Rough-house Series

RHL7 Series - ADA Compliant
T5 and T8 Lamps
Ceiling/Wall Mount/Flush - Linear Fluorescent
Nominal 7"x24", 7"x36", and 7"x48"

Width  Length  Depth
704"  24.60"  2.87"
704"  36.90"  2.87"
704"  48.60"  2.87"

Architectural Linear Lighting for Rough Service Indoor Environments

Specifications

Lens: UV-stabilized high impact pearlescent acrylic. Smooth exterior; linear prismate, octagon; nominal thickness, 2.66". Lens locked in place with tampereistant stainless steel POSIGRIP™ lassons.

Housing: 11-gauge CRS, Urethane powder coat finish - 5 step pre-treatment.

End Cap: High impact resistant, injection molded black or white polycarbonate.

Reflector: Full reflector wire cover - 92% reflectivity

Electrical: Standard electronic ballast for T5 lamps (EB) Instant Start; UL listed, Class P; Class A audible noise rating; >98% power factor; <20% THD; 0°F minimum starting temperature. Optional electronic ballast for T8 lamps (PB) Instant Start; UL listed, Class P; Class A audible noise rating; >98% power factor; <10% THD; 0°F minimum starting temperature; Standard electronic ballast for T5 lamps (PB) Program Start; Suitable for use with occupancy switches; UL listed, Class P; Class A audible noise rating; >98% power factor; <10% THD; 0°F minimum starting temperature.

Hardware: Stainless steel tamper-resistant POSIGRIP™ fasteners.

Listings/Certifications: UL and CUL listed for Lamp Locations.

Installation: Standard four-point (24" and 36") housing or six-point (48") mounting required for One Year Guarantee. For surface conduit installation, end cap interior is provided with drill points for field drilling.

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Length</th>
<th>Finish</th>
<th>Lens</th>
<th>Lamp Qty</th>
<th>Lamp Type</th>
<th>Ballast Qty</th>
<th>Voltage</th>
<th>Options</th>
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Lamp Qty (Cross Section)

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<tr>
<th>Two Foot Lengths</th>
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Ballast Type

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<tr>
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Ballast Qty

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<th>Current Rating</th>
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<tr>
<td>247 Watts</td>
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<tr>
<td>347 Watts (T8 only)</td>
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<tr>
<td>120/277 Watts (&gt;10%THD)</td>
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Options

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<th>Option</th>
<th>Description</th>
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<td>EL**</td>
<td>500 Minimum Lumen Battery Pack</td>
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<tr>
<td>EL***</td>
<td>1200 Minimum Lumen Battery Pack</td>
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<tr>
<td>FS</td>
<td>Single Flow &amp; Holder</td>
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<tr>
<td>PH</td>
<td>Phillips Head Lens Retention Screw</td>
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* Dry Location only (EL option). One lamp minimum in emergency mode.
* T and F fixtures available in one lamp cross section only. Have minimum 350-450 lumen battery pack.
* F fixtures only.

Rough-house Series

RHL7 Series - ADA Compliant
T5 and T8 Lamps

Calling/Wall Mount/Surface – Linear Fluorescent
Nominal 7"x24", 7"x36" and 7"x48"

Width  Length  Depth
7.04"  24.80"  2.87"
7.04"  38.80"  2.87"
7.04"  48.80"  2.87"

Architectural Linear Lighting for Rough Service Indoor Environments

Specifications


End Caps: High impact resistant, injection molded black or white polycarbonate.

Reflectors: Polycarbonate reflector; 92 SFT reflectivity.

Electrical: Standard electronic ballast for T8 lamps (EB) Instant Start. UL listed. Class P; Class A audible noise rating >98% power factor; <10% THD; 60°F minimum starting temperature. Optional electronic ballast for T5 lamps (PB5); Instant Start. UL listed. Class P; Class A audible noise rating >98% power factor; <10% THD; 60°F minimum starting temperature. Standard electronic ballast for T5 lamps (PB5); 0-10V Program Rapid Start; Suitable for use with occupancy switches. UL listed. Class P; Class A audible noise rating >98% power factor; <10% THD; 60°F minimum starting temperature.

High-Vacuum: Stainless steel, tamper-resistant POSIGRAP® fasteners.

Listings/Certifications: UL and CUL listed for Clamp Locations.

Installation: Standard four-point (24" and 36") housing) or five-point (48") housing required for One Year Guarantee. For surface conduit installation, end cap interior is provided with four points for 5/8" drilling.

Ordering Information

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<td>28T9</td>
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Notes:

- 500 Lumen Battery Pack (120 Minutes 30°F Start Temperature)
- Options: LRB 500 Lumen Battery Pack (120 Minutes 30°F Start Temperature)
- Philips Headless Retention Screw

* Dry Location only (EL option). One lamp maximum in emergency mode.
* 2' and 3' fixtures available in one lamp cross section only; minimum 350-450 lumen battery pack.
* 4' fixtures only.
**REDITEST® LP600STU**

Universal Fluorescent Emergency Ballast

**Specification grade:**
High lumen, low profile;
For standard and high output T5/T8;
Automatic code-compliant testing

**Product Summary**

UL LISTED
Factory or Field Installation
(Indoor and Damp)

U.S. Patent No.
6,339,296 and 5,646,029

Illumination Time
90 Minutes

Initial Light Output
600 - 1325 Lumens @ 29°C

Full Warranty
5 Years (NOT pro-rata)

Universal Input Voltage
120 Through 277 Vac, 50 or 60 Hz

AC Input Current
55 mA

AC Input Power Rating
5.0 Watts

Test Switch
Single Pole

Battery
High-Temperature, Maintenance-Free
Nickel-Cadmium Battery
7- to 10-Year Life Expectancy

Battery Charging Current
150 mA

Recharge Time
24 Hours

Charging Indicator Light
LED

Temperature Rating (Ambient)
0°C to +50°C
(32°F to 122°F)

Dimensions
2.25" x 1.18" x 1.18"
(57.2 mm x 30 mm x 30 mm)

Mounting Center: 22.1" (561 mm)

Weight
3.5 lbs. (1.5 kg)

**FACTORY INSTALLED**

**Specifiers Reference**

Project: 
Type: 
Model No.:

Comments:

**APPLICATION**

The REDITEST® LP600STU low-profile fluorescent emergency ballast works in conjunction with a low-profile or standard-size AC ballast to convert T5 and T8 fluorescent fixtures into undischarged emergency lighting. The emergency ballast consists of a battery, charger and electronic circuitry in one compact case. The LP600STU can be used with one standard or high-output T5 or T8 lamp or one 4-pin long compact fluorescent lamp (see Table 1). It is also compatible with most one-, two-, three- and four-lamp electronic, standard, energy-saving and dimming AC ballasts if used in an emergency-only fixture, no AC ballast is necessary. The LP600STU is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please contact the factory. Recommended applications include: emergency lighting for pendant, cove, recessed indirect/direct, surface-mount and architectural lighting commonly used in office, hospitality, healthcare, retail and educational facilities, as well as for international line voltages, drilling rigs where generators are the primary source of power and other applications requiring higher tolerance of line voltage variation or harmonic distortion.

**OPERATION**

During normal operation, the LP600STU constantly monitors battery voltage. When AC power fails, the LP600STU immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and, using a patented circuit, delays AC ballast operation for approximately 3 seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. During automated testing, the LP600STU simulates an AC power failure, causing the emergency ballast to switch to emergency mode and conduct a discharge test to monitor battery voltage and discharge current. If the LP600STU detects a problem, the status indicator light flashes and, if selected, the audible alarm sounds. When testing is complete, the LP600STU returns to the charging mode. The LP600STU automatically tests emergency lighting for 30 seconds every 30 days and 90 minutes once a year.

**INSTALLATION**

The LP600STU does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The LP600STU may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

**UL and CODE COMPLIANCE**

The LP600STU has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," is UL Listed for Factory or Field Installation, Emergency Illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

L2000038

02080507 © The Bodine Company, Inc.
P.O. Box 460 Collierville, TN USA 38027-0460
Sales 800-223-5728 FAX 901-833-5009
Tech Support 888-263-4638
www.bodine.com
Rough-house Series

RHL7 Series - ADA Compliant
T3 and T8 Lamps
Ceiling/Wall Mount/Surface - Linear Fluorescent
Nominal 7"x24", 7"x36" and 7"x48"

Width | Length | Depth
--- | --- | ---
7.04" | 24.80" | 2.87"
7.04" | 36.80" | 2.87"
7.04" | 48.80" | 2.87"

Architectural Linear Lighting for Rough Service Indoor Environments

Specifications
- End Cap: High impact resistant, injection molded black or white polycarbonate.
- Reflector: Full reflector/wire cover—92% reflectivity.
- Hardware: Stainless steel tamper-resistant POSCAP™ fasteners.
- Listings/Certifications: UL and CUL listed.

Installation:
- Standard four-point (24" and 36" housing) or six-point (48" housing) mounting required for One Year Guarantee. For surface conduit installation, end cap interior is provided with drill points for field drilling.

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Length</th>
<th>Finish</th>
<th>Lens</th>
<th>Lamp Qty</th>
<th>Lamp Type</th>
<th>Ballast Qty</th>
<th>Ballast Qty</th>
<th>Voltage</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHL7</td>
<td>3'</td>
<td>2</td>
<td>Clear Polycarbonate</td>
<td>1</td>
<td>F1T5</td>
<td>2</td>
<td>2</td>
<td>120/277V or 277V Only</td>
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</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>2</td>
<td>Polycarbonate</td>
<td>2</td>
<td>F1T5</td>
<td>2</td>
<td>2</td>
<td>277V, 277V or 277V Only</td>
<td></td>
</tr>
</tbody>
</table>

Options:
- 300 Minimum Lumen Battery Pack
- 400 Minimum Lumen Battery Pack
- 500 Minimum Lumen Battery Pack
- Single Fuses & Housings
- Phillips Head Lens Retention Screw
### Specification grade;
- High lumen, low profile;
- For standard and high output T5/T8;
- Automatic code-compliant testing

### Product Summary
- **UL LİSTED**
  - Factory or Field Installation (Indoor and Damp)
- U.S. Patent No. 6,339,295 and 5,646,029
- **Illumination Time**
  - 90 Minutes
- **Initial Light Output**
  - 400 - 1,325 Lumes @ 25°C
- **Full Warranty**
  - 5 Years (not pro-rated)
- **Universal Input Voltage**
  - 120 Through 277 Vac, 50 or 60 Hz
- **AC Input Current**
  - 55 mA
- **AC Input Power Rating**
  - 50 Watts
- **Test Switch**
  - Single Pole
- **Battery**
  - High-Temperature, Maintenance-Free
  - Nickel-Cadmium Battery
  - 7-10 Year Life Expectancy
- **Battery Charging Current**
  - 150 mA
- **Recharge Time**
  - 24 Hours
- **Charging Indicator Light**
  - LED
- **Temperature Rating (Ambient)**
  - 0°C to +50°C
  - (32°F to 122°F)
- **Dimensions**
  - 2.5" x 1.38" x 1.18"
  - (77 mm x 30 mm x 30 mm)
  - Mounting Center 2.37" (561 mm)
- **Weight**
  - 0.5 lbs. (0.23 kg)

### APPLICATION
The REDI® LP600STU low-profile fluorescent emergency ballast works in conjunction with a low-profile or standard-size AC ballast to convert T5 and T8 fluorescent fixtures into undistillable emergency lighting. The emergency ballast consists of a battery and electronic circuitry in one compact case. The LP600STU can be used with one standard or high-output T5 or T8 lamp or one 4-pin long compact fluorescent lamp (see Table 1). It is also compatible with most one-, two-, three-, and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The LP600STU is suitable for indoor and damp locations and for sealed and gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please contact the factory. Recommended applications include: emergency lighting for pendants, can, recessed indirect, direct, surface-mount and architectural lighting commonly used in offices, hospitality, healthcare, retail and educational facilities, as well as for international line voltages, drilling rig where generators are the primary source of power and other applications requiring higher tolerance of line voltage variation or harmonic distortion.

