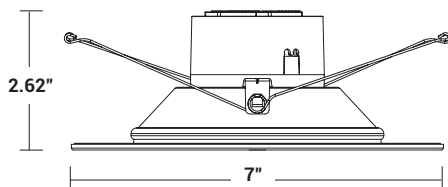
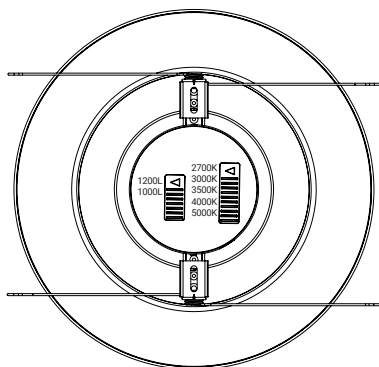


DIMENSIONS



Recommended Hole Cut-out Size: 6-1/4"

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1000L	1226L	11W
1200L	1436L	14W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

INSTALLATION

Cut hole in ceiling. Insert luminaire into opening by squeezing spring clips on both sides of luminaire. The width in ceiling needed for the driver to fit is 3".

For wet location application, you **MUST** seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements. Installation hole size: 6-1/4"

FEATURES

UPGRADE BEYOND CONVENIENCE

This 6" remodel downlight takes remodel and new construction projects beyond convenience for versatile, effective, and stunning illumination. A sleek, compact profile makes for a universally modern look and accommodates low plenum spaces and shallow housing options. Pre-installed clips, a quick connector and E26 adapter allow for quick and easy installation. TRIAC dimming, multi-lumen and CCT options allow for efficient but adaptable power and atmosphere. Ideal for retrofit applications in hallways, living spaces, bedrooms, bathrooms, and kitchens in residential spaces, as well as commercial office spaces.

Wet location rated.

LUMENS	1000L/1200L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed
DIMMING	DIMTR - 10% Triac Dimming at 120V
BEAM ANGLE	Wide (WD) at 110°
FINISH	White (WH) Standard
WORKING TEMP.	-20°C (-4°F) to 40°C (104°F)
EMERGENCY	0-EMG-LED-15W-FLEX (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21



OPTICS

Features a slightly regressed, frosted polycarbonate lens for smooth, glare-free beam diffusion.

A CRI value of 90 guarantees vibrant, natural color display.

Available in a selectable lumen package of 1000L/1200L and 5 selectable color temperatures of 2700K/3000K/3500K/4000K/5000K to enable different warm to cool moods and atmospheres.

Lumen factory set to 1200L.
CCT factory set to 50K.

CONSTRUCTION

Features lightweight aluminum housing for durability, optimum heat dissipation, and ease of installation. A slim, flat trim design gives the appearance of a slim disk downlight. A low profile remote driver box ensures the luminaire will fit into low plenum space applications.

Pre-installed clips make for easy recessed mounting; equipped with an E26 base adapter for retrofit installations as easy as changing a lightbulb. Includes quick connector for use with 5" or 6" housings.

Multi-lumen and multi-CCT switches located on top of luminaire and can be easily accessed by lowering the luminaire from the ceiling.

Wet location rated. Available in a white finish.

MAINTENANCE

Fixture can be regularly and safely wiped down to ensure optimal fixture performance.

MOUNTING

Suitable for recessed mounting in new construction and remodel applications. Recommended hole cut-out size is 6 1/4".

OPTIONS & ACCESSORIES

Available to order separately:

- A variety of IC rated and non IC rated remodel and new construction housings.

- GU24SA socket for LED GU24 retrofit.

- A 15W emergency battery back-up option.

See order chart for details.

DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120V-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING

DIMTR - 10% Triac dimming at 120V.

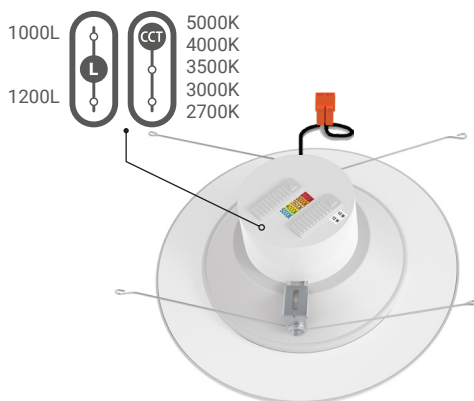
WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

ETL listed.
Energy Star compliant.
Title 24 and JA8 compliant.
Wet location rated.
Air-tight, and ready to be in contact with insulation.

