Lumination™ LED Luminaires
1' x 4' Suspended Fixture
EP14 Series Powered by Intrinsx™

Product Description:
The Lumination 1' x 4' suspended luminaire with Intrinsx technology is a commercial pendant lighting fixture utilizing an advanced LED optical system to achieve superior performance. Intrinsx technology allows for a nearly transparent luminaire when off and excellent uniformity and efficiency when on. The unique design incorporates a clear transition zone between the frame and light emitting portion of the fixture, making the illusion of the light floating in mid-air. The ultra-thin profile and improved lumen maintenance of >80% of initial lumens at 50,000 hours of operation, allows for each of installation and lower maintenance costs over time. It is suitable for indoor general lighting.

Performance Summary:
Utilizes GE Intrinsx™ technology
Delivered Light Output: 3900-4200 Lm
System Input Power: 42W
Efficacy: 71-76 LPW
Input Voltage: 120-277V
Standard Dimming Control: 0-10V & DALI
Dimming Compatibility: refer to Lutron.com, Leviton.com
CCT: 3000K, 3500K, 4000K
Typical CRI: 82, Min CRI: 80
Color Consistency: 4-Step MacAdam Ellipse
Lifetime Rating: L82 @ 50,000 hours
Input Frequency: 50/60Hz
Power Factor: >0.9
THD: <20%
Fixture Dimensions: 47.5 x 11.8 x 1.38 in. (1206mm x 299mm x 35mm)
Light Fixture Weight: 14.3lb (6.5kg)
Driver Kit Weight: 4.3lb (2.0kg)
Warranty: 5 years
Files Available: LM79, LM80, IES, DWG & LDT
IK Code: IK3
IP Rating: IP30
Operating Conditions: -10° to 40°C

Ordering Information:

<table>
<thead>
<tr>
<th>E</th>
<th>P</th>
<th>14</th>
<th>C</th>
<th>SLVR</th>
</tr>
</thead>
</table>

INTERNAL CODE  | FIGURE TYPE (NOMINAL)  | VOLTAGE  | OPTICAL CODE  | MOUNTING  | CONTROLLER  | FINISH  | OPTIONS |
---|---|---|---|---|---|---|---|
E = EdgeLit  | P = Pendant  | 14 = 1' x 4'  | 0 = 120-277V  | D = 347V  | C = Cable Supersion-Concealed PSU  | V = 0-10V  | SLVR = Silver  | Blank if no options  |

Awards:

Listed by:

a product of ecomagination™

current powered by GE
<table>
<thead>
<tr>
<th>Angle</th>
<th>0°</th>
<th>45°</th>
<th>90°</th>
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<tbody>
<tr>
<td>45°</td>
<td>1858</td>
<td>2873</td>
<td>4049</td>
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<tr>
<td>55°</td>
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<td>3726</td>
<td>5782</td>
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<tr>
<td>65°</td>
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<td>4766</td>
<td>8185</td>
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<tr>
<td>75°</td>
<td>2780</td>
<td>5275</td>
<td>9487</td>
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<td>85°</td>
<td>1451</td>
<td>1950</td>
<td>2581</td>
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</table>

CAnDLEPOWER SuMMARy

COEFFICIEnTS OF uTILIzATIOn

<table>
<thead>
<tr>
<th>Zone Lumens</th>
<th>% of Lamp</th>
<th>% of Fixture</th>
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</thead>
<tbody>
<tr>
<td>0-10</td>
<td>132.59</td>
<td>N.A.</td>
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<tr>
<td>10-20</td>
<td>317.38</td>
<td>N.A.</td>
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<tr>
<td>20-30</td>
<td>601.55</td>
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<td>30-40</td>
<td>1473.45</td>
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<tr>
<td>40-50</td>
<td>2361.86</td>
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<tr>
<td>50-60</td>
<td>2434.45</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

zOnAL L uMEn SuMMARy

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% of Lamp</th>
<th>% of Fixture</th>
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</thead>
<tbody>
<tr>
<td>0-10</td>
<td>132.59</td>
<td>N.A.</td>
<td>3.10</td>
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<tr>
<td>0-20</td>
<td>317.38</td>
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<tr>
<td>0-40</td>
<td>1473.45</td>
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<td>0-50</td>
<td>2361.86</td>
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<td>0-60</td>
<td>2434.45</td>
<td>N.A.</td>
<td>56.50</td>
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</table>

Polar Graph Medium Distribution

PTLED12E08069-A.ies

Product Specifications:

**Optical System:**
Delivers superior performance and greater control of how the light is distributed. GE’s innovative system approach using Intrinsx™ technology. Intrinsx technology allows for a nearly transparent luminaire when off and excellent uniformity and efficiency when on. Intrinsx helps to create a space that feels brighter, cleaner and more modern.

- Precision formed optical assembly comprised of injection molded high specularity reflectors, and an injection molded conformal transmissive lens
- High optical grade acrylic providing good efficiency and impact resistance
- Durable hard coated protective layers for scratch resistance and ease of cleaning
- LED light engine consists of a precision die-cast aluminum heat sink, a Metal Core Printed Circuit Board Assembly (MCPCB)
- Beam Uniformity: Du’v’ = 0.0008
- Luminance Uniformity: 2:1 max to min
- No visible diodes

**Construction:**
- Durable, long lasting designer aluminum frame
- IP Rating: IP50
- Impact Resistance: IK-3

**Maximum Driver Remote Mounting Distance:**

<table>
<thead>
<tr>
<th>Supply Wire Gauge</th>
<th>Wire Length*</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 AWG (.82 mm²)</td>
<td>59.0 ft (18m)</td>
</tr>
<tr>
<td>16 AWG (1.31 mm²)</td>
<td>98 ft (30m)</td>
</tr>
<tr>
<td>14 AWG (2.08 mm²)</td>
<td>154.2 ft (47m)</td>
</tr>
<tr>
<td>12 AWG (3.31 mm²)</td>
<td>249.3 ft (76m)</td>
</tr>
</tbody>
</table>

* Includes fixture’s 6.6 ft (2m) power cord

**Electrical System:**
- Class 1, replaceable, high efficiency LED driver rated for 100,000 hours when used within operating conditions.
- Audible Noise – Per 29CFR 1910 sub part G: <24 dBA (1 foot)
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions
- THD <20%
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing)
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics
- Input Current: 120V/55W - 455mA
  230V/55W - 248mA
  277V/55W - 216mA

**Installation:**
- Suspension cables and mounting accessories provided standard
- Remote PSU enclosure delivers a clean, uninterrupted luminaire below the ceiling grid
- Luminaire Vibration Testing: Luminaire test to 0.5 G, 100,000 cycles per axis, 2 axis

For more information and access to all of our resources, including our design tool visit: www.gelightingsolutions.com

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