### OPERATION
During normal operation, the LP600STU constantly monitors battery voltage. When AC power fails, the LP600STU immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and, using a patented circuit, delays AC ballast operation for approximately 3 seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. During automatic testing, the LP600STU simulates an AC power failure, causing the emergency ballast to switch to emergency mode and conduct a discharge test to monitor battery voltage and discharge current. If the LP600STU detects a problem, the status indicator light flashes and, if selected, the audible alarm sounds. When testing is complete, the LP600STU returns to the charging mode. The LP600STU automatically tests emergency lighting for 30 seconds every 30 days and 90 minutes once a year.

### INSTALLATION
The LP600STU does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The LP600STU may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

### UL and CODE COMPLIANCE
The LP600STU has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," is UL Listed for factory or field installation. Emergency Illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-101) and UL 90 minute requirements.
Rough-house Series

RHL7 Series - ADA Compliant
T5 and T8 Lamps
Ceiling/Wall Mount/Surface – Linear Fluorescent
Nominal 7"x24", 7"x36" and 7"x48"

Specifications


End Caps: High impact resistant, injection molded black or white polycarbonate.

Reflector: Full reflector/wire cover – 93% reflectivity.

Electrical: Standard electronic ballast for T8 lamps (E6); Instant Start; UL listed; Class P; Class A; available noise rating: >98% power factor; <20% THD; 0°F minimum starting temperature. Optional electronic ballast for T8 lamps (E6); Instant Start; UL listed; Class P; Class A; available noise rating: >98% power factor; <106% THD; 0°F minimum starting temperature. Standard electronic ballast for T5 lamps: IPEI Program; Rapid Start; Suitable for use with occupancy switches; UL listed; Class P; Class A; available noise rating: >98% power factor; <106% THD; 0°F minimum starting temperature.

Hardware: Stainless steel tamper-resistant POSGBP™ fasteners.

Listings/Certifications: UL and CUL listed for Flame Locations.

Installation: Standard four-point (4") and six-point (6") housing or six-point (6") housing mounting required for One-Year Guarantee. For surface conduit installation, end cap interior is provided with drill points for field drilling.

Ordering Information

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<th>Series</th>
<th>Length</th>
<th>Finish</th>
<th>Lens</th>
<th>Lamp Qty</th>
<th>Lamp Type</th>
<th>Ballast Qty</th>
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<th>Voltage</th>
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- **Lamp Qty:** (Cross Section)
- **Lamp Type:**
  - Two Foot Lengths
    - 14 F31T8
  - Three Foot Lengths
    - 21 F31T8
    - 25 F25T8
  - Four Foot Lengths
    - 28 F31T8
  - 32 F37T8

- **Ballast Type:**
  - EB: Elec<br> 200/6/THD (T1 only)
  - FE: Elec<br> <106/THD (T1 only)
  - RE: Elec<br> <106/THD (T5 only)

* Dry Location only (EL option). One lamp maximum in emergency mode.
* 2" and 3" fixtures available in one lamp cross section only; have minimum 350-550 lumen battery pack.
* F fixtures only.

1020 Lakeside Drive Gurnee, Illinois 60031 847-360-8200 FAX 847-360-1781 www.kenall.com
Rough-house Series

RHL7 Series - ADA Compliant
TS and TB Lamps
Ceiling/Wall Mount/Surface - Linear Fluorescent
Nominal 7"x24", 7"x36" and 7"x48"

Architectural Linear Lighting for Rough Service Indoor Environments

Specifications


End Caps: High impact resistant, injection molded black or white polycarbonate.

Reflector: Full reflector/wire cover - 92% reflectivity.

Electrical: Standard electronic ballast for TB lamps (E) Instant Start: UL listed, Class P: Class A audible noise rating >98% power factor; <20% THD, 0°F minimum starting temperature. Optional electronic ballast for TS lamps (PB): Instant Start: UL listed, Class P: Class A audible noise rating >98% power factor; <10% THD, 0°F minimum starting temperature. Standard electronic ballast for TS lamps (PB): Program Rapid Start: suitable for use with occupancy switches. UL listed, Class P: Class A audible noise rating >98% power factor; <10% THD, 0°F minimum starting temperature.

Hardware: Stainless steel tamper-resistant POSGRIP™ fasteners.

Listed/Certifications: UL and CUL listed for Damp Locations.

Installation: Standard four-point (24" and 36") or six-point (48") housing, mounting required for One Year Guarantee. For surface conduit installation, end cap interior is provided with drill points for field drilling.

Ordering Information

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<tr>
<td>110/120/240V (78°)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Lumen Battery Pack (90 Minutes, 32°F Starting Temperature)</td>
</tr>
<tr>
<td>1100 Lumen Battery Pack (90 Minutes, 32°F Starting Temperature)</td>
</tr>
<tr>
<td>Single Flex &amp; Holder</td>
</tr>
<tr>
<td>Phillips Head Lamp Retention Screw</td>
</tr>
</tbody>
</table>

* Only one lamp maximum in emergency mode.
* 2 and 3 fixtures available in one lamp cross section only (see minimum 350-450 lumen battery pack).
* 4 fixtures only.
Rough-house Series

RHL7 Series - ADA Compliant
T5 and T8 Lamps
Ceiling/Wall Mount/Surface - Linear Fluorescent
Nominal 7"x24", 7"x36" and 7"x48"

Architectural Linear Lighting for Rough Service Indoor Environments

Specifications


End Caps: High impact resistant, injection molded black or white polycarbonate.

Reflector: Full reflector/wire cover - 92% reflectivity.

Electrical: Standard electronic ballast for T8 lamps (E8) Instant Start; UL listed, Class P, CUL listed, Class A. Audible noise rating: <98.8 power factor: <10% THD, DPF minimum starting temperature. Optional electronic ballast for T8 lamp: (PEO) Instant Start; UL listed, Class P, Class A. Audible noise rating: <98.8 power factor: 10% THD, DPF minimum starting temperature. Standard electronic ballast for T5 lamp: (PEO) Program Rapid Start; Suitable for use with occupancy switches. UL listed, Class P, Class A. Audible noise rating: <98.8 power factor: <10% THD, DPF minimum starting temperature.

Hardware: Stainless steel tamper-resistant POSGRIP™ fasteners.

Listings/Certifications: UL and CUL listed for Lamp Locations.

Installation: Standard four-point (24" and 36") housing or six-point (48") housing mounting required for One Year Guarantee. For surface conduit installation, end cap interior is provided with drill points for field driling.

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Length</th>
<th>Finish</th>
<th>Lens</th>
<th>Lamp Qty</th>
<th>Lamp Type</th>
<th>Ballast Qty</th>
<th>Voltage</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHL7</td>
<td>24&quot;</td>
<td>2</td>
<td>PB</td>
<td>1</td>
<td>T12</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>2</td>
<td>CP</td>
<td>1</td>
<td>T12</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>36&quot;</td>
<td>2</td>
<td>CP</td>
<td>1</td>
<td>T12</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

*Lamp Qty (Cross Section): 2 (60")

*Footnotes:
- E8 = Electronic, EB = Electric, EB < 10% THD (TB only)
- P8 = Program, PB = Phillips Head, P8 < 10% THD (TB only)

*2 and 3' fixtures available in one lamp cross section only; see minimum 350-450 lumen battery pack.

*4' fixtures only.

1020 Lakeside Drive, Gurnee, Illinois 60031 847-360-8200 FAX 847-360-1781 www.kenall.com
**Specification grade:**
High lumen, low profile;
For standard and high output T5/T8;
Automatic code-compliant testing

**Product Summary**

- UL LISTED: Factory or Field Installation (Indoor and Damp)
- U.S. Patent No. 6,339,796 and 5,666,029
- Illumination Time: 90 Minutes
- Initial Light Output: 800 - 1325 Lumens @ 25°C
- Full Warranty: 5 Years (NOT pro-rata)
- Universal Input Voltage: 120 Through 277 VAC, 50 or 60 Hz
- AC Input Current: 50 mA
- AC Input Power Rating: 5.0 Watts
- Test Switch: Single Pole
- Battery: High-Temperature, Maintenance-Free Nickel-Cadmium Battery 7- to 10-Year Life Expectancy
- Battery Charging Current: 150 mA
- Recharge Time: 24 Hours
- Charging Indicator Light: LED
- Temperature Rating (Ambient): 0°C to +50°C (32°F to 122°F)
- Dimensions: 22.5" x 1.18" x 1.18" (572 mm x 30 mm x 30 mm)
- Mounting Center: 22.1" (561 mm)
- Weight: 3.5 lbs. (1.5 kg)

**APPLICATION**
The REDiTEST® LP600STU low-profile fluorescent emergency ballast works in conjunction with a low-profile or standard-size AC ballast to convert T5 and T8 fluorescent fixtures into unobtrusive emergency lighting. The emergency ballast consists of a battery, charger and electronic circuitry in one compact case. The LP600STU can be used with one standard or high-output T5 or T8 lamp or one 4-pin long compact fluorescent lamp (see Table 1). It is also compatible with most one-, two-, three- and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The LP600STU is suitable for indoor and damp locations and for sealed and gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please contact the factory. Recommended applications include: emergency lighting for pendant, core, recessed indirect/direct, surface-mount and architectural lighting commonly used in office, hospitality, healthcare, retail and educational facilities, as well as for international line voltages, drilling rigs where generators are the primary source of power and other applications requiring higher tolerance of line voltage variation or harmonic distortion.

**OPERATION**
During normal operation, the LP600STU constantly monitors battery voltage. When AC power fails, the LP600STU immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and, using a patented circuit, delays AC ballast operation for approximately 3 seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. During automated testing, the LP600STU simulates an AC power failure, causing the emergency ballast to switch to emergency mode and conduct a discharge test to monitor battery voltage and discharge current. If the LP600STU detects a problem, the status indicator light flashes and, if selected, the audible alarm sounds. When testing is complete, the LP600STU returns to the charging mode. The LP600STU automatically tests emergency lighting for 30 seconds every 30 days and 90 minutes once a year.

**INSTALLATION**
The LP600STU does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched fixture must be converted to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The LP600STU may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

**UL and CODE COMPLIANCE**
The LP600STU has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.
CONDOR

APPLICATION - A distinctive blend of graceful shape and scale combined to produce glare free broad distribution illumination. Choose from cable or direct surface mounting styles. The perforated lamp enclosure is supplied with a white acrylic liner for brightness control. Available for use with T5 or T8 lamps. See chart for lamp choices and options.

HOUSING - Die formed cold rolled steel, textured white polyester powder coated finish.

REFLECTOR - Die formed steel, white polyester powder coat finish.

DIFFUSER - Opal white acrylic with a linear perforated basket.

BALLAST - Solid state electronic, 120V thru 277V.

MOUNTING - Specify pendant mount kit, or aircraft cable kit supplied with adjustable hanger.

SOCKET - Polycarbonate looking socket.

LAMPS - T5 or T8 lamps (by others).

PHOTOMETRICS - Please visit our web site at www.ls1-industries.com for detailed photometric data.

LISTING - UL listed to U.S. and Canadian safety standards. Suitable for damp location. IBEW Union made in the U.S.A.

