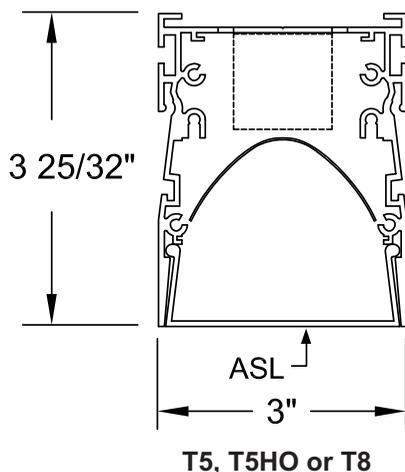


Revision: 3 Date: Nov 2013



Click or scan QR code to view latest spec sheet.



- Page 2 Specifications
- Page 3 Photometric Files / Lens images
- Page 5 Mounting Details

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

Product Overview (for complete specifications, see page 2)

Construction: Extruded aluminum housing is available in one piece up to 16'. Continuous runs have hairline joints with no light leak. Runs of fixtures can be built to lengths matching field conditions. Recessed into Hunter Douglas Box 4 or Deep Box 4 ceiling system.

Electrical: Gammalux products are **UL** and **cUL** listed with quick electrical connectors and ballasts by OSRAM SYLVANIA or equal. Runs of fixtures are tested as a complete system prior to shipping.

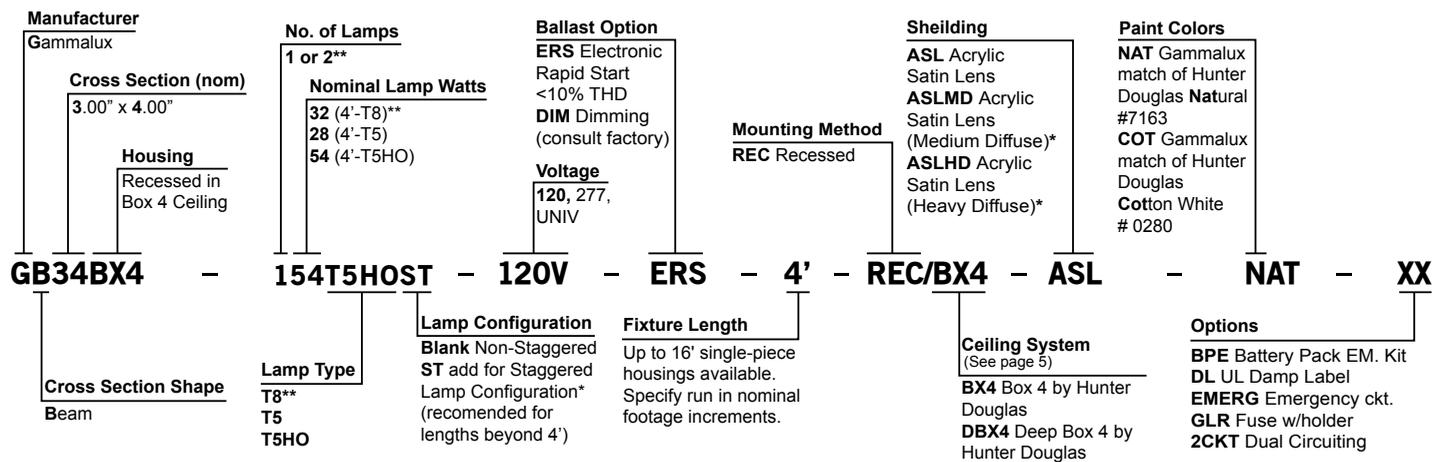
Lamp Stagger (T5 or T5HO only): Fluorescent lamps can be staggered for end-to-end illumination in continuous runs with no dark ends.

Optical: Reflectors are formed to provide even washing of light across the lens. Lenses available in standard, medium and heavy diffusion. See lens images on pages 3 and 4.

Finish/Color: High quality paint finish in high gloss or semi-gloss. Custom colors available.

