Lumination

Flex Series
Recessed Canless Downlight

Flex Downlight Series is designed to satisfy a wide range of general illumination applications up to 4600 lumens. Available in 4", 6", and 8" apertures with selectable lumen and CCT for easy changes at installation. The integral 120–277V driver provides 0–10V and ELV/Triac phase dimming making it ideal for a wide range of applications.

CONSTRUCTION

Reflector:	Spun aluminum
Lens:	Diffuse Polycarbonate
Paint:	Powder coat white
Weights:	Up to 1.8 lbs (0.82 kg)
Optical Assembly:	Custom engineered reflectors for wide distribution

OPTICAL SYSTEM

Lumens:	Selectable, 750-4600 lm See ordering logic below
Distribution:	Very Wide (90°) with 1.1 Spacing Criteria
Efficacy:	Up to 106 LPW
CCT:	Selectable 2700K/3000K/**3500K**/4000K/5000K *Bold indicates switch default*
CRI:	90 CRI

ELECTRICAL

Input Voltage:	120–277V
Input Frequency:	50/60Hz
Power Factor (PF)*:	PF>0.9
Total Harmonic Distortion (THD)*:	<20%

* PF and THD may vary with options

CONTROLS

Dimming:	Multi-Dim 0–10V to 1% and ELV/Triac Phase Dimming to 5%

AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
Operating Temperature	25° C

LUMEN MAINTENANCE

LXX (10K) @ Hours
L70 > 54,000 hrs
L80 > 54,000 hrs

MOUNTING

- New Construction, Remodel, and Retrofit
- Install from below
- Optional frame kits for new construction

DESIGN LIFE & WARRANTY

- ETL Listed, 4" model IC rated; 6" and 8" models are Non-IC; Air-tight rated, JA-8 (4" only)
- **Current's Limited 5-year Warranty:** Please see website.

SELECTABLE CCT · SELECTABLE LUMENS · ETL c us INTERTEK · WET RATED · IC · AT Air Tight · ENERGY STAR · TITLE 24 PART 6 · RoHS COMPLIANT · 5 YEAR WARRANTY

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Ordering Information Module

| LRX | _ _ | X | 9 | SW | | _ _ |

FAMILY	SHAPE/SIZE	LUMENS[1]	CRI	CCT	DIMMING	OPTIONS
LRX = Lumination® Flex Downlight	**R4** = 4" Round Downlight	**1X** = 750/1100/**1500**	**9** = 90	**SW** = Selectable CCT (2700K/3000K/**3500K**/4000K/5000K)	*Standard with Multi-Dim 0–10V to 1% and ELV/Triac Phase Dimming to 5%*	*Standard without Emergency Ready* **EL** = Emergency Ready [2]
	R6 = 6" Round Downlight	**2X** = 1100/1500/**2500**				
	R8 = 8" Round Downlight	**4X** = 3000/4000/**4600**				

Notes:

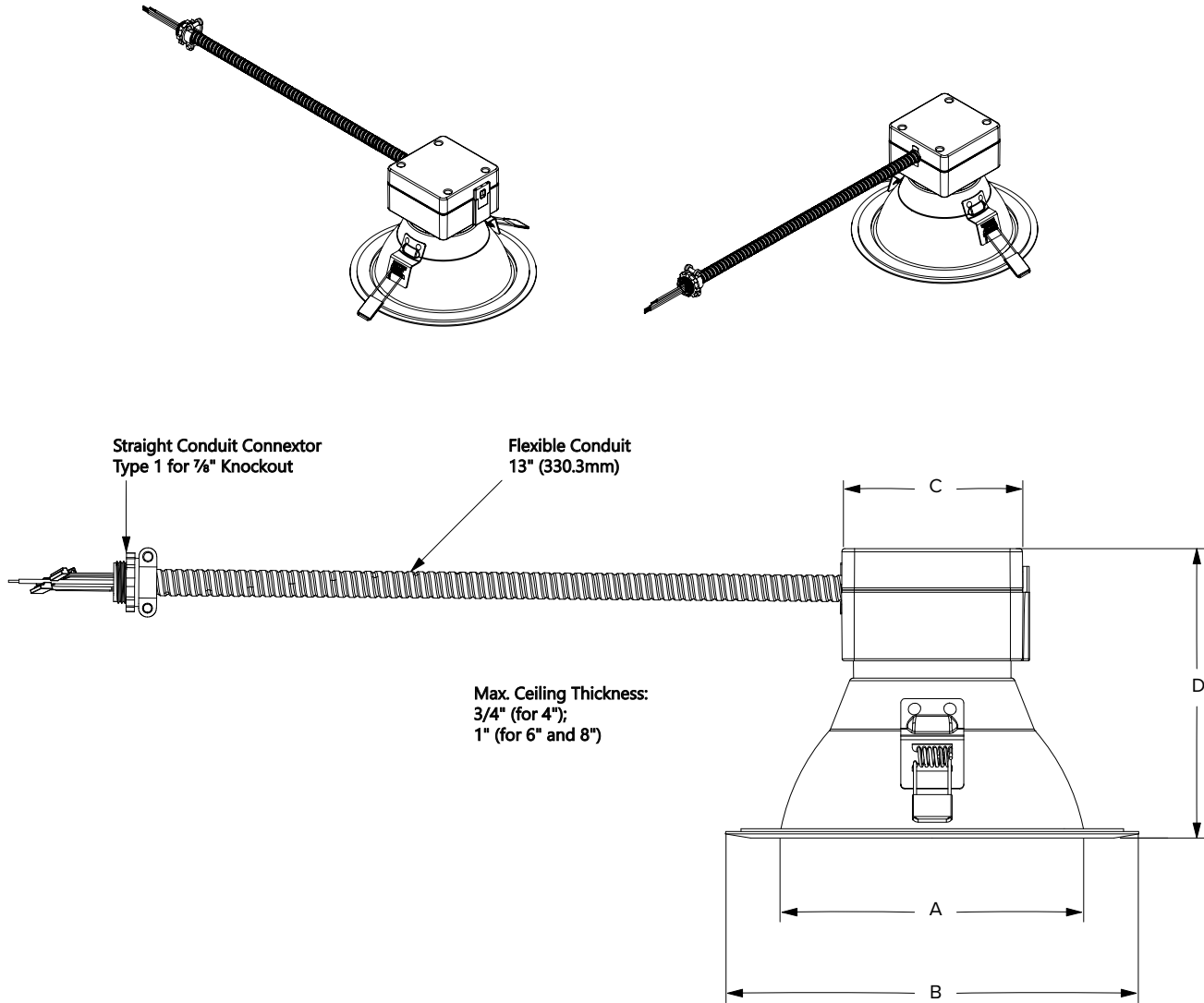1. Default settings are in **BOLD**.
2. EL Emergency Ready must be ordered with EMBB Accessory Kits (see Accessories section for compatibility details).

ACCESSORIES

All Accessories are ordered separately

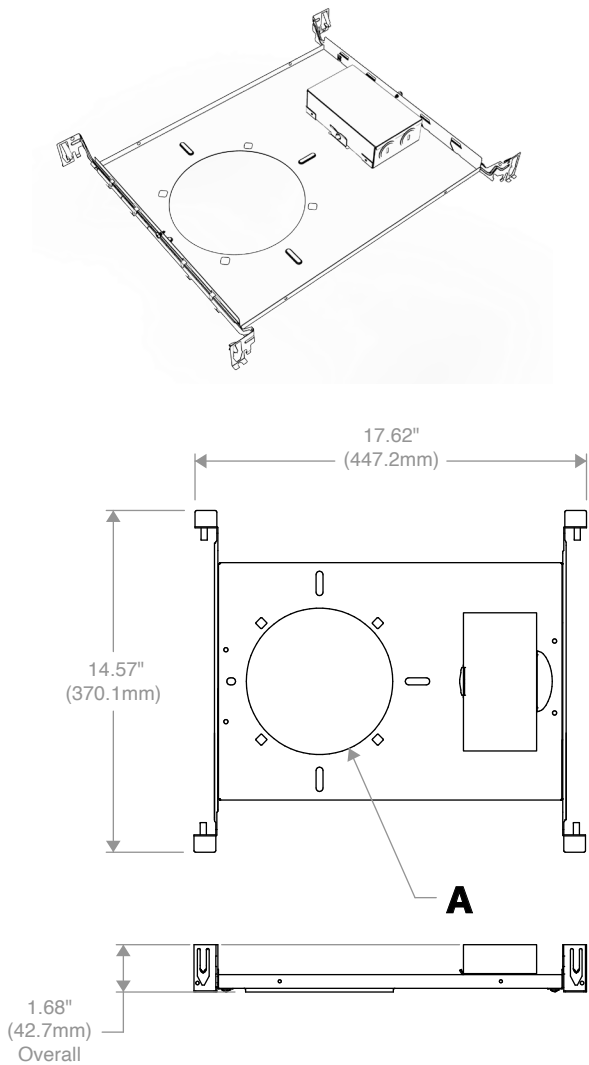| CATALOG STRING	PRODUCT DESCRIPTION	NOTES
FRAME KITS		
FRAME-4R-HB/J-BOX	Frame Kit, New Construction, 4" Round	Includes J-Box and Bar Hangers
FRAME-6R-HB/J-BOX	Frame Kit, New Construction, 6" Round	Includes J-Box and Bar Hangers
FRAME-8-HB/J-BOX	Frame Kit, New Construction, 8" Round	Includes J-Box and Bar Hangers
EMERGENCY BATTERY BACKUP KITS		
FRAME4REL07	Frame Kit, New Construction, Emergency Battery Backup, 4" Round	Includes J-Box and Bar Hangers
FRAME6REL07	Frame Kit, New Construction, Emergency Battery Backup, 6" Round	Includes J-Box and Bar Hangers
FRAME8EL07	Frame Kit, New Construction, Emergency Battery Backup, 8" Round	Includes J-Box and Bar Hangers
LDEMBBKIT07	Emergency Battery Backup Kit, Remote Mount	
COLOR TRIM RINGS		
LRXTRIMR4WH	Trim Ring, Snap-In, 4" Round, White	Non-Conductive
LRXTRIMR4BL	Trim Ring, Snap-In, 4" Round, Black	Non-Conductive
LRXTRIMR4SV	Trim Ring, Snap-In, 4" Round, Silver	Non-Conductive
LRXTRIMR6WH	Trim Ring, Snap-In, 6" Round, White	Non-Conductive
LRXTRIMR6BL	Trim Ring, Snap-In, 6" Round, Black	Non-Conductive
LRXTRIMR6SV	Trim Ring, Snap-In, 6" Round, Silver	Non-Conductive
LRXTRIMR8WH	Trim Ring, Snap-In, 8" Round, White	Non-Conductive
LRXTRIMR8BL	Trim Ring, Snap-In, 8" Round, Black	Non-Conductive
LRXTRIMR8SV	Trim Ring, Snap-In, 8" Round, Silver	Non-Conductive
QUICK CONNECT KIT		
LDQCKIT	Kit, Quick Connect with Wiring Compartment	