---

Fixtures | Height (A) | Width (B) | Length (C)
---------|-----------|-----------|-----------
350-4"   | 5" (127mm)| 11-3/4" (298mm) | 49-1/2" (1257mm) |
350-6"   | 5" (127mm)| 11-3/4" (298mm) | 99-1/2" (2527mm) |

---

LUMINAIRE ORDERING INFORMATION

Prefix | Mounting Options | Length | Lamps in Cross Section | Lamp Type | Ballast | Options | Voltage |
-------|------------------|--------|------------------------|-----------|---------|---------|---------|
350    | S - Surface      | 4      | 1                      | 26 - 26W T5 | SSO - T8 Instant Start | CANS - 5" canopy for non-feed ACK | 120 - 120V |
       |                  | 6      | 2                      | 54 - 54W T5 HO | SSOL - T8 Low Watt | F - Fusing | 277 - 277V |
       |                  |        |                        | 32 - 32W T8 | SSOSL - T8 High Power Factor | EM - Emergency Pack | 347 - 347V |
       |                  |        |                        |           | SSOR - T8 Rapid Start | PM - Premade Plug-in Assembly (specify circuitry) | UE - Universal Electronic (120-277V) |

EXAMPLE OF A TYPICAL ORDER

350 S 4 2 32 SSO EM UE

1 - Includes 5" canopy for feed
2 - For J-Box mounting
3 - Not available for damp location.

PROVIDE ROW INFORMATION AS REQUIRED

---

Project Name:  CU ANDREWS HALL  
Fixtures Type: C  
Catalog #: 350-S-4-232-SSOR-UE  
© 2007  
LSI INDUSTRIES INC.
stem mount  
**skydome™**

**FEATURES**
- Pendant mount fluorescent round dome with acrylic diffuser.
- Nominal 2', 3' or 4' diameter housings are available.
- Shallow 4.5" deep housing maintains low profile.
- Concave lens design ensures an evenly illuminated diffuser.

Skydome™ is a good choice for open public spaces such as airport concourses, large lobbies, reception areas, schools and meeting rooms.

**DIMENSIONAL DATA**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Lamping Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>2 LAMP B1AX, 1 LAMP T8U6</td>
</tr>
<tr>
<td>3'</td>
<td>3 LAMP T8U6, 6 LAMP T5 &amp; T5HO (6)- 14w or 24w</td>
</tr>
<tr>
<td>4'</td>
<td>5 LAMP T8U6, 7 LAMP T5 &amp; T5HO (3)- 14w or 24w &amp; (4)- 39w or 21w</td>
</tr>
</tbody>
</table>

**CONTRACTOR TO VERIFY:**

<table>
<thead>
<tr>
<th>Voltage:</th>
<th>Row Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colors/ Finishes:</td>
<td>Switching Options:</td>
</tr>
<tr>
<td>Ceiling Type:</td>
<td>Suspension Lengths:</td>
</tr>
<tr>
<td>Specific Dimming Ballasts (if required):</td>
<td>Other:</td>
</tr>
</tbody>
</table>

**PERFORMANCE**
- 6-LAMP T5HO 59% Efficiency 3877 cd @ 0°
- See Photometric section for additional performance data.
**FEATURES**

Pendant mount fluorescent round dome with acrylic diffuser.

Nominal 2', 3', or 4' diameter housings are available.

Shallow 4.5" deep housing maintains low profile.

Concave lens design ensures an evenly illuminated diffuser.

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<th>Row Information:</th>
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<td>Suspension Lengths:</td>
</tr>
<tr>
<td>Specific Dimming Ballasts (if required):</td>
<td>Other:</td>
</tr>
</tbody>
</table>

**PERFORMANCE**

6-Lamp T5HO
59% Efficiency
3877 cd @ 0°

See Photometric section for additional performance data.
stem mount
skydome™

**FEATURES**

Pendant mount fluorescent round dome with acrylic diffuser.

Nominal 2', 3' or 4' diameter housings are available.

Shallow 4.5" deep housing maintains low profile.

Concave lens design ensures an evenly illuminated diffuser.

Skydome™ is a good choice for open public spaces such as airport concourses, large lobbies, reception areas, schools and meeting rooms.

**COMPANY**

Cu Andrew Hall - Ludvik

---

**DIMENSIONAL DATA**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Lamping Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>2 LAMP BIAX, 1 LAMP TBU6</td>
</tr>
<tr>
<td>3'</td>
<td>3 LAMP TBU6, 6 LAMP T5 &amp; TSHO (6) 24w or 24w</td>
</tr>
<tr>
<td>4'</td>
<td>5 LAMP TBU6, 7 LAMP T5 &amp; TSHO (3) 14w or 24w &amp; (4) 39w or 21w</td>
</tr>
</tbody>
</table>

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**CONTRACTOR TO VERIFY:**

<table>
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<tr>
<th>Voltage:</th>
<th>Row Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colors/ Finishes:</td>
<td>Switching Options:</td>
</tr>
<tr>
<td>Ceiling Type:</td>
<td>Suspension Lengths:</td>
</tr>
<tr>
<td>Specific Dimming Ballasts (if required):</td>
<td>Other:</td>
</tr>
</tbody>
</table>

---

**PERFORMANCE**

6-Lamp TSHO
59% Efficiency
3877 cd @ 0°

See Photometric section for additional performance data.
stem mount
skydome™

FEATURES
Pendant mount fluorescent round dome with acrylic diffuser.
Nominal 2', 3' or 4' diameter housings are available.
Shallow 4.5' deep housing maintains low profile.
Concave lens design ensures an evenly illuminated diffuser.

Skydome™ is a good choice for open public spaces such as airport concourses, large lobbies, reception areas, schools and meeting rooms.

DIMENSIONAL DATA

lamping options
2' diameter
2 LAMP B1AX
1 LAMP T8U6

3' diameter
3 LAMP T8U6
6 LAMP T5 & T5HO
(b)-14w or 24w

4' diameter
5 LAMP T8U6
7 LAMP T5 & T5HO
39w or 21w

CONTRACTOR TO VERIFY:
Voltage: Row Information:
Colors/Finishes: Switching Options:
Ceiling Type: Suspension Lengths:
Specific Dimming Ballasts (if required): Other:

PERFORMANCE
6-Lamp T5HO
59% Efficiency
3877 cd Φ 0°
See Photometric section for additional performance data.
CONSTRUCTION Formed cold rolled steel housing. Highly reflective die-formed white painted steel reflector. 125° diffuse acrylic lens with matte finish, removable for lamp replacement.


MOUNTING Edges is designed to rest into lay-in ceilings (specify trims G1, G9 or G5) or non-accessible ceilings (specify trims FL or NF). Consult factory for detailed installation instructions.

FINISH Standard powder-coat white painted finish on exposed trim, consult factory for custom colors.

LABELS cUL Listed, approved for dry/damp location unless otherwise noted.

LUMINAIRE SPECIFICATION

<table>
<thead>
<tr>
<th>E4A-</th>
<th>2T8-</th>
<th>(OSR.PSN):&lt;10% THD</th>
<th>OSRAM</th>
<th>PSN BALLAST</th>
<th>W-</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOUSING</td>
<td>LAMPS</td>
<td>LENGTH</td>
<td>MOUNTING</td>
<td>VOLTAGE</td>
<td>FINISH</td>
</tr>
<tr>
<td>24x10cm</td>
<td>(2) T8 Lamp</td>
<td>Individual Units</td>
<td>Acoustical Grid Ceiling</td>
<td>120-120-120</td>
<td>Matte- White</td>
</tr>
<tr>
<td></td>
<td></td>
<td>277- 277 V</td>
<td>On-Grid Solution*</td>
<td>277- 277 V</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9-25&quot; Ceiling Grid</td>
<td>G9G- Screw Slot Ceiling Grid</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9-25&quot; Ceiling Grid</td>
<td>Architectural Continuous Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9-25&quot; Ceiling Grid</td>
<td>Inaccessible Ceiling</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9-25&quot; Ceiling Grid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMPONENTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Individual Luminaires

| 2" | (3) 17 Watt T8 lamps |
| 3" | (3) 25 Watt T8 lamps |
| 4" | (3) 32 Watt T8 lamps |
| 6" | (4) 25 Watt T8 lamps (2 lamps per unit) |
| 8" | (4) 32 Watt T8 lamps (2 lamps per unit) |

Configuration

Continuous joining

Illuminated Connector
CONSTRUCTION: Formed cold rolled steel housing. Highly reflective die-formed white painted steel reflector, 125° diffuse acrylic lens with matte finish, removable for lamp replacement.


MOUNTING: Edge is designed to rest into lay-in ceilings (specify trim G1, G9 or G2) or non-accessible ceilings (specify trim FL or NF). Consult factory for detailed installation instructions.

FINISH: Standard powder-coat white painted finish on exposed trim, consult factory for custom colors.

LABELS: UL Listed, approved for dry/damp location unless otherwise noted.

LUMINAIRE SPECIFICATION

<table>
<thead>
<tr>
<th>E4A-</th>
<th>2T8-</th>
<th>(DOSR PSN)=&lt;100%, THD&lt;0.3% OSRAM PSN BALLAST</th>
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</thead>
<tbody>
<tr>
<td>HOUSING</td>
<td>LAMPS</td>
<td>LENGTH</td>
</tr>
<tr>
<td>E4A- (g)</td>
<td>2T8-</td>
<td>Individual Units</td>
</tr>
<tr>
<td>(2) T8 Lamp</td>
<td></td>
<td>2'- 2'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3'- 3'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6'- 6'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8'- 8'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continuous Runs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G1- 1&quot; Ceiling Grid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G9G- 9/16&quot; Ceiling Grid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G9G-Screw Slot Ceiling Grid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>XX- Specify nominal overall row length in Y increments</td>
</tr>
</tbody>
</table>

COMPONENTS

Individual Luminaires

2' (2) 17 Watt T8 lamps

3' (2) 25 Watt T8 lamps

4' (2) 32 Watt T8 lamps

6' (4) 25 Watt T8 lamps (2 lenses per unit)

8' (4) 32 Watt T8 lamps (2 lenses per unit)

Configuration

Continuous joining

Illuminated Connector

Pinnacle Architectural Lighting

5660 East 47th Avenue Drive

Denver, Colorado 80216

Phone 303.322.5570

Fax 303.322.5668

September 2005

www.pinnacle-lg.com
CONSTRUCTION Formed cold rolled steel housing. Highly reflective die-formed white painted steel reflector, 125° diffuse acrylic lens with matte finish, removable for lamp replacement.


MOUNTING Edge is designed to rest into lay-in ceilings (specify trims G1, G8 or G5) or non-accessible ceilings (specify trims FL or NF), consult factory for detailed installation instructions.

FINISH Standard powder-coat white painted finish on exposed trim, consult factory for custom colors.

LABELS cUL listed, approved for dry/damp location unless otherwise noted.

LUMINAIRE SPECIFICATION

**OSRAM PSN)** -<10% THD OSRAM PSN BALLAST

<table>
<thead>
<tr>
<th>HOUSING</th>
<th>LAMPS</th>
<th>LENGTH</th>
<th>MOUNTING</th>
<th>VOLTAGE</th>
<th>FINISH</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4A-</td>
<td>2T8-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Component: Individual Luminaires

- **2'** (2) 17 Watt T8 lamps
- **3'** (2) 25 Watt T8 lamps
- **4'** (2) 25 Watt T8 lamps
- **5'** (2) 25 Watt T8 lamps (2 lamps per unit)
- **8'** (2) 25 Watt T8 lamps (2 lamps per unit)

Configuration

Continuous joining Illuminated Connector
CONSTRUCTION Formed cold rolled steel housing, highly reflective die-formed white painted steel reflector, 125° diffuse acrylic lens with matte finish, removable for lamp replacement.

