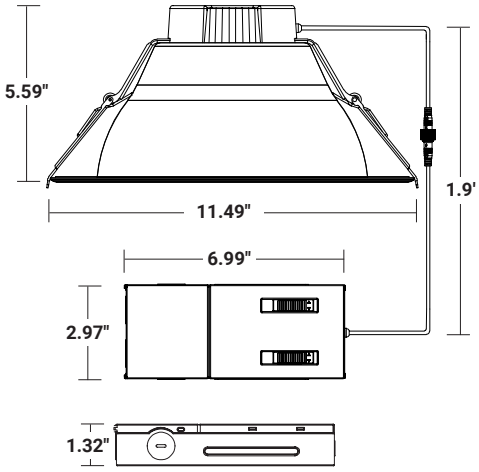
RCL1043 10"

10" Canless Commercial LED Downlight with Multi-lumen & Multi-CCT

DIMENSIONS



Recommended Hole Cut-out Size: 10"

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
3000L	3357L	30W
2500L	2707L	25W
2000L	2264L	20W

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: 10"

FEATURES

This 10" LED "Canless" downlight is engineered for new construction, remodel, or retrofit applications. It accommodates insulated and dropped ceilings, and features switchable multi-lumen and multi-CCT and dual dimming for versatile function. Recessed housing not required.

Ideal for improved general lighting in corporate, commercial, retail, and hospitality spaces. Suitable for both indoor and shower use.

IC rated, airtight, and ready to be in contact with insulation.

LUMENS	2000L/2500L/3000L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed
DIMMING	DIM10 - 0-10V 1% Flicker-free Dimming, DIMTR - 5% Triac Dimming at 120V
BEAM ANGLE	Very Wide (VWD) at 90°
FINISH	White (W) Standard
TRIM FINISH	Black (BK), Satin Haze (SH), White (WH), Clear (CL)
WORKING TEMP.	-25°C (-13°F) to 40°C (104°F)
UGR	UGR<19
EMERGENCY	EMG-LED-G-16W-HV-FLEX (Remote) EMG-LED-G-25W-HV-FLEX (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21

ENERGY STAR · Intertek · TITLE 24 JA8 · IC RATED · FOR WET LOCATION · 5-YEAR LIMITED WARRANTY

Due to the constant improvement in LED technology, all details are subject to change without notice. Consult factory for up-to-date information.
12/05/25

OPTICS
Features a regressed, frosted polycarbonate lens for optimal beam diffusion and a reflector for smooth, glare-free illumination. Features a UGR<19, and a wide (WD) distribution.

Highly effective, micro-power LEDs allow for excellent and energy efficient performance.

Five selectable color temperatures of 27K/30K/35K/40K/50K enable different warm to cool moods and atmospheres. A selectable lumen package of 2000L/2500L/3000L allows for customizable intensity, for a variety of uses.

CCT factory set to 5000K; lumen factory set to 3000L.

CONSTRUCTION
Housing built from spun aluminum for a lightweight durability and optimal heat conduction.

IC rated, air-tight, and ready for contact with insulation. Completely sealed for use in wet locations.

Pre-installed spring clips allow for easy and fast "snap-in" recessed installation.

Multi-lumen and multi-CCT switches located on remote driver box.

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 remodel and new construction applications. Meant to be installed in 10" hole. No recessed housing necessary.

OPTIONS & ACCESSORIES
1.9 ft power cable and remote driver included.

Available to order separately:
- Various colored Baffle, Reflector, and Trim options
- 16W and 25W Emergency Battery Back-up options

Extension cable options:
- **RL-ACC-SLIM-1-10F** (10-ft)
- **RL-ACC-SLIM-1-20F** (20-ft)

Rough Plate options:
- **RL-UNV-1/2/3/4/5/6/8/10** - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" downlights

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-347V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING
Available with dual dimming:

DIM10 - Flicker-free 1% dimming at 120-347V.

DIMTR - 5% Triac & electronic low voltage dimming. Available in 120V.

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

LISTINGS
ETL listed.
Energy Star certified.
JA8 and Title 20 compliant.
Wet location suitable.
IC-Rated, air-tight ready, and may be in direct contact with insulation.

