

# 3G LIGHTING

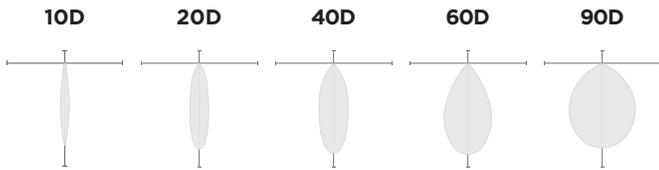
## 3G-PDL45RF

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 3000lm at 95+ CRI  
Regressed LED source with enhanced glare control  
10° to 90° beam angle options suitable for various applications  
Extruded aluminum construction with no visible hardware  
Companion to 3G's DL45R series downlight family



### OPTICS



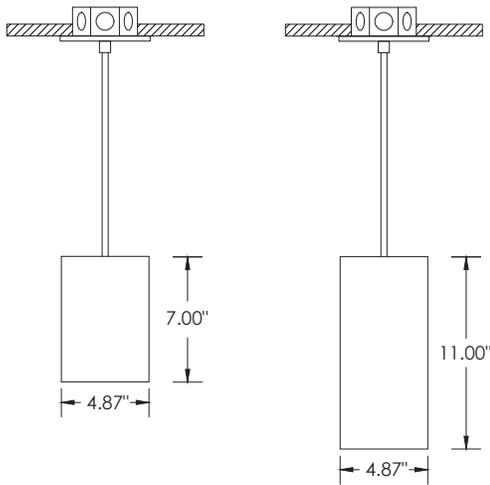
### PERFORMANCE

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

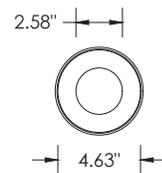
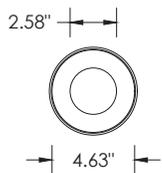
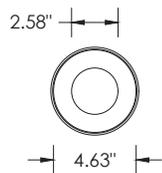
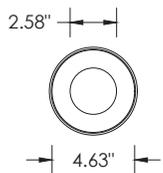
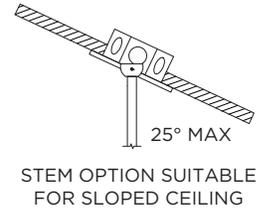
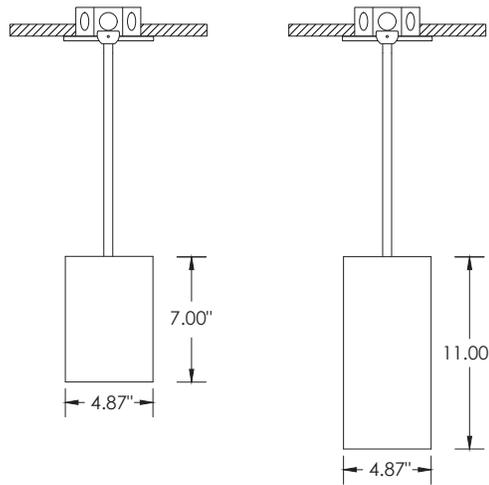
BASED ON 95+ CRI, 3500K, 20D OPTIC WITH SOFTENING LENS  
Lumen output and actual wattage may vary +/- 5%

### DIMENSIONS

#### CABLE SUSPENSION



#### STEM SUSPENSION



<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-PDL45RF</b>	<b>7H - 7" HEIGHT *</b> <b>11H - 11" HEIGHT</b>	<b>10 - 1000 LUMENS</b> <b>15 - 1500 LUMENS</b> <b>20 - 2000 LUMENS</b> <b>25 - 2500 LUMENS</b> <b>30 - 3000 LUMENS</b>	<b>H95 - 95+ CRI</b>	<b>27K - 2700K</b> <b>30K - 3000K</b> <b>35K - 3500K</b> <b>40K - 4000K</b>	<b>10D - 10° <sup>1</sup></b> <b>20D - 20°</b> <b>40D - 40°</b> <b>60D - 60°</b> <b>90D - 90° *</b>
	*7H available up to 2000lm with integral driver and 2500lm with Power Canopy 11H available up to 2500lm with integral driver and 3000lm with Power Canopy	All lumen outputs are delivered lumens at 95+ CRI			*90D optic supplied with lens Not available with other lens options

VOLTAGE	DRIVER	HOUSING FINISH	INSERT FINISH	CANOPY
<b>UNV - 120/277V</b> <b>120 - 120V</b> <b>347 - 347V <sup>2</sup></b>	<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%) <sup>5</sup> <b>DALI</b> - DALI (100-1%) <sup>4,5</sup> <b>DMX</b> - DMX (100-0%) <sup>5</sup> <b>DHL2</b> - LUTRON HI-LUME LDE1 <sup>5</sup> (1% ECOSYSTEM)	<b>WH</b> - WHITE <b>BK</b> - BLACK <b>SV</b> - SILVER <b>CF</b> - CUSTOM COLOR	<b>WI</b> - WHITE <b>BI</b> - BLACK <b>SI</b> - SILVER <b>CI</b> - CUSTOM COLOR	<b>CN</b> - CANOPY (STANDARD) <b>PC</b> - POWER CANOPY * <b>CF</b> - CONDUIT CANOPY
				Power Canopy suitable for 7" Cylinder with 2500lm and 11" Cylinder with 3000lm

