# STANPRO

*Series Spec Sheet*

# GIMBAL
## LED GIMBAL DOWNLIGHT
### Small aperture directional 3" and 4" downlight

The LED Gimbal Downlight combines a sleek and versatile design with easy installation. The interchangeable trims, offered in a variety of shapes, sizes and finishes, make this recessed fixture the perfect solution for both new construction and retrofit applications. It is possible to create up to 42 different module-trim combinations!

## FEATURES AND SPECIFICATIONS

- **Construction**

  Finishing
  - Trim finish White, Brushed nickel and Black
  - Module finish White and Brushed nickel
  - Round and Square trim options
  - Trim size 3" and 4" diameter

  Mounting
  - Twist and lock trim and module installation
  - Torsion spring mounting clips
  - Cutting hole Ø 2 ¾" - 4 ¼" (70 – 108 mm)

  Technical specifications
  - Phase dimming (TRIAC/ELV)
  - 3 000 - 2 200, 3 000 and 4 000 K
  - Ambient temperature: -20° to 45°
  - 24° tilt and 360° module rotation to light any direction
  - FT4 cable rating

- **Compliances**
  - cETLus conforms to UL STD 1598 and certified to CSA STD C22.2 No 250
  - IC rated for direct contact with insulation
  - Air tight per ASTM E283-04

## OVERVIEW

| Light source | LED |
|---|---|
| Watts (W) | 7 |
| Lumen output (lm) | 470 - 620 |
| Efficiency (lm/W) | 67 - 89 |
| Color temperature (K) | 3 000 - 2 200, 3 000, 4 000 |
| CRI | 80, 90 |

**5** *yrs* **warranty**

airtight    dimmable *fixture*    damp *location*

**IC** *rated*

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ENERGY STAR

## QUICK SHIP AND TECHNICAL SPECIFICATION TABLE ⏱[1]

| Order code | Part number | Watts (W) | Volts (VAC) | Color temp. (K)[2] | Lumen output (lm)[3] | Efficiency (lm/W) | CRI | Life L70 (hrs)[4] | Tested hours LM-80 (hrs)[4] | Beam angle (°) | Cable rating | Finish | Power factor | THD (%) | Traditional equivalent (W) | Case qty (master) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Warm Dim Modules** | | | | | | | | | | | | | | | | |
| 65981 | LED/DL/GIMBAL/MOD/7W/30-22K/WH/STD | 7 | 120 | 3 000-2 200 | 470 | 67 | 90 | 30 000 | 7 000 | 40 | FT4 | White | >0.9 | <40 | 50 | 18 |
| 65982 | LED/DL/GIMBAL/MOD/7W/30-22K/BN/STD | 7 | 120 | 3 000-2 200 | 470 | 67 | 90 | 30 000 | 7 000 | 40 | FT4 | Brushed Nickel | >0.9 | <40 | 50 | 18 |
| **Modules** | | | | | | | | | | | | | | | | |
| 65420 | LED/DL/GIMBAL/MOD/7W/30K/WH/STD | 7 | 120 | 3 000 | 600 | 86 | 80 | 36 000 | 7 000 | 40 | FT4 | White | >0.9 | <40 | 50 | 18 |
| 65422 | LED/DL/GIMBAL/MOD/7W/30K/BN/STD | 7 | 120 | 3 000 | 600 | 86 | 80 | 36 000 | 7 000 | 40 | FT4 | Brushed Nickel | >0.9 | <40 | 50 | 18 |
| 65421 | LED/DL/GIMBAL/MOD/7W/40K/WH/STD | 7 | 120 | 4 000 | 620 | 89 | 80 | 36 000 | 7 000 | 40 | FT4 | White | >0.9 | <40 | 50 | 18 |
| 65423 | LED/DL/GIMBAL/MOD/7W/40K/BN/STD | 7 | 120 | 4 000 | 620 | 89 | 80 | 36 000 | 7 000 | 40 | FT4 | Brushed Nickel | >0.9 | <40 | 50 | 18 |

