practical.
Preferred.



CODE MANDATED INTERIOR EMERGENCY LIGHTING:

The emergency lighting system must be arranged to provide illumination automatically in the event of any interruption of normal lighting. Emergency lighting...shall be arranged to provide...illumination that is not less than an average of 1 ft-candle and, at any point, not less than 0.1 ft-candle, measured along the path of egress at floor level.

Life Safety Code ©– NFPA 101 © Sections 7.9.2.3 & 7.9.2.1 Emergency Lighting

Concealite's SuperNOVA fixtures are made of durable, impact-resistant steel housings with the highest light output on the market... up to 200 Watts! These interior fixtures are ideal where emergency lighting codes require expansive illumination such as large complexes, areas of assembly, or applications with high ceilings.

SuperNOVA I & II

H Series

Aesthetics

The SuperNOVA is an attractive interior emergency lighting fixture for use in any large indoor areas such as supermarkets, dining halls, auditoriums, gymnasiums, cafeterias, community rooms, residential complexes and apartments, etc. The SuperNOVA provides powerful illumination that surpasses anything currently on the market.

Architectural Features

Custom Finishes Neutral cream color paint standard finish, or fixtures can be field or custom factory painted (no minimum order for custom paint).

Up to 30 foot mounting heights on walls, columns and ceilings.

12 Volt units with 100 and 200 Watt capacities.

Heavy gauge steel cabinet.

Fully adjustable aluminum halogen lamp heads with locking swivels.

Maintenance free Lead-Calcium battery standard.

Automatic temperature compensation, variable rate float charger standard.

Automatic brownout protection.

Low Voltage Disconnect (LVD) protects battery from deep discharge.

Universal 120/277 VAC input.

90 minutes of emergency illumination.

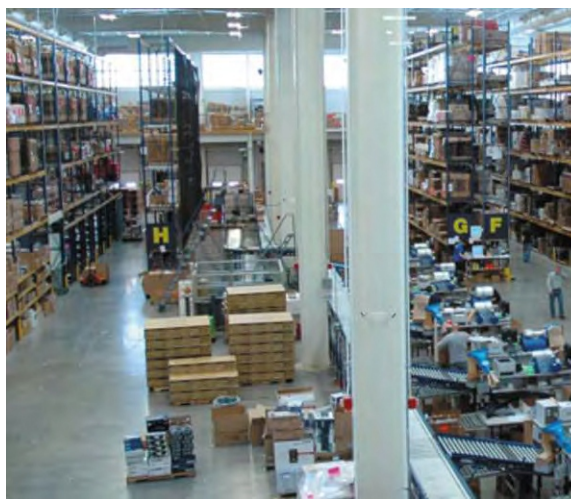
Operating temperature 32 degrees F to 104 degrees F (0 degrees C to 40 degrees C).

Momentary test switch and AC ready pilot light.

Self-diagnostics available.

Meets NFPA 101.

Listed to UL 924.



Warehouse Distribution Center

10x ILLUMINATION

Independently Tested



Custom colors, finishes, and textures to match interiors (Contact Factory).

Standard Color: Neutral cream powder coat.

SuperNOVA I & II

H Series



FIXTURE SCHEDULE	FIXTURE TYPE:	PROJECT NAME/REF:
APPROVAL:	LAMP TYPE:	PROJECT LOCATION:

Installation

Mounting: Units are designed for mounting to any flat surface on a wall, column or ceiling by means of fastening through the back of the unit housing. Units may also be mounted by means of accessory mounting shelf.

Wiring: Knockouts are provided to decrease installation time. Surface wiring is also provided for by conduit knockouts in the top and sides of the unit housing.

Illumination

The adjustable heads are UL listed. Specially designed high-output halogen lamps are available in 20, 35, 50, 75, and 100 watts. Concealite provides free point-by-point layout service for code compliance. Contact your local Concealite representative for details.

