New construction housing with IC housing option available
Trim fixture designed to conceal internal hardware
Trimless fixture features a proprietary aluminum mudding flange
Machined aluminum double gimbals. Adjustable and lockable
2.75" Regressed LED source for enhanced glare control
Dim to Warm and Tunable White LED options up to 2000lm (90+ CRI)
1% dimming standard with several integral driver options

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PROJECT:</th>
<th>TYPE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATALOG #:</td>
<td>DATE:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CAT. NO</th>
<th>LED SOURCE</th>
<th>LUMEN OUTPUT</th>
<th>CRI</th>
<th>BEAM ANGLE</th>
<th>VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3G-RC1</td>
<td>DW - DIM TO WARM (1800-3000K)</td>
<td>08 - 800 LUMENS</td>
<td>H90 - 90+ CRI</td>
<td>10D - 10°</td>
<td>UNV - 120/277V</td>
</tr>
<tr>
<td></td>
<td>TW - TUNABLE WHITE (2700K-6500K)</td>
<td>12 - 1200 LUMENS</td>
<td></td>
<td>20D - 20°</td>
<td>120 - 120V</td>
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<td></td>
<td></td>
<td>20 - 2000 LUMENS</td>
<td></td>
<td>40D - 40°</td>
<td>347 - 347V (0-10V ONLY)</td>
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</table>

<table>
<thead>
<tr>
<th>DRIVER</th>
<th>FLANGE TYPE</th>
<th>GIMBAL FINISH</th>
<th>HOUSING INTERIOR</th>
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<tbody>
<tr>
<td>DIM</td>
<td>WT - WHITE TRIM (STANDARD)</td>
<td>NG - NATURAL ALUMINUM</td>
<td>BK - BLACK (STANDARD)</td>
</tr>
<tr>
<td>LE</td>
<td>ST - SILVER TRIM</td>
<td>BG - BLACK</td>
<td>WH - WHITE</td>
</tr>
<tr>
<td>LTEA</td>
<td>BT - BLACK TRIM</td>
<td>WG - WHITE</td>
<td>CF - CUSTOM</td>
</tr>
<tr>
<td>D01</td>
<td>CT - CUSTOM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DALI</td>
<td>XTR - TRIMLESS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DHL2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DMX</td>
<td></td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>HOUSING TYPE</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC - NEW CONSTRUCTION (NON-IC)</td>
<td>CP - CHICAGO PLENUM</td>
</tr>
<tr>
<td>IC - IC HOUSING</td>
<td>BH - BAR HANGERS</td>
</tr>
<tr>
<td></td>
<td>SF70 - SOFTENING LENS</td>
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<tr>
<td></td>
<td>LS70 - LINEAR SPREAD</td>
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<tr>
<td></td>
<td>HXB70 - BLACK HEXCELL LOUVER</td>
</tr>
<tr>
<td></td>
<td>EMR - EMERGENCY BATTERY 5</td>
</tr>
</tbody>
</table>

1 Tunable White option available with D01, DALI and DMX drivers
2 10D reflector available with 800 lumen output only
3 Phase dimming options available in 120V only
4 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
5 Emergency battery installed remotely by others. Not accessible through the inside of the fixture

Maximum 3 optical accessories. See optical accessories page for more options
### Performance Chart
Based on 20° Beam and 3000K Source

<table>
<thead>
<tr>
<th>Dim to Warm Lumen Output</th>
<th>90+ CRI (3000K)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delivered Lumens</td>
</tr>
<tr>
<td>800LMs</td>
<td>N/A</td>
</tr>
<tr>
<td>1200LMs</td>
<td>1136</td>
</tr>
<tr>
<td>2000LMs</td>
<td>1593</td>
</tr>
</tbody>
</table>

### Photometry

#### 10D - 10° Beam Angle

**3G-RC1-DW-08-H90-10D**

- Lumen Output: 800LMs
- Delivered Lumens: 756LMs
- System Watts: 10.3W
- Efficacy: 74LPW
- CRI: 90+
- CCT: 3000K

#### 20D - 20° Beam Angle

**3G-RC1-DW-12-H90-20D**

- Lumen Output: 1200LMs
- Delivered Lumens: 1136LMs
- System Watts: 15.4W
- Efficacy: 74LPW
- CRI: 90+
- CCT: 3000K

#### 40D - 40° Beam Angle

**3G-RC1-DW-12-H90-40D**

- Lumen Output: 1200LMs
- Delivered Lumens: 1064LMs
- System Watts: 15.4W
- Efficacy: 69LPW
- CRI: 90+
- CCT: 3000K

#### 60D - 60° Beam Angle

**3G-RC1-DW-12-H90-60D**

- Lumen Output: 1200LMs
- Delivered Lumens: 1091LMs
- System Watts: 15.4W
- Efficacy: 71LPW
- CRI: 90+
- CCT: 3000K

#### 90D - 90° Beam Angle

**3G-RC1-DW-12-H90-90D**

- Lumen Output: 1200LMs
- Delivered Lumens: 1003LMs
- System Watts: 15.4W
- Efficacy: 65LPW
- CRI: 90+
- CCT: 3000K

---

3G reserves the right to change, without notice, specifications or materials for product improvement.