[1] **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.
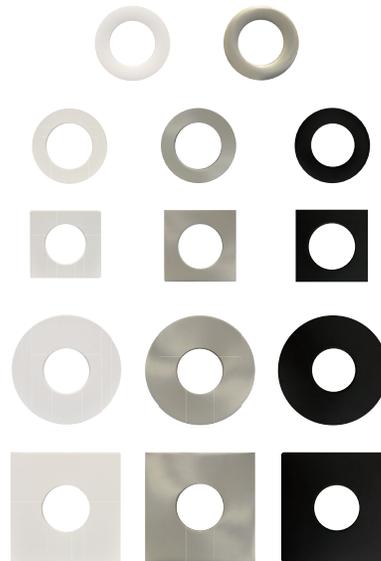[2] Typical color temperature range: +/- 5 %.
[3] Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.
[4] Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

## QUICK SHIP AND TECHNICAL SPECIFICATION TABLE TRIMS ⏱[1]

| Order code | Part number | Finish | Type | Case qty (master) |
|---|---|---|---|---|
| **3" Round** | | | | |
| 65432 | LED/DL/GIMBAL/3IN/TRIM/RND/FLAT/WH/STD | White | Flat | 96 |
| 65433 | LED/DL/GIMBAL/3IN/TRIM/RND/FLAT/BN/STD | Brushed nickel | Flat | 96 |
| 66230 | LED/DL/GIMBAL/3IN/TRIM/RND/FLAT/BK/STD | Black | Flat | 96 |
| 65450 | LED/DL/GIMBAL/3IN/TRIM/RND/CURVED/WH/STD | White | Curved | 96 |
| 65451 | LED/DL/GIMBAL/3IN/TRIM/RND/CURVED/BN/STD | Brushed Nickel | Curved | 96 |
| **3" Square** | | | | |
| 65434 | LED/DL/GIMBAL/3IN/TRIM/SQR/FLAT/WH/STD | White | Flat | 96 |
| 65435 | LED/DL/GIMBAL/3IN/TRIM/SQR/FLAT/BN/STD | Brushed Nickel | Flat | 96 |
| 66231 | LED/DL/GIMBAL/3IN/TRIM/SQR/FLAT/BK/STD | Black | Flat | 96 |
| **4" Round** | | | | |
| 65436 | LED/DL/GIMBAL/4IN/TRIM/RND/FLAT/WH/STD | White | Flat | 96 |
| 65437 | LED/DL/GIMBAL/4IN/TRIM/RND/FLAT/BN/STD | Brushed Nickel | Flat | 96 |
| 66232 | LED/DL/GIMBAL/4IN/TRIM/RND/FLAT/BK/STD | Black | Flat | 96 |
| **4" Square** | | | | |
| 65438 | LED/DL/GIMBAL/4IN/TRIM/SQR/FLAT/WH/STD | White | Flat | 96 |
| 65439 | LED/DL/GIMBAL/4IN/TRIM/SQR/FLAT/BN/STD | Brushed Nickel | Flat | 96 |
| 66233 | LED/DL/GIMBAL/4IN/TRIM/SQR/FLAT/BK/STD | Black | Flat | 96 |

[1] **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

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## ACCESSORIES (order separately)