ELECTRICAL Standard instant start UL listed Class P, T8 electronic, 85% Rated A, thermally protected, High Power Factor ballasts less than 20% THD. Through wiring with quick connects standard. Standard single circuit.

MOUNTING Edge is designed to rest into lay-in ceilings (specify trims G1, G2 or G3) or non-accessible ceilings (specify trims FL or NF). Consult factory for detailed wiring instructions.

FINISH Standard powder-coat white painted finish on exposed trim, consult factory for custom colors.

LABELS CUL Listed, approved for dry/damp location unless otherwise noted.

LUMINAIRE SPECIFICATION

**E4A-2T8-**

HOU NGS | LAMPS | LENGTH | MOUNTING | VOLTAGE | FINISH | OPTIONS
---|---|---|---|---|---|---
2T8- 2-7 | Individual Units | Acoustical Grid Ceiling | 120-277V | W- 
6-8 | Continuous Runs | On-Grid Solution* | 4'-347V | CC- Made Custom Color
xx** Specify nominal overall row length in 1' increments | G10- 1' Ceiling Grid | Dimming | CB- Compact Fluorescent
G90- 9/16' Ceiling Grid | EB- Battery | NM- Neutralized Circuit
GSG- Screw Slot Ceiling Grid | EC- Emergency | OP- Opal
Architectural Continuous Rows | OCF- Front Circuit | CL- Illuminated Connector
G1- 1' Ceiling Grid | TS-7W FL | TSHD-12W FL
G8- 9/16' Ceiling Grid | TS-3W FL | TSHD-12W FL
G8- Screw Slot Ceiling Grid | TS-7W FL | TSHD-12W FL
Inaccessible Ceiling | TSHD-12W FL |

*Available in 2', 4' and 6' foot lengths only
*Add CL to all fixture types involved in the connector layout, approved drawings required.

COMPONENTS

Individual Luminaires

<table>
<thead>
<tr>
<th>Length</th>
<th>Lamps</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>(2) 17 Watt T8 Lamps</td>
<td>Continuous Jointing</td>
</tr>
<tr>
<td>3'</td>
<td>(2) 25 Watt T8 Lamps</td>
<td>Illuminated Connector</td>
</tr>
<tr>
<td>4'</td>
<td>(2) 30 Watt T8 Lamps</td>
<td></td>
</tr>
<tr>
<td>6'</td>
<td>(4) 35 Watt T8 Lamps</td>
<td></td>
</tr>
<tr>
<td>8'</td>
<td>(4) 32 Watt T8 Lamps</td>
<td></td>
</tr>
</tbody>
</table>
ROUGHLYTE™ Series
26, 32, 42 Watt (HF) Compact Fluorescent

ORDERING INFORMATION
Catalog Number: Example: VWXL42/HFL-1

FIXTURE
WXL-Wall Mount

WATTAGE
26-26W
32-32W
42-42W

LAMP SOURCE
HFL-Compact Fluorescent

VOLTAGE
1-120V
4-277V

Note: Not for use in hazardous or classified locations. Not for recessed mounting.

ACCESSORIES
Accessories - See page 5-A

TECHNICAL INFORMATION

PRODUCT SPECIFICATIONS

- Restaurants, Taverns or Night-clubs, Food Courts, Atriums or Plazas, Malls, Retail Outlets, Stores, Athletic Clubs and Facilities, Theaters, Arenas, Stadiums, Amusement Parks.
- Precision die cast aluminum electrical enclosure.
- Die cast aluminum ballast box.
- Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing.
- Corrosion resistant Draplex II polyester powder finish.
- Optional designer finishes available.
- Compact fluorescent ballasts are Electronic HPF >95%, <10% THD.
- PLT four pin base GX24q-3 (25/32W), GX24q-4 (42W).
- Starting temperature: 0°F/-18°C.
- Low glare clear prismatic glass globe standard.
- Approximately 40% upright.
- UL 1598 listed for wet locations – globe down only.

UL Wet Location Listed.

Roughlyte is a registered trademark of Stonco and is not for use in hazardous areas.
FEATURES & SPECIFICATIONS

INTENDED USE
Provides task or accent illumination in residential and light commercial applications. Ideal for use under cabinets offering shadow-free lighting in kitchens and work areas, in bookcases, display cabinets or above cabinets setting a warm, inviting atmosphere in the kitchen.

ATTRIBUTES
Rugged post painted low profile housing with snap on/off hinged service tray for quick installation and wiring. Shatter-resistant, acrylic white diffuser provides soft widespread illumination with zip-lock design for easy lamp access, cleaning and superior retention. Separate snap on/off service tray for easy maintenance. Available in five lengths, on/off rocker switch standard with magnetic ballast fixtures, electronic ballast fixtures can be ordered with or without on/off rocker switch.

Utilizes linear T5 lamp(s) for energy efficiency, superior color rendering and long life. Can be ordered with lamps included as standard with magnetic pre-heat ballast fixtures only, other fixtures, lamps are not included.

Electronic ballast (120 volt, 800 vac) fixtures ensures no flickering and quiet operation without interfering with other home electronics. Can be ordered with Magnetic Pre-Heat ballast as standard. Use with non-dimmable switches only.

All mounting hardware included.

LISTING
CUL listed to US and Canadian safety standards and suitable for damp locations. ENERGY STAR qualified.

WARRANTY
Guaranteed for two years against mechanical defects in manufacture.

DIMENSIONS

<table>
<thead>
<tr>
<th>Nominal</th>
<th>Lamp Configuration</th>
<th>Model Number</th>
<th>Number of Lamps</th>
<th>(A) Width</th>
<th>(B) Length</th>
<th>(C) Extension*</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td></td>
<td>UC 12</td>
<td>(1) 8W linear T5</td>
<td>5' (12.7)</td>
<td>12-3/4&quot; (32.3)</td>
<td>1-1/8&quot; (2.9)</td>
</tr>
<tr>
<td>21&quot;</td>
<td></td>
<td>UC 21</td>
<td>(1) 13W linear T5</td>
<td>5' (12.7)</td>
<td>21-3/4&quot; (54.3)</td>
<td>1-1/8&quot; (2.9)</td>
</tr>
<tr>
<td>24&quot;</td>
<td></td>
<td>UC 24</td>
<td>(2) 8W linear T5</td>
<td>5' (12.7)</td>
<td>24-1/4&quot; (61.5)</td>
<td>1-1/8&quot; (2.9)</td>
</tr>
<tr>
<td>32&quot;</td>
<td></td>
<td>UC 32</td>
<td>(1) 8W &amp; (1) 13W linear T5</td>
<td>5' (12.7)</td>
<td>23-1/2&quot; (59.1)</td>
<td>1-1/8&quot; (2.9)</td>
</tr>
<tr>
<td>42&quot;</td>
<td></td>
<td>UC 42</td>
<td>(2) 13W linear T5</td>
<td>5' (12.7)</td>
<td>42-1/2&quot; (108.0)</td>
<td>1-1/8&quot; (2.9)</td>
</tr>
</tbody>
</table>

* Extension from ceiling

ACCESSORIES/REPLACEMENT PARTS

Example: UC 12 120

ORDERING INFORMATION
Choose the building entry configuration that best suits your needs and write it on the appropriate line. Order accessories and replacement parts as separate catalog numbers.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Ballast Type</th>
<th>Cord &amp; Plug</th>
<th>Rocker Switch</th>
<th>Convenience Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC12 12&quot; - (1) 8W linear T5 fluorescent lamp required</td>
<td>Magnetic preheat ballast (blank)</td>
<td>No cord &amp; plug</td>
<td>No switch</td>
<td>No convenience outlet</td>
</tr>
<tr>
<td>UC21 21&quot; - (1) 13W linear T5 fluorescent lamp required</td>
<td>Electronic ballast (blank)</td>
<td>CSW</td>
<td>Rocker switch</td>
<td>CO</td>
</tr>
<tr>
<td>UC42 42&quot; - (2) 13W linear fluorescent lamps required</td>
<td>(blank)</td>
<td>No lamps</td>
<td>No switch</td>
<td>No convenience outlet</td>
</tr>
</tbody>
</table>

Notes:
1. Lamps not included.
2. Use with non-dimmable switches only.
3. Use only in cabinet fixtures that can be converted from a single source power source. Can not exceed 300 watts from the lamp wattage.
4. SWR standard qualified.
5. Available only in magnetic preheat ballast.
6. SWR standard with magnetic ballast and must be indicated in catalog number.

Light Concepts Indoor General Purpose - Cabinet Lighting
Sheet #05GU DEC-625
FEATURES & SPECIFICATIONS

INTENDED USE
For applications that require the clean appearance of a low profile, brightness controlled wraparound. Provides broad distribution of light for offices, schools and corridors.

ATTRIBUTES
Curved prismatic diffuser with linear side prisms minimize lamp image and provides high angle brightness control. Luminous end plates soften appearance for improved aesthetics.

CONSTRUCTION
Metal parts are die formed from code-gauge steel. Prismatic diffuser is 100% acrylic with sonically welded lumineous ends. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance.

FINISH
Five stage iron-phosphate pretreatment assure superior paint adhesion and rust resistance. Painted parts finished with high-gloss, high-reflectivity baked white polyester enamel (low VOC).

ELECTRICAL SYSTEM
Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Luminaires are suitable for damp locations. AWM, TFRN or THWN wire used throughout, rated for required temperatures. UL/CSA listed ballast disconnect wiring relief and leads provided standard. UL Listed (standard). Optional: Canada CSA or c-UL, Mexico NOM.

WARRANTY
Guaranteed for one year against mechanical defects in manufacture.

ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).

Example: LB 2 32 MVOLT GEB101S

<table>
<thead>
<tr>
<th>Series</th>
<th>Number of Lamps</th>
<th>Lamp Type</th>
<th>Voltage</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB</td>
<td>17 T8 14W</td>
<td>120</td>
<td>GEB101S</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>277</td>
<td>247</td>
<td>GEB101S</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>14W T8 28W T8</td>
<td>247</td>
<td>GEB101S</td>
<td></td>
</tr>
<tr>
<td>MVOLT</td>
<td>Others available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE:
1. Must specify voltage.
2. All T5 lamp types use GEB101PS ballast only.

SPECIFICATIONS

Length: 24 (91.44) (122.00) or 96 (243.88) Width: 10 (25.40)
Depth: 3 (76.22)

All dimensions are inches (centimeters).
Specifications subject to change without notice.

Accessories

SQ Swivel-stem hanger (specify in 2' increments).
LH Ceiling spacer (adjusts from 1-1/2' to 2-1/2' from ceiling).
DSH24 Double stem hanger for 4' fixtures, 24' stems.

Fluorescent Sheet # LB N WRAP-170
FEATURES & SPECIFICATIONS

INTENDED USE
For applications that require the clean appearance of a low profile, brightness controlled wraparound. Provides broad distribution of light for offices, schools and corridors.

ATTRIBUTES
Curved prismatic diffuser with linear side prisms minimize lamp image and provides high angle brightness control. Luminous end plates soften appearance for improved aesthetics.

CONSTRUCTION
Metal parts are die formed from cold-rolled steel. Prismatic diffuser is 100% acrylic with sonically welded luminous ends. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance.

FINISH
Five stage iron-phosphate pretreatment assure superior paint adhesion and rust resistance. Painted parts finished with high-gloss, high-reflectivity baked white polyester enamel (low VOC).

