Product Overview (for complete specifications, see pages 2 & 3)

Construction: I.C. rated. Extruded aluminum housing provides superior fit and finish and is mounted in Hunter Douglas Box 4 or Deep Box 4 ceiling. Fixture end cap includes field-removable flange for interface with cut panel inline with fixture. Continuous runs have hairline joints with no light leak. Runs of fixtures can be built to match field conditions.

Electrical: Fixtures can be fitted with integral sensors and control interface devices (consult factory). Multiple dimming options available. Runs of fixtures are tested as a complete system prior to shipping.

Lamp Stagger (Single-lamp cross section of T5 or T5HO only): Lamps can be staggered for end-to-end illumination in continuous runs with no dark ends.

Optical: Flush lenses available in standard (ASL), medium (ASLMD) and heavy (ASLHD) diffusion.

Standard Nomenclature

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>No. of Lamps</th>
<th>Ballast Option</th>
<th>Mounting Method</th>
<th>Shielding</th>
<th>Paint Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gammalux</td>
<td>1 or 2</td>
<td>ERS Rapid Start</td>
<td>REC Recessed</td>
<td>ASL Acrylic</td>
<td>COT10 Match to Hunter Douglas 10% reflective Cotton White</td>
</tr>
<tr>
<td>Cross Section (nom)</td>
<td>Nominal Lamp Watts</td>
<td>&lt;10% THD (see dimming ballast codes on page 2)</td>
<td></td>
<td>Satin Lens</td>
<td>COT20 Match to Hunter Douglas 20% reflective Cotton White</td>
</tr>
<tr>
<td></td>
<td>32 (4'-T8)</td>
<td></td>
<td></td>
<td>ASLMD Acrylic</td>
<td>NAT Gammalux match of Hunter Douglas Natural #7163</td>
</tr>
<tr>
<td></td>
<td>28 (4'-T5)</td>
<td></td>
<td></td>
<td>Satin Lens</td>
<td></td>
</tr>
<tr>
<td></td>
<td>54 (4'-T5HO)</td>
<td></td>
<td></td>
<td>ASLHD Acrylic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Satin Lens</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Heavy Diffuse)*</td>
<td></td>
</tr>
<tr>
<td>Cross Section Shape</td>
<td>Lamp Type</td>
<td>Voltage</td>
<td>Fixtures Length</td>
<td>Ceiling System</td>
<td>Options</td>
</tr>
<tr>
<td>Beam</td>
<td>T8</td>
<td>120, 277, UNIV</td>
<td>Up to 24’ single-piece housings available. Specify run in nominal footage increments.</td>
<td>BX4 Box 4 by Hunter Douglas</td>
<td>BPE Battery Pack EM. Kit</td>
</tr>
<tr>
<td></td>
<td>T5</td>
<td></td>
<td></td>
<td>DBX4 Deep Box 4 by Hunter Douglas</td>
<td>DL UL Lamp Label</td>
</tr>
<tr>
<td></td>
<td>T5HO</td>
<td></td>
<td></td>
<td></td>
<td>EMERG Emergency ckt.</td>
</tr>
</tbody>
</table>

* To better hide lamp image, medium or heavy diffuse lenses are recommended.
Specifications (continued on next page)

Electrical

Static Ballast*: Osram or equal Electronic Rapid Start with less than 10% Total Harmonic Distortion is default (ERS).

0-10V Dimming*: 0-10v dimming by Advance Mark 7 is default (ZTV).

Line Voltage Dimming*: Two-wire line voltage dimming by Advance Mark 10 is default (TWR).

DALI Dimming*: Dimming by generic DALI ballast (DALI).


Step Dimming: Step Dimming availability is contingent upon multiple factors. Consult factory (SDIM).

On-board sensors and control interface devices may be specified (consult factory). Max ballast cross section size 1.0” x 1.2”. Fixtures bear UL & cUL Dry Location label. Damp Location label available (DL).

*Subject to availability. May be substituted by Gammalux. Components and specifications may be changed without notice.

Construction

Housing: I.C. rated. Extruded aluminum body 3.00” wide x 3.71” high, 6063T5, 0.070” min thickness. In continuous runs, each housing is 12” max unless longer housings are pre-coordinated with the factory to reduce joints and save installation labor. All fixtures are built per approved factory drawings and tested as a complete system at the factory. Continuous runs and patterns are ordered, built and shipped with a single item #. Fixtures ordered as individuals cannot be joined together in the field.

Joiner System: Automatic alignment, no loose parts, one tool to tighten two factory installed bolts for hairline seam. No light leaks.

Lamping: Lamps are set end-to-end or single-lamp cross section of T5 lamps can be custom-staggered per exact run length (ST). Factory-engineered drawings indicate the location and wattage of each lamp in continuous runs.

