# LITHONIA LIGHTING®

| Catalog Number | |
|---|---|
| Notes | |
| Type | |

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The SPEC-BEAM™ is an ideal one-for-one replacement of common metal halide high bay systems. Applications include warehousing, manufacturing, commercial facilities and retail. The SPEC-BEAM performs best at mounting heights from 15' to 40'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

Attributes: Designed for optimum performance using highly efficient T5HO lamps. Best in applications requiring a rugged full body assembly with excellent fixture performance. Multiple optical systems allow the right distribution for the right application.

**CONSTRUCTION** — Channel, end caps and socket brackets are manufactured from code grade cold rolled steel; fixture assembly is riveted and screwed together for added strength. Access to ballast and wiring compartment is accessed from below and is completely tool-less.

Finish: High-gloss white baked enamel, pretreated with five-stage iron phosphate system. Optional polyester powder coat available.

**OPTICS** — Precision formed, high performance, 95% reflective, segmented optics utilizing enhanced specular aluminum warranted for 25 years. Reflector optics are available in a wide variety of distributions and spacing criteria. Reflectors are available with uplight (recommended) or vented top that includes slots for heat management venting (2-3% uplight typical).

**ELECTRICAL** — Thermally protected, resetting Class P, HPF, A+ sound rated electronic ballast. Lamps are secured with rotary locking lamp sockets for ease of relamping and to superior electrical contact. Lamp holders (sockets) are manufactured from PBT(polybutylene terephthalate) material for increased chemical resistance.

**INSTALLATION** — The SPEC-BEAM™ must be suspended by chain, cable or monopoint hanger using the appropriate accessories. Not suitable for surface mounting.

**LISTINGS** — UL Listed to US and Canadian standards. Suitable for damp locations. For use in ambient temperatures from -20°C to 40°C when using up to 6-lamp configuration.
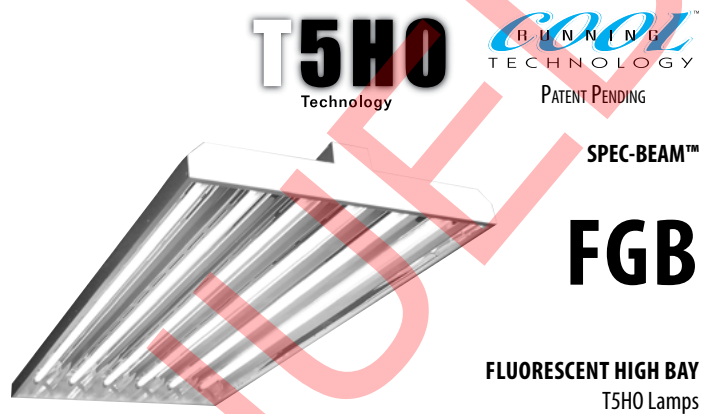
**WARRANTY** — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

**NOTE**: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

T5HO Technology

COOL RUNNING TECHNOLOGY — PATENT PENDING

**SPEC-BEAM™**

# FGB

**FLUORESCENT HIGH BAY**
T5HO Lamps

### Specifications

| # Lamps: | 2 or 3 | 4 | 6 |
|---|---|---|---|
| Length: | 48 (121.9) | 48 (121.9) | 48 (121.9) |
| Width: | 12 (30.5) | 16 (40.6) | 24 (61.0) |
| Depth: | 4-1/2 (11.4) | 4-1/2 (11.4) | 4-3/4 (12.1) |
| Weight: | 16 lbs (7.26 kg) | 17 lbs (7.71 kg) | 19 lbs (8.62 kg) |

All dimensions are inches (centimeters) unless otherwise indicated.

## ORDERING INFORMATION

Lead times will vary based on options selected. Consult with your sales representative.

