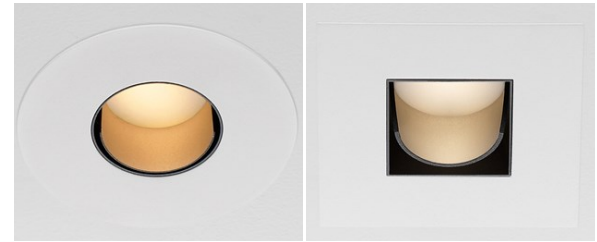


2 SERIES LED INT WALL GRAZER

High-output, low profile, and infinite adjustment -- these small aperture downlights make elegant design statements in discerning residential, retail, and hospitality environments.

| | |
|---------------|-------|
| PROJECT NAME: | TYPE: |
|---------------|-------|



ORDERING INFORMATION

| FITTING | RATING | FLANGE FINISH | CRI / WATTAGE PACKAGE | CCT | OPTIC | INSTALL TYPE | CEILING THICKNESS | POWER SUPPLY | MEDIA | FLANGE CONFIGURATION |
|--|---|--|---|---|----------------------|--------------|--|---|---------------------|--|
| | | | | | WG | EX | | | GL | |
| 2PG Round Pinhole 2SG Square Expanded | 1 IP20 Dry / Damp 2 IP64 Wet* *(Lens sealed in place) | WH White AG Satin Silver IG Industrial Gray AU Cashmere Gold AB Arch Bronze BB Burnt Bronze BK Black PR Primer SS Stainless Steel* *(Increased lead time) CF Custom* *(Consult Factory) | <p>LOW FLUX STATIC WHITE 3.73" TALL HOUSING</p> <p>80S06A 80+ CRI, 6 Watts (Delivered - 2PG 331, 2SG 389) 80S11A 80+ CRI, 11 Watts (Delivered - 2PG 536, 2SG 628) 80S15A 80+ CRI, 15 Watts (Delivered - 2PG 724, 2SG 856) 90S06A 90+ CRI, 6 Watts (Delivered - 2PG 285, 2SG 335) 90S11A 90+ CRI, 11 Watts (Delivered - 2PG 462, 2SG 541) 90S15A 90+ CRI, 15 Watts (Delivered - 2PG 624, 2SG 738) 97S06A 97+ CRI, 6 Watts (Delivered - 2PG 251, 2SG 295) 97S11A 97+ CRI, 11 Watts (Delivered - 2PG 407, 2SG 476) 97S15A 97+ CRI, 15 Watts (Delivered - 2PG 549, 2SG 649)</p> <p>HIGH FLUX STATIC WHITE 6.5" TALL HOUSING</p> <p>80S21A 80+ CRI, 21 Watts (Delivered - 2PG 1000, 2SG 1156) 90S21A 90+ CRI, 21 Watts (Delivered - 2PG 862, 2SG 997) 97S21A 97+ CRI, 21 Watts (Delivered - 2PG 758, 2SG 877)</p> <p>WARM DIM 6.5" TALL HOUSING</p> <p>90W11A 90+ CRI, 11 Watts Incandescent Profile: 2600K - 1800K (Delivered - 2PG 276, 2SG 289) Halogen Profile: 2900K - 1800K (Delivered - 2PG 263, 2SG 323) 90W15A 90+ CRI, 15 Watts Incandescent Profile: 2700K - 1800K (Delivered - 2PG 386, 2SG 406) Halogen Profile: 3000K - 1800K (Delivered - 2PG 369, 2SG 406) *SEE PAGE 4 FOR DETAILED WARM DIM PROFILE COMPARISON.</p> <p>TUNABLE WHITE 6.5" TALL HOUSING</p> <p>90T17A 90+ CRI, 17 Watts Warm Profile (Delivered - 2PG 386, 2SG 406) Cool Profile (Delivered - 2PG 369, 2SG 406) *ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K.</p> | 24 2400K* *(90+ CRI only, 15W max) 27 2700K 30 3000K 35 3500K 40 4000K | WG Wall Grazer Optic | EX Export | 0 3mm-13mm 1 13mm-20mm 2 20mm-32mm 3 32mm-51mm 4 51mm-76mm | <p>(120-277V)</p> <p>AN3 eldoLED, ECOdrive 1.0% 0-10V, LOG LN1 eldoLED, ECOdrive 1.0% 0-10V, LIN EA1 eldoLED, SOLOdrive 0.1% 0-10V, LOG LA1 eldoLED, SOLOdrive 0.1% 0-10V, LIN ED1 eldoLED, SOLOdrive 0.1% DALI-2, LOG LD1 eldoLED, SOLOdrive 0.1% DALI-2, LIN NOD Driver Supplied by Others</p> <p>TUNABLE WHITE REMOTE (0.1%, 120-277V)</p> <p>DD1 eldoLED, DUALdrive DALI-2, LOG</p> | GL Wall Grazer Lens | <p>F Flange Overlay (No Applique)* *(Required for Zero Sightline wood applications) G Zero Sightline Gypsum (1.57mm Applique)* *(Not available for wet location) P Zero Sightline Plaster (3.18mm Applique)* *(Not available for wet location)</p> |

