

BWG400 | wake

3" aperture recessed wall graze LED luminaire

Project: _____ Type: _____



FEATURES

The BWG400 is a recessed wall graze luminaire with a 3" wide aperture. The visually quiet fixture integrates with typical hard and grid ceiling systems. An optically engineered extruded aluminum reflector with proprietary micro finish anodized coating and internal shielding produce a very narrow asymmetric distribution, specifically optimized for grazing adjacent surfaces.

SPECIFICATIONS

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

An optically designed extruded aluminum reflector with proprietary anodized finish and laser cut shielding components work to produce a very narrow asymmetric distribution.

Available for installation in typical 9/16" and 15/16" grid ceilings or drywall ceilings with flange and trimless options

Heavy gauge, steel brackets lock fixture housing to included j-rail mounting channel

Fixtures available in straight lengths of nominal 2'-8', 90° or 135° inside and outside corners and two field-trimmable filler units

Basic continuous run fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring greater amperage)

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 48" or 96" fixtures (supplied with remote test switch/indicator plate assembly)

Standard light outputs are 370, 505 or 765 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

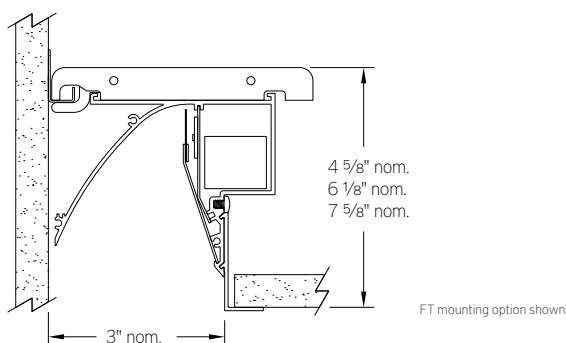
Nominal weight is 2.1 lbs. per foot

Limited five year warranty

UL and C-UL listed for dry and damp locations



SECTIONS



PERFORMANCE

NOMINAL LENGTH	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4'	L: low	370	5.0	1503	74
	R: regular	505	7.0	2046	72
	H: high	765	11.3	3107	67

Note: All data reflects fixtures with 3500K LEDs

BWG400 -

SHAPE	CORRELATED COLOR TEMPERATURE	DRIVER	LIGHT OUTPUT (lumens per foot)	MOUNT	MOUNT DEPTH	OPTIONS
22: straight 22-1/4"		ND: non-dimming		T1: T-grid 9/16"	A: refer to table	CP: Chicago plenum**
33: straight 33-1/4"		[Dimming]		T2: T-grid 15/16"	B: refer to table	ED: emergency driver (48" or 96" non-dim or 0-10V only)
44: straight 44-1/4"	27: 2700K-90+ CRI	D: 0-10V, 1%	L: low - 370	FT: Flange trim	C: refer to table	
55: straight 55-1/4"	30: 3000K-90+ CRI	DTR: triac, 1%	R: regular - 505	TL: Trimless		
66: straight 66-1/4"	35: 3500K-90+ CRI	DLV: electronic low voltage, 1%	H: high - 765	CF: consult factory for custom mounting		
77: straight 77-1/4"	40: 4000K-90+ CRI	HES: Lutron EcoSystem, soft-on fade-to-black, 1%	CF: consult factory for custom output			
88: straight 88-1/4"		EL: eldoLED ECOdrive 0-10V, 1%				
F1: Filler 12-1/4" - 17-3/4"		ES: eldoLED SOLOdrive 0-10V, 0.1%				
F2: Filler 17-3/4" - 23-1/4"		ELD: eldoLED ECOdrive DALI, 1%				
CI90: corner inside - 90°		ESD: eldoLED SOLOdrive DALI, 0.1%				
CO90: corner outside - 90°						
CI135: corner inside - 135°						
CO135: corner outside - 135°						

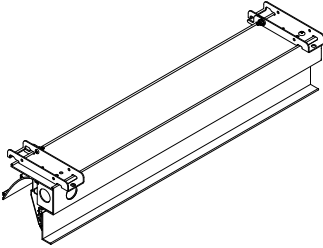
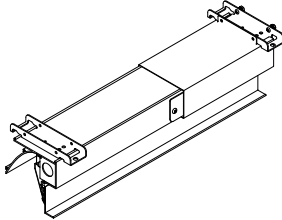
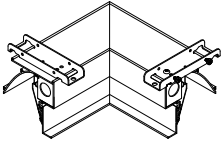
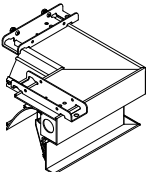
* Run configuration applicable to Straight and Filler shapes. Corners are always adders.

