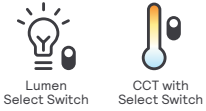




Lightolier LED Gimbal dual select provides the perfect accent lighting solution for installation in low plenum and existing shallow space ceilings. The CCT and Lumen selection features make it easy to adjust at the time of installation.



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Qty: _____
 Notes: _____

Fixture

Example: GB3RSLMZ10SCTUW

Family	Size	Lumens ¹	Dimming	CCT / CRI	Voltage	Finish
GB2						
GB2 Gimbal downlight	3R 3in Round	5 500 lumens	E TRIAC to 5%	SCT ² 90CRI; Field Selectable 5CCT (2700K, 3000K, 3500K, 4000K & 5000K)	1 120V	W White
		SLM Field Selectable (350lm/500lm)	Z10 0-10V		U UNV	W White
		4 425 lumens	E TRIAC to 5%		1 120V	BK Black Matte*
		SLM Field selectable (300lm / 425lm)	Z10 0-10V		U UNV	BK Black Matte*
	4R 4in Round	7 700 lumens	E TRIAC to 5%		1 120V	W White
		SLM Field Selectable (500lm/700lm)	Z10 0-10V		U UNV	W White
		6 600 lumens	E TRIAC to 5%		1 120V	BK Black Matte*
		SLM Field Selectable (425lm/600lm)	Z10 0-10V		U UNV	BK Black Matte*
	6R 6in Round	13 1300 lumens	E TRIAC to 5%		1 120V	W White
		SLM Field Selectable (1000lm/1300lm)	Z10 0-10V		U UNV	W White
		11 1100 lumens	E TRIAC to 5%		1 120V	BK Black Matte*
		SLM Field Selectable (850lm/1100lm)	Z10 0-10V		U UNV	BK Black Matte*

- Lumens may vary by up to 10% on luminaires with a black finish due to light absorption
- Default settings for selectable features: highest available lumens and 4000K CCT.

Accessories

- DSAEC20 20" Extension cord
 DSANCP346 3" 4" 6" Round plate for new construction

Features

- Flange:** Die cast aluminum.
- Junction Box:** Extruded aluminum steel.
- Lifetime:** L70 at 50,000 hours and backed by a 5-year warranty.
- Tilt & Rotation:** 30° Tilt and 360° Rotation
- Connector:** locking power connection between J-box and fixture. Standard length of the connection is 14.96in (38cm).
- Gasket:** foam gasket supplied with the fixture.
- Connectors:** quick connectors supplied with the fixture for ease of installation.

Electrical

Electronic power supply: RoHS compliant. Isolated driver, Class 2 Power Unit. Remote power supply can only accommodate one LED module and cannot be shared with other LED module.

Dimming: 120V versions are compatible with ELV/ TRIAC (120V) dimmers. UNV versions are compatible with 0-10V (UNV) dimmers. (Review our Dimmer Compatibility list for further information)

Labels

ETL listed (UL 1598) for damp locations.
 IC rated for direct contact with thermal insulation.
 Operating temperature: -30°C to 40°C
 AirSeal for minimal air leakage.
 ENERGY STAR® certified.
 Title 24 compliant (JA8).
Warranty Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty (<https://www.genlyte.com/en-us/support/warranties> for details).

	Lumen Output*	Input voltage	Input Freq	Max. Input current	Max. Input power	Max. THD	Power factor	CRI
3" Round 120V	500lm	120V	60Hz	0.15A	6W	20%	0.9	90
3" Round UNV	500lm/700lm	120V - 277V	50/60Hz	0.15A	4.2W/6W	20%	0.9	90
4" Round 120V	1000lm	120V	60Hz	0.20A	8.5W	20%	0.9	90
4" Round UNV	700lm / 1000lm	120V - 277V	50/60Hz	0.20A	6W/8.5W	20%	0.9	90
6" Round 120V	1200lm	120V	60Hz	0.37A	15.5W	20%	0.9	90
6" Round UNV	900lm / 1200lm	120V - 277V	50/60Hz	0.37A	12W/15.5W	20%	0.9	90

* Lumens may vary by up to ±10% on luminaires with a black finish due to light absorption.

** Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.

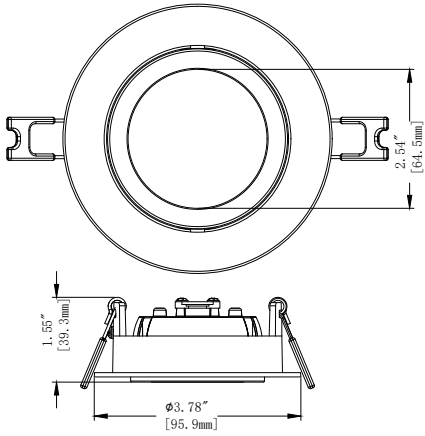


GB Gimbal dual select

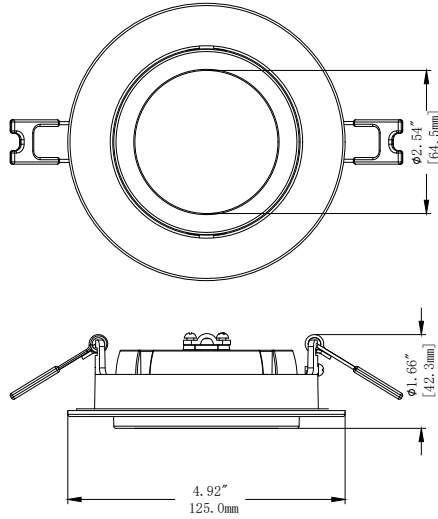
3", 4" & 6" Round

Dimensions

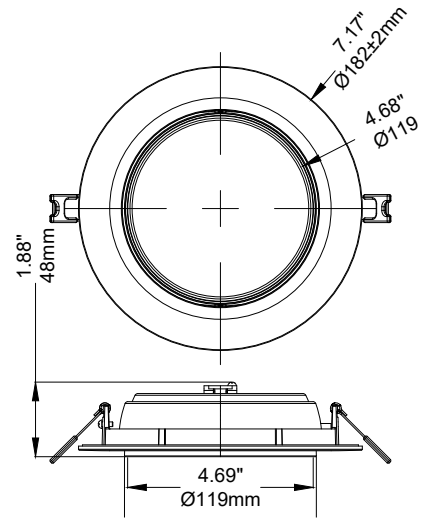
Downlight 3" Round



Downlight 4" Round

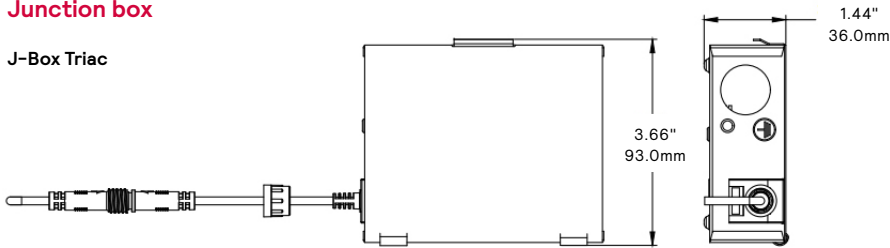


Downlight 6" Round

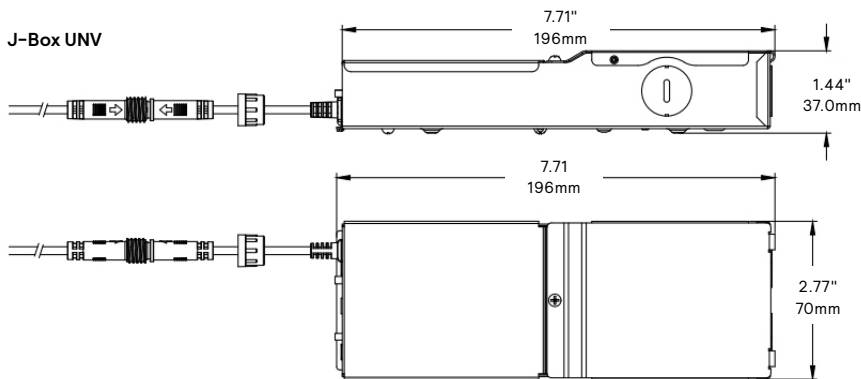


Junction box

J-Box Triac



J-Box UNV



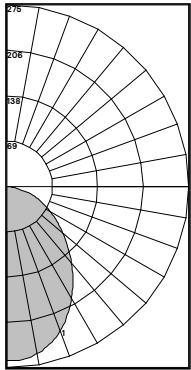
Note: All dimensions shown are in millimeters and inches