Product Specifications

The emergency lighting unit shall be Concealite H Series SuperNOVA and will conform to UL924 and be installed in conformance of the National Electrical Code. The unit shall consist of a heavy duty aluminum cabinet. The unit shall be equipped with two aluminum fully adjustable, sealed heads. The electronics shall include a fully automatic temperature compensating variable rate charger, low voltage disconnect, and brown out circuits. The unit shall have a "Push to Test" switch and a "AC-ON" pilot light. Upon the loss of utility power the lamps will illuminate and operate for a minimum of ninety minutes or until utility power is restored; at which time the units' charger will bring the battery back to full charge within UL requirements.

Limited Warranty

All Concealite equipment is guaranteed against defects in materials and workmanship by the manufacturer for a period of three years from date of shipment under normal operations and proper use. Correction of all defects shall be by replacement or repair (at our discretion) and shall constitute fulfillment of all manufacturer's obligations.



Unit Dimensions

SuperNova I
 Depth 4.0" (10.16 cm) x
 Width 13.5" (34.29 cm) x
 Height 8.7" (22.10 cm)

SuperNova II
 Depth 6.75" (17.15 cm) x
 Width 18" (45.72 cm) x
 Height 8.7" (22.10 cm)



IR Infrared Remote Test System Option Available

SuperNova Ordering Information

Example Spec: HSN-II-100-90-SD-IR-S6-CF

Series	HSN	II	100	90	OPTIONS
H Series SuperNOVA					
Model Size					
II - 200 Watt Capacity					
I - 100 Watt Capacity					
High Output Lamps					
100 Watt - Two (2) 100 Watt Heads					
75 Watt - Two (2) 75 Watt Heads					
50 Watt - Two (2) 50 Watt Heads					
35 Watt - Two (2) 35 Watt Heads					
20 Watt - Two (2) 20 Watt Heads					
Hours of Operation					
90 - 1 ½ Hours					
XX - Other Run Times Contact Factory					
Options					

- SD Self-Diagnostic Charger & Monitoring System**
- IR Infrared Remote Test System**
- TD120 15 Minute Time Delay 120 V
- TD277 15 Minute Time Delay 277 V
- 220V 220 V / 50 Hz Input Transformer
- S3 Mounting Shelf (Fits Super Nova I)
- S6 Mounting Shelf (Fits Super Nova II)
- WGI Wire Guard (Fits Super Nova I)
- WGII Wire Guard (Fits Super Nova II)
- TP Tamper Proof Screws
- H120 Battery Heater (120v)
- H277 Battery Heater (277v)
- CF Custom Finish (Standard Finish is Cream/Neutral)**

Note: These specifications are subject to change

H Series Remote Head Fixtures



For additional remote installations, our powerful, stand-alone heads are available in single or dual head units. Heads are mounted to a custom plate with a gasket that fits a single gang electric box. For additional information on these remote fixtures, please refer to the H Series Spec Sheet, or contact Concealite.

H Series Ordering Information

Example Spec: H-2-20-12-J BOX-W-LPM

Series	H	2	100	12	N4X	W	LPM
Heads							
1 Single Head							
2 Dual Head							
High Output Lamps							
20 20 Watt Head(s)							
35 35 Watt Head(s)							
50 50 Watt Head(s)							
75 75 Watt Head(s)							
100 100 Watt Head(s)							
Voltage							
12 12 VDC							
120 120 VAC							
Options							
N4X NEMA 4X Junction Box							
J-BOX NEMA 1 Junction Box							
Colors							
W White							
B Bronze							
CF Custom Paint Finish							
Lead Wires							
LPM Low Profile Mounting System (Includes 18 inches of Continuous Leads)							

Note: These specifications are subject to change



202 Elk Street, P.O. Box 160
 Elkton, SD 57026
 Phone: (605)542-4444
 Fax: (605)542-3333
 www.concealite.com

Powerful.
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Concealite's H Series Remote Head fixtures are made of durable, impact-resistant steel housings with the highest light output on the market... **up to 200 Watts!** These interior remote fixtures are ideal where emergency lighting codes require expansive illumination such as large complexes, areas of assembly, or applications with high ceilings.