PART NUMBER NOTES

- Fittings ships as e.g. 2SG1-WH-80S15A2-GEX1-AN3GL
- Driver ships with fitting
- Appliqué ships with fitting

LUCIFER®
LIGHTING COMPANY

luciferlighting.com

©2025 Lucifer® Lighting Company

As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.



Declare.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 1

[DATE OF REV: 02142025]

2 SERIES LED INT WALL GRAZER

ACCESSORIES

REPLACEMENT OPTIC

Interchangeable optics accessible through fitting aperture.

❑ **RO-50-WG-2** Wall Grazer Optic

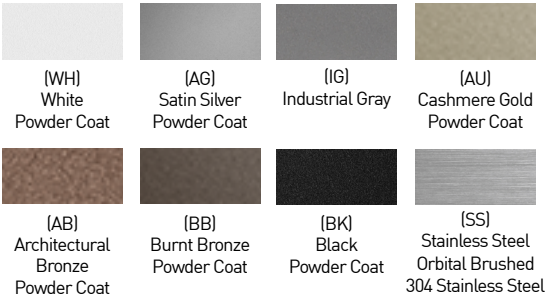
ROUTER TOOL GUIDE (IP10 Dry / Damp locations only)

Recommended for Zero-Sightline installations in wood ceilings.

❑ **DLA-RTG-2S-RD** Tool, [router guide](#), round; reusable

❑ **DLA-RTG-2S-SQ** Tool, [router guide](#), square; reusable

FINISHES BY LUCIFER LIGHTING



DRIVE CURRENT SPECIFICS

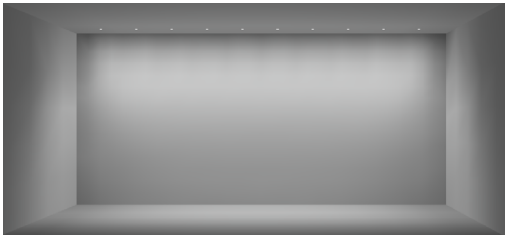
| | 80S | | | | 90S | | | | 97S | | | | 90W | | | | 90T | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 06A | 11A | 15A | 21A | 06A | 11A | 15A | 21A | 06A | 11A | 15A | 21A | 11AD | 11AL | 15AD | 15AL | 17AH | 17AR |
| Minimum Vf | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| Maximum Vf | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 |
| Current mA | 150 | 250 | 350 | 500 | 150 | 250 | 350 | 500 | 150 | 250 | 350 | 500 | 250 | 250 | 350 | 350 | 400 | 400 |
| Wattage W | 6 | 11 | 15 | 21 | 6 | 11 | 15 | 21 | 6 | 11 | 15 | 21 | 8 | 8 | 15 | 15 | 14 | 14 |

| | 10 DEGREE OPTIC | | |
|------------|-----------------|--------|--------|
| | 80S15C | 90S15C | 97S15C |
| Minimum Vf | 30.5 | 30.5 | 30.5 |
| Maximum Vf | 36.2 | 36.2 | 36.2 |
| Current mA | 350 | 350 | 350 |
| Wattage W | 15 | 15 | 15 |

