

# 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 L<sub>70</sub>.

Chicago plenum rated option available.

Nominal weight is 2.1 lbs. per foot.

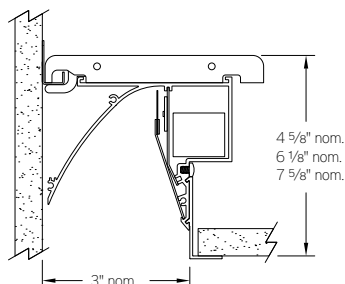
Limited five year warranty.

UL and C-UL listed for dry and damp locations.

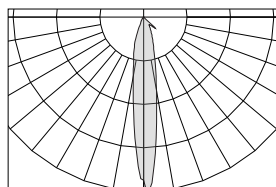


## SECTION

FT mounting option shown



## DISTRIBUTION



## PERFORMANCE

Note: All data reflects fixture with 3500K LEDs

| 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             |

## 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"                        |                   | CP: Chicago plenum**                                    |
| 33: straight 33-1/4"         |                              | [Dimming]                                         |                                       | T2: T-grid 15/16"                       |                   | 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                         | A: refer to table |                                                         |
| 55: straight 55-1/4"         | 30: 3000K-90+ CRI            | DTR: triac, 1%, (120V ONLY)                       | R: regular - 505                      | TL: Trimless                            | B: refer to table |                                                         |
| 66: straight 66-1/4"         | 35: 3500K-90+ CRI            | DLV: electronic low voltage, 1%, (120V ONLY)      | H: high - 765                         | CF: consult factory for custom mounting | C: refer to table |                                                         |
| 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° |                              |                                                   |                                       |                                         |                   |                                                         |

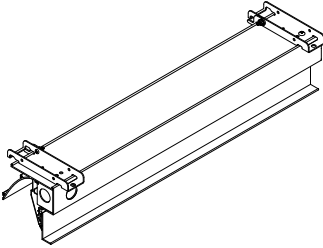
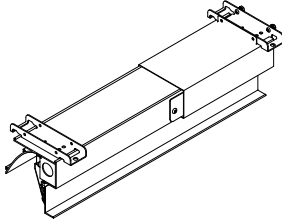
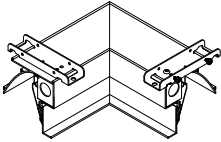
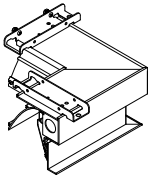
\* Run configuration applicable to Straight and Filler shapes. Corners are always adders.

\*\* Not available for F1 or F2 filler fixtures.

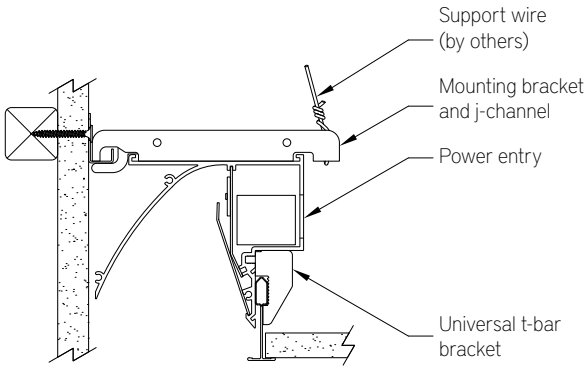
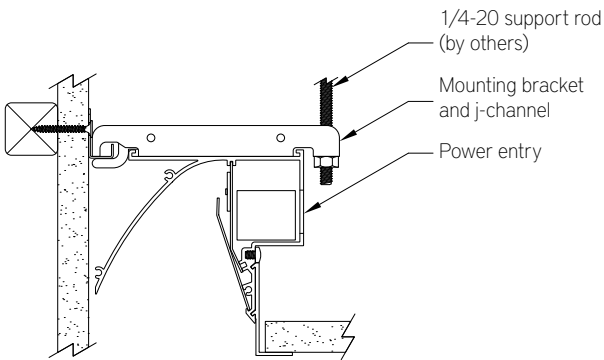
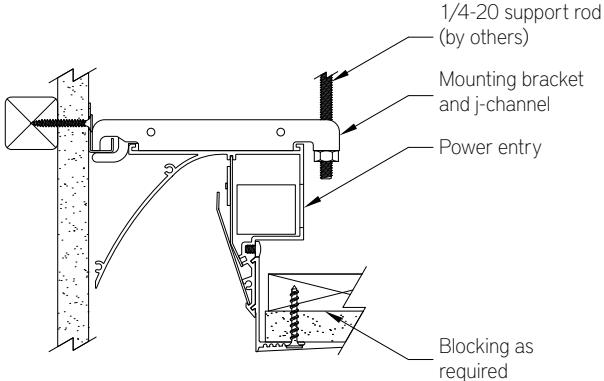
## RUN CONFIGURATION\*