H Series Remote Head Fixtures

Aesthetics

For remote installations, our powerful, stand-alone H Series Remote Fixture heads are available. The H Series remote high-powered halogen lamps provide up to 100 watts output each, surpassing anything currently on the market, and allowing for 20-30 feet above ground wall or vertical support pillar installations.

Architectural Features

- The H Series remote fixtures are available in single or dual head units.
- Can be configured to operate from a wide variety of emergency and standard power sources.
- Heads are mounted to a custom plate with a gasket that fits a single gang electrical box.
- Heads come white and bronze as standard colors.
- Custom colors, finishes, and textures available.
- Unique high output, long life halogen lamps are available in 20, 35, 50, 75, and 100 Watts.
- Heads are available in both 12 VDC and 120 VAC.
- Heads are UL 924 listed.



Commercial Office Building



Single or Dual Head Remote Fixtures
Custom Paint Finishes Available

H Series Remote Heads

FIXTURE SCHEDULE	FIXTURE TYPE:	PROJECT NAME/REF:
APPROVAL:	LAMP TYPE:	PROJECT LOCATION:

Mounting

Units are designed for mounting to any flat wall surface in exterior or interior wet location environments.

Wiring

Route appropriate WP connections via WP junction box conduit raceway system.

LPM Option: Low Profile Mounting system, includes 18 inches of continuous leads.

Illumination

The adjustable heads are UL listed. Specially designed high-output halogen lamps are available in 20, 35, 50, 75, and 100 watts. Concealite provides free point-by-point layout service for code compliance. Contact your local Concealite representative for details.

Product Specifications

The H Series remote head shall be constructed from aluminum and have an electrostatic baked powder coat finish. The head will be equipped with a locking gasketed swivel and have 1/2" fitting at the end of the swivel with a lock nut to mate with a gasketed custom wall plate. The head shall be available with 20, 35, 50, 75, & 100 Watt high output halogen lamps. These lamps shall have a minimum 2000 hour lamp life. The head shall have polished aluminum reflector and a gasketed glass lens. The head shall have a separate UL924 listing. The head assembly shall be rated for NEMA 4X areas.

Limited Warranty

All Concealite equipment is guaranteed against defects in materials and workmanship by the manufacturer for a period of three years from date of shipment under normal operations and proper use. Correction of all defects shall be by replacement or repair (at our discretion) and shall constitute fulfillment of all manufacturer's obligations.

H Series Remote Heads

Backplate dimensions measure 4" H x 2 1/2" W



Available Remote Power Options

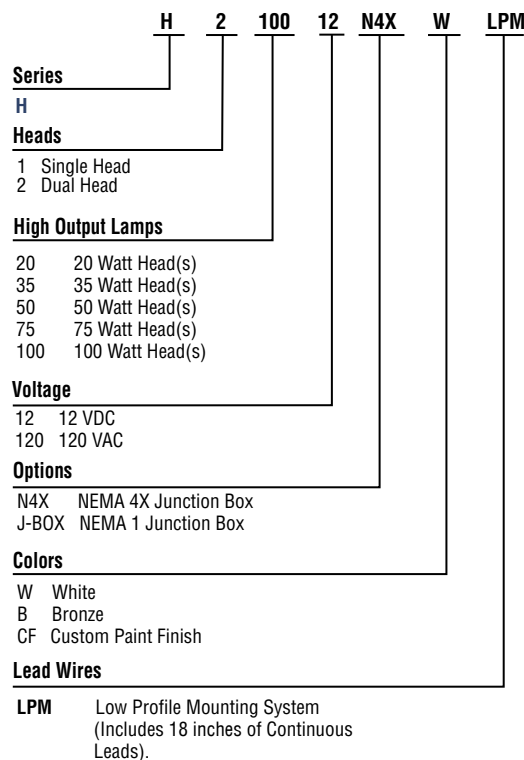
Note: To order DC central battery systems shown below, contact Concealite for more info.



