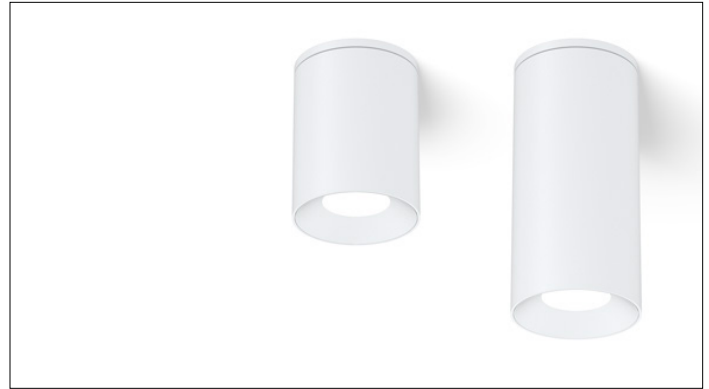


# 3G LIGHTING

## 3G-SDL45RF

4.5" DOWNLIGHT CYLINDER  
7" AND 11" HEIGHT

4.5" diameter, high performance cylinder with upgraded performance  
Standard 95+ CRI LED system with performance up to 118 LPW  
Delivered lumen range up to 2500lm at 95+ CRI and 3000lm at 80+ CRI  
Regressed LED source with enhanced glare control  
10° to 90° beam angle options suitable for various applications  
Twist and lock extruded aluminum construction with no visible hardware  
Companion to 3G's DL45R series downlight family



<b>PROJECT:</b>		<b>TYPE:</b>	
<b>CATALOG#:</b>		<b>DATE:</b>	<b>QTY:</b>

CAT. NO	FIXTURE HEIGHT	LUMEN OUTPUT	CRI	COLOR TEMP	BEAM ANGLE
<b>3G-SDL45RF</b>	<b>7H</b> - 7" HEIGHT *	<b>10</b> - 1000 LUMENS <b>15</b> - 1500 LUMENS <b>20</b> - 2000 LUMENS <b>25</b> - 2500 LUMENS <b>30</b> - 3000 LUMENS *	<b>H95</b> - 95+ CRI (STANDARD) <b>S80</b> - 80+ CRI *	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>10D</b> - 10° <sup>1</sup> <b>20D</b> - 20° <b>40D</b> - 40° <b>60D</b> - 60° <b>90D</b> - 90° *
	<b>11H</b> - 11" HEIGHT	All lumen outputs are delivered lumens *3000lm only available with 80CRI	*80CRI only available with 3000lm		*90D reflector supplied standard with lens

VOLTAGE	DRIVER	HOUSING FINISH	INSERT FINISH
<b>UNV</b> - 120/277V <b>120</b> - 120V <b>347</b> - 347V <sup>2</sup>	<b>DIM</b> - 0-10V (100-1%) <b>LE</b> - PHASE DIM <sup>3</sup> (TRIAC/ELV, 100-1%) <b>D01</b> - 0-10V (100-0.1%) <b>DALI</b> - DALI (100-1%) <sup>4</sup> <b>DMX</b> - DMX (100-0%) <b>DHL2</b> - LUTRON HI-LUME LDE1 (1% ECOSYSTEM)	<b>WH</b> - WHITE <b>BK</b> - BLACK <b>SV</b> - SILVER <b>CF</b> - CUSTOM RAL COLOR	<b>WI</b> - WHITE <b>BI</b> - BLACK <b>SI</b> - SILVER <b>CI</b> - CUSTOM RAL COLOR

OPTIONS
<b>SF</b> - SOFTENING LENS (SUPPLIED STANDARD) <b>SB</b> - SANDBLASTED LENS <b>LS</b> - LINEAR SPREAD LENS <b>CFW</b> - WHITE CONDUIT CANOPY <b>CFB</b> - BLACK CONDUIT CANOPY <b>CFS</b> - SILVER CONDUIT CANOPY <b>EMR</b> - REMOTE EMERGENCY BATTERY <sup>5</sup>
<small>*Softening lens not provided with 90D optic Maximum 1 optical accessory</small>

**\*\*** 3G has upgraded our LED system and overall performance at no additional cost. We now offer 95+CRI as standard. All lumen outputs are delivered lumens. This upgraded LED system is more efficient than our previous 80CRI, 90CRI, and 97CRI options. Please see the last page of this spec sheet to cross-reference old lumen outputs with our new, 95+CRI lumen output options

<sup>1</sup> 10D reflector available up to 2000lm  
<sup>2</sup> 347 available in "DIM" 0-10V only (100-1%). Not available with 7H model  
<sup>3</sup> Phase dimming options available in 120V only  
<sup>4</sup> DALI-2 (Type 6) provided as standard. Consult factory for DALI Type 8 option  
<sup>5</sup> Supplied with enclosure with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture

**PERFORMANCE**

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.5	118
1500	1500	13.1	115
2000	2000	17.8	113
2500	2500	22.7	110
3000	3000*	27.1	111