ELECTRICAL SYSTEM
Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Luminaires are suitable for damp locations. AWM, THHN or THWN wire used throughout, rated for required temperatures. UL/CSA listed ballast disconnects to safety relief and leads provided standard.

LISTING
UL Listed (standard). Optional: Canada CSA or c-UL. Mexico NDM.

WARRANTY
Guaranteed for one year against mechanical defects in manufacture.

ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).

Example: LB 2 32 MVOLT GEB10IS

<table>
<thead>
<tr>
<th>LB</th>
<th></th>
<th>2</th>
<th>32</th>
<th>MVOLT</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>Number of lamps</td>
<td>Lamp type</td>
<td>Voltage</td>
<td>GEB10IS</td>
<td>GEB10PS</td>
</tr>
<tr>
<td>LB 2 lamps, 10&quot; wide</td>
<td>2</td>
<td>17W TS (24&quot;)</td>
<td>120</td>
<td>Electronic ballast, &lt;10% THD, instant start</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>32W TS (46&quot;)</td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>14W TS (24&quot;)</td>
<td>347</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>28W TS (46&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MVOLT</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB10IS</td>
<td>Lamped</td>
</tr>
<tr>
<td>GEB10PS</td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td>Emergency battery pack (nominal 300 lumens, see Life Safety Section)</td>
</tr>
<tr>
<td>LIR</td>
<td>Internal fast-blow fuse</td>
</tr>
<tr>
<td>GMF</td>
<td>Internal slow-blow fuse</td>
</tr>
<tr>
<td>LSC</td>
<td>Lens safety clips (2 per fixture)</td>
</tr>
<tr>
<td>CSA</td>
<td>Listed and labeled to comply with Canadian Standards</td>
</tr>
<tr>
<td>SSR</td>
<td>Specular silver interior finish (95% reflective)</td>
</tr>
<tr>
<td>EL14</td>
<td>Emergency Battery Pack 1400 Lumens</td>
</tr>
</tbody>
</table>

Accessories OSRAM/Sylvania Porgrammed Start

ORDER as separate item

SQ Swivel-stem hanger (specify in 2' increments).
1B Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).

DSH24 Double stem hanger for 4" fixtures, 24" stems.

NOTES:
1 Must specify voltage.
2 All TS lamp types use GEB10PS ballast only.
**FEATURES & SPECIFICATIONS**

**INTENDED USE**
Recessed frame-in rated Non-IC for new construction and remodel applications. Approved for all ceiling and wiring types.

**CONSTRUCTION**
Steel frame. Cutout section on frame for remodel applications. Galvanized bar hangers span up to 24" o.c. and feature built in reeler and T-bar clips. Galvanized steel junction box with removable access door, four built-in romex clamps; two 1/2" and four 3/4" knockouts with sets for prew. Maximum 84 (4n-4o) No. 12 AWG conductors. Rated for 90°C.

Ground wires provided.

**ELECTRICAL SYSTEM**
Socket attaches to reflector with pre-mounted screw to ensure proper and consistent lamp position.

Multi-volt, 12V through 277V, electronic ballast with end of life protection. Class P thermally protected ballast protects against improper contact with insulation. Approved for through branch circuit wiring.

**INSTALLATION**
2 x 8 wood joist or T-bar installation.

Expandable bar hangers allow for off-center mounting in wood joist or T-bar ceilings. Length of 25-1/4" maximum 13-1/4" minimum or cut to fit 10-1/2" on center joint construction. Reflector is secured to frame-in by mechanical trim retention. Vertically adjustable yoke allows for flush mounting of trims to ceiling face. Accommodates ceilings up to 1-1/2" thick.

**LISTING**
UL Listed to US and Canadian safety standards. Damp location listed. (See trim selection for wet location listed.)

---

**ORDERING INFORMATION**

For shortest lead times, configure product using standard options (shown in bold).

**Example:** LF6 2/18DTT MVOLT F602AZ

**LF6**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamps</th>
<th>Volt</th>
<th>MVOLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF6</td>
<td>2/18DTT</td>
<td>120</td>
<td>277</td>
</tr>
</tbody>
</table>

**Options**

**DMHL** Lutron Compact SE™
electronic dimming ballast, 120V or 277V, minimum dimming level 5%.

**ADEZ** Advance Mark™
electronic dimming ballast, 120 or 277V; minimum dimming level 5%.

**EL** Emergency battery pack with integral test switch³

**ELR** Emergency battery pack with remote test switch³

**BDP** Ballast disconnect plug (meets codes that require in-fixture disconnect)

**GFM** Single slow-blow fuse

**WLP** 35K lamp shipped separately

**TRW** White flange

**F602** White open

**F602AZ** Clear diffuse open

**F602G** Clear specular open

**F602SZ** Gold diffuse open

**F603** Black baffle

**F603W** White baffle

**F601W** White wallwash

**F601AZ** Clear diffuse wallwash

**F601G** Gold diffuse wallwash

**F601Z** Gold specular wallwash

**F601PR** Pewter wallwash

**F601WTZ** Wheat specular wallwash

---

**GEB10 Generic Use Electronic Ballast; 10% THD**

**Accessories:**

- Order as separate catalog number.
- LBH 22" extended bar hangers, set of two
- LCBM Channel bar mounting brackets, set of two
- LGMC T-bar mounting clips, set of four

---

**NOTES:**

1 Not available with ADEZ or DMHL.
2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 36 or 60Hz.
3 Not available with EL or ELR.
4 Lens removal required before EL testing.

See trim specification sheet for maximum wattages.
FEATURES & SPECIFICATIONS

INTENDED USE
For use in Non-IC application with U6 frame-in.

CONSTRUCTION
Aluminum one-piece reflector. White integral plastic flange.
White polyestarr powder coat paint.
Opal or prismatic polycarbonate diffuser.

INSTALLATION
Rough-ins utilize yoke for mechanical trim retention.
Socket housing attaches securely to reflector.
Reflectors accommodate ceilings up to 1/2" thick.

LISTING
UL Listed to U.S. and Canadian safety standards.
Wet location listed.

CONTRACTOR TO VERIFY:

| Voltage: | Row Information: |
| Colors/ Finishes: | Switching Options: |
| Ceiling Type: | Suspension Lengths: |
| Specific Dimming abilities (if required): | Other: |

Energy (Calculated in accordance with NEMA standard LE-5)

<table>
<thead>
<tr>
<th>Fixture/ Reflector</th>
<th>LER Annual*</th>
<th>Lamps</th>
<th>Lamp Watts</th>
<th>Ballast Watts</th>
<th>Input Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>L6/6 D11/F6LD1 PF</td>
<td>11.83</td>
<td>$100.89</td>
<td>2</td>
<td>13W D11</td>
<td>1580</td>
</tr>
<tr>
<td>L6/6 D11/F6LD1 PF</td>
<td>16.81</td>
<td>$125.90</td>
<td>2</td>
<td>26W D11</td>
<td>3050</td>
</tr>
<tr>
<td>L6/6 D11/F6LD2 PF</td>
<td>13.45</td>
<td>$17.66</td>
<td>2</td>
<td>13W D11</td>
<td>1580</td>
</tr>
<tr>
<td>L6/6 D11/F6LD2 PF</td>
<td>21.67</td>
<td>$31.18</td>
<td>2</td>
<td>26W D11</td>
<td>3050</td>
</tr>
<tr>
<td>L6/6 D11/F6LD3 PF</td>
<td>10.76</td>
<td>$22.31</td>
<td>2</td>
<td>13W D11</td>
<td>1580</td>
</tr>
<tr>
<td>L6/6 D11/F6LD3 PF</td>
<td>17.18</td>
<td>$33.97</td>
<td>2</td>
<td>26W D11</td>
<td>3050</td>
</tr>
<tr>
<td>L6/6 D11/F6LD2 PF</td>
<td>12.37</td>
<td>$19.40</td>
<td>2</td>
<td>13W D11</td>
<td>1580</td>
</tr>
<tr>
<td>L6/6 D11/F6LD2 PF</td>
<td>20.04</td>
<td>$31.86</td>
<td>2</td>
<td>26W D11</td>
<td>3050</td>
</tr>
</tbody>
</table>

*Comparative yearly lighting energy cost per 1000 lumens

ordering INFORMATION
For shortest lead times, configure product using standard options (shown in bold).
Example: F6LD1 PF

Table: Housing Compatibility

<table>
<thead>
<tr>
<th>Application</th>
<th>Source</th>
<th>Maximum watts</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-IC</td>
<td>Fluorescent</td>
<td>2/26 D11</td>
<td>LT6</td>
</tr>
</tbody>
</table>

All dimensions are inches (centimeters).

Accessories:

| CTR6 | Oversize trim ring |

Downlighting and Track
**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTENDED USE**
- Reused frame-in rated Non-IC for new construction and remodel applications.
- Approved for all ceiling and wiring types.

**CONSTRUCTION**
- Steel frame, cutout section on frame for remodel applications.
- Galvanized bar hangers span up to 24" o.c. and feature built-in nailer and T-bar clips.
- Galvanized steel junction box with removable access door, four built-in romex clamps; two 1/2" and four 3/4" knockouts with slots for plywood.
- Maximum 8 (4in-4out) No. 12 AWG conductors. Rated for 90°C.
- Ground wire provided.

**ELECTRICAL SYSTEM**
- Socket attaches to reflector with pre-mounted screw to ensure proper and consistent lamp position.
- Multi-volt, 120V through 277V, electronic ballast with end of life protection.
- Class P thermally protected ballast protects against improper contact with insulation.
- Approved for through branch circuit wiring.

**INSTALLATION**
- 2 x 8 wood joist or T-bar installation.
- Expandable bar hangers allow for off-center mounting on wood joist or T-bar ceilings.
- Length of 25-1/4" maximum 13-1/4" minimum or cut to 10-1/2" on center joist construction.
- Reflector is secured to frame-in by mechanical trim retention.
- Vertically adjustable yoke allows for flush mounting of trims to ceiling face.
- Accommodates ceilings up to 1-1/2" thick.

**LISTING**
- UL Listed to US and Canadian safety standards.
- Dimmable location listed. (See trim selection for wet location listed.)

---

**CONTRACTOR TO VERIFY:**

**LF6 2/18D2T MVOLT GEB10**

**Ordering Information**

For shortest lead times, configure product using standard options (shown in bold).

Example: LF6 2/18D2T MVOLT F6O2AZ

---

**NOTES:**

1. Not available with ADEZ or DMHL.
2. Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
3. Not available with EL or ERL.
4. Lens removal required before EL testing.

See trim specification sheet for maximum wattages.

---

**ACCESORIES:**

**Order as separate catalog number.**

- LBH 22' extended bar hangers, set of two
- LOMB Channel bar mounting brackets, set of two
- LSMC T-bar mounting clips, set of four
FEATURES & SPECIFICATIONS

INTENDED USE
For use in Non-IC application with the LF6 frame-in.

CONSTRUCTION
Aluminum one-piece reflector.
White polyester powder coat paint. White integral flange.
Diffuse or specular finishes have matching integral flange.

INSTALLATION
Rough-ins utilize yoke for mechanical trim retention.
Socket housing attaches securely to reflector.
Reflectors accommodate ceilings up to 1-1/2" thick.

LISTING
UL listed to US and Canadian safety standards.
Damp location listed.

6" Finishing Trims
OPEN REFLECTOR
Horizontal Lamp

F602

CONTRACTOR TO VERIFY:

<table>
<thead>
<tr>
<th>Voltage:</th>
<th>Row Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colors/ Finishes:</td>
<td>Switching Options:</td>
</tr>
<tr>
<td>Ceiling Type:</td>
<td>Suspension Lengths:</td>
</tr>
<tr>
<td>Specific Dimming Ballasts (if required):</td>
<td>Other:</td>
</tr>
</tbody>
</table>

Specifications
Aperture Size (Inside diameter): 6-1/8" (15.6)
Overlap Trim (Outside Diameter): 7-1/2" (19)
Height: 6-5/8" (16.8)

All dimensions are inches (centimeters).

