LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

3iG

IC/Non-IC Retrofit iGimbal

FEATURES & SPECIFICATIONS

INTENDED USE — The adjustable LED iGimbal downlighting module is 80% more efficient than incandescent luminaries, performing for 35,000 hours or more with exceptional energy efficiency and near zero maintenance. The LED iGimbal is intended for sloped ceiling applications, grazing textured surfaces, wall washing, and highlighting artwork or other architectural features. Retrofits into most existing recessed downlighting installations or new construction and remodel applications.

CONSTRUCTION — Spun steel gimbal reflectors with 360° of rotation and at least 45° of adjustable tilt in both directions. Driver affixed to a static yoke to allow maximization of LED light engine rotation and pivot movements.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 50W incandescent flood lamp. Utilizes 2700K, 3000K and 4000K color temperature LEDs. CRI – 90+. The LED module maintains at least 70% light output for 35,000 hours.

ELECTRICAL — Primary power disconnect provided for simple connection to a dedicated LED connector in the housing. Dimming down to 15%.

INSTALLATION — Suitable for installation in standard height rough-in sections. Splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance. Includes three friction clips to ensure easy installation.

LISTINGS — ETL certified to US and Canadian safety standards. FCC Certified. ENERGY STAR® certified; California T24 compliant. Damp location listed.

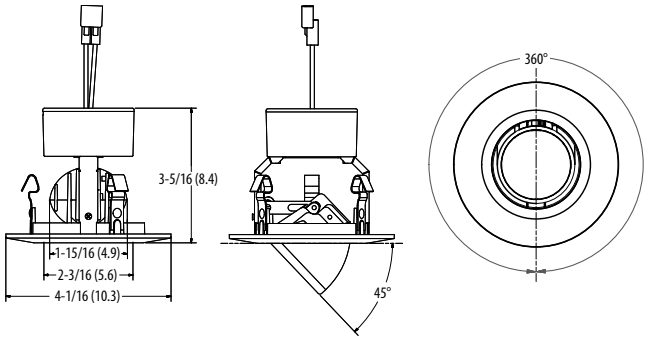
WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Specifications

Aperture:	1-15/16 (4.9)
Ceiling opening:	as rough-in
Height:	3-5/16 (8.4)
Overlap trim:	4-1/16 (10.3)

All dimensions are inches (centimeters) unless otherwise indicated.



Splice Kit (included)

ORDERING INFORMATION For shortest lead times, configure product using **standard options (shown in bold).**

Example: 3iGMW LED 27K 90CRI

3iG				LED				
Series/Finish				**Lamp**	**CCT/CRI/W/Lumens[2]**		**Voltage**	
3iG	3" iGimbal module	**MW**	Matte white	**LED**	**27K 90CRI**	2700K/90CRI/8.7W/530L	**(blank)**	120V
		MB[1]	Matte black		**30K 90CRI**	3000K/91CRI/8.7W/560L		
		BN[1]	Brush nickel		**40K 90CRI[3]**	4000K/92CRI/8.7W/590L		
		ORB[1]	Oil-rubbed bronze					

Notes

1 Minimum 90-day lead time for non-standard color finishes: minimum 50-piece order quantity.

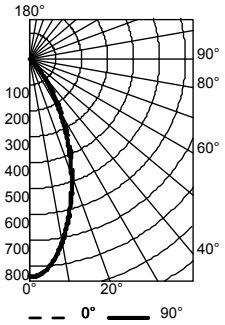
2 Total system delivered lumens.

3 Minimum 90-day lead time for 4000 K color temperature; minimum 50-piece order quantity.

PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

3iGMW LED, 2700 K LEDs, input watts: 8.5, delivered lumens: 536, LM/W=62, test no. LTL28997P1, tested in accordance with IESNA LM 79-80.



CP Summary

	0°	90
0°	837	837
5°	810	810
15°	609	597
25°	373	343
35°	168	138
45°	45	26
55°	15	11
65°	6	4
75°	2	1
85°	1	0
90	0	0

Coefficients of Utilization

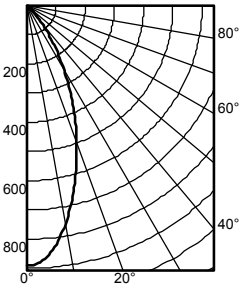
pf		80%			20% 70%			50%		
pc										
pw		70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	114	111	108	109	106	104	105	103	101
	2	108	103	99	102	98	95	98	95	93
	3	103	97	92	95	91	87	93	89	86
	4	98	90	85	89	84	80	87	83	79
	5	93	85	79	84	79	75	82	78	74
	6	89	80	74	79	74	70	78	73	69
	7	85	76	70	75	69	66	74	69	65
	8	81	72	66	71	65	62	70	65	61
	9	77	68	62	67	62	58	66	61	58
	10	74	65	59	64	59	55	63	58	55

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	397	74.1	74.1
0° - 40°	489	91.2	91.2
0° - 60°	529	98.7	98.7
0° - 90°	536	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	536	100.0	100.0

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

3iGMW LED, 3000 K LEDs, input watts: 8.5, delivered lumens: 571, LM/W=67, test no. LTL28997, tested in accordance with IESNA LM 79-80.