12v DC Central Battery Unit

Completely self-contained
 Models operate for up to four hours
 Fully automatic solid-state charger
 Automatic battery protection (LVD)
 Models for loads up to 300 watts output
 Die-formed heavy 18 gauge steel cabinet
 Dual 120 or 277 VAC input, field selectable
 1-1/2 hours of light to an end battery voltage of 87-1/2% of normal voltage
 Listed to UL 924
 See Central Battery Systems cut sheet for more details.

Ordering Information




202 Elk Street, P.O. Box 160
 Elkton, SD 57026
 Phone: (605)542-4444
 Fax: (605)542-3333
 www.concealite.com

Note: These specifications are subject to change

SuperNOVA™ by Concealite

(100 W HO, 2000 Lumens Per Head / 1.35 Average Foot Candle Light Output)

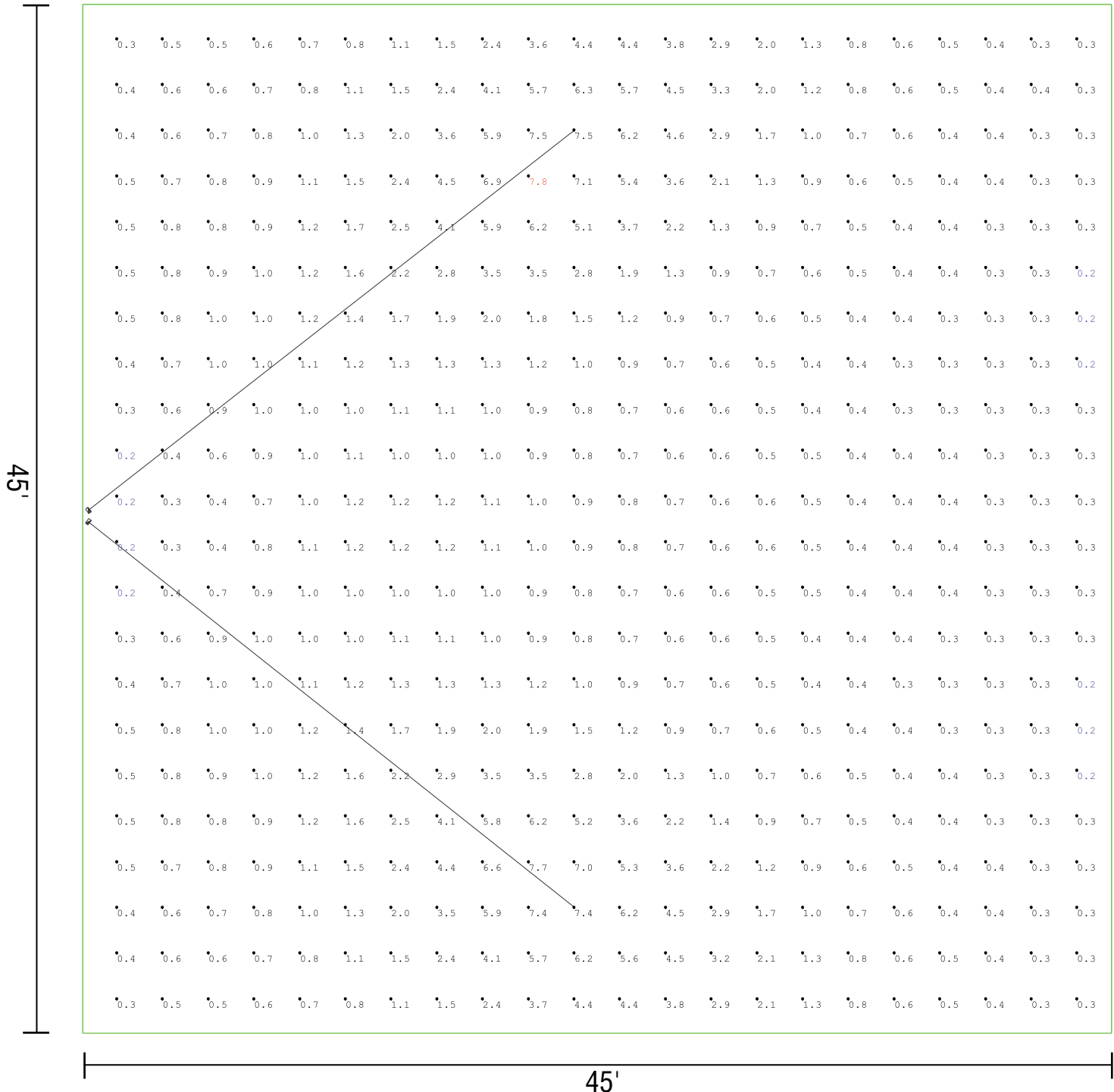
Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	100T4Q 12V	0.25	22.875	20	38.017	53.464
2	100T4Q 12V	0.25	22.375	20	321.561	53.617