ORDERING INFORMATION
For shortest lead times, configure product using standard options (shown in bold).
Example: F602A

<table>
<thead>
<tr>
<th>F602</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>(blank)</td>
<td>White</td>
<td>TRW - White flange with anodized trims</td>
</tr>
<tr>
<td>A</td>
<td>Clear diffuse</td>
<td></td>
</tr>
<tr>
<td>AZ</td>
<td>Clear specular open</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Gold diffuse</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>Pewter</td>
<td></td>
</tr>
<tr>
<td>GZ</td>
<td>Gold specular</td>
<td></td>
</tr>
<tr>
<td>WTZ</td>
<td>Wheat specular</td>
<td></td>
</tr>
</tbody>
</table>

Compatibility

<table>
<thead>
<tr>
<th>Used On</th>
<th>Lamp Type</th>
<th>Maximum Lamp Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF6</td>
<td>Compact fluorescent</td>
<td>2/26W DTT</td>
</tr>
</tbody>
</table>

Accessories
Order as separate catalog number.

CTR6 Oversize Trim Ring

Downlighting and Track
Sheet #: F602-COM  COPN-130
FEATURES & SPECIFICATIONS

INTENDED USE
Recessed frame-in rated Non-IC for new construction and remodel applications. Approved for all ceiling and wiring types.

CONSTRUCTION
Steel frame. Cutout section on frame for remodel applications. Galvanized hangers span up to 24" o.c. and feature built in nailer and T-bar clips. Galvanized steel junction box with removable access door, four built-in remex clamps; two 1/2" and four 3/4" knockouts with slots for Pryout. Maximum 8 fixtures. No 12 AWG conductors. Rated for 90°F C. Ground wire provided.

ELECTRICAL SYSTEM
Socket attaches to reflector with pre-mounted screw to ensure proper and consistent lamp position. Multi-volt, 120V through 277V, electronic ballast with end of life protection. Class P thermally protected ballast protects against improper contact with insulation. Approved for through branch circuit wiring.

INSTALLATION
2 x 8 wood joist or T-bar installation. Expandable bar hangers allow for off-center mounting in wood joist or T-bar ceilings. Length of 25-1/4" maximum 13-1/4" minimum or cut to fit 16-1/2" on center joint construction. Reflector is secured to frame-in by mechanical trim retention. Vertically adjustable yoke allows for flush mounting of trims to ceiling face. Accommodates ceilings up to 1-1/2" thick.

LISTING
UL Listed to US and Canadian safety standards. Damp location listed. (See trim selection for wet location listed.)

ORDERING INFORMATION
For shortest lead times, configure product using standard options (shown in bold). Example: LF6 2/18DTT MVOLT F602AZ

<table>
<thead>
<tr>
<th>LF6</th>
<th>2/18DTT</th>
<th>MVOLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| DMHL   | Lutron Compact SE™ electronic dimming ballast, 120V or 277V, minimum dimming level 5%.
| ADEZ   | Advance Mark ™ electronic dimming ballast, 120 or 277V, minimum dimming level 5%.
| EL Emergency battery pack with integral test switch
| ELR Emergency battery pack with remote test switch
| BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)
| GMF Single strobe fuse
| WLP 35K lamp (shipped separately)
| TRW White range

<table>
<thead>
<tr>
<th>GEB10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
</tr>
</tbody>
</table>
| F601Z White open
| F601A Clear diffuse open
| F602A Clear diffuse open
| F602Z Gold diffuse open
| F602G Gold specular open
| F603 Black baffle
| F603W White baffle
| F603W White diffuse wallwash
| F601 White wallwash
| F601A Clear diffuse wallwash
| F601G Gold diffuse wallwash
| F601AZ Clear specular wallwash
| F601GZ Gold specular wallwash
| F601PR Powder wallwash
| F601WTZ Wheat specular wallwash

<table>
<thead>
<tr>
<th>F601</th>
</tr>
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<tbody>
<tr>
<td>Options</td>
</tr>
<tr>
<td>F601</td>
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<tr>
<td>F601A</td>
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<td>F601G</td>
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<tr>
<td>F601AZ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reflectors</th>
</tr>
</thead>
</table>
| F601DF PF Drop opal lens
| F601ST PF Drop prismatic lens
| F601SF PF Flash lens
| F601SS PF Flash prismatic lens
| F601SP PF White splay, drop opal lens
| F601W White splay, white lens
| F601AA White splay, flat white lens
| F601AC Black baffle, flat lens
| F601AG Black baffle, flat specular lens
| F601AD Black baffle, flat prismatic lens
| F601AH White splay, tempered T33 flat prismatic lens
| F601B Black baffle, temperd T33 flat prismatic lens

NOTES:
1 Not available with ADEZ or DMHL.
2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
3 Not available with EL or ELK.
4 Lens removal required before EL testing. See trim specification sheet for maximum wattages.

Accesories:
Order as separate catalog number.

- LBH 22" extended bar hangers, set of two
- LCMB Channel bar mounting brackets, set of two
- LSMC T-bar mounting clips, set of four

Sheet #: LF6-COM CCFL-120
FEATURES & SPECIFICATIONS

INTENDED USE
For use in Non-IC application with the LP8 frame-in.

CONSTRUCTION
Aluminum one-piece reflector.
White polyester powder coat paint. White integral flange.
Diffuse or specular finishes have matching integral flange.

INSTALLATION
Rough-ins utilize yoke for mechanical trim retention.
Socket housing attaches securely to reflector.
Reflectors accommodate ceilings up to 1-1/2" thick.

LISTING
UL listed to US and Canadian safety standards.
Damp location listed.

CONTRACTOR TO VERIFY:

| Voltage: | Row Information: |
| Colors/ Finishes: | Switching Options: |
| Ceiling Type: | Suspension Lengths: |
| Specific Dimming Ballasts (if required): | Other: |

ORDERING INFORMATION
For shortest lead times, configure product using standard options (shown in bold).
Example: F602A

F602

<table>
<thead>
<tr>
<th>Series</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>F602</td>
<td>(blank)</td>
<td>TRW White flange with anodized trim</td>
</tr>
</tbody>
</table>

Accessories
Order as separate catalog number.
CTR6 Oversize Trim Ring

Compatibility

<table>
<thead>
<tr>
<th>Used On</th>
<th>Lamp Type</th>
<th>Maximum Lamp Wattage</th>
<th>IC/Non-IC</th>
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</thead>
<tbody>
<tr>
<td>LP8</td>
<td>Compact fluorescent</td>
<td>2/26W DTT</td>
<td>Non-IC</td>
</tr>
</tbody>
</table>
**LITHONIA LIGHTING®**

**FEATURES & SPECIFICATIONS**

**INTENDED USE**
Ideal where high brightness and good illumination levels are required such as retail, light industrial and warehouses.

**ATTRIBUTES**
Fixture can be assembled with snap together components and requires no tools. Available in one lamp or two lamp configuration.

**CONSTRUCTION**
Heavy-duty channel, die-formed from code-gauge steel.
Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway.
Combination endplate/channel connector furnished with each fixture.

**FINISH**
Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

**ELECTRICAL SYSTEM**
Thermally protected, resetting. Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.
AWM, TFFN, THHN wire throughout, rated for required temperatures.

**INSTALLATION**
For unit or row installations, surface or suspended mounting.

**LISTING**
UL listed to US and Canadian safety standards. Optional: Mexico NOM.

**WARRANTY**
Guaranteed for one year against mechanical defects in manufacture.
Specifications subject to change without notice.

**ORDERING INFORMATION**
For shortest lead times, configure product using standard options (shown in bold).
Example: C 2 32 MVOLT GEB1010S

---

**ACCESSORIES**
Order as separate catalog numbers.
- **SL** Swivel-stem hanger (specify length in 2" increments).
- **LS** Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).
- **DNLSC** 12" screw-on channel connector.
- **WGCUN** Wire guard, 4" white.
- **HC26** Chain hanger (1 pair, 36" long).
- **HC84** Hanger, 84" from ceiling.
- **HC128** Hanger, 128" from ceiling.
- **WGCUN** Wire guard, 4" white for symmetrical reflector.
- **WGCAR** Wire guard, 4" white for asymmetric reflector.
- **CS1M424** Symmetrical reflector, 4" white, 4" aperture.
- **CS2M412** Asymmetrical reflector, 4" white, 5-3/4" wide.

**NOTES:**
1. MVOLT standard for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
2. T8 lamps only.
3. Symline lamp only.
4. Not available in symline.
5. Order two for 8' fixtures.
**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTENDED USE**
Ideal where high brightness and good illumination levels are required such as retail, light industrial and warehouses.

**ATTRIBUTES**
Fixture can be assembled with snap together components and requires no tools. Available in one lamp or two lamp configuration.

**CONSTRUCTION**
Heavy-duty channel, die-formed from code-gauge steel.
Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway.
Combination endplate/channel connector furnished with each fixture.

**FINISH**
Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

**ELECTRICAL SYSTEM**
Thermally protected, resetting. Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.
AWM, TFPN, THHN wire throughout, rated for required temperatures.

**INSTALLATION**
For unit or row installations, surface or suspended mounting.

**LISTING**
UL listed to US and Canadian safety standards. Optional: Mexico NOM.

**WARRANTY**
Guaranteed for one year against mechanical defects in manufacture.
Specifications subject to change without notice.

**ORDERING INFORMATION**
For shortest lead times, configure product using standard options (shown in bold).

**Example:**
C 2 32 MVOLT GEB100S

---

**CONTRACTOR TO VERIFY:**

- **Voltage:**
- **Row Information:**
- **Colors/Finishes:**
- **Switching Options:**
- **Ceiling Type:**
- **Suspension Lengths:**
- **Specific Dimming Ballasts (if required):**
- **Other:**

---

**Specifications**

- **Length:** 24" (610)
  - 30" (762)
  - 48" (1219)
- **Width:** 3" (76)
  - 4-3/8" (111)
- **Fixure Depth:** 2-1/16" (52)

---

**C 2 32 MVOLT GEB100S**

**Options**

- **GEB Electronic ballasts, GEB100S Electronic ballasts, 20% TN2D**
- **BILP IS, high efficiency, 78W (low)**
- **1/4 One four-lamp ballast**
- **EL Emergency battery pack (nominal 300 lumens)**
- **GLR Internal fast-blow fuse (add X for external)**
- **GMF Internal slow-blow fuse (add X for external)**
- **PLF Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A = Black, B = Red, C = Blue, A3 or AC)**
- **TILW Tandem in-line wiring**
- **CW Cold-weather ballast; 0°F starting temp**
- **CSA CSA Certified (only required for 347V)**
- **NOM NOM Certified**

**OSPS Osram/Sylvania Programmed Start**

**EL14 Emergency Battery Pack 1400 Lumens**

---

**Accessories**

- Order as separate catalog numbers:
  - SQ: Swivel-stem hanger (specify length in 2" increments).
  - IB: Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).
  - GSUC: 1/4" screw-on channel connector.
  - WGCUN: Wireguard, 4" white.
  - HC6: Chain hangers (1 pair, 36" long).
  - HRC: Hooper T-bar hanger (flush to ceiling).
  - HRCC: Hooper T-bar hanger (1-1/2" from ceiling).
  - WGCURN: Wireguard, 4" white for symmetrical reflector.
  - WGCASR: Wireguard, 4" white for asymmetrical reflector.
  - CRSX416WH: Symmetrical reflector, 4" white, 7" aperture.
  - CARSX416WH: Asymmetrical reflector, 4" wide, 5-1/4" wide.