2 SERIES LED INT WALL GRAZER

WALL GRAZER DESIGN GUIDE

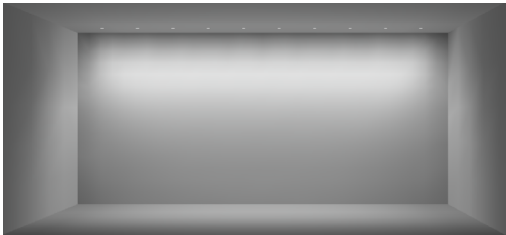
ROUND



RECOMMENDED 18" SETBACK / 24" ON CENTER SPACING

- AVERAGE FC: 11.42
- MIN / MAX: 3.10
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 10 FIXTURES / 22FT WALL SHOWN

SQUARE



RECOMMENDED 18" SETBACK / 24" ON CENTER SPACING

- AVERAGE FC: 14.48
- MIN / MAX: 5.06
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 10 FIXTURES / 22FT WALL SHOWN

ADDITIONAL SPACINGS AND SETBACKS

| ROUND | | |
|-------------------|--------------------------------------|--------------------------------------|
| ON CENTER SPACING | SETBACK | |
| | 16" | 18" |
| 22" | AVERAGE FC: 13.15 MIN / MAX: 3.03 | AVERAGE FC: 12.48 MIN / MAX: 2.83 |
| 24" | AVERAGE FC: 11.99 MIN / MAX: 3.12 | SHOWN ABOVE |
| 26" | AVERAGE FC: 10.92 MIN / MAX: 4.97 | AVERAGE FC: 10.37 MIN / MAX: 4.70 |
| 28" | AVERAGE FC: 10.24 MIN / MAX: 5.26 | AVERAGE FC: 9.76 MIN / MAX: 4.86 |

| SQUARE | | |
|-------------------|--------------------------------------|--------------------------------------|
| ON CENTER SPACING | SETBACK | |
| | 16" | 18" |
| 22" | AVERAGE FC: 16.97 MIN / MAX: 4.60 | AVERAGE FC: 16.14 MIN / MAX: 5.03 |
| 24" | AVERAGE FC: 15.08 MIN / MAX: 4.87 | SHOWN ABOVE |
| 26" | AVERAGE FC: 14.15 MIN / MAX: 4.91 | AVERAGE FC: 13.48 MIN / MAX: 5.34 |
| 28" | AVERAGE FC: 13.05 MIN / MAX: 4.73 | AVERAGE FC: 12.55 MIN / MAX: 5.00 |