CANOPY FINISH	SUSPENSION TYPE	SUSPENSION LENGTH	OPTIONS
<b>WCF</b> - WHITE (STANDARD) <b>BCF</b> - BLACK <b>SCF</b> - SILVER	<b>WC</b> - WHITE CABLE <b>BC</b> - BLACK CABLE <b>RSW</b> - WHITE RIGID STEM <b>RSB</b> - BLACK RIGID STEM <b>RSS</b> - SILVER RIGID STEM <b>RSC</b> - CUSTOM RAL STEM	<b>C60</b> - 60" CABLE <b>C120</b> - 120" CABLE <b>S48</b> - 48" STEM <b>S96</b> - 96" STEM	<b>SF</b> - SOFTENING LENS * (SUPPLIED STANDARD) <b>LS</b> - LINEAR SPREAD LENS <b>SB</b> - SANDBLASTED LENS <b>EMR</b> - REMOTE EMERGENCY <sup>6</sup> BATTERY
		All suspension options are field cuttable	*Softening lens not provided with 90D optic Maximum 1 optical accessory

- <sup>1</sup> 10D reflector available up to 2000lm
- <sup>2</sup> 347 available in "DIM" 0-10V only (100-1%). Not available with 7" 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> DMX and DHL2 not available with 7H model or "PC" Power Canopy option. D01, DALI, DMX, and DHL2 not available with 3000lm option
- <sup>6</sup> Supplied with enclosure with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture

**PERFORMANCE**

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BASED ON 95+ CRI, 3500K, 20D OPTIC WITH SOFTENING LENS  
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**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**

1/2" diameter rigid stem option with sloped ceiling adapter (field cuttable)  
Standard, 18-gauge, 5 conductor single circuit braided power feed cable (black and white finish)  
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

**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

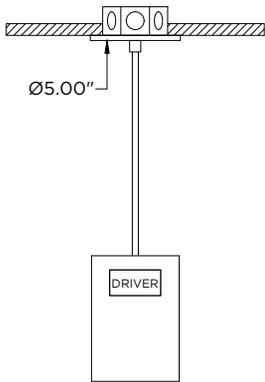
**LISTING**

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

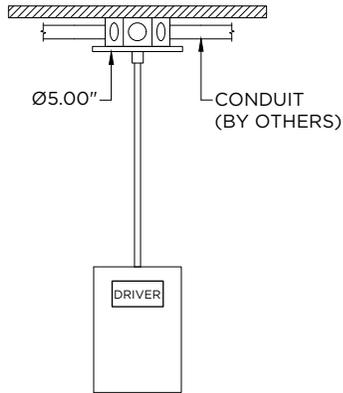
**WARRANTY**

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

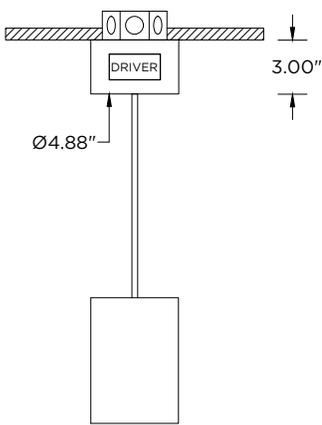
**CN - STANDARD CANOPY**  
RECESSED J-BOX (BY OTHERS)



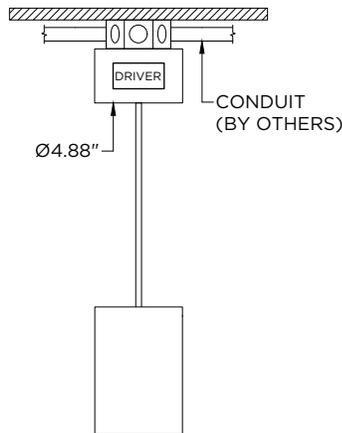
**CN - STANDARD CANOPY**  
SURFACE MOUNT J-BOX (BY OTHERS)



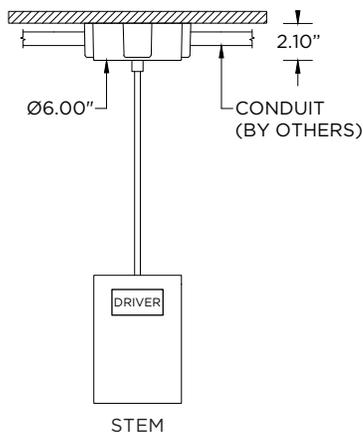
**PC - POWER CANOPY**  
RECESSED J-BOX (BY OTHERS)



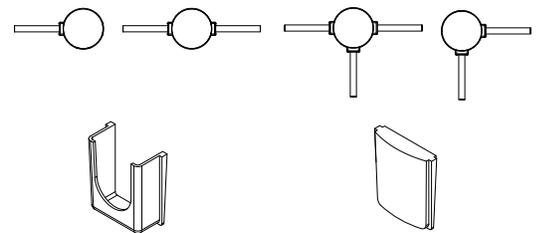
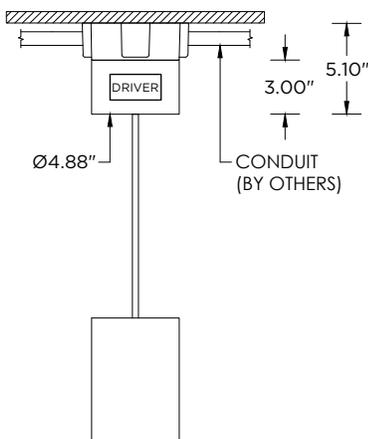
**PC - POWER CANOPY**  
SURFACE MOUNT J-BOX (BY OTHERS)



**CF - CONDUIT FEED CANOPY**  
SURFACE MOUNT J-BOX (BY OTHERS)



**CF - CONDUIT FEED CANOPY & PC - POWER CANOPY**  
SURFACE MOUNT J-BOX (BY OTHERS)



CONDUIT COVER  
3 PROVIDED WITH EACH  
CONDUIT FEED CANOPY

BLANK  
2 PROVIDED WITH EACH  
CONDUIT FEED CANOPY