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	2	100T4Q 12V	SINGLE	2000	1.000	SuperNova

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
Super Nova 11_Floor	Illuminance	Fc	1.35	7.8	0.2	6.75	39.00	


Concealite SuperNOVA 100 Watt High-Output Halogen Lamps

Point by Point Data Results Based on 2,025 SF Space



Market Comparison

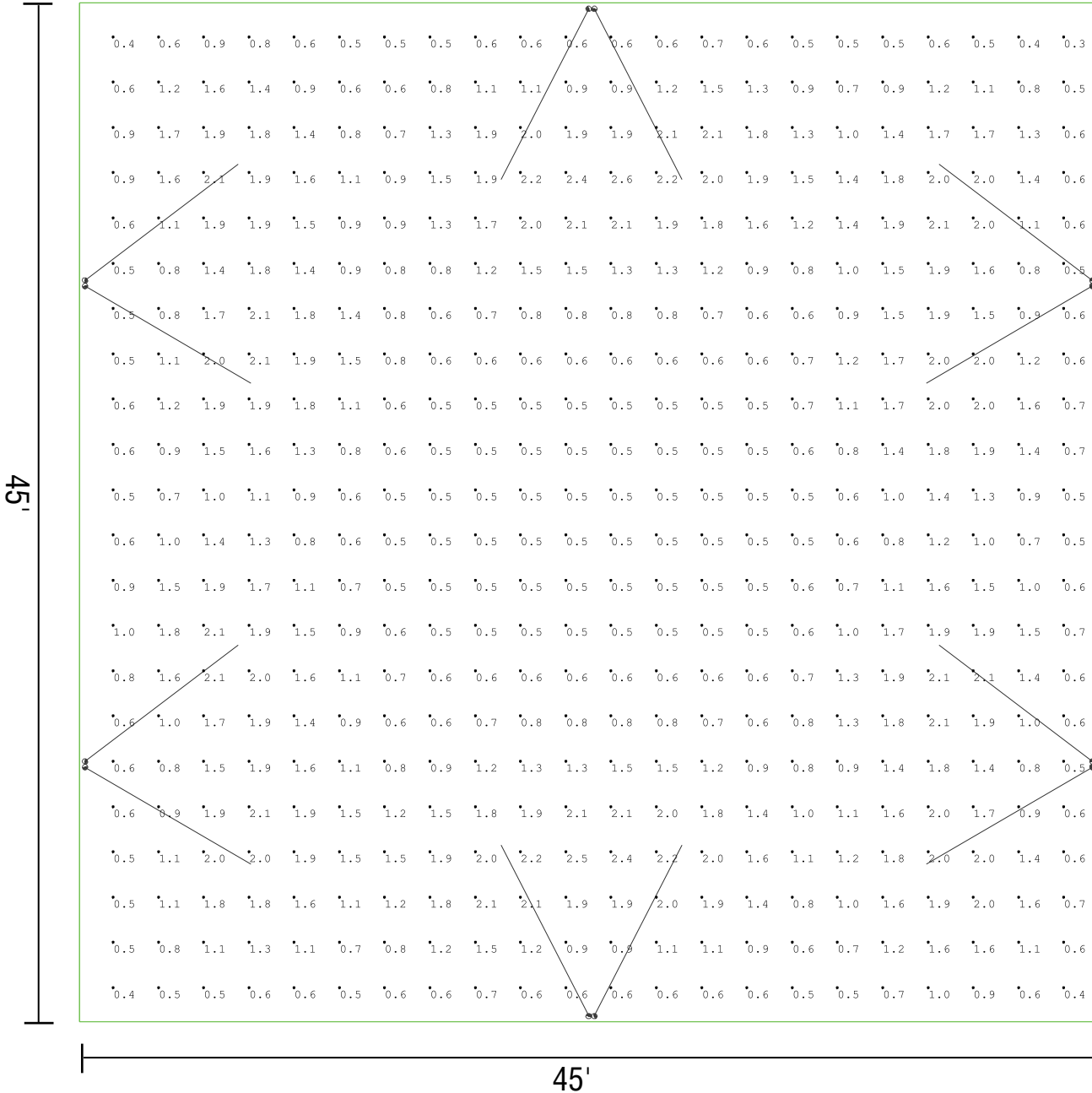
(20 W, 238 Lumens Per Head / 1.12 Average Foot Candle Light Output)

