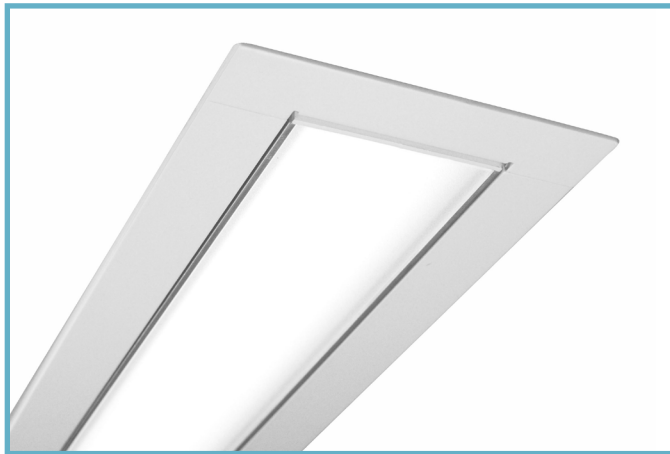


HCB15 | Swell™ GENERAL INFORMATION



2" wide aperture linear recessed LED luminaire, Illuminated by BIOS®

Project: _____ Type: _____



FEATURES

The HCB15 is a linear recessed LED luminaire tailored for health-centric lighting installations. The 2" wide aperture is available with multiple lens options and constructed for installation in common grid ceilings or in hard walls and ceilings with flange and trimless variants.

The HCB15 fixture is embedded with BIOS SkyBlue® circadian solutions to produce the healthy "blue sky" light signal needed to stimulate human circadian biology. This specific light wavelength communicates directly with human biology through a non-visual photoreceptor to regulate circadian rhythms, providing healthier sleep patterns and ultimately, better health.

SPECIFICATIONS

Fixture housing and trim elements made of extruded aluminum and 16 ga. sheet aluminum and steel parts

Model options available for typical 9/16" and 15/16" grid ceilings or hard walls/ceilings with flange and trimless mounting (wall installation requires accessory mounting brackets)

Basic continuous run fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring multiple circuits, sensor integration, etc.)

Lens options include frosted acrylic flush fit, 1" drop style with lensed ends or a parabolic louver

Standard integral 120-277V driver offered with 0-10V dimming or non-dim

Integral 120-277V emergency battery backup available for 44" or 88" fixtures (consult factory for all other lengths/drivers, supplied with remote test switch/indicator plate assembly)

Standard light outputs are 575 and 760 lumens per foot

BIOS Static Spectrum or Dynamic LEDs available in 3000K, 3500K and 4000K, with a CRI of 80+ to 90 depending on color

Life: 50,000 hours L₇₀

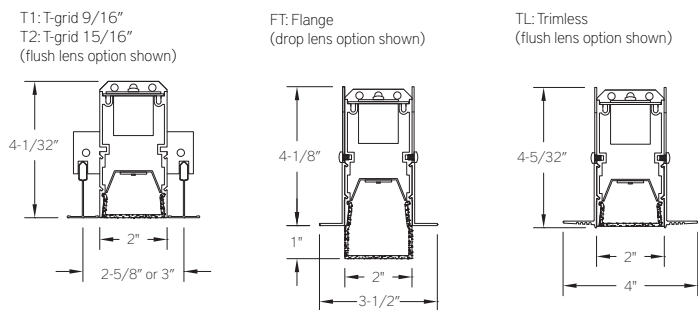
Chicago plenum rated option available

Nominal weight is 2.8 lbs. per foot

Limited five year warranty

UL and C-UL listed for dry and damp locations

SECTIONS



PERFORMANCE

| NOMINAL LENGTH | LENS | OUTPUT | LUMENS/ft. | WATTS/ft. | LUMINAIRE LUMENS | EFFICACY (LPW) |
|----------------|-------|------------|------------|-----------|------------------|----------------|
| 44" | FLUSH | R: regular | 575 | 9.8 | 2106 | 59 |
| | | H: high | 760 | 13.8 | 2782 | 55 |

Note: All data reflects fixture with BIOS Static Spectrum 3500K LEDs



HCB15 -

MOUNTING

T1: T-grid 9/16"
T2: T-grid 15/16"
FT: Flange trim
TL: Trimless
CF: consult factory for custom mounting