Packing and Shipping: Our packing, labeling and shipping systems ensure products arrive safely, ready to install.

Standard Nomenclature



** T8 available as one-lamp non-staggered only.
*When Staggering lamps, ASLMD or ASLHD lens is recommended.



Construction

Housing: Extruded aluminum body 3.00" wide x 4.00" high, 6063T5, 0.070" minimum thickness. Available in one piece, unbroken lengths up to 16'. Runs of fixtures are built to lengths matching exact field conditions, including complex patterns.

Joiner System: Automatic alignment, no loose parts, one tool to tighten two factory installed bolts for hairline seam. No light leaks. Fixtures that are built for continuous runs and patterns are assembled into a complete pattern and tested for fit and finish at the factory prior to being individually packed and shipped.

Mounting: Recessed into a Box 4 (specify **REC/BX4**) or Deep Box 4 (specify **REC/DBX4**) ceiling system by Hunter Douglas.

Electrical

Ballast: OSRAM SYLVANIA or equal Electronic Rapid Start ballast with less than 10% Total Harmonic Distortion is standard (specify **ERS**). Additional ballast options are available. UL listed wiring and components throughout. Housing wired with quick-connect plugs at all mating joints and individually tested. Max ballast cross section size 1.7" x 1.2".

Fixtures that are built for continuous runs and patterns are assembled into a complete pattern and tested with lamps at the factory prior to being individually packed and shipped. All fixtures bear UL & cUL Dry Location labels. Damp Location labels are available (specify **DL** in the options field).

Lamp Stagger (T5 or T5HO only)

Fluorescent lamps are custom-staggered per exact run length, providing consistent illumination from end to end in each run. Telescoping modules are not acceptable. Factory-engineered drawings indicate the location of each lamp in continuous runs and the dimensioned detail of lamp stagger. Specify **ST** lamp configuration.

Optical Performance

Reflectors: Shall be formed diffuse high reflectance aluminum.

Acrylic Satin Lens: Shall be 15% DR acrylic (specify **ASL**).

Acrylic Satin Lens, Medium Diffuse: Shall be 15% DR acrylic (specify **ASLMD**). Multiply efficiency by .93.

Acrylic Satin Lens, Heavy Diffuse: Shall be 15% DR acrylic (specify **ASLHD**). Multiply efficiency by .68.

Performance: Independent photometric laboratory testing - ITL or equal - is required. See following photometric information.

Finish

Housing assembly is electrostatically sprayed with high solids aliphatic two component polyurethane to an average thickness of 2 mils. over acid etching primer. Matches of Hunter Douglas Natural # 7163 (**NAT**) and Cotton White # 0280 (**COT**) are standard. Consult with factory for other finishes.

Packing and Shipping

Fixtures built for continuous rows and patterns 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.

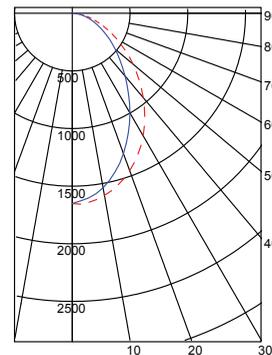
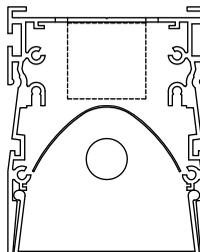
Approximate weight of 4' module is 12 lbs. including carton. Weight of shipping pallet and supplemental packing materials not factored in.

Photometric Files

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: ITL58194
TESTLAB: INDEPENDENT TESTING LABORATORIES, INC.
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB34BX4-154T5-ASL
LAMP: ONE 54-WATT T-5 SYLVANIA FP54/835/HO
LINEAR FLUORESCENT.



Quadralaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

Summary Data

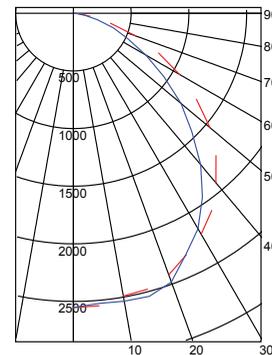
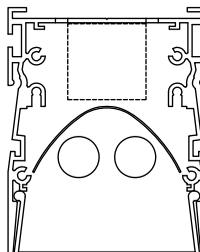
EFFICIENCY (Total): **63.9%**
EFFICIENCY (Downlight): **63.9%**
CIE CLASSIFICATION: DIRECT
LUMENS/LAMP: 5000
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 0.24(Feet)
Length: 3.90
Height: 0.00
INPUT WATTS: 55.2



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: 06/25/12
TEST: GB33RC22T5HOASL.ies
TESTLAB: PHOTOPIA 3.2.6 SEE: WWW.LTIOPTICS.COM/IES
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB34BX4-254T5-ASL
LAMP: Fluor. 54W 4' Silhouette T5 HO



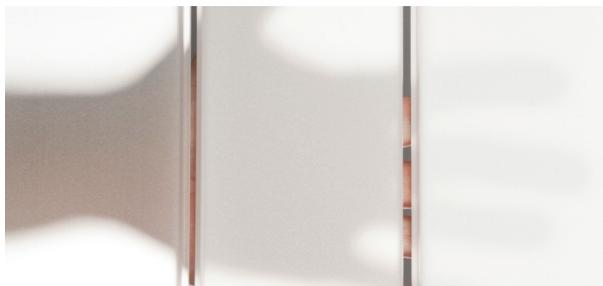
Quadralaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

Summary Data

EFFICIENCY (Total): **65.1%**
EFFICIENCY (Downlight): **65.1%**
CIE CLASSIFICATION: DIRECT
LUMENS/LAMP: 5000
NO. OF LAMPS: 2
LUMINOUS OPENING: RECTANGULAR
4.00 (Feet)
0.26
Width: 0.17
INPUT WATTS: 118
Length:
Height:



Lens Options



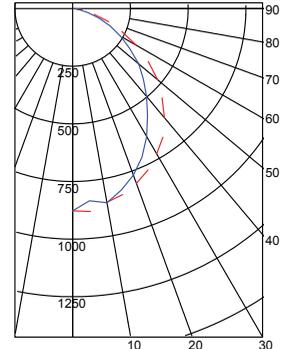
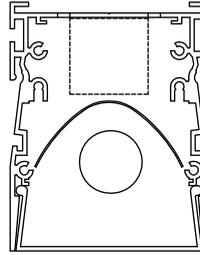
Acrylic Satin Lens (ASL) Acrylic Satin Lens, Medium Diffuse (ASLMD) Acrylic Satin Lens, Heavy Diffuse (ASLHD)

Photometric Files

Fixtures with T8 lamping

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

IESNA: LM-63-2002
ISSUE DATE: 06/25/12
TEST: GB33RC21T8ASL.ies
TESTLAB: PHOTOPA 3.2.6 SEE: WWW.LTIOPTICS.COM/IES
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB34BX4-132T8-ASL
LAMP: FLUOR. 32W 4' T8



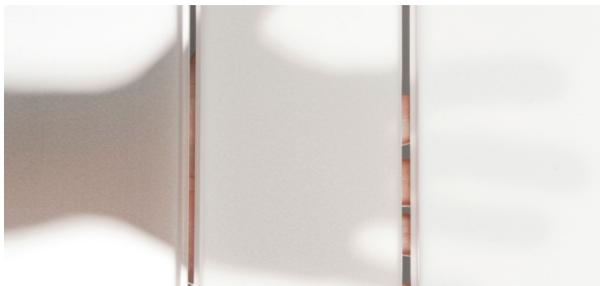
Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

Summary Data

EFFICIENCY (Total): **69.3%**
EFFICIENCY (Downlight): **69.3%**
CIE CLASSIFICATION: DIRECT
LUMENS/LAMP: 2900
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 0.25 (Feet)
Length: 4.00
Height: 0.27
INPUT WATTS: 35



