

Series Spec Sheet

GIMBAL

SMALL APERTURE DIRECTIONAL

3" AND 4" DOWNLIGHT

Single CCT and 5 CCT Selectable

The LED Gimbal downlight combines a sleek and versatile design with easy installation. You can choose the all-in-one kit, or create your own combination by selecting the LED module and finish of your choice. It is possible to create many different module-trim combinations! This downlight is the perfect solution for both new construction and renovation applications.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Trim finish white, brushed nickel and black (sold separately)
- Module finish white, brushed nickel and black
- CCT selectable switch is placed on the back of module
- Round and square trim options
- Available in all-in-one kit white 3" and 4" round
- 24° tilt and 360° module rotation to light any direction
- Polycarbonate clear lens
- FT4 cable rating

Mounting

- Twist and lock trim and module installation
- Torsion spring mounting clips
- LED module with LED driver easily installs with included quick connect wire
- Cutting hole Ø 2 3/4" - 4 1/4" (7.0 - 10.8 cm)

• Performance data

- Available in both 3 000-2 200, 3 000 and 4 000K single color temperature, or 2 700/3 000/3 500/4 000/5 000 K selectable color temperature
- 80+ and 90+ CRI
- 120 V
- Estimated life of 36 000 hours (single CCT) and 50 000 (5 CCT) to L70
- Phase cut (ELV / Triac) dimming standard
- Operating temperature: -30 °C to 45 °C (-22 °F to 113 °F)

• Compliances

- cETLus for damp locations for single CCT LED module
- cETLus for wet locations for 5 CCT LED module
- Energy Star
- 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)	7
Lumen output (lm)	473 - 701
Efficiency (lm/W)	68 - 100
Color temperature (K)	3 000-2 200, 3 000, 4 000, 2 700/3 000/3 500/4 000/5 000
CRI	80, 90

¹ Only for 65981 and 65982.

² Only for single CCT LED module

³ Only for 5 CCT LED module

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE ALL-IN-ONE KIT

Order code	Part number	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Beam angle (°)	Trim type	Cable rating	Finish	Power factor	THD (%)	Traditional equivalent (W)	Case qty (master)
3" Round																
69018	DL/GIMBAL/3IN/RND/7W/30K/WH	7	120	3 000	600	86	80+	36 000	40	Flat	FT4	White	>0.9	<40	50	24
4" Round																
69019	DL/GIMBAL/4IN/RND/7W/30K/WH	7	120	3 000	600	86	80+	36 000	40	Flat	FT4	White	>0.9	<40	50	24

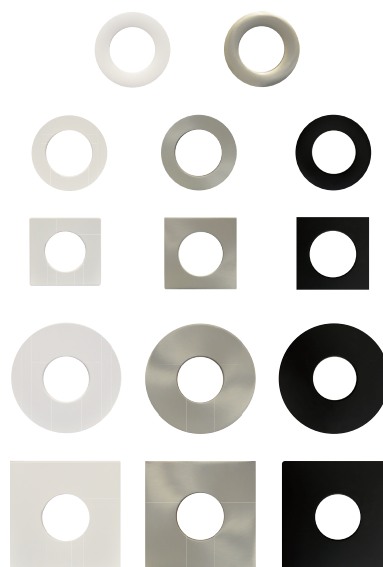
¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from Energy Star reported data. Initial lumens range: +/- 10 %.³ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.QUICK SHIP AND TECHNICAL SPECIFICATION TABLE LED MODULE

Order code	Part number	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Beam angle (°)	Cable rating	Finish	Power factor	THD (%)	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	40	FT4	White	>0.9	<40	18
65982	LED/DL/GIMBAL/MOD/7W/30-22K/BN/STD	7	120	3 000-2 200	470	67	90+	30 000	40	FT4	Brushed Nickel	>0.9	<40	18
Single CCT Modules														
65422	LED/DL/GIMBAL/MOD/7W/30K/BN/STD	7	120	3 000	600	86	80+	36 000	40	FT4	Brushed Nickel	>0.9	<40	18
65421	LED/DL/GIMBAL/MOD/7W/40K/WH/STD	7	120	4 000	620	89	80+	36 000	40	FT4	White	>0.9	<40	18
65423	LED/DL/GIMBAL/MOD/7W/40K/BN/STD	7	120	4 000	620	89	80+	36 000	40	FT4	Brushed Nickel	>0.9	<40	18
5 CCT Selectable Modules														
69406	LED/DL/GIMBAL/MOD/7W/5C/WH	7	120	2 700/3 000/3 500/4 000/5 000	630	90	80+	50 000	40	FT4	White	>0.9	<20	24
69408	LED/DL/GIMBAL/MOD/7W/5C/BK	7	120	2 700/3 000/3 500/4 000/5 000	630	90	80+	50 000	40	FT4	Black	>0.9	<20	24

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from Energy Star reported data. Initial lumens range: +/- 10 %.³ 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

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
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

The trims are sold separately.



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.

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	3 000-2 200K		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)
65981	LED/DL/GIMBAL/MOD/7W/30-22K/WH/STD	7	473.1	68										
65982	LED/DL/GIMBAL/MOD/7W/30-22K/BN/STD	7	473.1	68										
65422	LED/DL/GIMBAL/MOD/7W/30K/BN/STD	7					687.8	98						
65421	LED/DL/GIMBAL/MOD/7W/40K/WH/STD	7									701.2	100		
65423	LED/DL/GIMBAL/MOD/7W/40K/BN/STD	7									701.2	100		
69018	DL/GIMBAL/3IN/RND/7W/30K/WH	7					687.8	98						
69019	DL/GIMBAL/4IN/RND/7W/30K/WH	7					687.8	98						
69406	LED/DL/GIMBAL/MOD/7W/5C/WH	7			625.4	89	633.9	91	666.3	95	671.1	96	637.9	91
69408	LED/DL/GIMBAL/MOD/7W/5C/BK	7			625.4	89	633.9	91	666.3	95	671.1	96	637.9	91

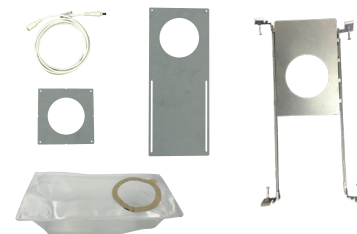
DEFAULT PROGRAMMING

69406: 2 700K

69408: 2 700K

ACCESSORIES (order separately)

Order code	Model number	Type	Opening diameter (in)	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 ¹	LPDL/ACC/6FT/EXTCABLE/STD	6' extension cord	-	96
66142	ACC/3/VAPOR BARRIER/STD	Vapor barrier extender	3 5/8	50

¹ Up to 6 FT4 extension cords can be connected together.COMPATIBLE DIMMERS¹

	Module 3 000 and 4 000 K	Module 3 000-2 200 K	Module 2 700/3 000/3 500/4 000/5 000 K
Brand	Model		
Cooper	AAL06	AAL06, DAL06P, SLC03P	DAL06P, SAL06P, SLC03P, 9531AW
Leviton	6615, 6674, DSL06-1LZ, IPE04-1LZ, IPL06	6615, 6674, DSL06-1LZ, IPE04-1LZ, IPL06	DSM10-1LZ, DSL06-1LZ, IPL06, 6672
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	AYCL-253P, CTCL-153P, DVCL-153P, DVCL-253P, LGCL-153P, MACL-153M, TGCL-153P, SELV-300P

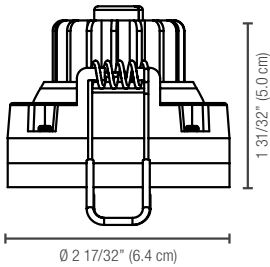
Dimming range : 10%-100%

¹ 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.

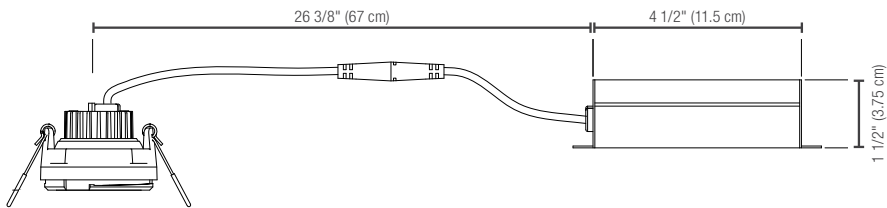
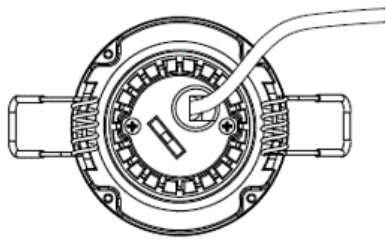
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DIMENSIONS AND WEIGHTS