NOMINAL FIXTURE LENGTH**

22: 22"
24: 24" (T1 or T2 w/SN ONLY)
44: 44"
48: 48" (T1 or T2 w/SN ONLY)
66: 66"
88: 88"

CORRELATED COLOR TEMPERATURE

[BIOS static]
BS30: 3000K-85 CRI
BS35: 3500K-85 CRI
BS40: 4000K-90 CRI
[BIOS dynamic]
BD30: 3000K-83 CRI
BD35: 3500K-83 CRI
BD40: 4000K-83 CRI

DRIVER

ND: non-dimming
[Dimming]
D: 0-10V, 1%

LIGHT OUTPUT (lumens per foot w/flush lens)

R: regular - 575
H: high - 760
CF: consult factory for custom output

RUN CONFIGURATION

SN: single
ST: starter
AD: adder
TR: terminator

OPTIONS

CP: Chicago plenum
ED: emergency driver (44" or 88" fixtures)
WS1: Wattstopper FS-205 ‡
ES1: EasySense SN102 ‡
ES2: EasySense SN200 ‡
ES3: EasySense SN300 ‡
EN1: Enlighted FS-D22 ‡
CF: consult factory for custom finish

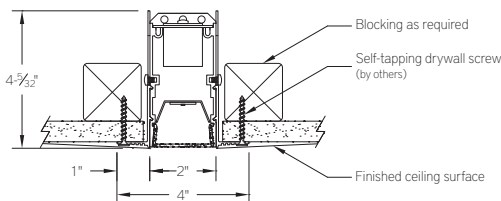
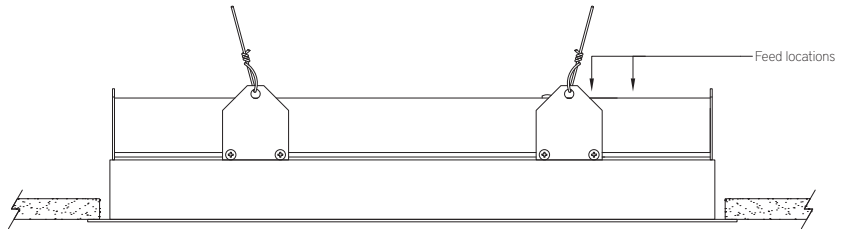
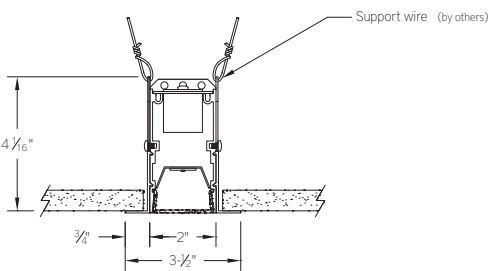
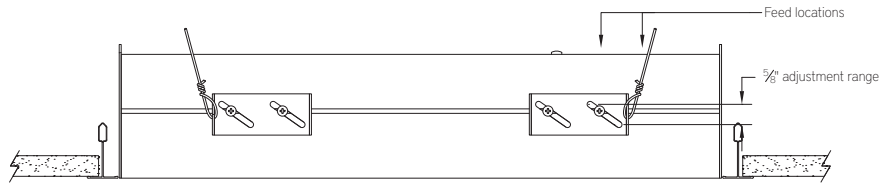
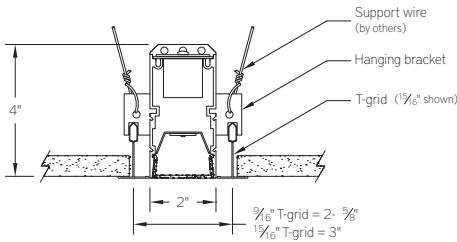
LENS

F1: frosted flush
F2: frosted drop
L: louver


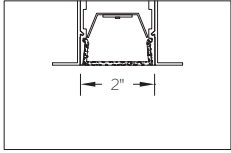

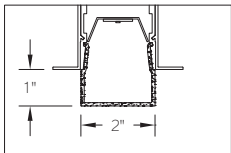

** Actual dimension dependent on mounting option and run configuration
‡ See sensor section for driver compatibility information