Lens Options

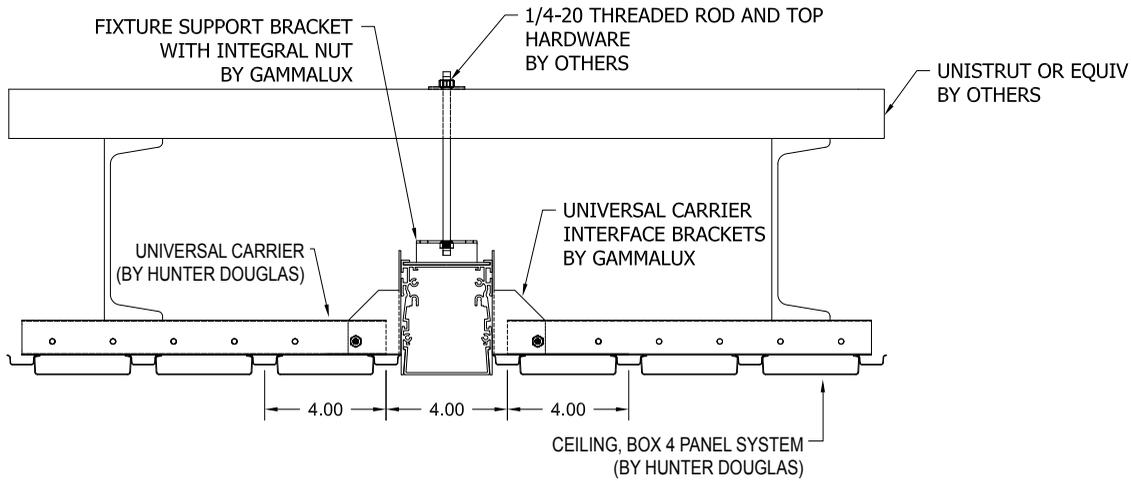


Acrylic Satin Lens (ASL) Acrylic Satin Lens, Medium Diffuse (ASLMD) Acrylic Satin Lens, Heavy Diffuse (ASLHD)

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

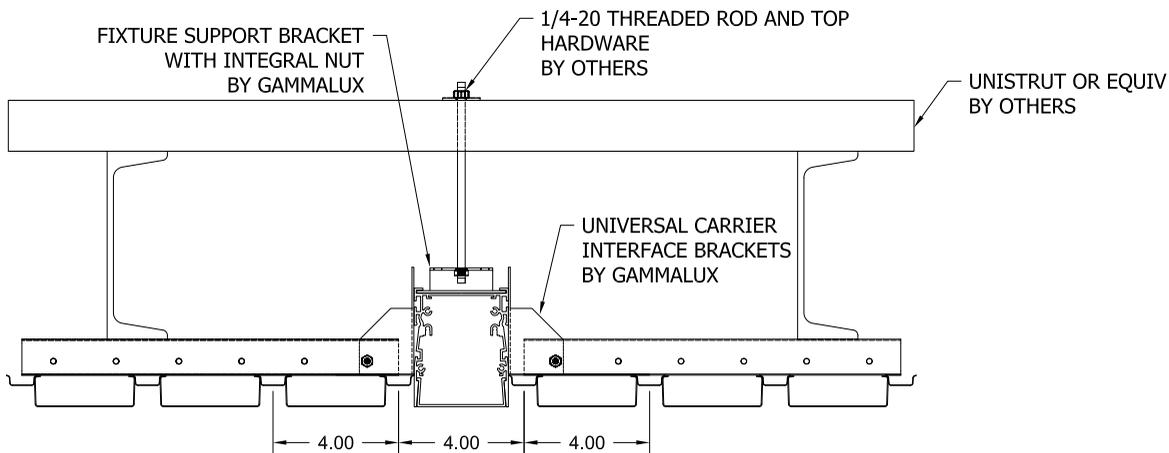
Box 4 Ceiling:

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 Box 4 conditions.

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