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	12	PP - Center	SINGLE	238	1.000	INDUSTRIAL NEMA

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	PP - Center	0.25	11.5	20	37.185	23
2	PP - Center	0.25	11.25	20	329.621	23
3	PP - Center	0.25	32.75	20	37.185	23
4	PP - Center	0.25	32.5	20	329.621	23
47	PP - Center	22.5	44.75	20	242.819	23
48	PP - Center	22.75	44.75	20	297.181	23
53	PP - Center	22.5	0.25	20	117.181	23
54	PP - Center	22.75	0.25	20	62.819	23
43	PP - Center	44.75	11.5	20	142.815	23
44	PP - Center	44.75	11.25	20	210.379	23
45	PP - Center	44.75	32.75	20	142.815	23
46	PP - Center	44.75	32.5	20	210.379	23

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Competition_Floor	Illuminance	Fc	1.12	2.6	0.3	3.73	8.67

Competitors' 20 Watt Lamps Point by Point Data Results Based on 2,025 SF Space



SuperNOVA™ by Concealite

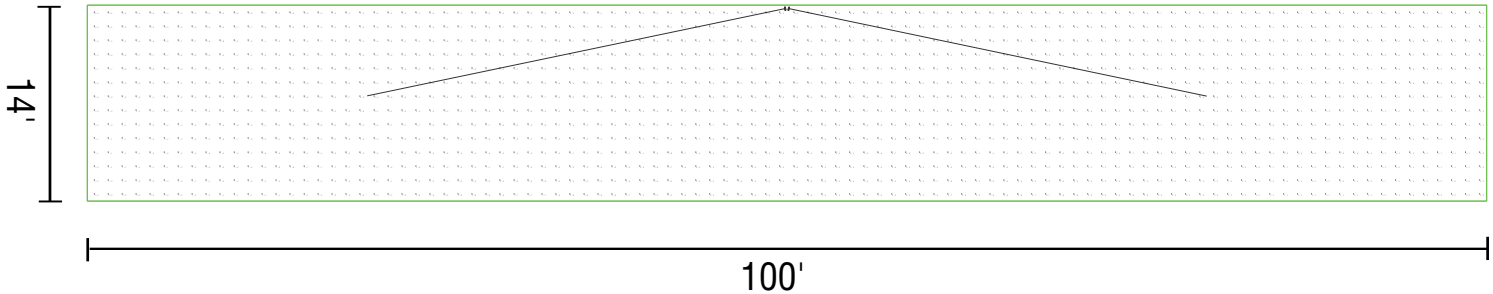
(100 W HO, 2000 Lumens Per Head / 1.74 Average Foot Candle Light Output)

