

Series Spec Sheet

GIMBAL HIGH OUTPUT

LED DOWNLIGHT 3.5"

Single CCT and 5 CCT selectable

The LED Gimbal high output downlight combines a sleek design with a small aperture without any compromise to the light output. Choose between single color temperature 3 000-2 200, 3 000 and 4 000 K or integrated 2 700/3 000/3 500/4 000/5 000 K selectable temperature. This series is perfect for both residential and commercial applications. This downlight is also available in bulk packs of 10 units, perfect for contractor projects!

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Trim finish white, black and brushed nickel
- Die cast aluminum housing
- Available in 3.5" round and square
- 24° tilt
- 40° beam angle
- Clear polycarbonate
- CCT selectable switch is discretely placed on the back of the LED module
- Includes an FT6 rated cable with DC 2.1 connector between driver and fixture that is approved for use in plenums and suspended ceilings

Mounting

- LED module with LED driver easily installs with included quick connect wire
- Torsion spring mounting clips
- Cutting hole 3 1/2" (9.0 cm) to 4 1/4" (10.8 cm) for the round version
- Can cover a retrofit application cutting hole
- Cutting hole 3 1/2" (9.0 cm) for the square version

• Performance data

- Available in both 3 000-2 200, 3 000 and 4 000 K single color temperature, or 2 700/3 000/3 500/4 000/5 000 K selectable color temperature
- 90+ CRI
- 120 V
- 120-277 V only available with bulk pack option
- Estimated lifespan of 50 000 hours to L70
- Phase cut (ELV / Triac) dimming standard
- 0-10 V dimming standard only available with bulk pack option
- Operating temperature: -30 °C to 45 °C (-22 °F to 113 °F)

• Compliances

- cETLus listed for wet locations
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- IC rated for direct contact with insulation
- Airtight as per ASTM E283 standard

OVERVIEW

Light source	LED
Watts (W)	12
Lumen output (lm)	672 - 1 095
Efficacy (lm/W)	56 - 91
Color temperature (K)	3 000-2 200, 3 000, 4 000, 2 700/3 000/3 500/4 000/5 000
CRI	90+



QUICK SHIP AND TECHNICAL SPECIFICATION TABLES

Combined LED Module and LED Driver

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Beam angle (°)	Cable rating	Finish	Shape	Power factor	THD (%)	Case qty (master)
Single CCT															
67809	DL/GIMBAL/RND/12W/30K/WH/STD	12	120	3 000	920	77	90+	50 000	40	FT6	White	Round	>0.9	<20	24
67810	DL/GIMBAL/RND/12W/30K/BN/STD	12	120	3 000	920	77	90+	50 000	40	FT6	Brushed Nickel	Round	>0.9	<20	24
67811	DL/GIMBAL/RND/12W/30K/BK/STD	12	120	3 000	920	77	90+	50 000	40	FT6	Black	Round	>0.9	<20	24
67812	DL/GIMBAL/RND/12W/40K/WH/STD	12	120	4 000	950	79	90+	50 000	40	FT6	White	Round	>0.9	<20	24
Warm Dim															
67813	DL/GIMBAL/RND/12W/30-22K/WH/STD	12	120	3 000-2 200	660	55	90+	50 000	40	FT6	White	Round	>0.9	<20	24
CCT Selectable															
69015	DL/GIMBAL/3.5IN/RND/12W/5C/WH	12	120	2 700/3 000/3 500/4 000/5 000	850	71	90+	50 000	40	FT6	White	Round	>0.9	<20	24
69016	DL/GIMBAL/3.5IN/RND/12W/5C/BK	12	120	2 700/3 000/3 500/4 000/5 000	850	71	90+	50 000	40	FT6	Black	Round	>0.9	<20	24
69017	DL/GIMBAL/3.5IN/RND/12W/5C/BN	12	120	2 700/3 000/3 500/4 000/5 000	850	71	90+	50 000	40	FT6	Brushed Nickel	Round	>0.9	<20	24
69427	DL/GIMBAL/3.5IN/SQR/12W/5C/WH	12	120	2 700/3 000/3 500/4 000/5 000	850	71	90+	50 000	40	FT6	White	Square	>0.9	<20	24

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

Bulk pack of 10 units

Order code	Model number	Watts (W)	Volts (V AC)	Dimming type	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Beam angle (°)	Cable rating	Finish	Shape	Power factor	THD (%)	Pack qty
LED Module																
68208 ⁴	DL/GIMBAL/RND/12W/30K/WH MODULE BULK	12	120	-	3 000	920	77	90+	50 000	40	FT6	White	Round	>0.9	<20	10
LED Driver																
68209 ⁴	GMB-DVR-12W BULK	12	120	ELV/Triac	-	-	-	-	50 000	-	FT6	-	-	>0.9	<20	10
69238 ⁴	GMB-DVR-12W/120-277V BULK	12	120-277	0-10 V	-	-	-	-	50 000	-	FT6	-	-	>0.9	<20	10

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.⁴ 68208 must be purchased with 68209 or 69238 and cannot be used separately.

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	3 000-2 200 K		2 700 K		3 000 K		3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
67809	DL/GIMBAL/RND/12W/30K/WH/STD	12	-	-	-	-	966.6	80.6	-	-	-	-	-	-
67810	DL/GIMBAL/RND/12W/30K/BN/STD	12	-	-	-	-	991.7	82.6	-	-	-	-	-	-
67811	DL/GIMBAL/RND/12W/30K/BK/STD	12	-	-	-	-	982.9	81.9	-	-	-	-	-	-
67812	DL/GIMBAL/RND/12W/40K/WH/STD	12	-	-	-	-	-	-	-	-	985.5	82.1	-	-
67813	DL/GIMBAL/RND/12W/30-22K/WH/STD	12	672.9	56.1	-	-	-	-	-	-	-	-	-	-
69015	DL/GIMBAL/3.5IN/RND/12W/5C/WH	12	-	-	852.5	71	875.6	73	850.6	70.9	889.9	74.2	1 094.5	91.2
69016	DL/GIMBAL/3.5IN/RND/12W/5C/BK	12	-	-	852.5	71	875.6	73	850.6	70.9	889.9	74.2	1 094.5	91.2
69017	DL/GIMBAL/3.5IN/RND/12W/5C/BN	12	-	-	852.5	71	875.6	73	850.6	70.9	889.9	74.2	1 094.5	91.2
69427	DL/GIMBAL/3.5IN/SQR/12W/5C/WH	12	-	-	852.5	71	875.6	73	850.6	70.9	889.9	74.2	1 094.5	91.2
68208	DL/GIMBAL/RND/12W/30K/WH MODULE BULK	12	-	-	-	-	966.6	80.6	-	-	-	-	-	-

DEFAULT PROGRAMMING

69015: 2 700 K

69016: 2 700 K

69017: 2 700 K

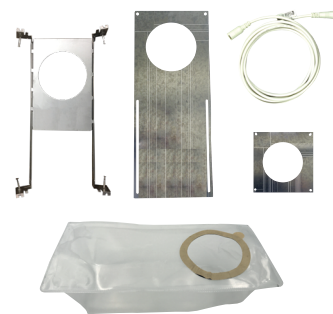
69427: 2 700 K

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. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

ACCESSORIES (order separately)

Order code	Model number	Type	Opening diameter (in)	Case qty (master)
66049	ACC/MPLATE/3.625IN/SQR/STD	Square mounting plate	3 5/8	96
66056	ACC/MPLATE/3.625IN/ADJ/STD	Adjustable mounting plate	3 5/8	96
66142	ACC/3/VAPOR BARRIER/STD	Vapor barrier extender	3 5/8	50
66820 ¹	ACC/MPLATE/3.625IN/HANG.BARS/STD	Mounting plate with hanger bars	3 5/8	25
66964 ²	LPDL/ACC/6FT/EXTCABLE/FT6/STD	6' FT6 Extension cord	-	96

¹ Includes brackets and screws.

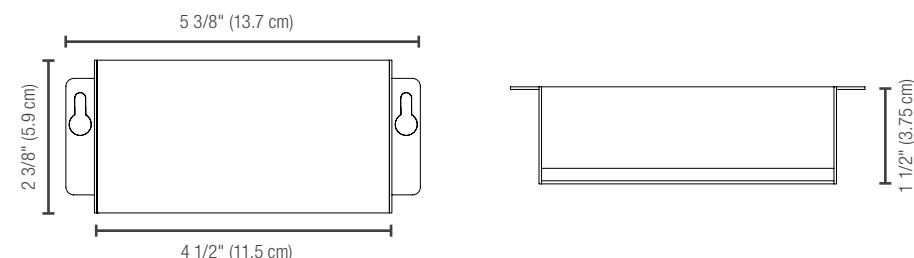
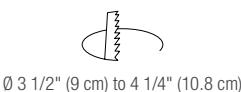
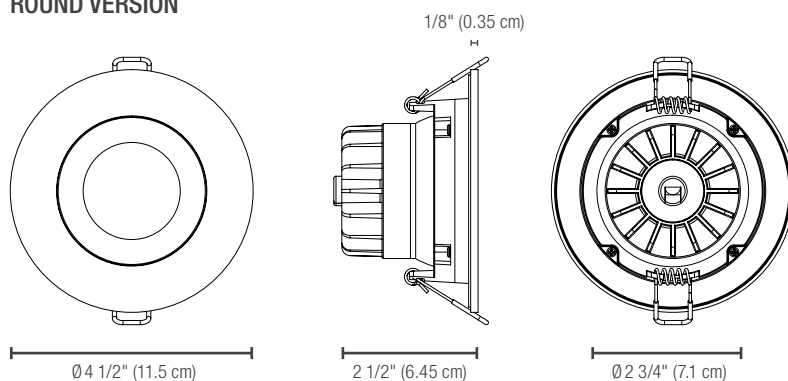
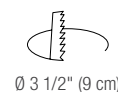
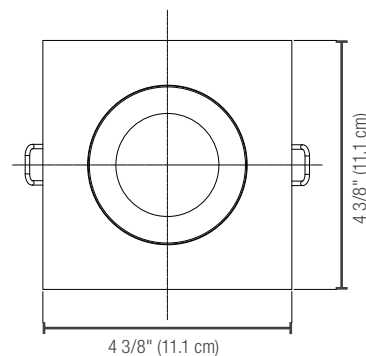
² Compatible with the version that has a selectable CCT switch behind the LED module and the single CCT version.

COMPATIBLE DIMMERS

	3 000 K	4 000 K	3 000-2 200 K	2 700/3 000/3 500/4 000/5 000 K
Brand	Model			
Cooper	RRD-6NA, AAL06	RRD-6NA, AAL06	RRD-6NA, AAL06	RRD-6NA, AAL06
Leviton	IPL06, 6674, DSL06-1LZ, DDMX1	IPL06, 6674, DSL06-1LZ, DDMX1	IPE04-1LZ ¹ , IPL06, 6674, DSL06-1LZ, DDMX1	IPE04-1LZ ¹ , IPL06 ¹ , 6674, DSL06-1LZ ¹ , DDMX1, DSM10-1LZ
Lutron	PD-5NE ¹ , DVCL-153P ¹ , SELV-300P, PD-6WCL, CTCL-153P, DVCL-253P, AYCL-253P, DVRP-253P, MACL-153P	PD-5NE ¹ , DVCL-153P ¹ , SELV-300P ¹ , PD-6WCL, CTCL-153P, DVCL-253P, AYCL-253P, DVRP-253P, MACL-153P	PD-5NE ¹ , DVCL-153P ¹ , SELV-300P, PD-6WCL, CTCL-153P, DVCL-253P, AYCL-253P, DVRP-253P, MACL-153P	PD-5NE ¹ , DVCL-153P, PD-6WCL, CTCL-153P, DVCL-253P, AYCL-253P ¹

Dimming range: 5%-100%

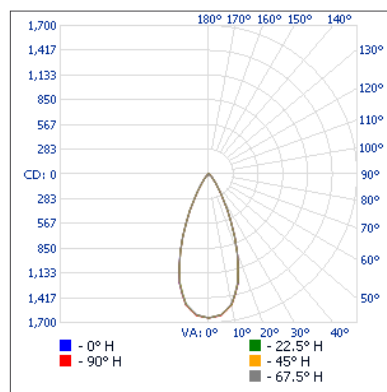
¹ **Dimming range:** 10%-100%

This 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. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

DIMENSIONS AND WEIGHTS

ROUND VERSION

SQUARE VERSION


	Single CCT and CCT selectable
Net weight (lbs)	1.18

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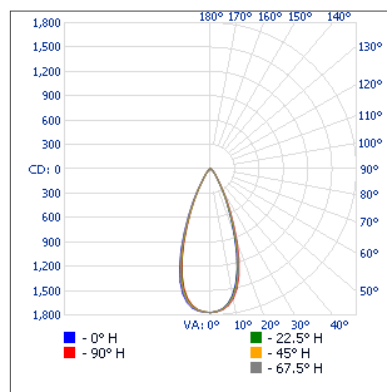
PHOTOMETRIC DATA¹
67809 • DL/GIMBAL/RND/12W/30K/WH/STD • 966.6 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	777.5	80.4
0-40	894.2	92.5
0-60	955.5	98.9
60-90	11.1	1.1
70-100	3.5	0.4
90-120	0	0
0-90	966.6	100
90-180	0	0
0-180	966.6	100

Illuminance at a distance

Center beam fc	Beam width
1.7'	1.4' 1.4'
3.3'	2.7' 2.6'
5.0'	4.0' 4.0'
6.7'	5.4' 5.4'
8.3'	6.7' 6.7'
10.0'	8.0' 8.0'

Vert. spread: 43.8°
 Horiz. spread: 43.7°

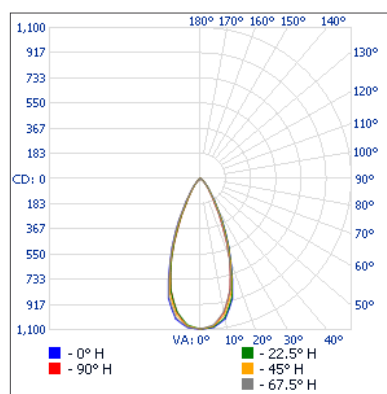
67812 • DL/GIMBAL/RND/12W/40K/WH/STD • 985.5 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	796.1	80.8
0-40	903.3	91.7
0-60	972.3	98.7
60-90	13.2	1.3
0-90	985.5	100

Illuminance at a distance

Center beam fc	Beam width
1.7'	1.3' 1.3'
3.3'	2.5' 2.5'
5.0'	3.8' 3.8'
6.7'	5.1' 5.1'
8.3'	6.3' 6.3'
10.0'	7.6' 7.6'

Vert. spread: 41.7°
 Horiz. spread: 41.8°

67813 • DL/GIMBAL/RND/12W/30-22K/WH/STD • 672.9 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	521.2	77.4
0-40	608.0	90.3
0-60	661.9	98.4
60-90	11.1	1.6
70-100	3.2	0.5
90-120	0	0
0-90	672.9	100
90-180	0	0
0-180	672.9	100

Illuminance at a distance

Center beam fc	Beam width
1.7'	1.4' 1.3'
3.3'	2.7' 2.6'
5.0'	4.1' 3.9'
6.7'	5.5' 5.3'
8.3'	6.8' 6.5'
10.0'	8.2' 7.9'

Vert. spread: 44.7°
 Horiz. spread: 42.9°

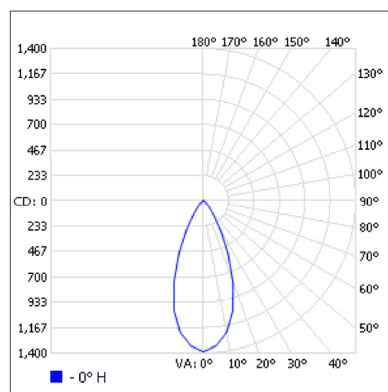
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

69015 • DL/GIMBAL/3.5IN/RND/12W/5C/WH • 3 500 K • 850.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	652.9	76.8
0-40	770.5	90.6
0-60	838.4	98.6
60-90	12.1	1.4
70-100	3.5	0.4
90-120	0	0
0-90	850.6	100
90-180	0	0
0-180	850.6	100

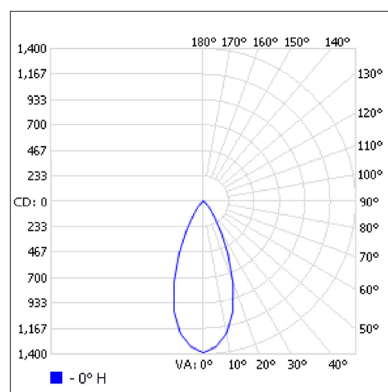
Illuminance at a distance

Center beam fc	Beam width
1.7'	1.4'
3.3'	2.7'
5.0'	4.0'
6.7'	5.4'
8.3'	6.7'
10.0'	8.1'

■ Vert. spread: 43.9°

69427 • DL/GIMBAL/3.5IN/SQR/12W/5C/WH • 3 500 K • 850.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	652.9	76.8
0-40	770.5	90.6
0-60	838.4	98.6
60-90	12.1	1.4
70-100	3.5	0.4
90-120	0	0
0-90	850.6	100
90-180	0	0
0-180	850.6	100

Illuminance at a distance

Center beam fc	Beam width
1.7'	1.4'
3.3'	2.7'
5.0'	4.0'
6.7'	5.4'
8.3'	6.7'
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■ Vert. spread: 43.9°

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