

BSS420 | WAKE

2" wide aperture recessed LED luminaire



Project: _____ Type: _____



shown with flange trim and drop lens options

FEATURES

A member of the Wake series, the BSS420 is a recessed, extruded aluminum linear LED luminaire with 2" wide aperture. Single and continuous run fixtures are available for installation in common grid ceilings or in hard walls and ceilings with flange and trimless variants. Flush or 1" drop frosted acrylic lens options are offered for all mounting configurations.

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 (other dimming driver options available)

Integral 120-277V emergency battery backup available for 44"-88" fixtures (supplied with remote test switch/indicator plate assembly)

Standard light outputs range from 450 – 830 lumens per foot

LEDs available in 2700K, 3000K, 3500K, and 4000K, within a 3 step MacAdam ellipse, all with 90+ CRI typical

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

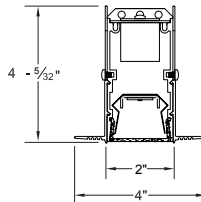
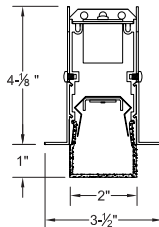
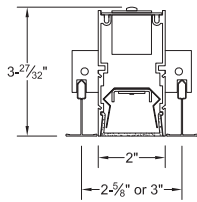


SECTIONS

T1: T-grid 9/16"
T2: T-grid 15/16"
(flush lens option shown)

FT: Flange
(drop lens option shown)

TL: Trimless
(flush lens option shown)



PERFORMANCE

NOMINAL LENGTH	OPTIC CONFIGURATION	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
44"	FLUSH	L: low	450	5.5	1666	79
		R: regular	580	7.6	2164	74
		H: high	670	10.6	2843	70
	DROP	L: low	490	5.5	1809	86
		R: regular	630	7.6	2349	81
		H: high	830	10.6	3087	76

Note: All data reflects fixtures with 3500K LEDs

BSS420 -

MOUNTING	NOMINAL FIXTURE LENGTH**	CORRELATED COLOR TEMPERATURE	DRIVER	LIGHT OUTPUT (lumens per foot w/drop lens)*	RUN CONFIGURATION	OPTIONS
T1: T-grid 9/16" T2: T-grid 15/16" FT: Flange trim TL: Trimless CF: consult factory for custom mounting	22: 22" 55: 55" 24: 24" 61: 61" 33: 33" 66: 66" 39: 39" 72: 72" 44: 44" 77: 77" 48: 48" 83: 83" 50: 50" 88: 88"	27: 2700K-90+ CRI 30: 3000K-90+ CRI 35: 3500K-90+ CRI 40: 4000K-90+ CRI	ND: non-dimming [Dimming] D: 0-10V, 1% HES: Lutron EcoSystem, soft-on/fade-to-black, 1% H2: Lutron Hi-lume 2-wire forward phase, 1%, (120V ONLY) E5: Lutron EcoSystem 5-Series, 5% EL: eldoLED ECOdrive 0-10V, 1%	L: low - 490 R: regular - 630 H: high - 830 CF: consult factory for custom output	SN: single ST: starter AD: adder TR: terminator	CP: Chicago plenum ED: emergency driver (44"-88" fixtures) WS1: Wattstopper FS-205 ‡ ES1: EasySense SNS102 ‡ ES2: EasySense SNS200 ‡ ES3: EasySense SNS300 ‡ EN1: Enlighted FS-D22 ‡ CF: consult factory for custom finish
					LENS F1: frosted flush F2: frosted drop L: louver	

* Output for drop lens option. Consult performance table for all output options.

** Actual dimension dependent on mounting option and run configuration

‡ See sensor section for driver compatibility information

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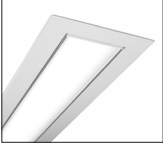
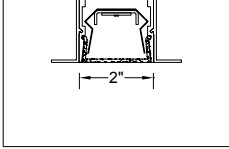

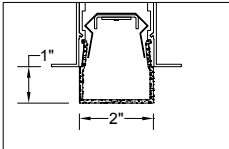

MOUNTING

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
<p>T1 T2</p>	<p>T-grid ceiling 9/16" T-grid ceiling 15/16"</p>	<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
<p>FT</p>	<p>Flange - drywall ceiling or wall</p>	<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) • For wall installations or special ceiling conditions, order accessory mounting brackets
<p>TL</p>	<p>Trimless - drywall ceiling or wall</p>	<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


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LENS OPTIONS

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS	
	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	
shown with flange trim option				
	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 44-88" fixtures • Provided with combination test switch/indicator light mounted to wall plate for remote installation
Note: remote battery backup available for shorter fixture lengths - ordered separately, consult factory for details			

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.

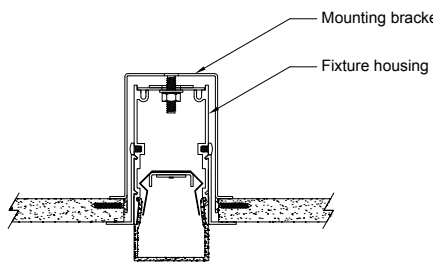
	ORDERING CODE	BRAND AND MODEL	FUNCTIONS	
	WS1	Wattstopper FS-205	Occupancy and light level sensor	For use with on/off or 0-10V dimming drivers only
	EN1	Enlighted FS-D22	Occupancy, ambient light sensing, daylight harvesting, and environment monitoring for Enlighted control network	Provided with Advance sensor ready series 0-10V dimming drivers
	ES1	Philips EasySense SNS102	Occupancy, daylight harvesting and task tuning sensor with simple grouping	Provided with Advance sensor ready series 0-10V dimming drivers
	ES2	Philips EasySense SNS200	Occupancy, daylight harvesting and task tuning sensor with advance grouping	Provided with Advance sensor ready series 0-10V dimming drivers
	ES3	Philips EasySense SNS300	Occupancy, daylight harvesting sensor for integration with Zigbee control networks	Provided with Advance sensor ready series 0-10V dimming drivers

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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" - 61" nom. fixtures, three required for 66" - 88" nom. fixtures

FIXTURE LENGTHS

FOR T-GRID WITH STANDARD 24" AND 48" CENTERS ONLY
SINGLE (SN) CONFIGURATION ONLY

ORDER CODE	HOUSING LENGTH 9/16" T-GRID	HOUSING LENGTH 15/16" T-GRID
24	23-1/4"	22-7/8"
48	47-1/4"	46-7/8"

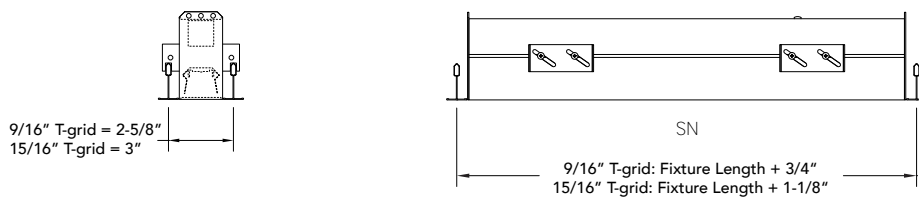
FOR T-GRID WITH CUSTOM CENTERS OR FLANGE AND TRIMLESS MOUNTING OPTIONS

SINGLE (SN), STARTER (ST), ADDER (AD), TERMINATOR (TR) CONFIGURATIONS

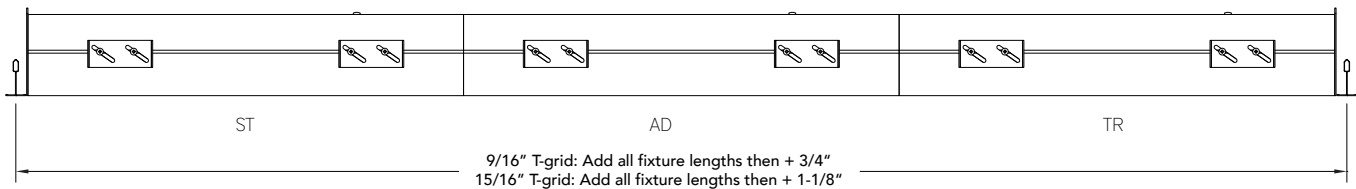
ORDER CODE	HOUSING LENGTH	ORDER CODE	HOUSING LENGTH
22	22-1/8"	55	55-1/8"
24	24-1/8"	61	60-5/8"
33	33-1/8"	66	66-1/8"
39	38-5/8"	72	71-5/8"
44	44-1/8"	77	77-1/8"
48	48-1/8"	83	82-5/8"
50	49-5/8"	88	88-1/8"

TO DETERMINE CUSTOM GRID CENTERS FOR T-GRID CEILING MOUNTING

Single Fixtures

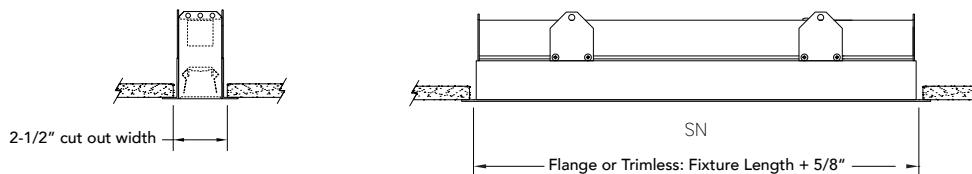


Continuous Runs



TO DETERMINE WALL / CEILING CUT OUT FOR FLANGE TRIM AND TRIMLESS MOUNTING

Single Fixtures



Continuous Runs