**Example:** FGB24 6 54T5HO T1X20 MVOLT 1/41/2 GEB10PS LP841

| Series | Number of lamps[1] | Lamp type | Distribution/Reflector[2] | | Shielding[5] | | Voltage |
|---|---|---|---|---|---|---|---|
| FGB14 | 2 | 54T5HO  54W T5HO | **Distribution** | **Reflector** | (blank) | No shielding | MVOLT  120-277V |
| FGB164 | 3 | | F1  Focus (0.9 > SC) | X20  Specular aluminum | A12125 | Pattern 12 acrylic, 0.125" | HVOLT  347-480V[6] |
| FGB24 | 4 | | T1  Task (0.9 < 1.2 SC) | X20U  Specular aluminum w/uplight | A12125WG | Pattern 12 acrylic, 0.125" w/wireguard in door frame [5] | |
| | 6 | | N1  Normal (1.2 < 1.4 SC) | D20  White powder coat[4] | ACL | Clear acrylic, 0.125" | |
| | | | S1  Spread (1.4 < 1.8 SC) | D20U  White powder coat w/uplight[4] | ACLWG | Clear acrylic, 0.125" w/wireguard in door frame [5] | |
| | | | B1  Broad (1.8 < SC)[3] | | PCL125 | Clear polycarbonate, 0.125" | |
| | | | | | PCL125WG | Clear polycarbonate, 0.125" w/wireguard in door frame [5] | |
| | | | | | NLWG | No lens; wireguard in door frame [5] | |

| Ballast configuration | | Ballast | | Lamp color | | Options | | | |
|---|---|---|---|---|---|---|---|---|---|
| (blank) | All 2-lamp ballasts | ACRP | Cool running plus[7] | (blank) | No lamps | OUTCTR | Wiring leads pulled through back center of fixture [8] | TCP | Top cover panels[9] |
| 1/3 | One 3-lamp ballast | GEB10PS | T5HO electronic, ≤10% THD, programmed rapid start | LP830 | 85 CRI, 3000°K, standard life | OUTCTR 7/8 | Wire leads pulled through back of fixture when ordering without a tong hanger | WG | Wireguard, 11-gauge, external mount |
| 1/4 | One 4-lamp ballast | | | LP835 | 85 CRI, 3500°K, standard life | | | MSI | Occupancy sensor pre-wired (aisle) [10] |
| 1/41/2 | One 4-lamp and one 2-lamp ballast | | | LP841 | 85 CRI, 4100°K, standard life | PAF | Powder coat after fabrication | MSI360 | Occupancy sensor pre-wired (360°) [10] |
| 2/3 | Two 3-lamp ballasts | | | LP850 | 85 CRI, 5000°K, standard life | PAF AL | Aluminum construction, PAF | MSIPE | Occupancy sensor pre-wired with photocell [10] |
| | | | | | | 20GA | 20-gauge steel construction | EL14 | Emergency battery back, CA Title 20 non-compliant (900 lumens) [10,11,12] |

### Accessories: Order as separate catalog number.

| | |
|---|---|
| IBAC120 M20 | 10' adjustable aircraft cable, 2-hook, Y hanger (one pair) |
| IBAC240 M20 | 20' adjustable aircraft cable, 2-hook, Y hanger (one pair) |
| HSD36 | 3' jack chain with hanger (one pair) |
| THSD | Monopoint hanger with 3/4" KO [8] |
| THSDHB | Monopoint hanger with 3/4" hub [8] |
| THSDSK | Side covers for monopoint hanger (one pair) [8] |
| THSD5 | Monopoint hanger with 3/4" KO (for 5" channel, side covers included) [8,13] |
| THSDHB5 | Monopoint hanger with 3/4" hub (for 5" channel, side covers included) [8,13] |

