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.
- Listed to UL 924.

**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

Warehouses, Distribution Centers

**10x ILLUMINATION**

Independently Tested

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

Standard Color: Neutral cream powder coat.
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.
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.
**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 ½" 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.

---

**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**

```
Series  H  2  100  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.
SuperNOVA™ by Concealite

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

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)

<table>
<thead>
<tr>
<th>Lumen No</th>
<th>Label</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>Orient</th>
<th>Tilt</th>
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<tbody>
<tr>
<td>1</td>
<td>PP - Center</td>
<td>0.25</td>
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<td>23</td>
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<td>23</td>
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<td>37.185</td>
<td>23</td>
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<tr>
<td>4</td>
<td>PP - Center</td>
<td>0.25</td>
<td>32.5</td>
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<tr>
<td>47</td>
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<tr>
<td>48</td>
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<td>44.75</td>
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<tr>
<td>53</td>
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<td>54</td>
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<td>23</td>
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</tbody>
</table>

Competition Floor Results Based on 2,025 SF Space

SuperNOVA (100 W HO, 2000 Lumens Per Head / 1.35 Average Foot Candle Light Output) vs. Market Comparison (20 W, 238 Lumens Per Head / 1.12 Average Foot Candle Light Output)
SuperNOVA™ by Concealite
(100 W HO, 2000 Lumens Per Head / 1.74 Average Foot Candle Light Output)

<table>
<thead>
<tr>
<th>Luminaires Location Summary</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>Orientation</th>
<th>Tilt</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Concealite SuperNOVA 12V</td>
<td>49.875</td>
<td>13.75</td>
<td>9</td>
<td>131.779</td>
<td>72.569</td>
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<td>2: Concealite SuperNOVA 12V</td>
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<td>348.186</td>
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<table>
<thead>
<tr>
<th>Luminaires Schedule</th>
<th>Qty</th>
<th>Label</th>
<th>Arrangement</th>
<th>Lumens</th>
<th>L/F</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concealite SuperNOVA 100 Watt High-Output Halogen Lamps</td>
<td>14</td>
<td>100X12V</td>
<td>2000</td>
<td>1.00</td>
<td>SuperNova Twin 100 Watt Lamps</td>
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<table>
<thead>
<tr>
<th>Calculation Summary</th>
<th>Label</th>
<th>CalcType</th>
<th>Units</th>
<th>Avg</th>
<th>Max</th>
<th>Min</th>
<th>Avg/Min</th>
<th>Max/Min</th>
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<tbody>
<tr>
<td>Room Floor</td>
<td>Illuminance</td>
<td>fc</td>
<td>1.74</td>
<td>1.9</td>
<td>0.4</td>
<td>1.35</td>
<td>14.75</td>
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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)

<table>
<thead>
<tr>
<th>Luminaires Location Summary</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>Orientation</th>
<th>Tilt</th>
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</thead>
<tbody>
<tr>
<td>1: Concealite SuperNOVA 12V</td>
<td>11.75</td>
<td>13.75</td>
<td>9</td>
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<td>2: Concealite SuperNOVA 12V</td>
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<td>9</td>
<td>325.666</td>
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<tr>
<td>3: Concealite SuperNOVA 12V</td>
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<td>9</td>
<td>213.69</td>
<td>53.513</td>
</tr>
<tr>
<td>4: Concealite SuperNOVA 12V</td>
<td>22.125</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
</tr>
<tr>
<td>5: Concealite SuperNOVA 12V</td>
<td>24.875</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
</tr>
<tr>
<td>6: Concealite SuperNOVA 12V</td>
<td>25.125</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
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<tr>
<td>7: Concealite SuperNOVA 12V</td>
<td>31.875</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
</tr>
<tr>
<td>8: Concealite SuperNOVA 12V</td>
<td>32.125</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
</tr>
<tr>
<td>9: Concealite SuperNOVA 12V</td>
<td>34.875</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
<td>53.513</td>
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<td>10: Concealite SuperNOVA 12V</td>
<td>35.125</td>
<td>13.75</td>
<td>9</td>
<td>213.69</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Luminaires Schedule</th>
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<th>Label</th>
<th>Arrangement</th>
<th>Lumens</th>
<th>L/F</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>14: Competitors' 20 Watt Lamps</td>
<td>14</td>
<td>20X12V</td>
<td>238</td>
<td>1.00</td>
<td>COMPETITOR LAMPS</td>
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</table>

<table>
<thead>
<tr>
<th>Calculation Summary</th>
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<th>Units</th>
<th>Avg</th>
<th>Max</th>
<th>Min</th>
<th>Avg/Min</th>
<th>Max/Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room Floor</td>
<td>Illuminance</td>
<td>fc</td>
<td>1.61</td>
<td>5.6</td>
<td>0.4</td>
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Competitors' 20 Watt Lamps
Point by Point Data Results Based on 14' x 100' Path of Egress Corridor: