BSS440 | wake

4" wide aperture recessed LED luminaire

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Project: _____ Type: _____

shown with flange trim and flush lens options

7 DAY QuickShip

Highlighted fields denote QuickShip Options. See complete 7-Day QuickShip Terms and Conditions available at *www.bartcolighting.com/quickship-products/* Purchase order must reference "QuickShip".

FEATURES

A member of the Wake series, the BSS440 is a recessed, extruded aluminum linear LED luminaire with 4" 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.

Fixture with certain options available for 7-Day QuickShip.

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.)

Frosted acrylic lens options include a flush fit or 1" drop style with lensed ends

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 465 – 905 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 L$_{70}$
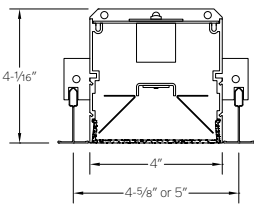
Chicago plenum rated option available

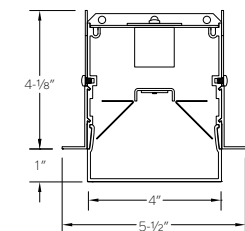Nominal weight is 3.4 lbs. per foot

Limited five year warranty

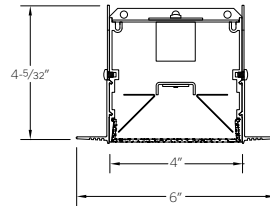UL and C-UL listed for dry and damp locations

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

Note: All data reflects fixtures with 3500K LEDs

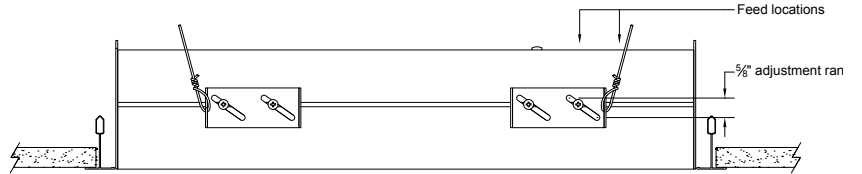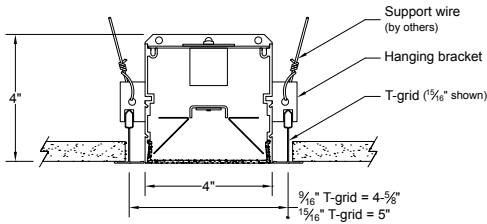| NOMINAL LENGTH	OPTIC OPTION	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
45"	FLUSH	L: low	465	5.7	1733	82
		R: regular	685	7.8	2550	77
		H: high	795	10.9	2957	73
	DROP	L: low	530	5.7	1980	94
		R: regular	690	7.8	2571	88
		H: high	905	10.9	3378	83

BSS440 –

___ - ___ - ___ - ___ - ___ - ___ - ___

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

NOMINAL APERTURE LENGTH*
22: 22"
24: 24"
33: 33"
39: 39"
44: 44"
48: 48"
50: 50"
55: 55"
61: 61"
66: 66"
72: 72"
77: 77"
83: 83"
88: 88"

CORRELATED COLOR TEMPERATURE
27: 2700K-90+ CRI
30: 3000K-90+ CRI
35: 3500K-90+ CRI
40: 4000K-90+ CRI

DRIVER
ND: non-dimming

[Dimming]
D: 0-10V, 1%
DTR: triac, 1%, (120V ONLY)
DLV: electronic low voltage, 1%, (120V ONLY)
HES: Lutron EcoSystem, soft-on/fade-to-black, 1%
EL: eldoLED ECOdrive 0-10V, 1%
ES: eldoLED SOLOdrive 0-10V, 0.1%
ELD: eldoLED ECOdrive DALI, 1%
ESD: eldoLED SOLOdrive DALI, 0.1%

LIGHT OUTPUT
(lumens per foot w/lens option F1)
L: low – 465
R: regular – 685
H: high – 795
CF: consult factory for custom output

LENS
F1: frosted flush
F2: frosted drop

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

OPTIONS
CP: Chicago plenum
ED: emergency driver (44"–88" fixtures)
WS1A: Wattstopper FS-205, 100%-0% ‡
WS1B: Wattstopper FS-205, 100%-50% ‡
EN1: Enlighted FS-D22 ‡
ES1A: EasySense SNS102, 100%-0% ‡
ES1B: EasySense SNS102, 100%-50% ‡
ES2A: EasySense SNS200, 100%-0% ‡
ES2B: EasySense SNS200, 100%-50% ‡
CF: consult factory for custom finish options

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

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4" wide aperture recessed LED luminaire

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MOUNTING

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
T1 T2	T-grid ceiling $^9/_{16}$" T-grid ceiling $^{15}/_{16}$"	• 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

Support wire (by others)
Hanging bracket
T-grid ($^{15}/_{16}$" shown)
4"
4"
$^9/_{16}$" T-grid = 4-$^5/_8$"
$^{15}/_{16}$" T-grid = 5"

Feed locations
$^5/_8$" adjustment range

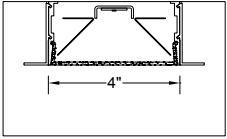| FT	Flange - drywall ceiling or wall	• **For wall installations or special ceiling conditions, order accessory mounting brackets 440-WB** • $^3/_4$" wide extruded aluminum trim flange in matte white finish • Housing secured with support wires or $^1/_4$-20 threaded rod (by others)

Support wire (by others)
4 $^1/_{16}$"
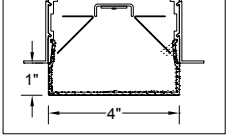$^3/_4$"
4"
5-$^1/_2$"

Feed locations
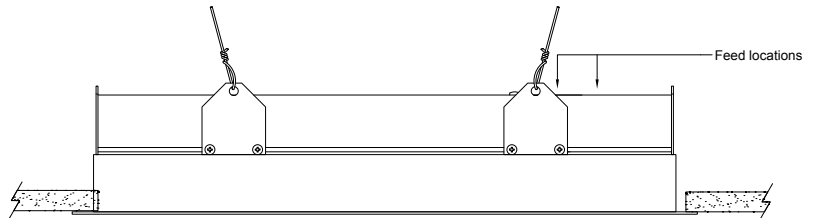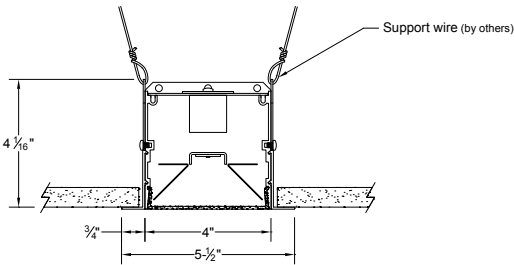
TL	Trimless - drywall ceiling or wall	• Installs after $^1/_2$" or $^5/_8$" drywall • Housing secured with self-tapping drywall screws (by others) into blocking as required

Blocking as required
Self-tapping drywall screw (by others)
Finished ceiling surface
4-$^5/_{32}$"
1"
4"
6"

Feed locations
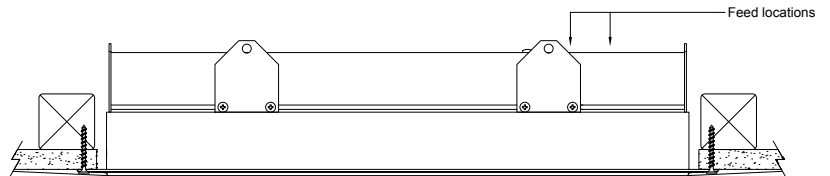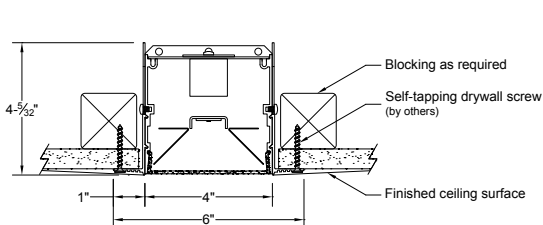
LENS OPTIONS