**Notes**
1. See Configurations table for availability.
2. Every distribution not available in every lamp configuration.
3. Not available with prismatic lens option.
4. Available with N1 (normal distribution) only.
5. Not recommended for use in gymnasiums. Use external wireguard option(WG) for these applications.
6. Not available with ACRP option.
7. 5/55 warranty for open fixtures when used with 49W lamps. Fixtures should be mounted at a minimum plenum height of 18". Not available with 347, 480, or HVOLT.
8. Specify OUTCTR when monopoint hanger will be used for wiring compartment.
9. Not recommended for high ambient locations.
10. Must specify voltage.
11. UL listed for 45°C. Output in emergency mode varies with ambient temperature (approx. 944 lumens at 25°C and 911 lumens at 45°C). Single-lamp operation only. Not available with HVOLT or MVOLT. Requires some assembly in the field for six-lamp fixtures.
12. 5 and 6 lamp fixtures using EL will use a 5"channel.
13. Use on 5 or 6-lamp fixtures when ordered with emergency battery pack.

## Configurations

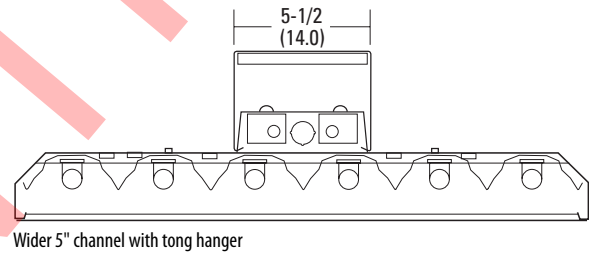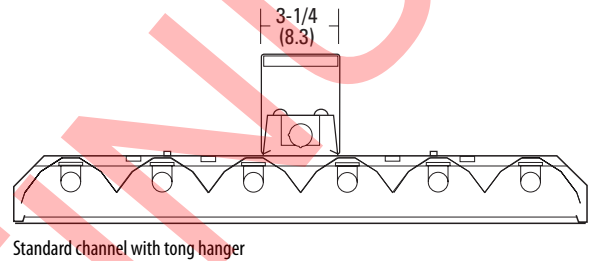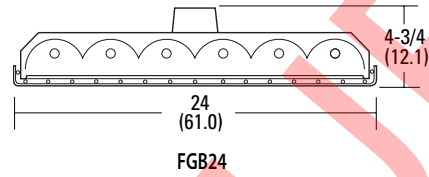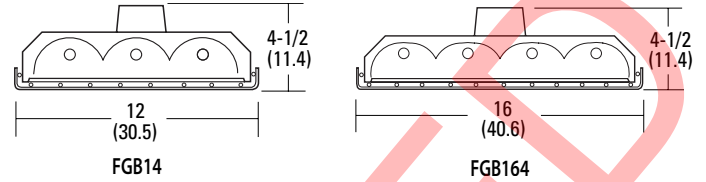| Series | Number of lamps* | Width | Height | Length |
|--------|------------------|-------|--------|--------|
| FGB14 | 2 or 3 | 12 (30.5) | 4-1/2 (11.4) | 48 (121.9) |
| FGB164 | 4 | 16 (40.6) | 4-1/2 (11.4) | 48 (121.9) |
| FGB24 | 6 | 24 (61.0) | 4-3/4 (12.1) | 48 (121.9) |

*Number of lamps per 4' section.

**Cord Set Option:** *Add suffix to end of catalog number, specify voltage.*

All cord sets are 18/3, 6', white unless otherwise noted.
Other configurations available, consult factory.

| Suffix | Description |
|--------|-------------|
| **CS1W** | Straight plug, 120V |
| **CS3W** | Twist lock, 120V |
| **CS7W** | Straight plug, 277V |
| **CS11W** | Twist-lock, 277V |
| **CS25W** | Twist-lock, 347V |
| **CS97W** | Twist-lock, 480V |
| **CS93W** | 600V SO white cord, no plug (no voltage required) |

## DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.



FGB14



FGB164



FGB24



Standard channel with tong hanger



Wider 5" channel with tong hanger

## PHOTOMETRICS

See www.lithonia.com.