MULTI-LUMEN & MULTI-CCT SWITCH



ACCESSORIES

GU24SA

Socket for LED Retrofit to GU24



COMPATIBLE HOUSINGS

NEW CONSTRUCTION IC RATED HOUSING



LD6IC
6" New Construction IC Housing

HLD6IC-AT
6" Architectural New Construction IC Housing

LD600IC-AT
6" New Construction IC Housing

CLD6IC-AT-DIMTR-120
6" New Construction IC Housing with WAGO Connector

EZ6IC-AT
6" Incandescent Socket Air-shut IC Housing with WAGO Connector



B6IC-AT-W
6" Incandescent Air-shut IC Housing with WAGO Connector

B6IC-100-AT
6" Incandescent 100W Air-shut IC Housing with WAGO Connector

B600IC-AT-W
6" Incandescent Universal Single Wall 100W IC Housing with WAGO Connector

REMODEL IC RATED HOUSING



LD6RIC-AT
6" Remodel IC Housing

HLD6RIC-AT
6" Architectural Remodel IC Housing



EZ6IC-AT
6" Incandescent Loose Socket Air-shut IC Housing with WAGO Connector

B6RIC-AT-W
6" Incandescent Air-shut IC Remodel Housing with WAGO Connector

NEW CONSTRUCTION NON-IC RATE HOUSING



LD6-AT-DIMTR-120
6" New Construction Non-IC Housing

HLD6-AT
6" Architectural New Construction Non IC Housing

B6IC-AT-W
6" Incandescent Air-shut Housing with WAGO Connector

REMODEL NON-IC RATED HOUSING



LD6R-AT-DIMTR-120
Remodel Non-IC Housing

LD6R-AT
6" Remodel Non-IC Housing

Example: **RL683-LED-1000L/1200L-DIMTR-120-27K/30K/35K/40K/50K-WH**

RL683-LED						
SERIES	LUMENS	DIMMING	CCT	FINISH	OPTION	COMPATIBLE HOUSINGS
RL683-LED	1000L/1200L	DIMTR/120 (Triac-120V)	27K/30K/35K/40K/50K	WH - White	GU24SA Socket for LED Retrofit to GU24 O-EMG-LED-15W-FLEX 15W High Voltage Inverter (Remote)	LD6IC - 6" New Construction IC Housing HLD6IC-AT - 6" Architectural New Construction IC Housing LD600IC-AT - 6" New Construction IC Housing CLD6IC-AT-DIMTR-120 - 6" New Construction IC Housing with WAGO Connector EZ6IC-AT - 6" Incandescent Socket Air-shut IC Housing with WAGO Connector B6IC-AT-W - 6" Incandescent Air-shut IC Housing with WAGO Connector B6IC-100-AT - 6" Incandescent 100W Air-shut IC Housing with WAGO Connector B600IC-AT-W - 6" Incandescent Universal Single Wall 100W IC Housing with WAGO Connector LD6RIC-AT - 6" Remodel IC Housing HLD6RIC-AT - 6" Architectural Remodel IC Housing EZ6RIC-AT - 6" Incandescent Loose Socket Air-shut IC Housing with WAGO Connector B6RIC-AT-W - 6" Incandescent Air-shut IC Remodel Housing with WAGO Connector LD6-AT-DIMTR-120 - 6" New Construction Non-IC Housing HLD6-AT - 6" Architectural New Construction Non IC Housing B6IC-AT-W - 6" Incandescent Air-shut Housing with WAGO Connector LD6R-AT-DIMTR-120 - Remodel Non-IC Housing LD6R-AT - 6" Remodel Non-IC Housing

RL683-1000L-1200L-DIMTR-120-27K-30K-35K-40K-50K-90-WH(1000L)