MULTI-LUMEN & MULTI-CCT SWITCH

TRIM OPTIONS

BAFFLE TRIMS

RL1043-BT-MB-BK
Black - Black

RL1043-BT-SHZ-SHZ
Satin Haze - Satin Haze

RL1043-BT-SHZ-WH
Satin Haze - White

REFLECTOR TRIMS

RL1043-RT-MB-BK
Black - Black

RL1043-RT-SHZ-SHZ
Satin Haze - Satin Haze

RL1043-RT-SHZ-WH
Satin Haze - White

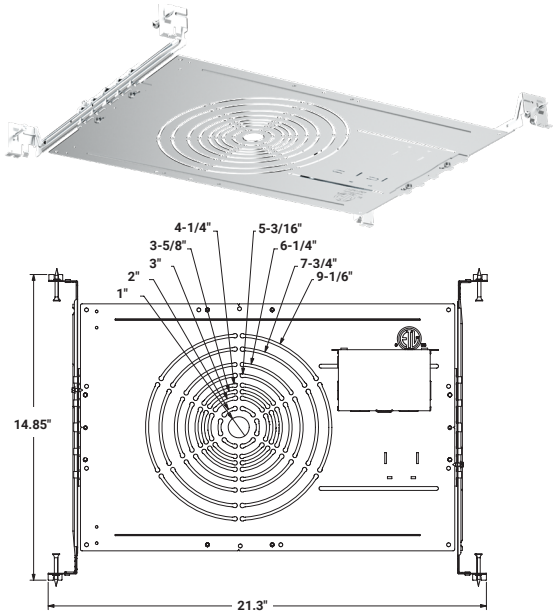
RL1043-RT-CL-WH
Clear - White

OPTION & ACCESSORIES

RL-ACC-SLIM-1-10F
10-ft long extension

RL-ACC-SLIM-1-20F
20-ft long extension

RL-UNV-1/2/3/4/5/6/8/10
For use with 1", 2", 3", 4", 5", 6", 8" and 10" downlights



Example: **RCL1043-2000L/2500L/3000L-DIMTR/120-DIM10/120-347V-27K/30K/35K/40K/50K-W-WH**

RCL1043						
SERIES	**LUMENS**	**DIMMING**	**CCT**	**CRI**	**FINISH**	**OPTION**
RCL1043	**2000L/2500L/3000L**	**DIMTR/120-DIM10/120-347V** (Triac-0-10V)	**27K/30K/35K/40K/50K**	**90**	**W-WH** - White **TRIM OPTION** **RL1043-BT-MB-BK** **RL1043-BT-SHZ-SHZ** **RL1043-BT-SHZ-WH** **RL1043-RT-MB-BK** **RL1043-RT-SHZ-SHZ** **RL1043-RT-SHZ-WH** **RL1043-RT-CL-WH**	**RL-ACC-SLIM-1-10F** - 10-ft long extension **RL-ACC-SLIM-1-20F** - 20-ft long extension **RL-UNV-1/2/3/4/5/6/8/10** - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" **O-EMG-LED-16W-FLEX** - 16W Emergency Back up (Remote) **O-EMG-LED-25W-FLEX** - 25W Emergency Back up (Remote)

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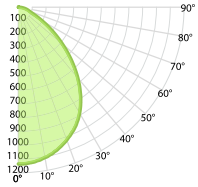
RCL1043- 2000L-2500L-3000L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(2000L) TEST NO.: EL08052509

INPUT WATTS:19.6 LUMENS:2264 EFFICACY: 116 BEAM ANGLE:88 SPACING CRITERIA: 1.15 x 1.15

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1136	1136
10°	1106	1106
20°	1024	1022
30°	886	885
40°	668	665
50°	415	412
60°	198	197
70°	83	83
80°	40	40
90°	1	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	19219	19219
45.00°	12959	12903
55.00°	8815	8747
65.00°	4900	4872
75.00°	4065	4037
85.00°	2973	3423

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	107
10° - 20°	302
20° - 30°	445
30° - 40°	492
40° - 50°	423
50° - 60°	276
60° - 70°	132
70° - 80°	67
80° - 90°	20

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	410	18%
0° - 30°	854	38%
0° - 40°	1347	59%
0° - 60°	2045	90%
0° - 80°	2244	99%
0° - 90°	2264	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	31.6 fc	11.7 ft	11.7 ft
8.0 ft	17.7 fc	15.6 ft	15.6 ft
10.0 ft	11.4 fc	19.5 ft	19.5 ft
12.0 ft	7.9 fc	23.4 ft	23.4 ft
14.0 ft	5.8 fc	27.3 ft	27.3 ft
16.0 ft	4.4 fc	31.1 ft	31.2 ft
18.0 ft	3.5 fc	35.0 ft	35.0 ft
20.0 ft	2.8 fc	38.9 ft	38.9 ft