**NOTES:**
1. MVOLT standard for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
2. T8 lamps only.
3. Slimline lamps only.
4. Not available in slimline.
5. Order two for 8" fixtures.
EUCLID — ROUND

HOUSING — One-piece round aluminum die-cast housing is available in shallow, medium, or deep versions. Fixtures with shallow housing are ADA compliant.

WALL MOUNTING — Each fixture has a cast-in drilling template for 3-1/4" or 4" round or octagonal junction box, wireway, and wall mounting. A "level bar" is provided in the castings to aid installation of the housing in a level position which ensures proper bezel position. A "Top" indicator is also provided to aid in proper orientation. The medium and deep models are provided with four 1/4" trade-size threaded and plugged conduit entry points placed 90 degrees apart along housing sides for surface conduit. A silicone gasket, to be installed between the housing and junction box, and a die-cut EPDM foam gasket, with adhesive applied on one side, to be installed between the housing and the mounting surface, are provided to prevent the entry of moisture, dirt, and insects into the unit. Consult factory for concrete pour applications.

LENS RETAINING BEZEL — The lens retaining bezel is injection molded UV resistant polycarbonate for vandal resistance. Lens bezels are available in CB — Cross Bezel, EB — Eyelid Bezel, and OB — Open Bezel styles. Ordering a high wattage single lamp fixture is recommended for the eyelid bezel. HID or multiple CFL lamp configuration is recommended for open and cross bezels. Exposed fasteners are Torx™ pin-in-head tamper resistant stainless steel. Nylon washers keep fasteners captive to the lens retaining bezel. See Accessories to order T15 pin-in-head screwdriver.

LENS/GASKET — The lens is injection molded UV resistant frosted or white polycarbonate with internal ribs and a minimum .125" thickness for structural strength. Lenses are slightly textured to reduce direct lamp image. Lens is secured to retaining bezel with stainless steel clips and fasteners to form a single mechanical unit for quick and easy installation and maintenance. Continuous ribbed extruded EPDM rubber C-channel gasket seals the lens to retaining bezel and the retaining bezel assembly to housing to prevent the entry of moisture, dirt, and insects.

SOCKETS — HID socket is porcelain, medium base, 4K voltage rated with spring center contact. Compact Fluorescent socket is one piece thermoplastic.

LIGHT SOURCES — Metal Halide, High Pressure Sodium, and Compact Fluorescent in single, double, and triple lamp configurations. HID lamps are available in deep housing only. Clear HID lamp is supplied as standard. CFL lamps are available in either shallow or medium depth housings. Triple tube, 4-pin (4100K) compact fluorescent amalgam lamps are standard in 26 or 57-watt fixtures due to their superior performance over a wider ambient temperature range. 13 and 18-watt CFL quad-tube (3500K) lamps are shipped standard.

BALLASTS — HID ballast is High Power Factor magnetic, designed for -20°F operation. CFL ballast is universal electronic for 120-277V 50 or 60Hz, or 347V 60 kHz, with 0° starting. Battery back-up is available in the medium housing with single or double lamps up to 42 watts and with 120 or 277 voltage voltage units for U.S. applications. On the double unit, one lamp will be energized by the BB option. Battery back-up starting temperature is 32°F.

REFLECTOR — 0.40" thick white aluminum reflector plate is provided. HID units include a hammer tone reflector disk.

FINISHES — Available in black, bronze or white. The color is molded into the lens retaining bezel. The housing has a polyester powdercoat baked-on finish.

PHOTOMETRICS — Please visit our web site at www.lsico.com for detailed photometric data.

EXTRA VALUE FEATURES —
- Lifetime Warranty on Housing, Lens and Retaining Bezels — Euclid Series vandal resistant luminaires are designed to survive in harsh environments. When installed with a four-point mount according to our instructions, LSI will repair or replace any Euclid Series fixture rendered inoperable due to physical abuse for the life of the original installation.
- Quick Connects between ballast and socket are supplied for ease of installation on medium and deep models. (Not required with shallow model.)
- Aqueducts molded into lens retaining bezel allow moisture to drain, reducing accumulation of dirt and debris.
- Shallow housings are ADA compliant.

 profiles dimensions

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<th>Deep</th>
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<td>6.00&quot;</td>
</tr>
<tr>
<td>92mm</td>
<td>155mm</td>
<td>191mm</td>
</tr>
<tr>
<td>3.40&quot;</td>
<td>4.00&quot;</td>
<td>6.40&quot;</td>
</tr>
<tr>
<td>102mm</td>
<td>163mm</td>
<td>200mm</td>
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shipping Wtmoon. — Euclid Round

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<tr>
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<th>Est. Weight (lb./unit)</th>
<th>Length (in.)</th>
<th>Width (in.)</th>
<th>Height (in.)</th>
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<td>9/19</td>
<td>419/16.5</td>
<td>419/16.5</td>
<td>267/10.5</td>
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</table>

UL Listed
Suitable for Ceiling and Wall mounting within 4’ of grade
Wet Location

* Excluding damage by fire, acid, gunfire, paint spray (I.e., graffiti) and damage or destruction of installation site by acts of war, terrorism, and acts of God. Not intended for carwash or pool applications.
EUCLID — ROUND

HOUSING — One-piece round aluminum die-cast housing is available in shallow, medium, or deep versions. Fixtures with shallow housing are ADA compliant.

WALL MOUNTING — Each fixture has a cast-in-drilling template for 3-1/4" or 4" round or octagonal junction box, wireway, and wall mounting. A "level bar" is provided in the castings to aid installation of the housing in a level position, which ensures proper bezel position. A "Top" indicator is also provided to aid in proper orientation. The medium and deep models are provided with four 1/4" trade-size threaded and plugged conduit entry points placed 90 degrees apart along housing sides for surface conduit. A silicone gasket, to be installed between the housing and junction box, and a die-cut EPDM foam gasket, with adhesive applied on one side, can be installed between the housing and the mounting surface, are provided to prevent the entry of moisture, dirt, and insects into the unit. Consult factory for concrete pour applications.

LENS RETAINING BEZEL — The lens retaining bezel is injection molded UV resistant polycarbonate for vandal resistance. Lens bezels are available in CB — Cross Bezel, EB — Eyelid Bezel, and OB — Open Bezel styles. Ordering a high wattage single lamped fixture is recommended for the eyelid bezel. HID or multiple CFL lamp configuration is recommended for open and cross bezels. Exposed fasteners are Torx™ pin-in-head tamper resistant stainless steel. Nylon washers keep fasteners captive to the lens retaining bezel. See Accessories to order T15 pin-in-head screwdriver.

LENS/GASKET — The lens is injection molded UV resistant frosted white polycarbonate with internal ribs and a minimum .125" thickness for structural strength. Lens are slightly textured to reduce direct lamp image. Lens is secured to retaining bezel with stainless steel clips and fasteners to form a single mechanical unit for quick and easy installation and maintenance. Continuous ribbed extruded EPDM rubber C-channel gasket seals the lens to retaining bezel and the retaining bezel assembly to housing to prevent the entry of moisture, dirt, and insects.

SOCKETS — HID socket is porcelain, medium base, 4KV pulse rated with spring center contact. Compact Fluorescent socket is one piece thermoplastic.

LIGHT SOURCES — Metal Halide, High Pressure Sodium, and Compact Fluorescent in single, double, and triple lamp configurations. HID lamps are available in deep housing only. Clear HID lamp is supplied as standard. CFL lamps are available in either shallow or medium depth housings. Triple tube, 4-pin (4100K) compact fluorescent amalgam lamps are standard in 26 to 57-watt fixtures due to their superior performance over a wider ambient temperature range. 13 and 18-watt CFL quad-tube (3500K) lamps are shipped standard.

BALLASTS — HID ballast is High Power Factor magnetic, designed for -20°F operation. CFL ballast is universal electronic for 120-277V 50 or 60Hz, or 347V/60 Hz, with 0°F starting. Battery back-up is available in the medium housing or single or double lamps up to 42 watts and with 120 or 277 voltage specific units for U.S. applications. On the double unit, one lamp will be energized by the BB option. Battery back-up starting temperature is 32°F.

REFLECTOR — .040" thick white aluminum reflector plate is provided. HID units include a lamphorne reflector disk.

FINISHES — Available in black, bronze or white. The color is molded into the lens retaining bezel. The housing has a polyester powdercoat baked-on finish.

PHOTOMETRICS — Please visit our web site at www.lsi-industries.com for detailed photometric data.

EXTRA VALUE FEATURES —
- Lifetime Warranty on Housing, Lens and Retaining Bezels — Euclid Series vandal resistant luminaires are designed to survive in harsh environments. When installed with a four-point mount according to our instructions, LSI will repair or replace any Euclid Series fixture rendered inoperable due to physical abuse for the life of the original installation.
- Quick Connects between ballast and socket are supplied for ease of installation on medium and deep models. (Not required with shallow model.)
- Aqueducts molded into lens retaining bezel allow moisture to drain, reducing accumulation of dirt and debris.
- Shallow housings are ADA compliant.
**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring low-profile, attractive emergency lighting.

**CONSTRUCTION** — Compact, low-profile, architectural design with die-cast aluminum housing that has a contemporary brushed nickel-plated finish. Other available finishes are textured polyester powder coat paint in white, black and dark bronze. All finishes can be painted in the field to match the wall color of choice.

U.S. Patent No. 5,408,046.

Two 6W wedge-base xenon lamps offer 55 percent more light output than standard incandescent lamps. Meets requirements for NEC 700.16.

Patent-pending reflector/refractor design features superior vac-metalized, die-cast reflectors, and multi-faceted, highly transmissive refractor that significantly improve photometrics.

Dual-voltage input capability (120/277V).

Edge connectors on printed circuit board ensure long-term durability.

Universal J-box mounting pattern.

Low-profile, integrated test switch/pilot light located below the lens.

Easily visible green status indicator.

Rigid conduit entry provision on top of the unit.

**BATTERY** — Sealed, maintenance-free lead-calcium battery provides 12W rated capacity, Nickel-cadmium battery with Premium and Exterior option packages.

Automatic 6-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Single-circuit battery connection.

**ELECTRONICS** — Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

EXT TD option package includes 20-minute time delay for supplemental lighting during HID startup.

### ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).

Example: AFN W EXT

<table>
<thead>
<tr>
<th>AFN B EXT TD</th>
<th>Row Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage:</td>
<td></td>
</tr>
<tr>
<td>Colors/ Finishes:</td>
<td>Switching Options:</td>
</tr>
<tr>
<td>Ceiling Type:</td>
<td>Suspension Lengths:</td>
</tr>
<tr>
<td>Specific Dimming Ballasts (if required):</td>
<td>Other:</td>
</tr>
</tbody>
</table>

**CONTRACTOR TO VERIFY:**

Die-Cast Architectural Emergency Light

**AFN**

**SELF-DIAGNOSTICS (PREM and EXT TD option packages)**

Patented Electronics - U.S. Patent No. 6,502,044.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition, continuously monitors AC functionality.

Postpone automatic test initiates eight hour delay of an automatic test by activating the manual test switch.

**LISTING** — UL listed, Wet location (EXT TD) listed. Damp location (PREM, EXT TD) listed. Cold weather (EXT TD) listed.

Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. UL labeled.