	Ave	Lumens
0	891	
5	857	79
15	631	175
25	373	170
35	155	98
45	36	31
55	13	12
65	5	5
75	2	2
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	422.7	74.1
0° - 40°	520.5	91.2
0° - 60°	563.5	98.7
0° - 90°	570.8	100.0
90° - 180°	0.0	0.0
0° - 180°	570.8	*100.0

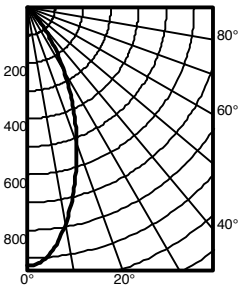
*Efficiency

pf		80%			20% 70%			50%		
pc										
pw		50%	30%	10%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	111	108	106	109	106	104	105	103	101
	2	103	99	96	102	98	95	98	95	93
	3	97	92	88	95	91	87	93	89	86
	4	90	85	81	89	84	80	87	83	79
	5	85	79	75	84	79	75	82	78	74
	6	80	74	70	79	74	70	78	73	69
	7	76	70	66	75	69	66	74	69	65
	8	72	66	62	71	65	62	70	65	61
	9	68	62	58	67	62	58	66	61	58
	10	65	59	55	64	59	55	63	58	55

Mounting Height	Inital FC Center Beam	50% beam - 37.9° Diameter	FC	10% beam - 69.4° Diameter	FC
8.0	29.5	3.8	14.7	7.6	2.9
10.0	15.8	5.1	7.9	10.4	1.6
12.0	9.9	6.5	4.9	13.2	1.0
14.0	6.7	7.9	3.4	15.9	0.7
16.0	4.9	9.3	2.4	18.7	0.5

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

3iGMW LED, 4000 K LEDs, input watts: 8.5, delivered lumens: 595, LM/W=70, test no. LTL28997P2, tested in accordance with IESNA LM 79-80.



	Ave	Lumens
0	928	
5	893	82
15	657	182
25	388	177
35	162	102
45	37	32
55	14	12
65	5	5
75	2	2
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	440.5	74.1
0° - 40°	542.4	91.2
0° - 60°	587.2	98.7
0° - 90°	594.7	100.0
90° - 180°	0.0	0.0
0° - 180°	594.7	*100.0

*Efficiency

pf		80%			20% 70%			50%		
pc										
pw		50%	30%	10%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	111	108	106	109	106	104	105	103	101
	2	103	99	96	102	98	95	98	95	93
	3	97	92	88	95	91	87	93	89	86
	4	90	85	81	89	84	80	87	83	79
	5	85	79	75	84	79	75	82	78	74
	6	80	74	70	79	74	70	78	73	69
	7	76	70	66	75	69	66	74	69	65
	8	72	66	62	71	65	62	70	65	61
	9	68	62	58	67	62	58	66	61	58
	10	65	59	55	64	59	55	63	58	55

Mounting Height	Inital FC Center Beam	50% beam - 37.9° Diameter	FC	10% beam - 69.4° Diameter	FC
8.0	30.7	3.8	15.3	7.6	3.1
10.0	16.5	5.1	8.3	10.4	1.6
12.0	10.3	6.5	5.1	13.2	1.0
14.0	7.0	7.9	3.5	15.9	0.7
16.0	5.1	9.3	2.5	18.7	0.5

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com

DIMMING AND ENERGY DATA

ENERGY DATA*			
Lumens	530	560	590
Watts	8.7	8.7	8.7
LPW	61	64	68
CRI	91	91	92
Color Temp	2700	3000	4000
Minimum Starting Temp	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Min. Power Factor	0.90	0.90	0.90
Input current	0.07A	0.07A	0.07A

*Values at non-dimming line voltage.

COMPATIBLE DIMMER SWITCHES			
Manufacturer	**Model/Series**	**Part Numbers**	**Type**
Sensor Switch	nLight	nSP5 PCD 2W	2-Way 575W Incandescent
		nSP5 PCD ELV 120	475W Electronic Low Voltage
Pass & Seymour	Harmony	HCL453PTCCCV6	3-Way 450W LED and CFL
Leviton	Sure Slide™ Decora	6633-P	3-Way 600W Incandescent
Lutron	Skylark	SELV-300P	300W Electronic Low Voltage
	Nova T	NTELV-300P	300W Electronic Low Voltage
	Diva	DVELV-300P	Single-pole, 300W, ELV
	Ariandni C-L	AYCL-153P-WH	150W CFL/LED or 600W incandescent
	Contour C-L	CTCL-153P-WH	150W CFL/LED or 600W incandescent
Synergy/Leviton	ISD	ISD 600 I 120 *	600W incandescent
Insteon	Insteon	2477D	Single-pole & 3-way, 600W, ELV

When installing the LED Modules on a run with a dimmer, please use the following rule of thumb when determining the number of fixtures controlled by a single dimmer:

- Figure that each LED fixture represents a 65 Watt load
- Divide the maximum load of the dimmer by 65 watt fixture load. (round down to the nearest whole number).

Example:

Dimmer max load=600 watts

LED fixture load=65 watts

600 watts/65 watts per fixture=9 fixtures per run

*Must have minimum of qty 6 LED modules on a circuit to function

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