ETL Listed Warranty
PERFORMANCE CHART BASED ON 20° BEAM

<table>
<thead>
<tr>
<th>TUNABLE WHITE LUMEN OUTPUT</th>
<th>90+ CRI (2700K)</th>
<th>90+ CRI (3500K)</th>
<th>90+ CRI (6500K)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DELIVERED LUMENS</td>
<td>SYSTEM WATTS</td>
<td>EFFICACY (LPW)</td>
</tr>
<tr>
<td>800Lms</td>
<td>N/A</td>
<td>16.6</td>
<td>64</td>
</tr>
<tr>
<td>1200Lms</td>
<td>1066</td>
<td>16.6</td>
<td>64</td>
</tr>
<tr>
<td>2000Lms</td>
<td>1491</td>
<td>24.5</td>
<td>61</td>
</tr>
</tbody>
</table>

PHOTOMETRY

10D - 10° BEAM ANGLE

3G-RC1-TW-08-H90-10D
- LUMEN OUTPUT: 800Lms
- DELIVERED LUMENS: 789Lms
- SYSTEM WATTS: 12.6W
- EFFICACY: 63LPW
- CRI: 90+
- CCT: 3500K

60D - 60° BEAM ANGLE

3G-RC1-TW-12-H90-60D
- LUMEN OUTPUT: 1200Lms
- DELIVERED LUMENS: 1110Lms
- SYSTEM WATTS: 24.5W
- EFFICACY: 67LPW
- CRI: 90+
- CCT: 3500K

20D - 20° BEAM ANGLE

3G-RC1-TW-12-H90-20D
- LUMEN OUTPUT: 1200Lms
- DELIVERED LUMENS: 1091Lms
- SYSTEM WATTS: 24.5W
- EFFICACY: 66LPW
- CRI: 90+
- CCT: 3500K

90D - 90° BEAM ANGLE

3G-RC1-TW-12-H90-90D
- LUMEN OUTPUT: 1200Lms
- DELIVERED LUMENS: 1022Lms
- SYSTEM WATTS: 24.5W
- EFFICACY: 62LPW
- CRI: 90+
- CCT: 3500K

40D - 40° BEAM ANGLE

3G-RC1-TW-12-H90-40D
- LUMEN OUTPUT: 1200Lms
- DELIVERED LUMENS: 1027Lms
- SYSTEM WATTS: 24.5W
- EFFICACY: 62LPW
- CRI: 90+
- CCT: 3500K
TECHNICAL

HOUSING
New construction housing with IC housing option available
Housing fabricated in cold rolled steel. Standard black powder coated finish
Maximum ceiling thickness of 1”. Consult factory for modifications
All housing options designed to be easily converted in field to trim or trimless with minimal components
Housings are rated for #12 AWG, (4 in, 4 out), 90°C conductors and through branch wiring

TRIM
Features a 3/4” removable trim assembly designed to conceal inner hardware

TRIMLESS
Aluminum mudding flange features a unique reveal that emulates drywall
Integral aluminum blocking support provided to ensure fixture is properly secured within ceiling structure

ADJUSTABILITY
Solid aluminum double gimbal with dual axis adjustability
Each double gimbal can be locked in place

OPTICS
Regressed LED source for enhanced glare control
Proprietary anodized, aluminum reflectors are field replaceable (10° reflector not interchangeable)
Available in 10°, 20°, 40°, 60° and 90°

ELECTRICAL
Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor
Standard 120/277V universal voltage drivers. Optional 347V, 0-10V drivers
120V Forward Phase/Reverse Phase driver option with 100-1% dimming range
eldoLED 0-10V driver option available with 100-0.01% dimming range
eldoLED DALI and Lutron EcoSystem driver options available with 100-1% dimming range
DMX driver option available with 100-0% dimming range
All drivers are integral and easily accessible through fixture aperture

LED SYSTEM
Bridgelux LED module (field replaceable)
Color consistency <3 SDCM
Standard 90+ CRI
Dim to Warm (1800K-3000K)
Tunable White (2700K-6500K)
L70 >50,000 hours
5 Year Warranty

MOUNTING
Trim fixture designed for use in drywall, wood, acoustic ceiling tiles, and other architectural ceiling materials
Trimless fixture designed for use in drywall, mud-in ceiling applications
Butterfly brackets compatible with 1/2” x 1/2” channel, 1/2”, 5/8”, 3/4” bar hanger, 1/2” EMT, and furring strips (supplied by others)

LISTING
ETL listed and tested to cUL standards. Suitable for dry and damp locations

WARRANTY
5 Year Warranty on LED and drivers
Manufacturer 1 Year Warranty for defects in material and workmanship under normal use
Ambient temperature at fixture should not exceed 25°C
TRIM HOUSING OPTIONS

NC - New Construction (Non-IC)
IC - IC Housing
CP - Chicago Plenum Housing

TRIMLESS HOUSING OPTIONS

NC - New Construction (Non-IC)
IC - IC Housing
CP - Chicago Plenum Housing