GB Gimbal dual select

3", 4" & 6" Round

GB23R5ESCT1W • Gimbal Downlight, 3" Round, 500 lm, Field Selectable, 120V, White Finish

Candlepower Distribution



Fixture: **GB23R5ESCT1W**

Output lumens: 547 lm
 Correlated
 Color Temp:
 Input watts: 6.0 W
 Efficacy: 91.2 lm/W
 CRl: 90 min
 Spacing Criterion: 1.1
 Beam Angle: 86°

Zonal summary

Zone	Lumens	%Luminaire
0-30	189	34.6%
0-40	293	53.6%
0-60	466	85.2%
0-90	547	100.0%

Angle	Mean CP	Lumens
0	265	
5	264	
10	258	25
15	248	
20	234	68
25	216	
30	196	96
35	174	
40	152	104
45	131	
50	110	96
55	92	
60	75	77
65	59	
70	45	53
75	26	
80	8	25
85	0	
90	0	3

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	11	5.5'
6'	7	6.6'
7'	5	7.7'
8'	4	8.8'
9'	3	9.9'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	22.0	0.27
6'	14.0	0.17
7'	10.0	0.12
8'	9.0	0.10
9'	7.0	0.08

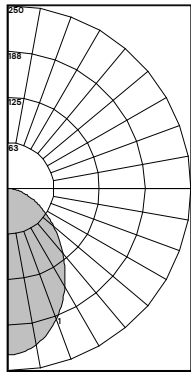
38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	Zonal cavity method - Effective floor reflectance = 20%											
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	105	101	98	103	96	99	93	95	90	86
	2	100	92	86	80	90	79	87	77	84	76	72
	3	91	81	73	67	80	66	77	65	74	64	61
	4	84	72	63	57	71	56	68	56	66	55	52
	5	77	64	56	49	63	49	61	48	59	48	45
	6	71	58	49	43	57	43	55	42	54	42	39
	7	66	53	44	38	52	38	50	37	49	37	35
	8	61	48	40	34	47	34	46	33	45	33	31
	9	57	44	36	30	43	30	42	30	41	30	28
	10	54	41	33	28	40	27	39	27	38	27	25

GB23R4ESCT1BK • Gimbal Downlight, 3" Round, 400 lm, Field Selectable, 120V, Black Finish

Candlepower Distribution



Fixture: **GB23R4ESCT1BK**

Output lumens: 462 lm
 Correlated
 Color Temp:
 Input watts: 6.0 W
 Efficacy: 77.0 lm/W
 CRl: 90 min
 Spacing Criterion: 1.1
 Beam Angle: 86°

Zonal summary

Zone	Lumens	%Luminaire
0-30	162	35.1%
0-40	250	54.1%
0-60	393	85.1%
0-90	462	100.0%

Angle	Mean CP	Lumens
0	229	
5	230	
10	227	21
15	219	
20	208	59
25	193	
30	174	82
35	154	
40	134	88
45	114	
50	95	80
55	78	
60	62	63
65	47	
70	34	42
75	23	
80	13	22
85	40	
90	0	4

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	9	5.5'
6'	6	6.6'
7'	5	7.7'
8'	4	8.8'
9'	3	9.9'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	21.0	0.27
6'	13.0	0.17
7'	9.0	0.12
8'	8.0	0.10
9'	6.0	0.08

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	Zonal cavity method - Effective floor reflectance = 20%											
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	109	105	101	97	103	96	98	93	95	90	85
	2	100	92	85	80	90	79	86	77	83	75	71
	3	91	81	73	67	79	66	76	65	74	64	60
	4	83	72	63	57	70	56	68	55	66	55	52
	5	77	64	55	49	63	48	61	48	59	47	45
	6	71	58	49	43	57	42	55	42	53	42	39
	7	66	52	44	38	52	37	50	37	49	37	35
	8	61	48	39	34	47	33	46	33	45	33	31
	9	57	44	36	30	43	30	42	30	41	30	28
	10	54	40	33	27	40	27	39	27	38	27	25