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	100T4Q 12V	49.875	13.75	9	191.779	73.569
2	100T4Q 12V	50.125	13.75	9	348.184	73.571

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	2	100T4Q 12V	SINGLE	2000	1.000	SuperNova Twin 100 Watt Lamps

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Room_Floor	Illuminance	Fc	1.74	5.9	0.4	4.35	14.75

Concealite SuperNOVA 100 Watt High-Output Halogen Lamps Point by Point Data Results Based on 14' x 100' Path of Egress Corridor:



Market Comparison

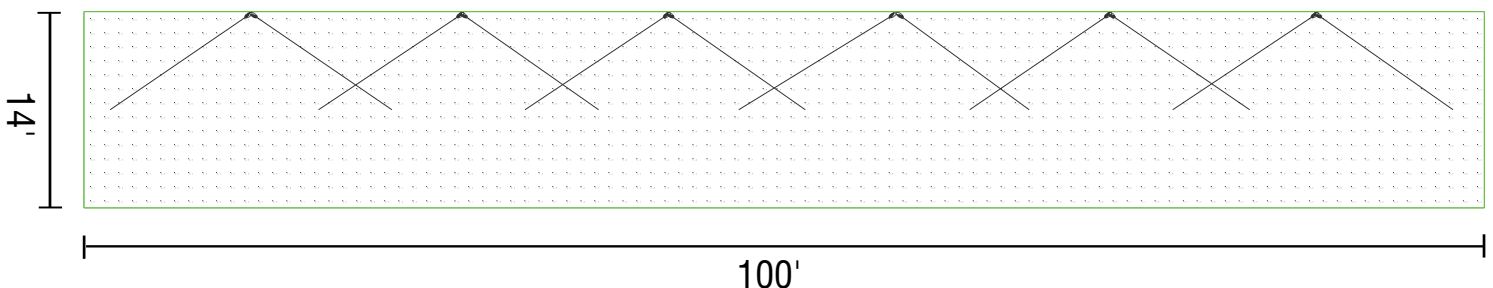
(20 W, 238 Lumens Per Head / 1.61 Average Foot Candle Light Output)

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	PP - Center	11.75	13.75	9	214.354	53.042
2	PP - Center	12.125	13.75	9	325.646	53.042
7	PP - Center	87.875	13.75	9	213.69	53.513
8	PP - Center	88.125	13.75	9	324.958	52.564
3	PP - Center	26.875	13.75	9	213.69	53.513
4	PP - Center	27.125	13.75	9	324.958	52.564
5	PP - Center	73.125	13.75	9	214.354	53.042
6	PP - Center	73.375	13.75	9	325.646	53.042
11	PP - Center	41.625	13.75	9	213.69	53.513
12	PP - Center	41.875	13.75	9	324.958	52.564
9	PP - Center	57.75	13.75	9	211.535	55.11
10	PP - Center	58.25	13.75	9	323.881	51.834

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	12	PP - Center	SINGLE	238	1.000	INDUSTRIAL NEMA

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Competition_Floor	Illuminance	Fc	1.61	5.6	0.4	4.03	14.00

Competitors' 20 Watt Lamps Point by Point Data Results Based on 14' x 100' Path of Egress Corridor:



SuperNOVA (2000 Lumens Per Head / 1.74 Average Foot Candle Light Output) vs. Market Comparison (238 Lumens Per Head / 1.61 Average Foot Candle Light Output)