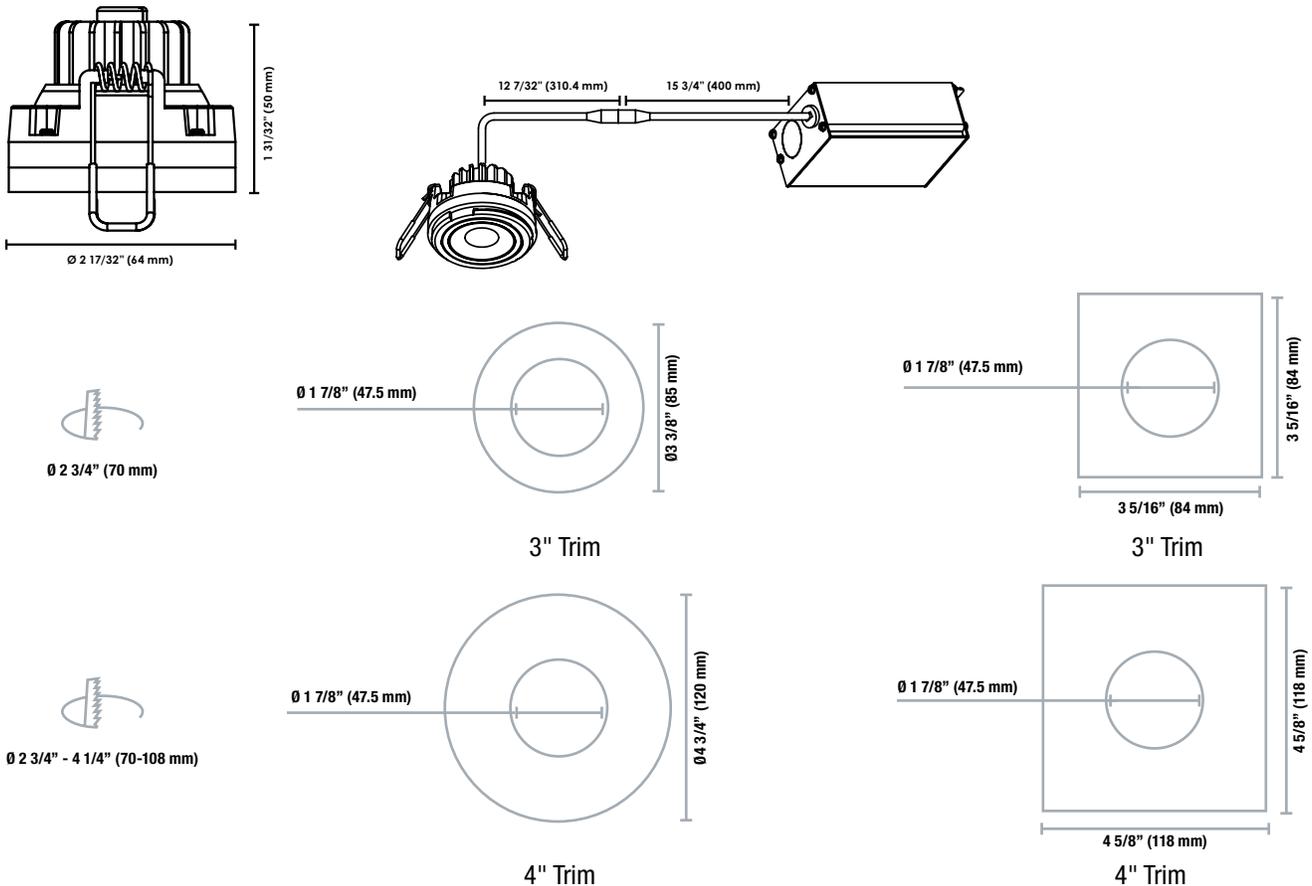| Order code | Part number | Type | Opening diameter (po) | Case qty (master) |
|---|---|---|---|---|
| 66020 | ACC/MPLATE/2.75IN/SQR/STD | Square and mounting plate | 2 3/4 | 94 |
| 66021 | ACC/MPLATE/2.75IN/ADJ/STD | Adjustable plate | 2 3/4 | 24 |
| 66819 | ACC/MPLATE/2.75IN/HANG.BARS/STD | Mounting plate with hanger bars | 2 3/4 | 25 |
| 64264 | LPDL/ACC/6FT/EXTCABLE/STD | 6' extension cord | - | 96 |
| 66142 | ACC/3/VAPOR BARRIER/STD | Vapor barrier extender | 2 3/4 | 50 |

[1]Includes brackets and screws.

## COMPATIBLE DIMMERS

| Brand | Product type & dimmer model number | |
|---|---|---|
| | Module | Warm Dim Modules |
| Legrand | | HCL453P |
| Cooper | AAL06 | AAL06, DAL06P, SLC03P |
| Leviton | 6615, 6674, DSL06-1LZ, IPE04-1LZ, IPL06 | 6615, 6674, DSL06-1LZ, IPE04-1LZ, IPL06 |
| Lutron | AYCL-253P, CTCL-153P, DVCL-153P, DVCL-253P, DVELV-300P, SELV-300P | AYCL-253P, CTCL-153P, DVCL-153P, DVCL-253P, DVELV-300P, NTELV-600, PD-06WCL, SELV-300P |

NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Standard recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

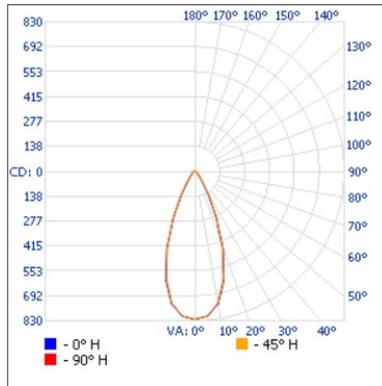## DIMENSIONS

3" Trim
3" Trim
4" Trim
4" Trim

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## PHOTOMETRIC DATA[1]

### 65981 • LED/DL/GIMBAL/MOD/7W/30-22K/WH/STD • 473.1 lm

**Polar candela distribution**



■ - 0° H
■ - 90° H
■ - 45° H

**Zonal lumen summary**

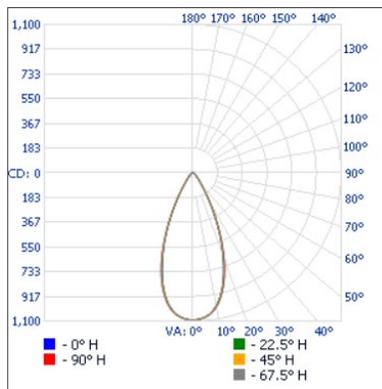| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 371.8 | 78.6% |
| 0-40 | 423.9 | 89.6% |
| 0-60 | 459.7 | 97.2% |
| 60-90 | 12.9 | 2.7% |
| 70-100 | 4.8 | 1% |
| 90-120 | 0.1 | 0% |
| 0-90 | 472.6 | 99.9% |
| 90-180 | 0.5 | 0.1% |
| 0-180 | 473.1 | 100% |

**Illuminance at a distance**

| | Center beam fc | Beam width | |
|---|---|---|---|
| 17' | 2.85 fc | 13.2' | 13.1' |
| 34' | 0.71 fc | 26.5' | 26.2' |
| 51' | 0.32 fc | 39.7' | 39.3' |
| 68' | 0.18 fc | 53.0' | 52.5' |
| 85' | 0.11 fc | 66.2' | 65.6' |
| 102' | 0.08 fc | 79.5' | 78.7' |

■ Vert. spread: 42.6°
■ Horiz. spread: 42.2°

### 65423 • LED/DL/GIMBAL/MOD/7W/40K/BN/STD • 701.2 lm

**Polar candela distribution**



■ - 0° H
■ - 90° H
■ - 22.5° H
■ - 45° H
■ - 67.5° H

**Zonal lumen summary**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 539.0 | 76.9% |
| 0-40 | 625.0 | 89.1% |
| 0-60 | 681.7 | 97.2% |
| 60-90 | 18.4 | 2.6% |
| 70-100 | 6.3 | 0.9% |
| 90-120 | 0.0 | 0% |
| 0-90 | 700.1 | 99.8% |
| 90-180 | 1.1 | 0.2% |
| 0-180 | 701.2 | 100% |

**Illuminance at a distance**

| | Center beam fc | Beam width | |
|---|---|---|---|
| 17' | 3.77 fc | 14.1' | 14.4' |
| 34' | 0.94 fc | 28.2' | 28.8' |
| 51' | 0.42 fc | 42.3' | 43.2' |
| 68' | 0.24 fc | 56.4' | 57.6' |
| 85' | 0.15 fc | 70.5' | 72.0' |
| 102' | 0.10 fc | 84.6' | 86.4' |

■ Vert. spread: 45.0°
■ Horiz. spread: 45.9°

[1] Complete IES files available on our website.

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