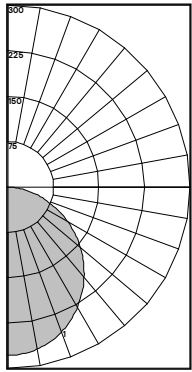
1. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

GB Gimbal dual select

3", 4" & 6" Round

GB24R7ESCT1W • Gimbal Downlight, 4" Round, Field Selectable, 120V, White Finish

Candlepower Distribution



Fixture: **GB24R7ESCT1W**

Output lumens: 752 lm
 Correlated
 Color Temp:
 Input watts: 8.0 W
 Efficacy: 94.0 lm/W
 CRI: 90 min
 Spacing Criterion: 1.2
 Beam Angle: 107°

Zonal summary

Zone	Lumens	%Luminaire
0-30	213	28.3%
0-40	346	46.0%
0-60	600	79.8%
0-90	752	100.0%

Angle	Mean CP	Lumens
0	279	
5	277	
10	273	26
15	266	
20	256	75
25	244	
30	229	112
35	213	
40	195	133
45	176	
50	156	135
55	134	
60	113	119
65	90	
70	69	89
75	47	
80	28	50
85	10	
90	0	12

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	11	6.0'
6'	8	7.2'
7'	6	8.4'
8'	4	9.6'
9'	3	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	30.0	0.35
6'	20.0	0.23
7'	14.0	0.17
8'	12.0	0.14
9'	10.0	0.11

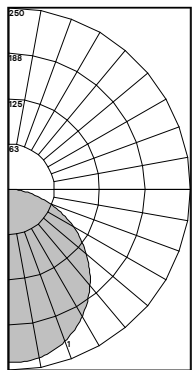
38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	70	50	30	10	50	10	50	10	50	10	0	
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	105	101	98	103	96	99	93	95	90	86
	2	100	92	86	80	90	79	87	77	84	76	72
	3	91	81	73	67	80	66	77	65	74	64	61
	4	84	72	63	57	71	56	68	56	66	55	52
	5	77	64	56	49	63	49	61	48	59	48	45
	6	71	58	49	43	57	43	55	42	54	42	39
	7	66	53	44	38	52	38	50	37	49	37	35
	8	61	48	40	34	47	34	46	33	45	33	31
	9	57	44	36	30	43	30	42	30	41	30	28
	10	54	41	33	28	40	27	39	27	38	27	25

GB24R6ESCT1BK • Gimbal Downlight, 4" Round, Field Selectable, 120V, Black Finish

Candlepower Distribution



Fixture: **GB24R6ESCT1BK**

Output lumens: 634 lm
 Correlated
 Color Temp:
 Input watts: 8.0 W
 Efficacy: 79.3 lm/W
 CRI: 90 min
 Spacing Criterion: 1.2
 Beam Angle: 106°

Zonal summary

Zone	Lumens	%Luminaire
0-30	183	28.9%
0-40	296	46.7%
0-60	512	80.8%
0-90	634	100.0%

Angle	Mean CP	Lumens
0	239	
5	239	
10	237	23
15	232	
20	224	64
25	214	
30	203	96
35	189	
40	174	113
45	157	
50	140	115
55	121	
60	102	101
65	82	
70	62	74
75	44	
80	26	41
85	10	
90	0	9

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	10	6.0'
6'	7	7.2'
7'	5	8.4'
8'	4	9.6'
9'	3	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	26.0	0.35
6'	17.0	0.23
7'	12.0	0.17
8'	10.0	0.14
9'	8.0	0.11

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	70	50	30	10	50	10	50	10	50	10	0	
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	109	105	101	97	103	96	98	93	95	90	85
	2	100	92	85	80	90	79	86	77	83	75	71
	3	91	81	73	67	79	66	76	65	74	64	60
	4	83	72	63	57	70	56	68	55	66	55	52
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	6	71	58	49	43	57	42	55	42	53	42	39
	7	66	52	44	38	52	37	50	37	49	37	35
	8	61	48	39	34	47	33	46	33	45	33	31
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	10	54	40	33	27	40	27	39	27	38	27	25