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LUMINATION® FLEX DOWNLIGHTS

Straight Conduit Connextor
Type 1 for ⅞" Knockout

Flexible Conduit
13" (330.3mm)

Max. Ceiling Thickness:
3/4" (for 4");
1" (for 6" and 8")

APERTURE	CEILING CUTOUT MIN.–MAX.
4"	4.7" ~ 5.0" (119.4mm ~ 127.0mm)
6"	6.0" ~ 6.7" (152.4mm ~ 170.2mm)
8"	7.8" ~ 8.8" (198.1mm ~ 223.5mm)

NOMINAL APERTURE	"A" APERTURE DIAMETER	"B" OVERALL TRIM DIAMETER	"C" OVERALL MODULE HEAT SINK	"D" OVERALL HEIGHT (ASSEMBLED)
4"	3.98" (101.2mm)	5.6" (142.3mm)	3.40" (86.4mm)	4.68" (118.8mm)
6"	5.59" (141.9mm)	7.75" (196.8mm)	3.40" (86.4mm)	5.43" (137.8mm)
8"	7.43" (188.6mm)	9.75" (247.6mm)	3.40" (86.4mm)	6.02" (152.8mm)

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CUSTOMER NAME

Project Name

Date   Type

Catalog Number

OPTIONAL FRAME KITS

17.62"
(447.2mm)

14.57"
(370.1mm)

A

1.68"
(42.7mm)
Overall

ACCESSORY	DESCRIPTION	"A" DIAMETER
FRAME-4R-HB/J-BOX	4" Round	4.88" (123.8mm)
FRAME-6R-HB/J-BOX	6" Round	6.63" (168.3mm)
FRAME-8-HB/J-BOX	8" Round	8.07" (205mm)

PERFORMANCE TABLE

NOMINAL APERTURE	SWITCHABLE LUMEN SETTING	NOMINAL LUMENS	CAT #	CCT	CRI	DELIVERED LUMENS	WATTS	LPW
4"	Low	750	LRXR41X9SW	27K		773	8.8W	88
				30K		780	8.8W	89
				35K		787	8.8W	90
				40K		795	8.7W	92
				50K		807	8.8W	92
	Med	1100		27K		1090	12.8W	85
				30K		1105	12.8W	86
				35K		1119	12.8W	87
				40K		1133	12.9W	88
				50K		1153	12.9W	89
	High	1500		27K		1521	18.9W	80
				30K		1539	19.1W	81
				35K		1560	19.1W	82
				40K		1572	19.1W	83
				50K		1583	19.1W	83
6"	Low	1100	LRXR62X9SW	27K	90	1160	13.4W	87
				30K		1183	13.4W	89
				35K		1205	13.3W	91
				40K		1227	13.3W	92
				50K		1258	13.3W	95
	Med	1500		27K		1470	17.4W	84
				30K		1506	17.5W	86
				35K		1540	17.5W	88
				40K		1570	17.5W	90
				50K		1613	17.5W	92
	High	2500		27K		2351	30.8W	76
				30K		2403	30.8W	78
				35K		2455	30.7W	80
				40K		2502	30.7W	82
				50K		2543	30.5W	83
8"	Low	3000	LRXR84X9SW	27K		3032	29.7W	102
				30K		3074	29.8W	103
				35K		3096	29.8W	104
				40K		3118	29.7W	105
				50K		3132	29.5W	106
	Med	4000		27K		3973	41.5W	96
				30K		4011	41.4W	97
				35K		4074	41.5W	98
				40K		4101	41.6W	99
				50K		4116	41.5W	99
	High	4600		27K		4477	48.7W	92
				30K		4527	48.6W	93
				35K		4568	48.5W	94
				40K		4596	48.4W	95
				50K		4611	48.2W	96