BASED ON 95+ CRI, 3500K, 20D OPTIC WITH SOFTENING LENS  
 \*80+ CRI ONLY AVAILABLE WITH 3000LM  
 Lumen output and actual wattage may vary +/- 5%

**MULTIPLIERS**

BEAM ANGLE	
10D	0.97
20D	1.00
40D	0.94
60D	0.95
90D	0.90

COLOR TEMP	
2700K	0.98
3000K	1.00
3500K	1.00
4000K	1.02

**HOUSING**

Extruded aluminum housing with powder coated finish  
 Twist and lock construction with no visible hardware

**BEVELED INSERT**

Cast aluminum beveled insert with matte powder coated finish  
 4.5" aperture with regressed LED source for enhanced glare control

**OPTICS**

Proprietary anodized, aluminum reflectors  
 Beam angle available in 10°, 20°, 40°, 60° and 90°  
 Reflectors are field replaceable (10° reflector not interchangeable)  
 Softening lens supplied standard

**ELECTRICAL**

Standard 0-10V, constant current drivers  
 100-1% dimming range and >0.9 power factor  
 Standard 120/277V universal voltage with several driver options  
 120V Forward Phase/Reverse Phase driver option (100-1%)  
 Integral drivers are easily accessible through luminaire aperture

**LED SYSTEM**

Standard 95+ CRI  
 Color consistency <2 SDCM  
 Available in 27K, 30K, 35K, and 40K  
 L90 > 50,000 hours

**MOUNTING**

All hardware included for mounting to 4" octagonal junction box  
 Canopy provided in white finish as standard  
 Conduit feed cut-out canopy option designed to mount to 4" octagonal junction box  
 Twist and lock mechanism with no visible hardware

**EMERGENCY**

7W output for 90 minutes (+/- 825lm at 95+ CRI). Title 24 Certified  
 Remote emergency battery (not accessible through fixture aperture)  
 Maximum remote mounting distance: 50ft (12AWG) or 25ft (14AWG)  
 Caution: Emergency Battery utilizes more than one power source and servicing should be performed by qualified personnel

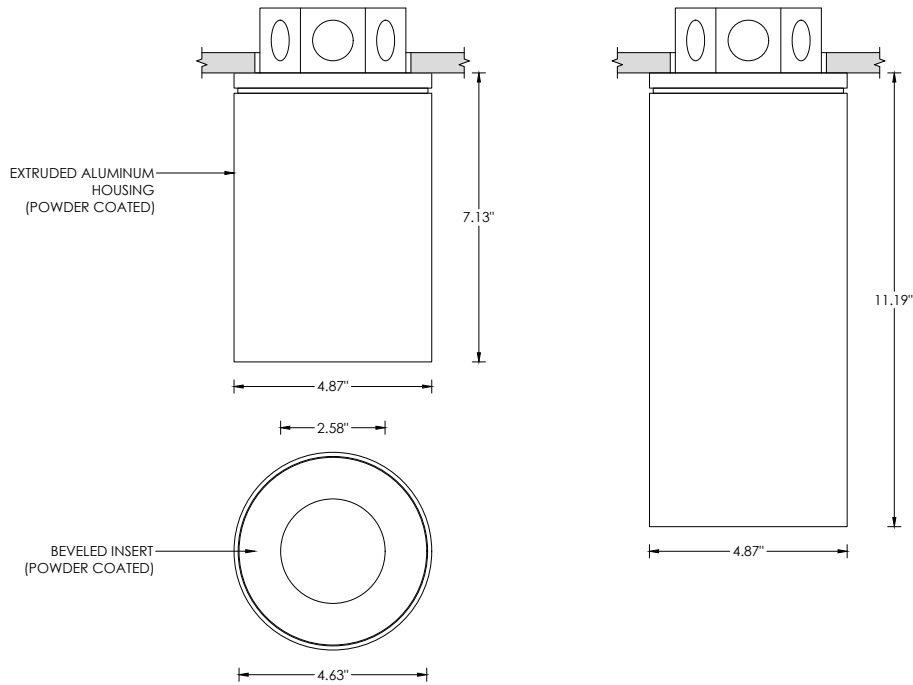
**LISTING**

ETL listed and conforms to UL1598 standard  
 Certified to CSA22.2 NO.250.0.  
 Rated for dry or damp locations