***ALL DATA REFLECTS 90S15A WATTAGE PACKAGE**

2 SERIES LED INT WALL GRAZER

STATIC WHITE PERFORMANCE - 3000K

| CRI / WATTAGE PACKAGE | WATTAGE | WALL GRAZER | | | |
|-----------------------------|---------|-------------|-----|-----------|-----|
| | | 2PG | | 2SG | |
| | | DELIVERED | LPW | DELIVERED | LPW |
| 80S06A | 6 | 331 | 55 | 389 | 65 |
| 80S11A | 11 | 536 | 49 | 628 | 57 |
| 80S15A | 15 | 724 | 48 | 856 | 57 |
| 80S21A | 21 | 1000 | 48 | 1156 | 55 |
| 90S06A | 6 | 285 | 49 | 335 | 58 |
| 90S11A | 11 | 462 | 46 | 541 | 54 |
| 90S15A | 15 | 624 | 44 | 738 | 51 |
| 90S21A | 21 | 862 | 41 | 997 | 47 |
| 97S06A | 6 | 251 | 42 | 295 | 49 |
| 97S11A | 11 | 406 | 37 | 494 | 38 |
| 97S15A | 15 | 549 | 37 | 649 | 43 |
| 97S21A | 21 | 758 | 36 | 877 | 42 |
| 90W11A (WL 26K-18K) | 11 | 276 | 28 | 289 | 30 |
| 90W11A (WD 29K-18K) | 11 | 263 | 27 | 323 | 33 |
| 90W15A (WL 27K-18K) | 15 | 386 | 28 | 404 | 29 |
| 90W15A (WD 30K-18K) | 15 | 369 | 26 | 452 | 32 |
| 90T17A (TR 40K-18K) | 17 | 753 | 45 | 833 | 49 |
| 90T17A (TH 50K-27K) | 17 | 746 | 44 | 825 | 49 |

OUTPUT MULTIPLIER

| CCT | CCT SCALE |
|-------|-----------|
| 2400K | 0.76 |
| 2700K | 0.97 |
| 3000K | 1.000 |
| 3500K | 1.03 |
| 4000K | 1.08 |

TUNABLE WHITE MULTIPLIER

| CCT | 5000K- 2700K | 4000K- 1800K |
|-------|-----------------|-----------------|
| 5000K | 1.16 | - |
| 4000K | 1.08 | 1.14 |
| 3500K | 1.04 | 1.07 |
| 3000K | 1.00 | 1.00 |
| 2700K | 0.96 | 0.92 |
| 2400K | - | 0.84 |
| 1800K | - | 0.69 |

Part L

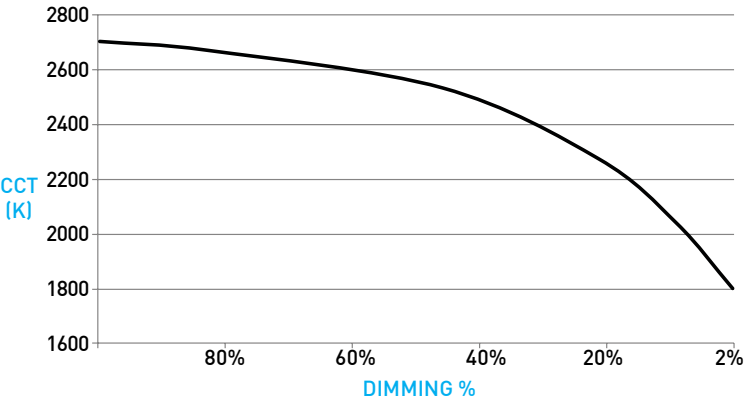
75+ LPW configurations comply with residential Part L
95+ LPW configurations comply with commercial Part L

WARM DIM PERFORMANCE

INCANDESCENT PROFILE

| 90W11AL 2600K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|--------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 2600 | 2550 | 2520 | 2450 | 2200 | 1925 | 1800 |
| Light Output (Lm) | 276 | 221 | 193 | 138 | 55 | 28 | 6 |
| Power (W) | 11 | 9 | 8 | 6 | 2.2 | 1.1 | .2 |
| Efficacy (LPW) | 25 | 25 | 25 | 25 | 25 | 25 | 25 |