TEST NO.: **EL10082504**

INPUT WATTS: **11.2**

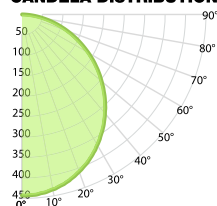
LUMENS: **1226**

EFFICACY: **109**

BEAM ANGLE: **109**

SPACING CRITERIA: **1.24 x 1.24**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	443	443
10°	434	436
20°	409	411
30°	368	372
40°	316	319
50°	254	258
60°	187	191
70°	118	121
80°	52	54
90°	0	1

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	33339	33339
45.00°	30474	30850
55.00°	29060	29588
65.00°	27213	27785
75.00°	24513	25235
85.00°	19700	21066

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	42
10° - 20°	119
20° - 30°	179
30° - 40°	213
40° - 50°	218
50° - 60°	195
60° - 70°	148
70° - 80°	87
80° - 90°	24

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	161	13%
0° - 30°	340	28%
0° - 40°	553	45%
0° - 60°	966	79%
0° - 80°	1201	98%
0° - 90°	1226	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	12.3 lx	16.8 m	16.8 m
8.0 m	6.9 lx	22.4 m	22.5 m
10.0 m	4.4 lx	28.0 m	28.1 m
12.0 m	3.1 lx	33.6 m	33.7 m
14.0 m	2.3 lx	39.2 m	39.3 m
16.0 m	1.7 lx	44.8 m	44.9 m
18.0 m	1.4 lx	50.4 m	50.5 m
20.0 m	1.1 lx	56.0 m	56.1 m

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	20%																10%				0%			
		80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	102	102	100	100	100	0%
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	90	88	90	88	86	84	84	84	0%
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70	75	72	70	70	70	70	0%
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59	62	57	52	50	50	50	0%
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50	56	50	45	43	43	43	0%
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43	51	45	40	38	38	38	0%
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	46	40	35	33	33	33	0%
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	35	33	42	36	32	30	30	30	0%
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30	39	33	29	27	27	27	0%
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27	36	30	26	24	24	24	0%
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24	30	26	24	24	24	24	0%

RL683-1000L-1200L-DIMTR-120-27K-30K-35K-40K-50K-90-WH(1200L)

TEST NO.: **EL10082504**

INPUT WATTS: **13.6**

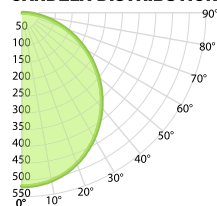
LUMENS: **1436**

EFFICACY: **106**

BEAM ANGLE: **109**

SPACING CRITERIA: **1.24 x 1.24**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	519	519
10°	509	511
20°	479	483
30°	432	436
40°	370	375
50°	298	303
60°	219	224
70°	138	142
80°	61	63
90°	2	1

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	39073	39073
45.00°	35675	36204
55.00°	34034	34642
65.00°	31825	32584
75.00°	28669	29578
85.00°	23149	24645

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	49
10° - 20°	140
20° - 30°	210
30° - 40°	250
40° - 50°	256
50° - 60°	229
60° - 70°	174
70° - 80°	102
80° - 90°	29

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	189	13%
0° - 30°	398	28%
0° - 40°	648	45%
0° - 60°	1132	79%
0° - 80°	1408	98%
0° - 90°	1436	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	14.4 lx	16.8 m	16.9 m
8.0 m	8.1 lx	22.4 m	22.5 m
10.0 m	5.2 lx	28.0 m	28.1 m
12.0 m	3.6 lx	33.6 m	33.7 m
14.0 m	2.6 lx	39.2 m	39.3 m
16.0 m	2.0 lx	44.8 m	44.9 m
18.0 m	1.6 lx	50.4 m	50.6 m
20.0 m	1.3 lx	56.0 m	56.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	20%																10%				0%			
		80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	102	102	100	100	100	0%
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	90	88	90	88	86	84	84	84	0%
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70	75	72	70	70	70	70	0%
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59	62	57	52	50	50	50	0%
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50	56	50	45	43	43	43	0%
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43	51	45	40	38	38	38	0%
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	46	40	35	33	33	33	0%
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	35	33	42	36	32	30	30	30	0%
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30	39	33	29	27	27	27	0%
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27	36	30	26	24	24	24	0%
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24	30	26	24	24	24	24	0%