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CUSTOMER NAME

Project Name _____

Date _____   Type _____

Catalog Number _____

Photometric Data

4" Round
3000K
1500 LM
Selectable
LRXR41X9SW
Beam Angle: 90°
Spacing Criterion: 1.14

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	914	59.4
0-60	1383	89.9
0-90	1539	100.0
0-180	1539	100.0
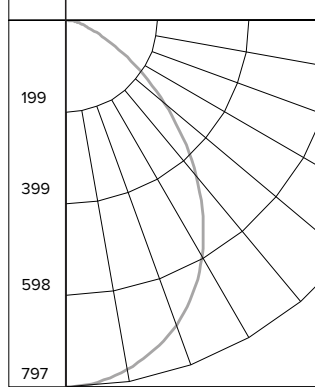
CANDELA DISTRIBUTION

Degree	Candela
0	797
5	790
15	744
25	657
35	522
45	362
55	208
65	94
75	42
85	10

LUMINANCE DATA*

Vertical Angle	Average
45°	63029
55°	44731
65°	27368
75°	19860
85°	14525

*Candela/Square Meter

6" Round
3000K
2500 LM
Selectable
LRXR62X9SW
Beam Angle: 90°
Spacing Criterion: 1.14

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1464	60.9
0-60	2194	91.3
0-90	2403	100.0
0-180	2403	100.0
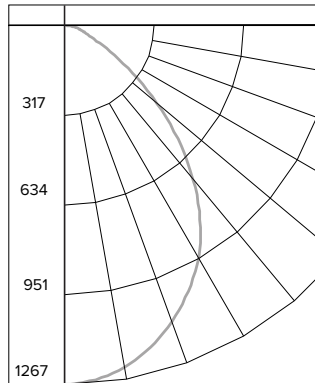
CANDELA DISTRIBUTION

Degree	Candela
0	1267
5	1255
15	1178
25	1037
35	840
45	571
55	298
65	117
75	58
85	15

LUMINANCE DATA*

Vertical Angle	Average
45°	44257
55°	28493
65°	15117
75°	12283
85°	9402

*Candela/Square Meter

8" Round
3000K
4600 LM
Selectable
LRXR84X9SW
Beam Angle: 90°
Spacing Criterion: 1.12

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2753	60.8
0-60	4189	92.5
0-90	4527	100
0-180	4527	100
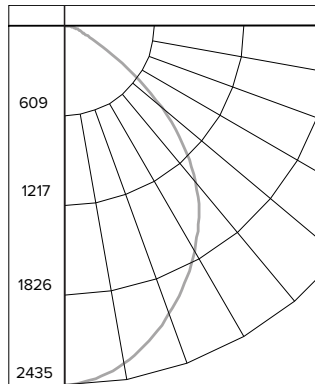
CANDELA DISTRIBUTION

Degree	Candela
0	2435
5	2407
15	2222
25	1940
35	1608
45	1156
55	600
65	198
75	92
85	24

LUMINANCE DATA*

Vertical Angle	Average
45°	50384
55°	32245
65°	14448
75°	10910
85°	8482

*Candela/Square Meter

Dimmer Compatibility List

Important Notice

Because dimming equipment, applications, and conditions of use are many, varied, and beyond Current's control, this information necessarily is based on limited samples sizes and testing. This list only included dimmers that have been tested with the Current's luminaires listed. There may be other dimmers on the market that are compatible with these Current's luminaires. If you have a question about a particular dimmer that is not on the list, please contact Current to see if the model has been tested, or to arrange testing.

1. Adjust the dimmer to the lowest setting.
2. Locate the trim adjustment and set to the lowest light level where the light output is stable.
3. Turn fixture off and on to ensure proper operation. If it is not operating as expected, adjust the trim up slightly and retest.

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