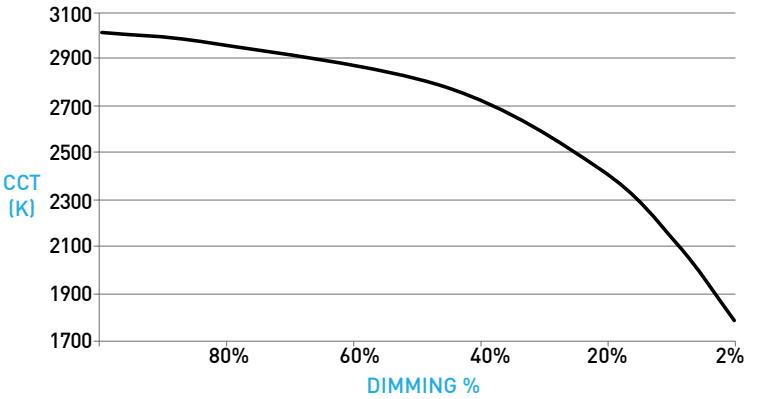
| 90W15AL 2700K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|--------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 2700 | 2650 | 2625 | 2550 | 2200 | 1900 | 1800 |
| Light Output (Lm) | 406 | 325 | 284 | 203 | 82 | 41 | 8 |
| Power (W) | 14 | 11 | 10 | 7 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 29 | 29 | 28 | 29 | 27 | 27 | 27 |



HALOGEN PROFILE

| 90W11AD 2900K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|--------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 2900 | 2850 | 2800 | 2720 | 2350 | 1975 | 1800 |
| Light Output (Lm) | 289 | 231 | 202 | 145 | 58 | 29 | 6 |
| Power (W) | 11 | 9 | 8 | 6 | 2.2 | 1.1 | .2 |
| Efficacy (LPW) | 26 | 26 | 26 | 26 | 26 | 26 | 26 |

| 90W15AD 3000K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|--------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 3000 | 2950 | 2920 | 2775 | 2375 | 2000 | 1800 |
| Light Output (Lm) | 453 | 362 | 317 | 226 | 90 | 45 | 9 |
| Power (W) | 14 | 11 | 10 | 7 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 32 | 33 | 32 | 32 | 30 | 30 | 30 |



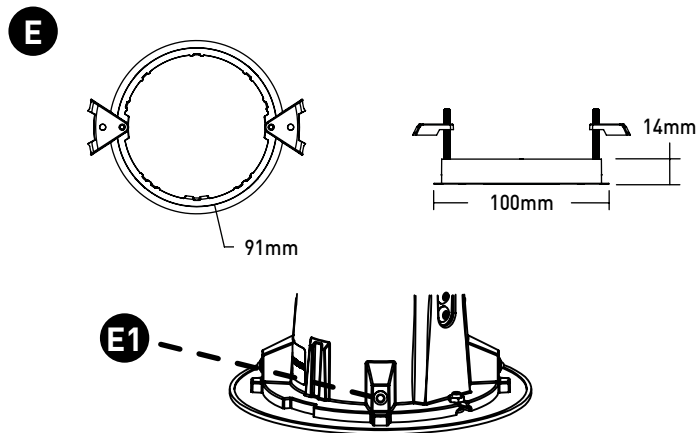
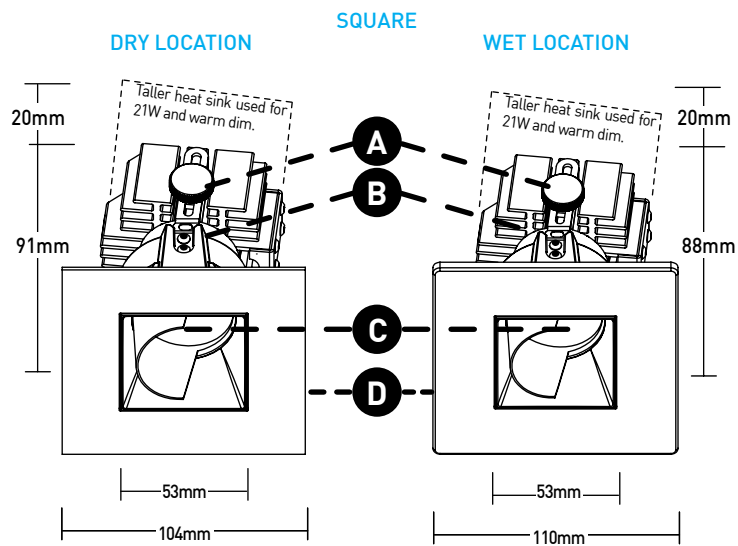
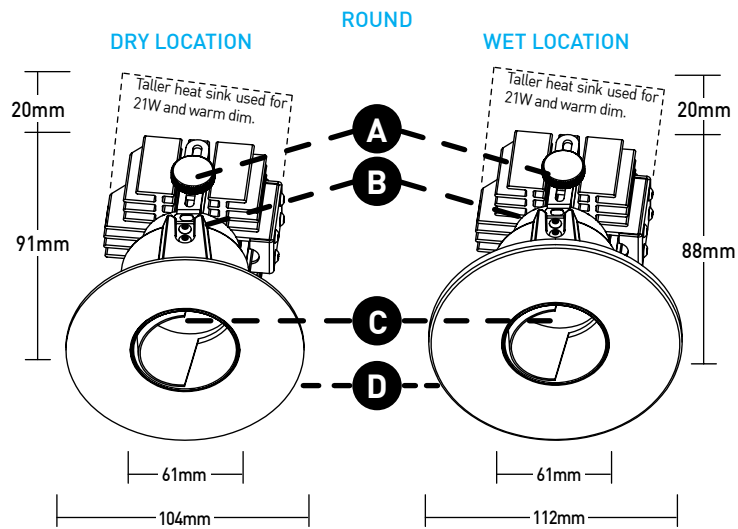
2 SERIES LED INT WALL GRAZER

DOWNLIGHT FITTING

Die-cast baffle and precision kick reflector provide dynamic wall grazing and minimal aperture glare.

- A ADJUSTABLE YOKE**
Adjustable yoke allows for quick access to optic and media.
- B OPTICS**
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering a 40° wallgrazing beam.
- C MEDIA**
Wall grazer lens included and sealed in place on wet location fixtures
- D TRIM PLATE**
 - Dry / Damp Location: Thickness measures 0.065".
 - Wet Location: Sealed aperture and integral silicone gasket. 0.17" (4.3mm) return, installed as flange overlay only.
- E DOWNLIGHT TRIM ADAPTER**
Included with fixture and required for installation. Provides required alignment with trim, ensuring fixture aim integrity is maintained Uses (2) #6-32 flat-head screws with varying lengths to accommodate ceiling depth. Installed after ceiling is complete.
- E1 RETENTION**
Integral ball plungers correspond to trim adapter ensuring snug fit against finished ceiling.

DIMENSIONS / DRAWINGS



2 SERIES LED INT WALL GRAZER

POWER SUPPLY

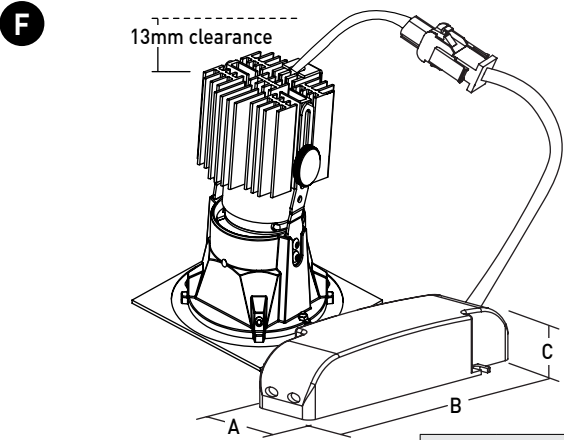
- F FITTING WITH TETHERED POWER SUPPLY**
- Requires 113mm diameter cutout.
 - Tethered power supply protected wiring and quick-connect plug between fitting and power supply.
 - Minimum 13mm clearance from top of fitting.
 - Minimum setback from combustible and non-combustible materials of 168mm radius from fitting centerline; minimum 76mm from surfaces of power supply if not situated within above noted radius from fitting centerline.
 - Minimum additional 76mm setback from insulation material with max R-Value 30 from any surface of fitting assembly.
 - Minimum additional 152mm setback from polycell spray foam insulation with max R-Value 60 from any surface of fitting assembly.
 - Consult factory for spacing requirements for any installations exceeding R-Value 60.
 - Do not install in environments where ambient temperatures exceed 40°C (104°F).