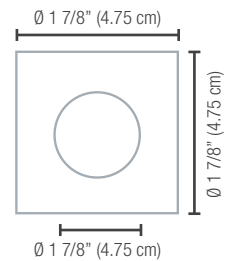
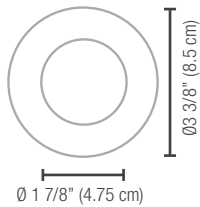
Single CCT and 5 CCT



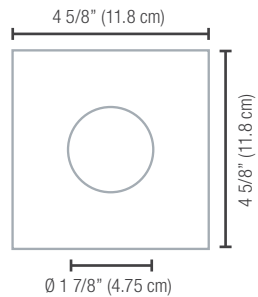
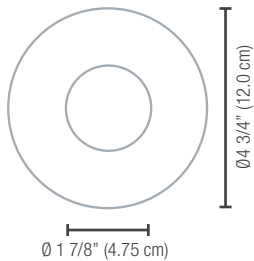
Back of the 5 CCT LED module



3" Trim



4" Trim



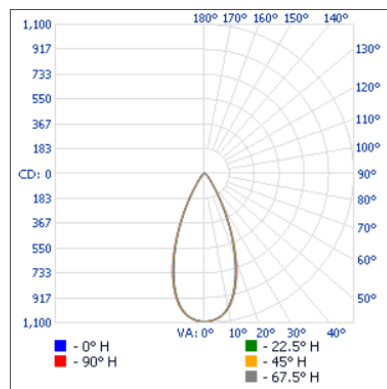
	3" Round kit	4" Round kit	Single CCT Module	5 CCT selectable Module	3" Trim	4" Trim
Net weight (lbs)	1.1	1.19	0.8	0.66	0.09	0.13

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
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PHOTOMETRIC DATA¹

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

Polar candela distribution



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

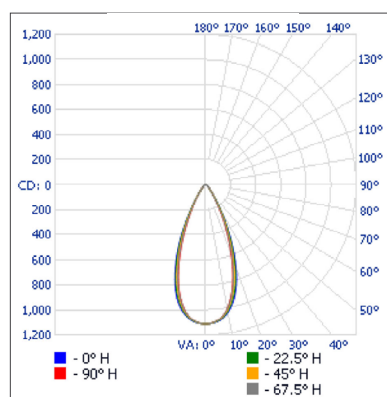
Illuminance at a distance

	Center beam fc	Beam width
1.7'	285	1.3' 1.3'
3.3'	75.5	2.6' 2.5'
5.0'	32.9	3.9' 3.9'
6.7'	18.3	5.2' 5.2'
8.3'	11.9	6.5' 6.4'
10.0'	8.23	7.8' 7.7'

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

69018 • DL/GIMBAL/3IN/RND/7W/30K/WH • 687.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	529.9	77
0-40	610.4	88.7
0-60	665.5	96.8
60-90	21.2	3.1
70-100	7.9	1.2
90-120	0	0
0-90	686.8	99.8
90-180	1.1	0.2
0-180	687.8	100

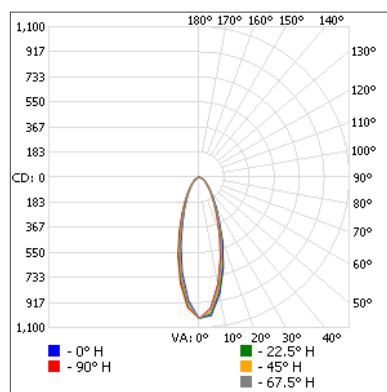
Illuminance at a distance

	Center beam fc	Beam width
1.7'	384	1.5' 1.3'
3.3'	102	2.8' 2.5'
5.0'	44.4	4.3' 3.8'
6.7'	24.7	5.7' 5.1'
8.3'	16.1	7.1' 6.4'
10.0'	11.1	8.6' 7.7'

Vert. spread: 46.3°
Horiz. spread: 41.9°

69406 • GMB-780-5CWH-30K • 633.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	390.3	61.6
0-40	488.2	77
0-60	596.7	94.1
60-90	37.1	5.9
0-90	633.9	100

Illuminance at a distance

	Center beam fc	Beam width
1.7'	357	1.1' 1.1'
3.3'	94.8	2.1' 2.1'
5.0'	41.3	3.1' 3.1'
6.7'	23.0	4.2' 4.2'
8.3'	15.0	5.2' 5.2'
10.0'	10.3	6.2' 6.3'

Vert. spread: 34.7°
Horiz. spread: 34.9°

¹ Complete IES files available on our website.

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