MOUNTING


| ORDERING CODE | DESCRIPTION | SPECIFICATIONS |
|---------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T1 T2 | T-grid ceiling 9/16" T-grid ceiling 15/16" | <ul style="list-style-type: none"> • 16 ga. brackets locate housing onto T-bar and allow 5/8" of vertical adjustment to accommodate various height T-bar • Housing secured with support wires (by others) • Exposed flange trim in matte white finish |
| FT | Flange - drywall ceiling or wall | <ul style="list-style-type: none"> • For wall installations or special ceiling conditions, order accessory mounting brackets 420-WB • 3/4" wide extruded aluminum trim flange in matte white finish • Housing secured with support wires or 1/4-20 threaded rod (by others) |
| TL | Trimless - drywall ceiling or wall | <ul style="list-style-type: none"> • Installs after 1/2" or 5/8" drywall • Housing secured with self-tapping drywall screws (by others) into blocking as required |



LENS OPTIONS




| | ORDERING CODE | DESCRIPTION | SPECIFICATIONS | |
|--------------------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  shown with flange trim option | F1 | FROSTED FLUSH LENS | 2" W frosted acrylic extrusion |  |
|  shown with flange trim option | F2 | FROSTED DROP LENS | 2" W x 1" H frosted acrylic extrusion with matching acrylic end caps |  |
|  | L | LOUVER | Parabolic louver with 5/8" blades at 1" spacing, formed from diffuse, high reflectance aluminum and supplied with light diffusion film | |

OPTIONS

| | ORDERING CODE | DESCRIPTION | SPECIFICATIONS |
|------------------------------------------------------------------------------------|---------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | ED | EMERGENCY LED DRIVER | <ul style="list-style-type: none"> • Universal 120-277V input voltage emergency driver of 10W for 90 minutes • Available for 44" or 88" nominal length non-dim or 0-10V fixture only (consult factory for all other lengths) • Provided with combination test switch/indicator light mounted to wall plate for remote installation |

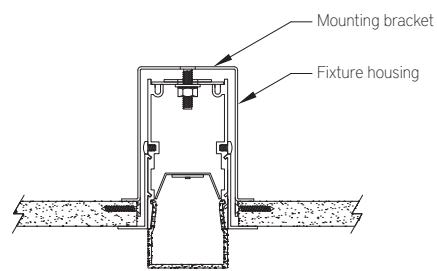
INTEGRATED SENSORS

Note: Overall fixture length remains the same as models without a sensor. Total illuminated length is reduced by 5" nominal. For F1 flush lens option, sensors are mounted to flush filler piece. For F2 drop lens option, sensors are mounted to 1" H sheet formed cover.

| | ORDERING CODE | BRAND AND MODEL | FUNCTIONS | |
|-------------------------------------------------------------------------------------|---------------|-------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
|  | WS1 | Wattstopper FS-205 | Occupancy and light level sensor | For use with on/off or 0-10V dimming drivers only |
|  | EN1 | Enlighted FS-D22 | Occupancy, ambient light sensing, daylight harvesting, and environment monitoring for Enlighted control network | Provided with Advance sensor ready series 0-10V dimming drivers |
|  | ES1 | Philips EasySense SN102 | Occupancy, daylight harvesting and task tuning sensor with simple grouping | Provided with Advance sensor ready series 0-10V dimming drivers |
| | ES2 | Philips EasySense SN200 | Occupancy, daylight harvesting and task tuning sensor with advance grouping | Provided with Advance sensor ready series 0-10V dimming drivers |
| | ES3 | Philips EasySense SN300 | Occupancy, daylight harvesting sensor for integration with Zigbee control networks | Provided with Advance sensor ready series 0-10V dimming drivers |

ACCESSORIES

Note: Accessories sold separately

| | ORDERING CODE | DESCRIPTION | SPECIFICATIONS |
|-----------------------------------------------------------------------------------|---------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 420-WB | WALL MOUNT BRACKET | <ul style="list-style-type: none"> • For use when mounting fixtures with flange or trimless options in walls or restricted ceiling conditions • 16 ga. bracket clamps fixture to the backside of the mounting surface with provided hardware • Sold individually; two required for 22" - 48" nom. fixtures, three required for 66" - 88" nom. fixtures |