ZERO-SIGHTLINE INSTALLATIONS

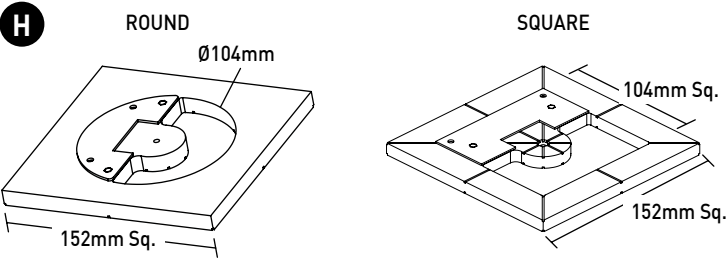
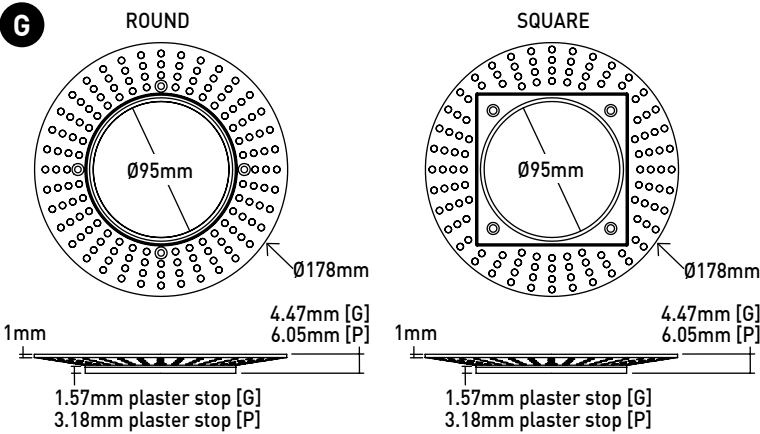
Fixture regresses flush with the finished ceiling plane when installed according to manufacturer instructions and finished ceiling conditions are met. Consult 2-Series Installation Guidelines for appropriate ceiling cutouts and instructions for proper Zero-Sightline installations.

- G APPLIQUÉ**
- Specified on Flange Configuration and ships with housing; ships separately on remodel installations.
 - For use in sheetrock ceiling applications.
 - 1.57mm Appliqué (G Flange Configuration) recommended for gypsum ceiling installations and has plaster stop thickness of 1.57mm. Recommended for painted ceiling applications.
 - 3.18mm Appliqué (P Flange Configuration) offers double thick plaster stop of 3.18mm where a heavier application of mud is preferred. Recommended for colorfast and venetian plaster applications. Not recommended for stucco applications.
- H ROUTER TOOL GUIDE**
- Specified separately and used with Flange Overlay configurations.
 - For use in wood ceiling applications.
 - **DLA-RTG-2S-RD** or **DLA-RTG-2S-SQ** required for wood Zero-Sightline ceiling installations.
 - Router tool guide is reusable and suitable for multiple fixtures, minimum one per installer required.

DIMENSIONS / DRAWINGS



| POWER SUPPLY DIMENSIONS | | | |
|-------------------------|------|-------|------|
| Model | A | B | C |
| AN3 | 41mm | 210mm | 34mm |
| LN1 | | | |
| EA1 | | | |
| LA1 | | | |
| ED1 | 76mm | 152mm | 31mm |
| LD1 | | | |



2 SERIES LED INT WALL GRAZER

TECHNICAL INFORMATION

CONSTRUCTION

Downlight Fitting: Steel and aluminum; extruded aluminum heat-sink; painted finishes are granulated powder coat. 304 corrosion resistant stainless steel faceplate for wet location fittings.