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

## SHAPE

|                                                                                     | ORDERING CODE                       | DESCRIPTION                                   | SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 22, 33,<br>44, 55,<br>66, 77,<br>88 | STRAIGHT                                      | <ul style="list-style-type: none"> <li>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"</li> <li>Top mounting brackets also align fixtures in a continuous run</li> <li>Power entry hole provided on the back side, near an end</li> </ul>                                                                                                                                                                                              |
|    | F1<br>F2                            | FILLER, SHORT<br>FILLER, LONG                 | <ul style="list-style-type: none"> <li>Available in two sizes (F1=12-1/4"-17-3/4" and F2=17-3/4"-23-1/4") to fill run lengths</li> <li>Extrusion and shield are field-trimmed for a custom fit</li> <li>Sliding reflector section adjusts to minimize gap between LED modules (1/2" maximum gap at either end)</li> <li>Depending on driver option, power is either integral or supplied by adjacent fixture (determined by Bartco Lighting in the quoting stage)</li> </ul> |
|  | CI90<br>CI135                       | CORNER INSIDE – 90°<br>CORNER INSIDE – 135°   | <ul style="list-style-type: none"> <li>Extrusion provided assembled at 90° angle (CI90) or 135° (CI135)</li> <li>Power supplied by adjacent fixture (determined by Bartco Lighting in quoting stage)</li> </ul>                                                                                                                                                                                                                                                              |
|  | CO90<br>CO135                       | CORNER OUTSIDE – 90°<br>CORNER OUTSIDE – 135° | <ul style="list-style-type: none"> <li>Extrusion provided assembled at 90° angle (CO90) or 135° (CO135)</li> <li>Power supplied by adjacent fixture (determined by Bartco Lighting in quoting stage)</li> </ul>                                                                                                                                                                                                                                                              |