Mounting: Recessed into a Box 4 (REC/BX4) or Deep Box 4 (REC/DBX4) ceiling system by Hunter Douglas. Fixture end cap includes field-removable flange for interface with cut panel inline with fixture.
Specifications (continued)

Optical

Reflectors: Shall be formed diffuse high reflectance aluminum.
Acrylic Satin Lens: Snap-in. Shall be 100% DR acrylic (ASL).

Acrylic Satin Lens, Medium Diffuse: Snap-in. Shall be 100% DR acrylic (ASLMD). Multiply efficiency by .93.

Acrylic Satin Lens, Heavy Diffuse: Snap-in. Shall be 100% DR acrylic (ASLHD). Multiply efficiency by .68.

See lens images on page 5.

Finish

Housing is electrostatically sprayed with high solids aliphatic two component polyurethane to an average thickness of 2 mils. over acid etching primer or commercial clear anodizing. High quality paint finish, matched to Hunter Douglas panels.

Packing and Shipping

Fixtures built for continuous rows are given a specific location identifier, clearly identified on factory layout drawings provided to installing contractor. Location identifier is printed on the fixture's ID Label, protective wrapping and on each end of fixture carton. Shipping pallets are built with 2” clearance, extending beyond the length and width of cartons, providing shipping protection.

Approx. weight of 4’ module is 12 lbs. including carton. Weight of pallet and supplemental packing materials not factored in.
**Fixtures with T5 or T5HO lamping**

(One lamp using Standard Diffuse lens. For Medium and Heavy diffuse lenses, use multiplier on page 2.)

IESNA: LM-63-2002  
ISSUEDATE: 02/06/07  
TEST: ITL58954  
TESTLAB: ITL, INC.  
MANUFACTURER: GAMMALUX LIGHTING SYSTEMS  
LUMINARIES: GB34BX4-154T6-ASL  
LAMPS: 1 54-WATT T-5 FP54/835 FLUOR.  

**EFFICIENCY (Total):** 63.9%  
**EFFICIENCY (Downlight):** 63.9%  
**EFFICIENCY (Uplight):** 0.0%  
**CIE CLASSIFICATION:** DIRECT  
**LUMENS/LAMP:** 5000  
**NO. OF LAMPS:** 1  
**LUMINOUS OPENING:** RECTANGULAR  
Width: 0.24 (Feet)  
Length: 3.00  
Height: 0.00  
**INPUT WATTS:** 56.2

---

**Fixtures with T5 or T5HO lamping**

(Two lamp using Standard Diffuse lens. For Medium and Heavy diffuse lenses, use multiplier on page 2.)

IESNA: LM-63-2002  
ISSUEDATE: 06/05/12  
TEST: GB33RC22T5HOASL.ies  
TESTLAB: PHOTOPIA 3.2.6  
MANUFACTURER: GAMMALUX LIGHTING SYSTEMS  
LUMINARIES: GB34BX4-254T6-ASL  
LAMPS: 1 54-WATT T-5 FP54/835 FLUOR.  

**EFFICIENCY (Total):** 65.1%  
**EFFICIENCY (Downlight):** 65.1%  
**EFFICIENCY (Uplight):** 0.0%  
**CIE CLASSIFICATION:** DIRECT  
**LUMENS/LAMP:** 5000  
**NO. OF LAMPS:** 2  
**LUMINOUS OPENING:** RECTANGULAR  
Width: 4.00 (Feet)  
Length: 0.20  
Height: 0.17  
**INPUT WATTS:** 118
Photometric Info / Downloads

Fixtures with T8 lamping

(One lamp using Standard Diffuse lens. For Medium and Heavy diffuse lenses, use multiplier on page 2.)

IESNA: LM-83-2002
ISSUEDATE: 02/25/12
TEST: GB33RC217BASL_ies
TESTLAB: PHOTONIA 3.2.6
MANUFACT: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB34BX4-1378-ASL
LAMPS: 1 32-WATT T-8 FLUOR.

EFFICIENCY (Total): 89.3%
EFFICIENCY (Downlight): 69.3%
EFFICIENCY (Uplight): 0.0%
CIE CLASSIFICATION: DIRECT
LUMENS/LAMP: 2000
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
  Width: 0.25(Feet)
  Length: 4.00
  Height: 0.27
INPUT WATTS: 32
Mounting Details

Factory Drawings: Fully dimensioned factory drawings will be provided upon receipt of purchase order.

Box 4 Ceiling:
Specify BX4 code in catalog #

Deep Box 4 Ceiling:
Specify DBX4 code in catalog #

Mounting bracket is field adjustable to accommodate Box 4 or Deep 4

Gammalux Lighting Systems reserves the right to change the details of fixture design and construction at any time.