Downlight Fitting Adapter: High-impact composite and stainless steel.

Appliqué: Zinc alloy.

LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temperatures of 2400K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

TUNABLE WHITE LED

3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K and 1800K to 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

| Power Supply | 0-10V | | | | DALI-2 | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| | EA1 | LA1 | AN3 | LN1 | ED1 | LD1 | DD1 |
| Minimum °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Maximum °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C |
| Dimming % | 0.1% | 0.1% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% |

Note: For EA1 and LA1 drivers consult chart on page 8 to confirm appropriate dimming curve for compatibility with selected control.

SPACING

Recommended fitting spacing is 22" to 28" on center with 16" to 18" setback from wall plane.

LISTING

CE Listed for IP20 Dry / Damp and IP64 Wet locations. NOM Certified.

DECLARE

LBC Red List Approved.

PART L

Part L compliant for all 75+ LPW residential and 95+ LPW commercial configurations.

FIXTURE WEIGHT

Fitting - 1.4 lbs max

Driver - 0.4 lbs

LIMITED WARRANTY

Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult website for full warranty terms and conditions.

CHANGE LOG

- 01/12/2021: ADDED 2200K AND 2700K-1800K WARM DIM OFFERINGS.
- 08/12/2020: ADDED -3 (20mm-32mm) CEILING THICKNESS.
- 10/08/2019: NEW CONSOLIDATED SPEC SHEETS WITH SINGLE NOMENCLATURE FOR SPECIFICATION.
- 10/17/2022: REMOVED 90WA13H 3200K-1800K WARM DIM AND ADDED 90WA12H 3000K-1800K WARM DIM.
- 08/08/2023: UPDATED WITH NEW LED AND OPTIC SYSTEM.
- 02/07/2024: ADDED 2400K, LOW WATTAGE, AND TUNABLE WHITE OFFERINGS.
- 2/15/2024: PART L COMPLIANCE ADDED
- 2/14/2025: UPDATED FINISH OFFERINGS



Part L

Red List Approved

Declare.

2 SERIES LED INT WALL GRAZER

DIMMING COMPATIBILITY

eldoLED DRIVER COMPATIBILITY

| Power supply EA1 / LA1 Dimmer / Switch Control Manufacturer | Family/Model # |
|--|--------------------------------|
| Busch-Jaeger | 2112U-101 |
| Jung | 240-10 |
| Leviton Lighting Controls | IP710-DLX |
| Lightolier Controls | ZP600FAM120 |
| Lutron Electronics | Nova T® - NTFTV |
| Lutron Electronics | Diva® - DVTV |
| Lutron Electronics | Nova® - NFTV |
| Merten | 5729 |
| Pass & Seymour | CD4FB-W |
| The Watt Stopper | DCLV1 |
| Sensor Switch | nIO EZ |
| Synergy | ISD BC |
| Power supply EA1 / LA1 Lighting Control Systems | Family/Model # |
| Lutron Electronics | GrafixEye® GRX-TVI w GRX3503 |
| Lutron Electronics | Energy Savr Node™ - QSN-4T16-S |
| Lutron Electronics | TVM2 Module |
| Crestron® | GLX-DIMFLV8 |
| Crestron® | GLXP-DIMFLV8 |
| Crestron® | GLPAC-DIMFLV4-* |
| Crestron® | GLPAC-DIMFLV8-* |
| Crestron® | GLPP-DIMFLVEX-PM |
| Crestron® | GLPP-1DIMFLV2EX-PM |
| Crestron® | GLPP-1DIMFLV3EX-PM |
| Crestron® | DIN-A08 |
| Crestron® | DIN-4DIMFLV4 |
| Crestron® | CLS-EXP-DIMFLV |
| Crestron® | CLCI-1DIMFLV2EX |
| ABB | SD/S 2.16.1 |