** Not available for F1 or F2 filler fixtures.

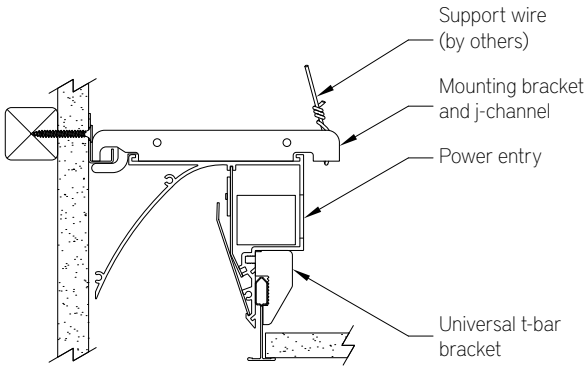
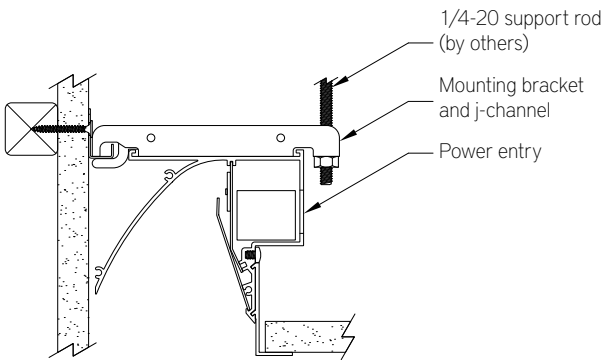
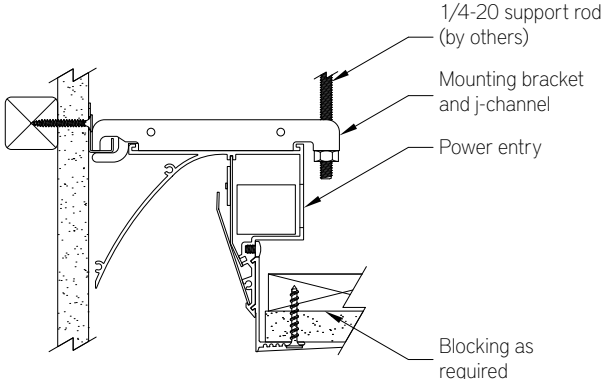
RUN CONFIGURATION*

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

SHAPE

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	22, 33, 44, 55, 66, 77, 88	STRAIGHT	<ul style="list-style-type: none"> Available in lengths of 22-1/4", 33-1/4", 44-1/4", 55-1/4", 66-1/4", 77-1/4", 88-1/4" Top mounting brackets also align fixtures in a continuous run Power entry hole provided on the back side, near an end
	F1 F2	FILLER, SHORT FILLER, LONG	<ul style="list-style-type: none"> Available in two sizes (F1=13"-19" and F2=19"-25") to fill run lengths. Extrusion and shield are field-trimmed for a custom fit Sliding reflector section adjusts to minimize gap between LED modules (1/2" maximum gap at either end) Depending on driver option, power is either integral or supplied by adjacent fixture (determined by Bartco Lighting in the quoting stage)
	CI90 CI135	CORNER INSIDE – 90° CORNER INSIDE – 135°	<ul style="list-style-type: none"> Extrusion provided assembled at 90° angle (CI90) or 135° (CI135) Power supplied by adjacent fixture (determined by Bartco Lighting in quoting stage)
	CO90 CO135	CORNER OUTSIDE – 90° CORNER OUTSIDE – 135°	<ul style="list-style-type: none"> Extrusion provided assembled at 90° angle (CO90) or 135° (CO135) Power supplied by adjacent fixture (determined by Bartco Lighting in quoting stage)