**WARRANTY** — Three-year warranty.

---

**NOTES:**

1. Dark bronze can only be ordered with EXT option. This finish is not available on other units.

---

**Emergency**

**AFN AFFINITY Series die-cast architectural emergency lighting**

<table>
<thead>
<tr>
<th>Family</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFN</td>
<td>W White</td>
</tr>
<tr>
<td></td>
<td>B Black</td>
</tr>
<tr>
<td></td>
<td>DB Dark bronze</td>
</tr>
</tbody>
</table>

**Option packages**

- **W** White
- **B** Black
- **DB** Dark bronze

**EXT TD**

Features high-temperature ni-cad battery listed from -18°C to 50°C (-0°F to 122°F), self-diagnostic, time delay; listed for cold weather, damp and wet locations

**Accessories**

Order to separate line.

**ELAAFNRO** Remote fixture (loss batteries and electronics) to be powered by 6V battery equipment as part of an emergency lighting system listed from 0°F to 122°F, 18°C to 50°C, W, B finishes available.
LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE
Ideal where high brightness and good illumination levels are required such as retail, light industrial and warehouses.

ATTRIBUTES
Fixture can be assembled with snap together components and requires no tools. Available in one lamp or two lamp configuration.

CONSTRUCTION
Heavy-duty channel, die-formed from code-gauge steel. Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway. Combination endplate/channel connector furnished with each fixture.

FINISH
Five-stage iron phosphatet pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM
Thermally protected, resetting, Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination. AWM, TFML, THHN wire throughout, rated for required temperatures.

INSTALLATION
For unit or row installations, surface or suspended mounting.

LISTING
UL listed to US and Canadian safety standards. Optional: Mexico NOM.

WARRANTY
Guaranteed for one year against mechanical defects in manufacture. Specifications subject to change without notice.

ORDERING INFORMATION
For shortest lead times, configure product using standard options (shown in bold).

Example: C 2 32 MVOLT GE1010S

| TC | Series | Number of lamps | Lamp type | Voltage MVOLT 2
|----|--------|------------------|-----------|---------------------
| C  | General-purpose strip | 2 | T12 | 17W T8 (24")
|    | For tandem double-length units see rule 1. Example: T12 2 |

Specifications

| Length: 24" (610) |
| 30" (762) |
| 48" (1219) |
| 72" (1829) |
| 96" (2440) |
| Width: 4-3/8" (111) |
| Fixture Depth: 2-1/16" (52) |

Notes:
1. MVOLT standard for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
2. T8 lamps only.
3. Not available in silmine.
4. Order for 8' fixture.
**FEATURES & SPECIFICATIONS**

**INTENDED USE**
Ideal where high brightness and good illumination levels are required such as retail, light industrial and warehouses.

**ATTRIBUTES**
Fixture can be assembled with snap together components and requires no tools. Available in one lamp or two lamp configuration.

**CONSTRUCTION**
Heavy-duty channel, die-formed from code-gauge steel. Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway. Combination endplate/connector furnished with each fixture.

**FINISH**
Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

**ELECTRICAL SYSTEM**
Thermally protected, resetting, Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

**INSTALLATION**
For unit or row installations, surface or suspended mounting.

**LISTING**
UL listed to US and Canadian safety standards. Optional: Mexico NOM.

**WARRANTY**
Guaranteed for one year against mechanical defects in manufacture. Specifications subject to change without notice.

**ORDERING INFORMATION**
For shortest lead times, configure product using standard options (shown in bold).

Example: C 2 32 1/4 MVOLT GEB101S 1/4 GEB10RS EL WGCUN

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**LITHONIA LIGHTING®**

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**CONTRACTOR TO VERIFY:**

| Voltage: |
| Row Information: |
| Colors/ Finishes: |
| Switching Options: |
| Ceiling Type: |
| Suspension Lengths: |
| Specific Dimming Ballasts (if required): |
| Other: |

---

**Specifications**

- **Length:** 24" (610)
- **36" (914)
- **48" (1219)
- **72" (1829)
- **96" (2438)

**Width:** 3-3/8" (111)

**Fixing Depth:** 2-1/16" (52)

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**Fluorescent**

---

**Accessories**

| Order as separate catalog numbers. |
| SQ. Swivel stem hanger (specify length in 2' increments). |
| IB. Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling). |
| COR2SC. 12" screw-on channel connector. |
| WGC9SR. Wireguard for white. |
| WGC9GR. Wireguard, white for green/yellow reflector. |
| WGC9BR. Wireguard, white for blue reflector. |
| CSNMHWH. Symmetric reflector, white, 7' apertures. |
| CASSHWH. Asymmetric reflector, white, 5-3/4' wide. |

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**NOTES:**

1. **MVOLT standard** for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
2. TB lams only.
3. Slimline lams only.
4. Not available in slimline.
5. Order two for 8' fixtures.

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**Sheet #: C**

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**GEB101S**

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**GEB10RS Electronic Ballasts, <10% THD, Rapid Start**
HYDREL
An Acuity Brands Company

4456 STEP LIGHT
HID FLUORESCENT & INCANDESCENT RECESSED

DESCRIPTION:
Hydrel's 4456 recessed step and wall light is a rugged fixture designed for concrete, block, or brick applications. These heavy wall cast aluminum lights are completely weatherproof; sealed with louvered door, silicon gasket, tempered lens, and stainless steel fasteners. The 4456 operates incandescent, compact fluorescent, and High Intensity Discharge lamps. Emergency egress fluorescent fixture with battery back-up also available.

SPECIFICATIONS:

MATERIAL: Cast aluminum.

Fluorescent: 42 Watt Max., CFI Triple Tube.
HID: 50 Watt Max., E17 Lamp.

SOCKET: Incandescent: Medium screw base
Fluorescent: 4-Pin base
HID: Medium screw base, pulse rated

BALLAST: Fluorescent: Electronic ballast high frequency with -18°C (0°F) minimum starting temperature.
HID: Magnetic ballast high power factor with -30°C (-20°F) minimum starting temperature.

VOLTAGE: See ordering guide for options.

REFLECTOR: Flat stainless steel.
Fluorescent white finish.

LENS: Diffused, tempered glass for non-louvered door. Clear, tempered glass for louvered door.

CONDUIT ENTRIES: 3/4" NPT side entries standard.

ACCESSORIES: LLV-Louver door, 45° cut-off.
ELN-Nickel Cadmium Battery Backup

FASTENERS: Stainless Steel.

FINISH: Natural Cast Aluminum, black permabared body. See ordering guide for color options.

LISTING: U.L., C.S.A.

NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE. Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1978)

©2007 Acuity Brands Lighting, Inc.
1000807
4456

CONTRACTOR TO VERIFY: IP66

Voltage: Row Information:
Colors/ Finishes: Switching Options:
Ceiling Type: Suspension Lengths:
Specific Dimming Ballasts
(if required): Other:

4456 LLV Louver Door
Accessory shown

APPROVALS

12881 Bradley Ave
Sylmar, CA 91342
Phone: 818-303-0488
Fax: 818-322-8548
www.hydrel.com
EXITRONIX

EMERGENCY LIGHTING EQUIPMENT

20 GAUGE GALVANIZED STEEL DIRECT VIEW EXIT

ARCHITECTURAL SPECIFICATIONS

STANDARD FEATURES
- Housing constructed of 20 gauge galvanized steel
- Red or Green high intensity LEDs
- Constant uniform illumination
- Minimum of 129 LEDs spelling for word “EXIT”, 7 LEDs for each arrow
- 1/8” protective polycarbonate shield
- White or Black enclosure colors
- Optional enclosure colors available
- Chevron style universal arrow
- Reusable arrow covers
- 120/277V dual primary 60Hz input .069/.030 amps
- Short circuit protection
- Voltage surge protection
- 25 year warranty
- 5 year prorated warranty on battery

BATTERY BACK-UP
- Automatic diagnostic tester available
- Trickle charge circuitry for extended battery life
- Overcharge protection provided by zener diode
- Test button located on bottom for easy testing
- LED AC/DC indicators located on exit face protected by polycarbonate shield
- Flashlight/buzzer options meet ADA regulations
- Low voltage disconnect eliminates deep discharge
- Brown-out protection
- ETL recognized maintenance-free lead acid battery
- ETL listed 90 minute emergency run time, 24 hour recharge time
- EL option available

The 500 Series is the brightest most visible sign in the industry in both normal and smoke-filled environments. Constructed of durable 20 gauge steel. The 500 Series direct view exit provides bright illumination with individual LEDs spelling the word EXIT.

DIMENSIONS
HEIGHT: 8¾” • WIDTH: 12¾” • DEPTH: 3¾”

MOUNTING CANOPY DIMENSIONS

5¾” — 3/4” — 4¾”

WARRANTY
Any component that fails due to manufacturer’s defect is guaranteed for 25 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God.

CONFORMANCE TO CODES & STANDARDS

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

APPROVAL   JOB INFORMATION
Specifier Exit

Specifier Exit Features:

- Durable 12 gauge steel suitable for high traffic areas.
- LED light source with battery back up.
- Available in standard all black or all white finishes
- Dimensions: L-13” W-9 1/2” H-7 3/4”
- Tamper proof screws
**PRODUCT SPECIFICATIONS**

**DESCRIPTION:**
The LED PAR38-120DL light maximizes light output and distribution while preventing harmful glare and reflections. Modular construction houses 120 individual LEDs. The Standard LED light bulb offers a favorable alternative to fluorescent lighting and halogen lighting.

**APPLICATION:**
- Landscape Accent/Spot lighting
- Display Case Accent
- Artwork Lighting

<table>
<thead>
<tr>
<th>Base</th>
<th>Medium Base E27</th>
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</thead>
<tbody>
<tr>
<td>Halogen Replacements:</td>
<td>Daylight-75W</td>
</tr>
<tr>
<td></td>
<td>Soft White-50W</td>
</tr>
<tr>
<td>Bulb</td>
<td>PAR38</td>
</tr>
<tr>
<td>LED Counts</td>
<td>Min 120 LEDs</td>
</tr>
<tr>
<td>Lamp type</td>
<td>LED 5mm WHITE</td>
</tr>
<tr>
<td>Light Output</td>
<td>&gt; 850 Lumens Daylight</td>
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<tr>
<td></td>
<td>&gt; 750 Lumens Soft White</td>
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<tr>
<td>Viewing Angle Lamps</td>
<td>15 degrees</td>
</tr>
<tr>
<td>Viewing Angle Bulb</td>
<td>45 degrees</td>
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<tr>
<td>Body Materials</td>
<td>Heavy Glass or Plastic with Chrome plating both inside and outside.</td>
</tr>
<tr>
<td>Front Protection</td>
<td>With cover lens</td>
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<tr>
<td>Voltage</td>
<td>110-120V AC</td>
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<tr>
<td>Wattage</td>
<td>&lt; 6 W</td>
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<tr>
<td>Color Temperature:</td>
<td>Daylight-5,000-7,000 Kelvin</td>
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<tr>
<td></td>
<td>Soft White- 2,800-3,500 Kelvin</td>
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<tr>
<td>CRI</td>
<td>85</td>
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<tr>
<td>Maximum Overall Length (MOL)</td>
<td>5.31 in (135 mm)</td>
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<tr>
<td>Bulb Diameter (DIA)</td>
<td>4.875 in (124.00 mm)</td>
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<tr>
<td>Base Diameter</td>
<td>1.030 in (26.1 mm)</td>
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<tr>
<td>Special Features</td>
<td>Not Dimmable</td>
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<tr>
<td>Application</td>
<td>Damp Area Only. Test for Fixture Compatibility.</td>
</tr>
<tr>
<td>Life Time</td>
<td>50,000 Hrs.</td>
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Estimated Savings over life of LED: $1345.00