**3G-PCL45R**

4.5" DIA DIAMETER CYLINDER PENDANT MOUNTED DYNAMIC WHITE

- 4.5" diameter high performance cylinder
- Companion to 3G-DL45R series downlight family
- Extruded aluminum housing with powder coated finish
- Twist and lock construction and no visible hardware
- 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>
</tr>
</tbody>
</table>

### ORDERING INFORMATION

<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-PCL45R</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>
</tr>
<tr>
<td></td>
<td></td>
<td>20 - 2000 LUMENS</td>
<td></td>
<td></td>
<td>347 - 347V</td>
</tr>
</tbody>
</table>

**LED SOURCE**

- DW - Dim to Warm
- TW - Tunable White

**LUMEN OUTPUT**

- 08 - 800 LUMENS
- 12 - 1200 LUMENS
- 20 - 2000 LUMENS

**CRI**

- H90 - 90+ CRI

**BEAM ANGLE**

- 10D - 10°
- 20D - 20°
- 40D - 40°
- 60D - 60°
- 90D - 90° *

**VOLTAGE**

- UNV - 120/277V
- 120 - 120V
- 347 - 347V (0-10V ONLY)

### DRIVERS

- **DIM** - 0-10V (STANDARD 100-1%)
- **LE** - PHASE DIMMING ³ (TRIAC/ELV, 100-1%)
- **LTEA** - LUTRON HI-LUME LTEA ³ (FWD PHASE, 100-1%)
- **DO1** - 0-10V (100-0.1%)¹
- **DALI** - DALI (100-1%)¹
- **DHL2** - LUTRON HI LUME LDE1 (1% ECOSYSTEM)
- **DMX** - DMX (100-0%)¹

### CYLINDER & INSERT FINISH

<table>
<thead>
<tr>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH - WHITE (STANDARD)</td>
</tr>
<tr>
<td>BK - BLACK</td>
</tr>
<tr>
<td>SV - SILVER</td>
</tr>
<tr>
<td>CF - CUSTOM RAL COLOR</td>
</tr>
</tbody>
</table>

### CANOPY FINISH

<table>
<thead>
<tr>
<th>Options</th>
</tr>
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<tbody>
<tr>
<td>WCN - WHITE (STANDARD)</td>
</tr>
<tr>
<td>BCN - BLACK</td>
</tr>
<tr>
<td>SCN - SILVER</td>
</tr>
</tbody>
</table>

### SUSPENSION TYPE

- **WC** - WHITE CABLE
- **BC** - BLACK CABLE
- **CC** - CLEAR CABLE
- **RSW** - WHITE RIGID STEM
- **RSB** - BLACK RIGID STEM
- **RSS** - SILVER RIGID STEM
- **RSC** - CUSTOM RAL STEM

### SUSPENSION LENGTH

- C60 - 60" CABLE
- C120 - 120" CABLE
- S24 - 24" STEM
- S48 - 48" STEM
- S96 - 96" STEM

**OPTIONS**

- HX870 - BLACK HEXCELL LOUVER
- LS70 - LINEAR SPREAD
- SB70 - SANDBLASTED LENS
- SF70 - SOFTENING LENS

All suspension options are field cuttable

1 Tunable White option available with DO1, DALI and DMX drivers
2 10D reflector available with 800 lumen output only
3 Forward Phase, Forward Phase/Reverse Phase drivers available in 120V only

Maximum 1 optical accessory
3G-PCL45R

4.5" DIAMETER CYLINDER PENDANT MOUNTED DYNAMIC WHITE

PHOTOMETRY

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>1200</td>
</tr>
<tr>
<td>2000LMs</td>
<td>1689</td>
</tr>
</tbody>
</table>

3G-PCL45R-DW-08-H90-D-10D

10D - 10° BEAM ANGLE

TOTAL LUMEN OUTPUT: 800LMs
NUMBER OF LIGHTS: 887LMs
TOTAL WATTS: 10.3W
TOTAL EFFICACY: 86LPW
CRI: 90+
CCT: 3000K

3G-PCL45R-DW-12-H90-60D

60D - 60° BEAM ANGLE

TOTAL LUMEN OUTPUT: 1200LMs
NUMBER OF LIGHTS: 1234LMs
TOTAL WATTS: 10.5.4W
TOTAL EFFICACY: 80LPW
CRI: 90+
CCT: 3000K

3G-PCL45R-DW-12-H90-20D

20D - 20° BEAM ANGLE

TOTAL LUMEN OUTPUT: 1200LMs
NUMBER OF LIGHTS: 1200LMs
TOTAL WATTS: 15.4W
TOTAL EFFICACY: 78LPW
CRI: 90+
CCT: 3000K

3G-PCL45R-DW-12-H90-90D

90D - 90° BEAM ANGLE

TOTAL LUMEN OUTPUT: 1200LMs
NUMBER OF LIGHTS: 1064LMs
TOTAL WATTS: 15.4W
TOTAL EFFICACY: 69LPW
CRI: 90+
CCT: 3000K

3G-PCL45R-DW-12-H90-40D

40D - 40° BEAM ANGLE

TOTAL LUMEN OUTPUT: 1200LMs
NUMBER OF LIGHTS: 1196LMs
TOTAL WATTS: 15.4W
TOTAL EFFICACY: 78LPW
CRI: 90+
CCT: 3000K
**3G-PCL45R**
4.5” DIAMETER CYLINDER PENDANT MOUNTED DYNAMIC WHITE