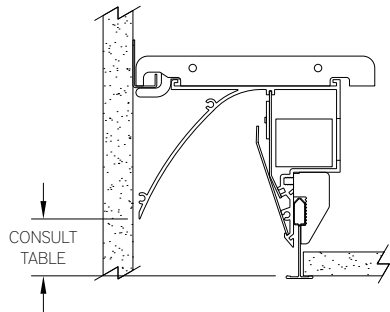
MOUNTING

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
<p>T1 T2</p>  <p>Support wire (by others)</p> <p>Mounting bracket and j-channel</p> <p>Power entry</p> <p>Universal t-bar bracket</p>	<p>T-GRID CEILING 9/16"</p> <p>T-GRID CEILING 15/16"</p>	<ul style="list-style-type: none"> Fixtures interface with common flat, regular and slotted t-grid types A clasp feature locks the top bracket to provided heavy gauge j-channel, mounted to wall surface Housing secured with support wires or 1/4-20 threaded rod (by others)
<p>FT</p>  <p>1/4-20 support rod (by others)</p> <p>Mounting bracket and j-channel</p> <p>Power entry</p>	<p>FLANGE - DRYWALL CEILING</p>	<ul style="list-style-type: none"> Installs before 1/2" or 5/8" drywall 3/4" wide extruded aluminum trim flange in matte white finish A clasp feature locks the top bracket to provided heavy gauge j-channel, mounted to wall surface Housing secured with 1/4-20 threaded rod (by others)
<p>TL</p>  <p>1/4-20 support rod (by others)</p> <p>Mounting bracket and j-channel</p> <p>Power entry</p> <p>Blocking as required</p>	<p>TRIMLESS - DRYWALL CEILING</p>	<ul style="list-style-type: none"> Installs before 1/2" or 5/8" drywall Top bracket locks to provided heavy gauge j-channel mounted to wall surface Housing secured with support wires or 1/4-20 threaded rod and self-tapping drywall screws (by others) into blocking as required

MOUNTING DEPTH

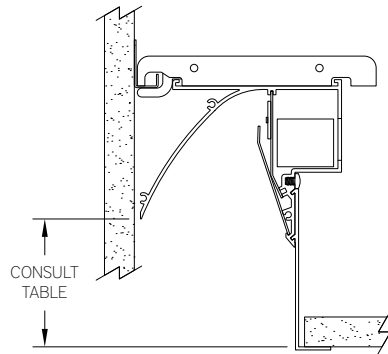
T1, T2

"A" option depth shown



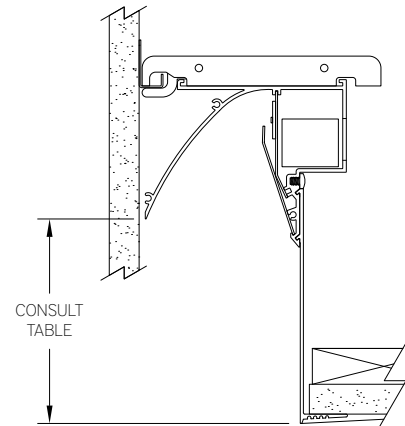
FT

"B" option depth shown



TL

"C" option depth shown



Three standard mounting depths above the ceiling plane are available. The measurement shown is the distance from the ceiling plane to the wall edge of the luminaire aperture.

DEPTH OPTION ORDERING CODE	MOUNT ORDERING CODE		
	T1, T2	FT	TL
A	1-3/16"-1-5/16"*	1-3/16"	1-5/16"
B	2-11/16"-2-13/16"*	2-11/16"	2-13/16"
C	4-3/16"-4-5/16"*	4-3/16"	4-5/16"

* Dimension dependent on t-grid type. Consult installation instructions for details.