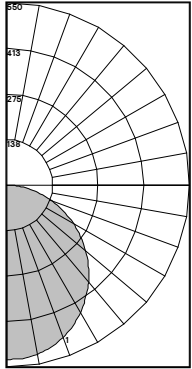
1. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

GB Gimbal dual select

3", 4" & 6" Round

GB26R13ESCT1W • Gimbal Downlight, 6" Round, Field Selectable, 120V, White Finish

Candlepower Distribution



Fixture: **GB26R13ESCT1W**

Output lumens: 1444 lm
 Correlated Color Temp: 14.0 W
 Input watts: 103.1 lm/W
 Efficacy: 80
 CRl: 90 min
 Spacing Criterion: 1.2
 Beam Angle: 109°

Zonal summary

Zone	Lumens	%Luminaire
0-30	405	28.0%
0-40	658	45.6%
0-60	1148	79.5%
0-90	1444	100.0%

Angle	Mean CP	Lumens
0	528	
5	527	
10	520	50
15	509	
20	491	142
25	470	
30	444	213
35	415	
40	383	253
45	347	
50	310	259
55	271	
60	230	231
65	188	
70	145	173
75	103	
80	65	98
85	30	
90	1	25

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	21	6.0'
6'	15	7.2'
7'	11	8.4'
8'	8	9.6'
9'	7	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	58.0	0.62
6'	38.0	0.41
7'	27.0	0.29
8'	23.0	0.24
9'	18.0	0.19

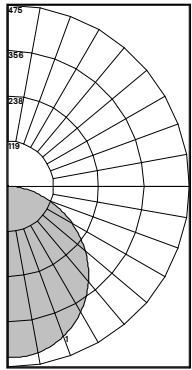
38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	Zonal cavity method - Effective floor reflectance = 20%											
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	105	101	98	103	96	99	93	95	90	86
	2	100	92	86	80	90	79	87	77	84	76	72
	3	91	81	73	67	80	66	77	65	74	64	61
	4	84	72	63	57	71	56	68	56	66	55	52
	5	77	64	56	49	63	49	61	48	59	48	45
	6	71	58	49	43	57	43	55	42	54	42	39
	7	66	53	44	38	52	38	50	37	49	37	35
	8	61	48	40	34	47	34	46	33	45	33	31
	9	57	44	36	30	43	30	42	30	41	30	28
	10	54	41	33	28	40	27	39	27	38	27	25

GB26R11ESCT1BK • Gimbal Downlight, 6" Round, Field Selectable, 120V, Black Finish

Candlepower Distribution



Fixture: **GB26R11ESCT1BK**

Output lumens: 1218 lm
 Correlated Color Temp: 15.0 W
 Input watts: 81.2 lm/W
 Efficacy: 85
 CRl: 90 min
 Spacing Criterion: 1.2
 Beam Angle: 108°

Zonal summary

Zone	Lumens	%Luminaire
0-30	344	28.2%
0-40	559	45.9%
0-60	973	79.9%
0-90	1218	100.0%

Angle	Mean CP	Lumens
0	450	
5	450	
10	445	42
15	435	
20	421	121
25	403	
30	380	181
35	356	
40	328	215
45	296	
50	264	219
55	229	
60	193	195
65	156	
70	119	145
75	83	
80	49	81
85	19	
90	0	19

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	18	6.0'
6'	12	7.2'
7'	9	8.4'
8'	7	9.6'
9'	6	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	49.0	0.66
6'	32.0	0.44
7'	23.0	0.31
8'	19.0	0.26
9'	15.0	0.21

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%	
	70	50	30	10	50	10	50	10	50	10	0	
Wall	Zonal cavity method - Effective floor reflectance = 20%											
RCR	Zonal cavity method - Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	109	105	101	97	103	96	98	93	95	90	85
	2	100	92	85	80	90	79	86	77	83	75	71
	3	91	81	73	67	79	66	76	65	74	64	60
	4	83	72	63	57	70	56	68	55	66	55	52
	5	77	64	55	49	63	48	61	48	59	47	45
	6	71	58	49	43	57	42	55	42	53	42	39
	7	66	52	44	38	52	37	50	37	49	37	35
	8	61	48	39	34	47	33	46	33	45	33	31
	9	57	44	36	30	43	30	42	30	41	30	28
	10	54	40	33	27	40	27	39	27	38	27	25

1. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.