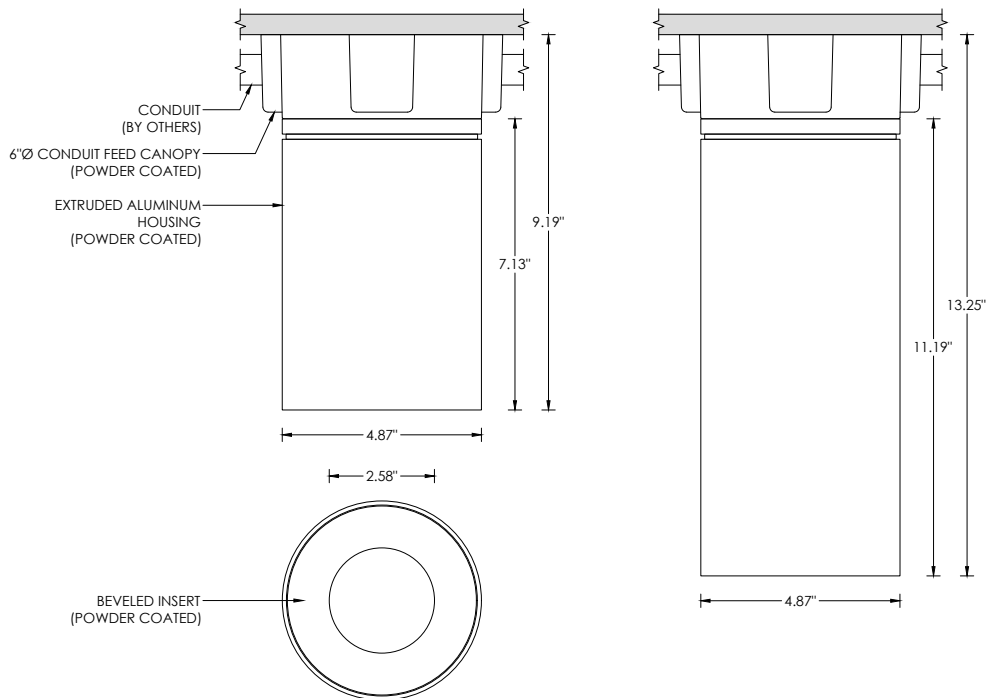
**WARRANTY**

5 year limited warranty  
 LED system rated for operation in ambient environments up to 25°C

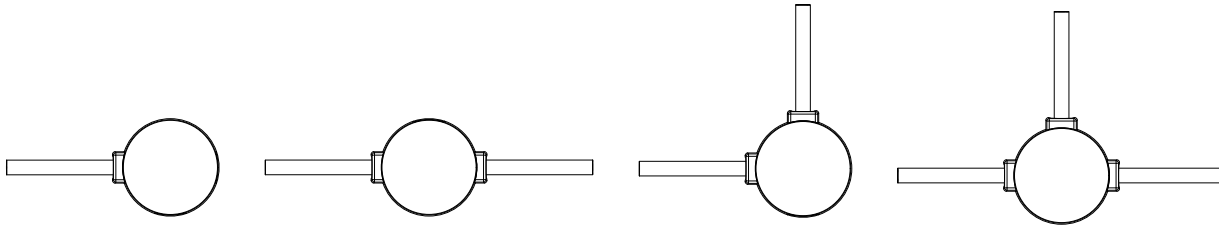
**RECESSED 4" OCTAGONAL JUNCTION BOX BY OTHERS**  
STANDARD CANOPY MOUNT



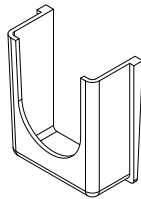
**SURFACE 4" OCTAGONAL X 1.5" DEEP JUNCTION BOX BY OTHERS**  
CONDUIT FEED CANOPY MOUNT (CFX OPTION)



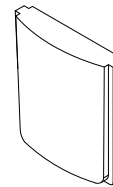
**CONDUIT FEED CANOPY MOUNTING OPTIONS**



CONDUIT COVER  
3 PROVIDED WITH EACH  
CONDUIT FEED CANOPY



BLANK  
2 PROVIDED WITH EACH  
CONDUIT FEED CANOPY



**LUMEN OUTPUT REFERENCE CHART**

3G has upgraded our LED system and overall performance at no additional cost. We now offer 95+CRI as standard. All lumen outputs are delivered lumens. This new LED system is more efficient than our previous 80CRI, 90CRI, and 97CRI options. Please use these charts to cross-reference old lumen outputs with our new, 95+CRI lumen output options

**80CRI REFERENCE CHARTS**

MATCH THE GRADIENT SHADE FROM THE OLD LUMEN OUTPUT CHART TO THE NEW LUMEN OUTPUT OPTION

OLD 80CRI SPECS			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1080	10.3	105
1500	1454	14	104
2200	2156	22	98
3000	2634	31	85

NEW 95+CRI SPECS			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.5	118
1500	1500	13.1	115
2000	2000	17.8	113
2500	2500	22.7	110
3000	3000*	27.1	111

\*80+ CRI only

**90CRI REFERENCE CHARTS**

MATCH THE GRADIENT SHADE FROM THE OLD LUMEN OUTPUT CHART TO THE NEW LUMEN OUTPUT OPTION

OLD 90CRI SPECS			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	950	10.3	92
1500	1279	14	91
2200	1898	22	86
3000	2318	31	75

NEW 95+CRI SPECS			
LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.5	118
1500	1500	13.1	115
2000	2000	17.8	113
2500	2500	22.7	110
3000	3000*	27.1	111

\*80+ CRI only