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 48" or 96" 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

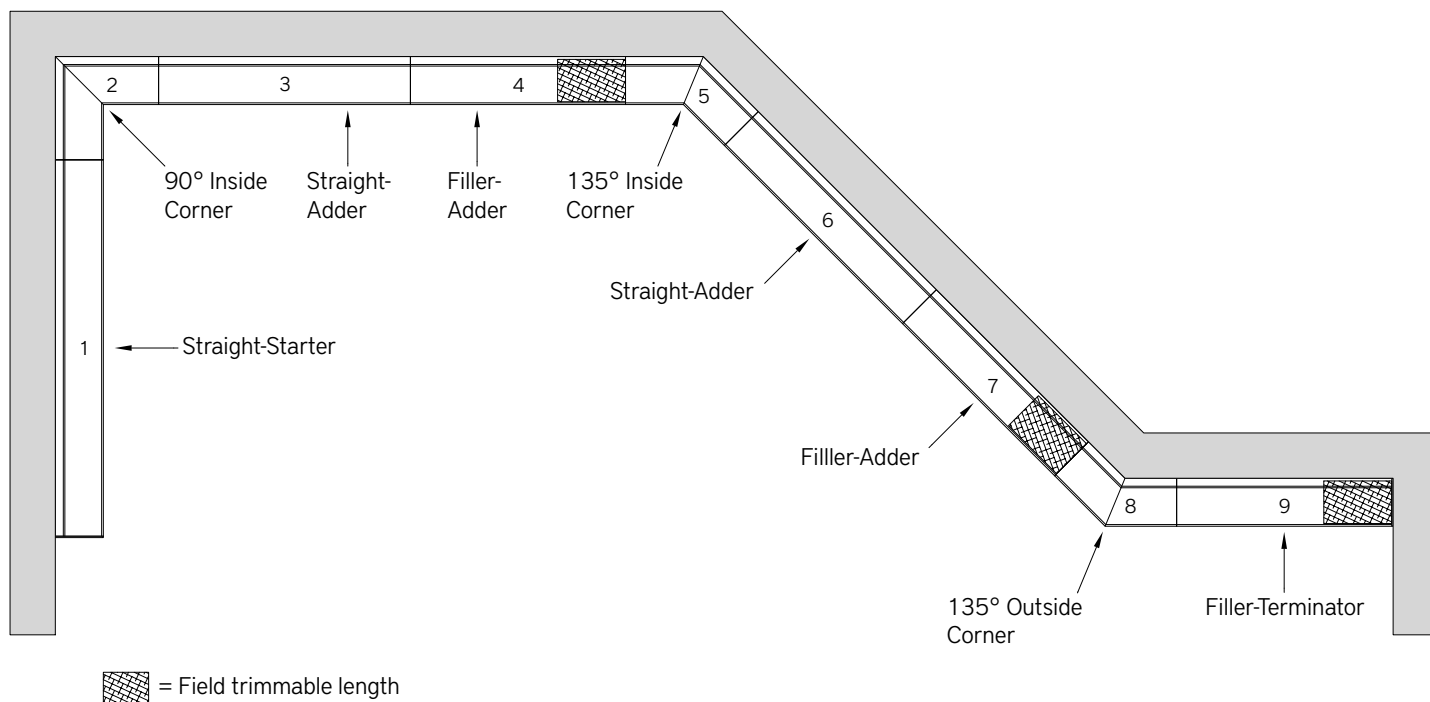
Note: remote battery backup available for shorter fixture lengths - ordered separately, consult factory for details

LAYOUT EXAMPLE

After installing mounting channels around the perimeter, install the corner fixtures, followed by straight fixtures.

Trim the filler fixtures to fit remaining run lengths and place onto the mounting channel.

IMPORTANT: Provide finished layout to Bartco Lighting for verification



Partial Model Number Examples

	PARTIAL MODEL NUMBER	KEY DESCRIPTIONS
1	BWG400-44-XX-XX-X-XX-X-ST	Straight 44" Nom., Starter
2	BWG400-CI90-XX-XX-X-XX-X	90° Insider Corner
3	BWG400-33-XX-XX-X-XX-X-AD	Straight 33" Nom., Adder
4	BWG400-F2-XX-XX-X-XX-X-AD	Filler 17-3/4"-23-1/4" size, Adder
5	BWG400-CI135-XX-XX-X-XX-X	135° Insider Corner
6	BWG400-33-XX-XX-X-XX-X-AD	Straight 33" Nom., Adder
7	BWG400-F1-XX-XX-X-XX-X-AD	Filler 12-1/4"-17-3/4" size, Adder
8	BWG400-CO135-XX-XX-X-XX-X	135° Outsider Corner
9	BWG400-F1-XX-XX-X-XX-X-TR	Filler 12-1/4"-17-3/4" size, Terminator