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS	
	F1	FROSTED FLUSH LENS	4" W frosted acrylic extrusion	
	F2	FROSTED DROP LENS	4" W x 1" H frosted acrylic extrusion with matching acrylic end caps	

OPTIONS

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	ED	EMERGENCY LED DRIVER	• Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes • Available for 44"–88" fixtures • Provided with combination test switch/indicator light for remote mount installation

Note: remote battery backup available for shorter fixture lengths – ordered separately, consult factory for details.
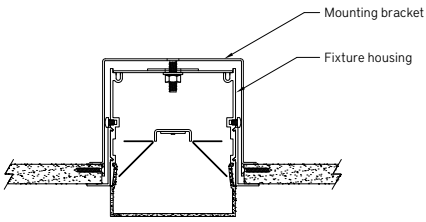
INTEGRATED SENSORS

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.
Consult factory for custom light output setting.

	ORDERING CODE	LIGHT OUTPUT SETTING	BRAND AND MODEL	FUNCTIONS	NOTES
	WS1A	100% – 0%	Wattstopper FS-205	Occupancy and light level sensor	For use with on/off or 0-10V dimming drivers only
	WS1B	100% – 50%			
	EN1	Set during commissioning	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
	ES1A	100% – 0%	Philips EasySense SNS102	Occupancy, daylight harvesting and task tuning sensor with simple grouping	Provided with Advance sensor ready series 0-10V dimming drivers
	ES1B	100% – 50%			
	ES2A	100% – 0%	Philips EasySense SNS200	Occupancy, daylight harvesting and task tuning sensor with advance grouping	Provided with Advance sensor ready series 0-10V dimming drivers
	ES2B	100% – 50%			

ACCESSORIES

Note: Accessories sold separately

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
Mounting bracket / Fixture housing	440-WB	WALL MOUNT BRACKET	• 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

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4" wide aperture recessed LED luminaire

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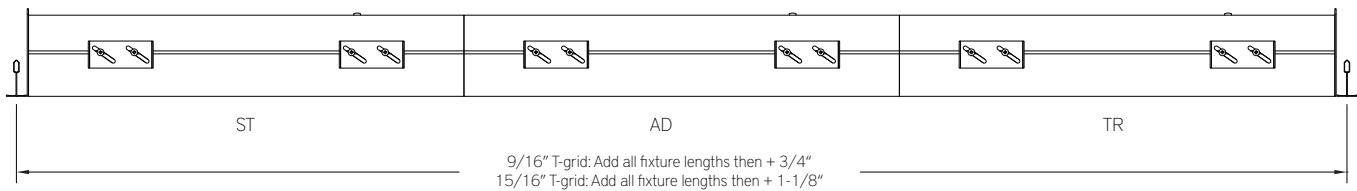#### SINGLE (SN), STARTER (ST), ADDER (AD), TERMINATOR (TR) CONFIGURATIONS

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

9/16" T-grid = 4-5/8"
15/16" T-grid = 5"

SN

9/16" T-grid: Fixture Length + 3/4"
15/16" T-grid: Fixture Length + 1-1/8"

Continuous Runs

ST   AD   TR

9/16" T-grid: Add all fixture lengths then + 3/4"
15/16" T-grid: Add all fixture lengths then + 1-1/8"
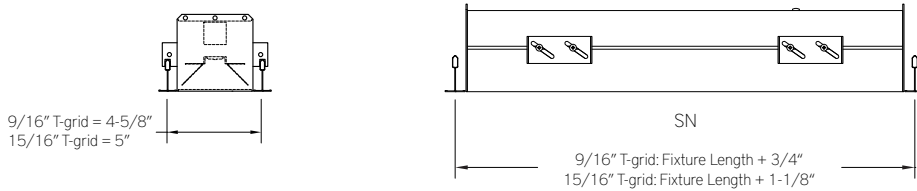
TO DETERMINE WALL / CEILING CUT OUT FOR FLANGE TRIM AND TRIMLESS MOUNTING

Single Fixtures

4-1/2" cut out width

SN

Flange or Trimless: Fixture Length + 5/8"

Continuous Runs

ST   AD   TR

Flange or Trimless: Add all fixture lengths then + 5/8"