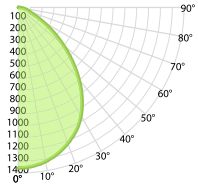
INDOOR COEFFICIENTS OF UTILIZATION

ρf							20%												0%
ρc		80%				70%					50%				30%			10%		0%
ρw	70%	50%	30%	10%	70%	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	102	102	102	100	
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76	
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67	
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59	
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	49	47	
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42	
8	66	54	46	40	65	53	46	40	52	45	40	51	44	40	49	44	40	38	
9	62	50	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35	
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32	

RCL1043- 2000L-2500L-3000L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(2500L) TEST NO.: EL08052509

INPUT WATTS:23.8 LUMENS:2707 EFFICACY: 114 BEAM ANGLE:88 SPACING CRITERIA: 1.15 x 1.15

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1358	1358
10°	1323	1322
20°	1222	1222
30°	1057	1058
40°	797	794
50°	496	494
60°	237	236
70°	100	99
80°	48	48
90°	1	1

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	22979	22979
45.00°	15484	15410
55.00°	10523	10468
65.00°	5856	5837
75.00°	4855	4832
85.00°	3542	4116

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	128
10° - 20°	361
20° - 30°	531
30° - 40°	589
40° - 50°	505
50° - 60°	329
60° - 70°	157
70° - 80°	81
80° - 90°	24

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	490	18%
0° - 30°	1021	38%
0° - 40°	1610	59%
0° - 60°	2445	90%
0° - 80°	2683	99%
0° - 90°	2707	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	37.7 fc	11.7 ft	11.7 ft
8.0 ft	21.2 fc	15.6 ft	15.6 ft
10.0 ft	13.6 fc	19.4 ft	19.5 ft
12.0 ft	9.4 fc	23.3 ft	23.4 ft
14.0 ft	6.9 fc	27.2 ft	27.3 ft
16.0 ft	5.3 fc	31.1 ft	31.2 ft
18.0 ft	4.2 fc	35.0 ft	35.1 ft
20.0 ft	3.4 fc	38.9 ft	39.0 ft

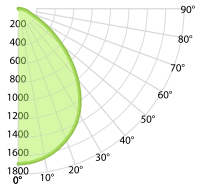
INDOOR COEFFICIENTS OF UTILIZATION

ρf							20%												0%
ρc		80%				70%					50%				30%			10%		0%
ρw	70%	50%	30%	10%	70%	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	102	102	102	100	
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76	
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67	
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59	
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	49	47	
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42	
8	66	54	46	40	65	53	46	40	52	45	40	51	44	40	49	44	40	38	
9	62	50	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35	
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32	

RCL1043- 2000L-2500L-3000L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(3000L) TEST NO.: EL08052509

INPUT WATTS:30.2 LUMENS:3357 EFFICACY: 111 BEAM ANGLE:88 SPACING CRITERIA: 1.15 x 1.15

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1685	1685
10°	1640	1640
20°	1516	1516
30°	1312	1313
40°	988	987
50°	615	615
60°	294	294
70°	123	123
80°	59	60
90°	1	1

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	28508	28508
45.00°	19161	19119
55.00°	13033	13068
65.00°	7244	7268
75.00°	6020	6011
85.00°	4375	5154

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	159
10° - 20°	448
20° - 30°	659
30° - 40°	730
40° - 50°	627
50° - 60°	409
60° - 70°	195
70° - 80°	100
80° - 90°	30

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	607	18%
0° - 30°	1266	38%
0° - 40°	1996	59%
0° - 60°	3032	90%
0° - 80°	3327	99%
0° - 90°	3357	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	46.8 fc	11.7 ft	11.7 ft
8.0 ft	26.3 fc	15.6 ft	15.6 ft
10.0 ft	16.8 fc	19.5 ft	19.5 ft
12.0 ft	11.7 fc	23.3 ft	23.4 ft
14.0 ft	8.6 fc	27.2 ft	27.3 ft
16.0 ft	6.6 fc	31.1 ft	31.2 ft
18.0 ft	5.2 fc	35.0 ft	35.1 ft
20.0 ft	4.2 fc	38.9 ft	39.0 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf							20%												0%
ρc		80%				70%					50%				30%			10%		0%
ρw	70%	50%	30%	10%	70%	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	102	102	102	100	
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	
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6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	49	47	
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8	66	54	46	40	65	53	46	40	52	45	40	51	44	40	49	44	40	38	
9	62	50	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35	
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32	

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