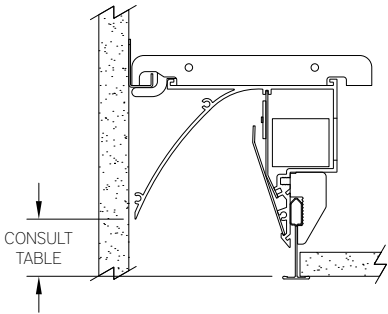
## MOUNTING

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

MOUNTING DEPTH

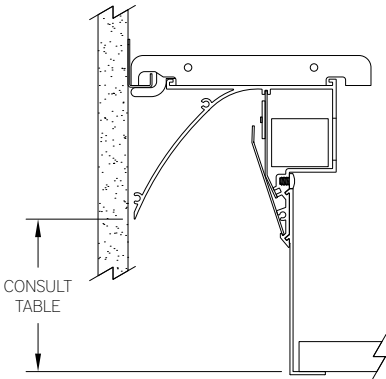
T1, T2

"A" option depth shown



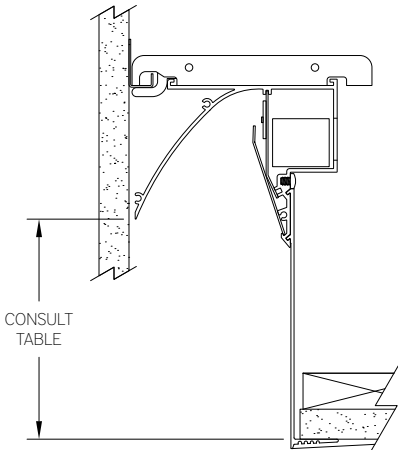
FT

"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<br>ORDERING CODE | MOUNT ORDERING CODE  |          |         |
|-------------------------------|----------------------|----------|---------|
|                               | T1, T2               | FT       | TL      |
| A                             | 1-3/16" – 1-5/16"*   | 1-3/16"  | 1-1/16" |
| B                             | 2-3/16" – 2-5/16"*   | 3-3/16"  | 3-1/16" |
| C                             | 4-11/16" – 4-13/16"* | 4-11/16" | 4-9/16" |

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

OPTIONS

ORDERING CODE

DESCRIPTION

SPECIFICATIONS



ED

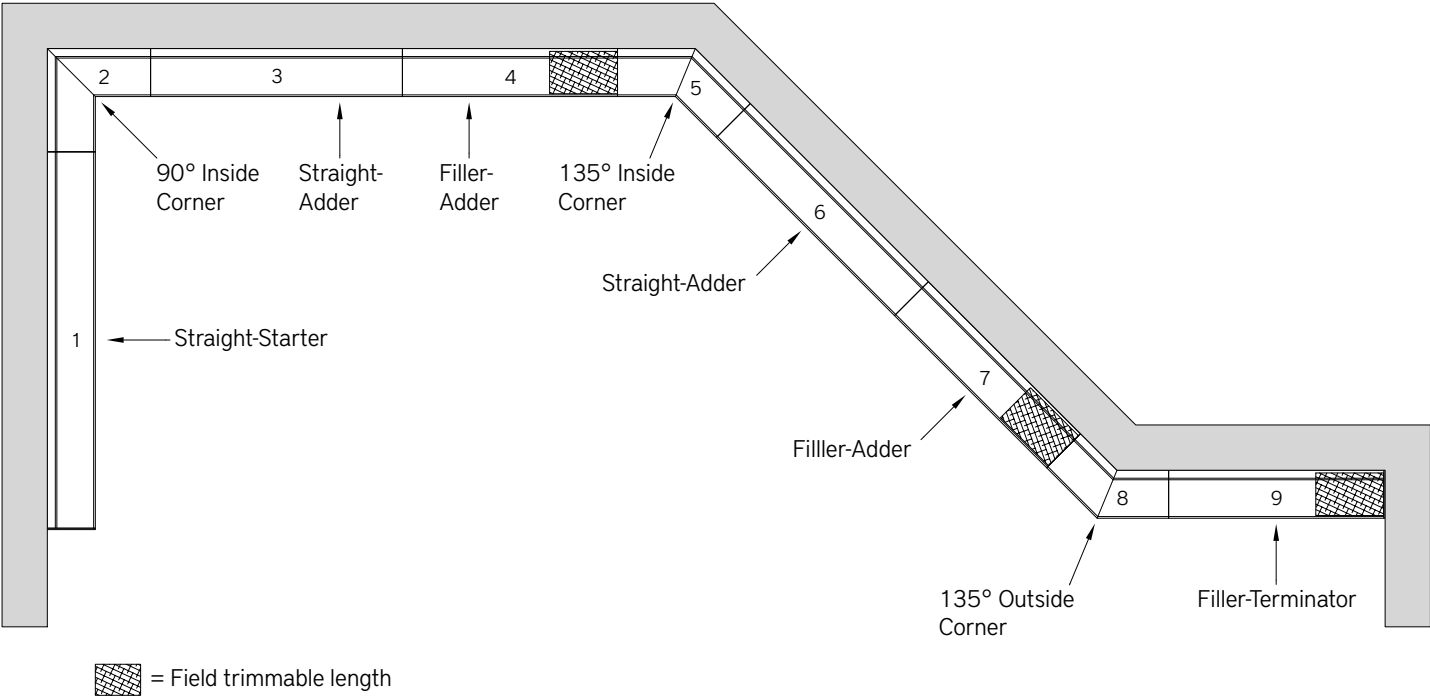
EMERGENCY LED DRIVER

- 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 for remote mount 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 |