**PERFORMANCE CHART** BASED ON 20° BEAM ANGLE

<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>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1200Lms</td>
<td>1143</td>
<td>16.6</td>
<td>69</td>
</tr>
<tr>
<td>2000Lms</td>
<td>1622</td>
<td>24.5</td>
<td>66</td>
</tr>
</tbody>
</table>

**PHOTOMETRY**

**10D - 10° BEAM ANGLE**

3G-PCL45R-TW-08-H90-10D

TOTAL LUMEN OUTPUT: 800Lms
NUMBER OF LIGHTS: 918Lms
TOTAL WATTS: 12.6W
TOTAL EFFICACY: 73LPW
CRI: 90+
CCT: 3500K

**60D - 60° BEAM ANGLE**

3G-PCL45R-TW-12-H90-60D

TOTAL LUMEN OUTPUT: 1200Lms
NUMBER OF LIGHTS: 1202Lms
TOTAL WATTS: 16.6W
TOTAL EFFICACY: 72LPW
CRI: 90+
CCT: 3500K

**20D - 20° BEAM ANGLE**

3G-PCL45R-TW-12-H90-20D

TOTAL LUMEN OUTPUT: 1200Lms
NUMBER OF LIGHTS: 1180Lms
TOTAL WATTS: 16.6W
TOTAL EFFICACY: 71LPW
CRI: 90+
CCT: 3500K

**90D - 90° BEAM ANGLE**

3G-PCL45R-TW-12-H90-90D

TOTAL LUMEN OUTPUT: 1200Lms
NUMBER OF LIGHTS: 1046Lms
TOTAL WATTS: 16.6W
TOTAL EFFICACY: 63LPW
CRI: 90+
CCT: 3500K

**40D - 40° BEAM ANGLE**

3G-PCL45R-TW-12-H90-40D

TOTAL LUMEN OUTPUT: 1200Lms
NUMBER OF LIGHTS: 1152Lms
TOTAL WATTS: 16.6W
TOTAL EFFICACY: 69LPW
CRI: 90+
CCT: 3500K
3G-PCL45R
4.5” DIAMETER CYLINDER PENDANT MOUNTED DYNAMIC WHITE

TECHNICAL

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

BEVELED INSERT
4.5” aperture with regressed LED source for enhanced glare control
Twist and lock construction with no visible hardware

OPTICS
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
Citizen LED module (field replaceable)
Color consistency <2 SDCM
Standard 90+ CRI
Dim to Warm (1800K-3000K)
Tunable White (2700K-6500K)
L70 >50,000 hours
5 Year Warranty

MOUNTING
1/2” diameter rigid stem option with sloped ceiling adapter (field cuttable)
Adjustable aircraft cable option with power cable
All hardware included for mounting to 4” octagonal junction box
Canopy provided in white finish as standard

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
3G-PCL45R

4.5" DIAMETER CYLINDER PENDANT MOUNTED DYNAMIC WHITE

DRAWINGS AND DIMENSIONS

CABLE SUSPENSION

RECESSED J-BOX
(4" OCTAGONAL BY OTHERS)

STEM SUSPENSION

SUITABLE FOR
SLOPED CEILING

CANOPY PROVIDED IN
WHITE FINISHED AS STANDARD

POWER CABLE

AIRCRAFT CABLE
SUSPENSION

EXTRUDED
ALUMINUM HOUSING
(POWDER COATED)

BEVELED INSERT
(POWDER COATED)

CABLE LENGTH
(FIELD CUTTABLE)

5"Ø

4.87"
11.25"

CANOPY PROVIDED IN
WHITE FINISHED AS STANDARD

STEM LENGTH
(FIELD CUTTABLE)

5"Ø STEM

1 1/2" Ø STEM

11.25"

4.87"

BEVELED INSERT
(POWDER COATED)

EXTRUDED
ALUMINUM HOUSING
(POWDER COATED)

BEVELED INSERT
(POWDER COATED)

SURFACE MOUNTED J-BOX
(4" OCTAGONAL BY OTHERS)

STEM SUSPENSION

SUITABLE FOR
SLOPED CEILING

CANOPY PROVIDED IN
WHITE FINISHED AS STANDARD

POWER CABLE

AIRCRAFT CABLE
SUSPENSION

EXTRUDED
ALUMINUM HOUSING
(POWDER COATED)

BEVELED INSERT
(POWDER COATED)

CABLE LENGTH
(FIELD CUTTABLE)

5"Ø

4.87"
11.25"

CANOPY PROVIDED IN
WHITE FINISHED AS STANDARD

STEM LENGTH
(FIELD CUTTABLE)

5"Ø STEM

1 1/2" Ø STEM

11.25"

4.87"

BEVELED INSERT
(POWDER COATED)

EXTRUDED
ALUMINUM HOUSING
(POWDER COATED)

BEVELED INSERT
(POWDER COATED)