



Flex Series

Recessed Canless Downlight

The **Flex Downlight Series** is designed to satisfy a wide range of general illumination applications up to 6000 lumens. Available in 4", 6", 8" and 10" apertures with selectable lumen and CCT for easy changes at installation. The integral 120–347V 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 3.4 lbs (1.54 kg)
Optical Assembly:	Custom engineered reflectors for wide distribution

CONTROLS

Dimming: Tri-Dimming 0–10V to 5% and ELV/Triac Phase Dimming to 10%

OPTICAL SYSTEM

Lumens:	Selectable, 850–6000 lm See ordering logic below
Distribution:	Very Wide (90°) with 1:1 Spacing Criteria
Efficacy:	Up to 126 LPW
CCT:	Selectable 2700K/3000K/ 3500K /4000K/5000K <i>Bold indicates switch default</i>
CRI:	90 CRI

AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
Operating Temperature	-20° C to 25° C (standard models) 0° C to 25° C (models with LDEMBKIT)

LUMEN MAINTENANCE

L80 > 54,000 hrs

ELECTRICAL

Input Voltage:	120–347V
Input Frequency:	50/60Hz
Power Factor (PF)*:	PF>0.9
Total Harmonic Distortion (THD)*:	<20%
Emergency:	Emergency ready standard offering, see installation instructions for more information

* PF and THD may vary with options

MOUNTING

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

DESIGN LIFE & WARRANTY

- cCSAus Listed, 4" model IC rated; 6", 8" and 10" models are Non-IC; Air-tight, JA-8 (4" only)
- **Current's Limited 5-year Warranty:** Please see website.



MODULE ORDERING INFORMATION

LRX3 -

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9**SW**

FAMILY	SHAPE/SIZE	LUMENS¹	CRI	CCT	DIMMING
LRX3 = Lumination® Flex Downlight	R4 = 4" Round Downlight	1X = 850/1250/1650	9 = 90	SW = Selectable CCT (2700K/3000K/ 3500K /4000K/5000K)	Standard with Tri-Dimming 0-10V to 5% and ELV/Triac Phase Dimming to 10%
	R6 = 6" Round Downlight	2X = 1400/1750/2700			
	R8 = 8" Round Downlight	4X = 3300/4300/4800			
	R10 = 10" Round Downlight	5X = 4000/5000/6000			

Notes:

1. Default settings in **BOLD**.

ACCESSORIES

All accessories are ordered separately

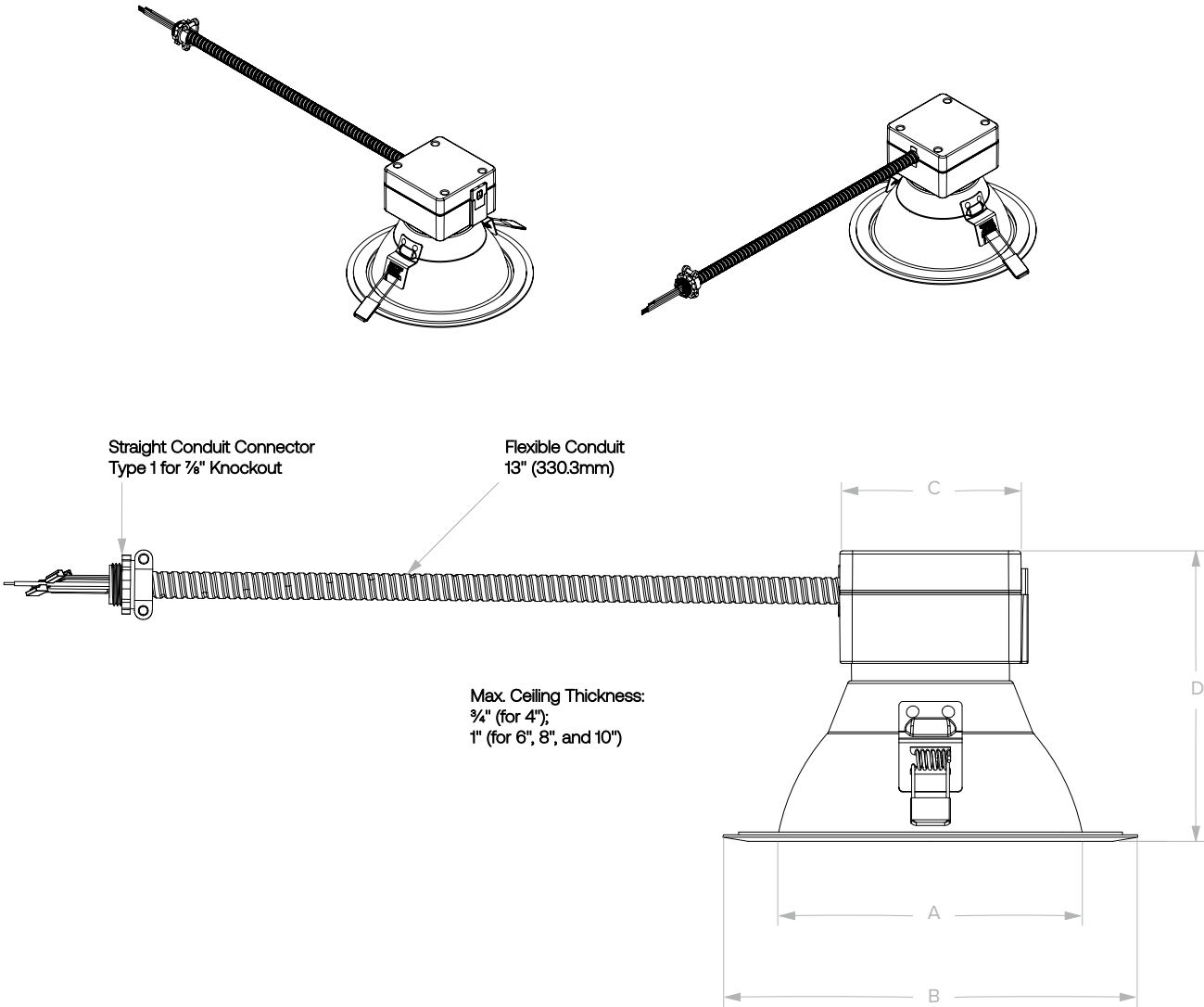
CATALOG STRING	PRODUCT DESCRIPTION	NOTES
FRAME KITS		
FRAME4R-HB	Frame Kit, New Construction, 4" Round	Includes Bar Hangers
FRAME6R-HB	Frame Kit, New Construction, 6" Round	Includes Bar Hangers
FRAME8-HB	Frame Kit, New Construction, 8" Round/Square	Includes Bar Hangers
FRAME10R	Frame Kit, New Construction, 10" Round	Includes Bar Hangers
J-BOX		
J-BOX	Snap-In Junction Box Assembly	For optional use with FRAME KITS listed above. (Ships separately.)
DLP3-QDJBA	Junction Box Quick Connect Kit	For optional use. (Ordered separately.)
EMERGENCY BATTERY BACKUP KITS		
LDEMBKIT	Emergency Battery Backup Kit, Remote Mount	J-BOX is already included as an integral part of this kit.
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
LRXTRIMR4SP	Trim Ring, Snap-In, 4" Round, Specular with White Trim	Non-Conductive
LRXTRIMR4SD	Trim Ring, Snap-In, 4" Round, Semi Diffuse with White Trim	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
LRXTRIMR6SP	Trim Ring, Snap-In, 6" Round, Specular with White Trim	Non-Conductive
LRXTRIMR6SD	Trim Ring, Snap-In, 6" Round, Semi Diffuse with White Trim	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

ACCESSORIES CONTINUED

Trims snap-on to existing fixture flange (field installable)

ROUND					
	WHITE	SILVER	BLACK	SPECULAR WITH WHITE TRIM	SEMI-DIFFUSE WITH WHITE TRIM
					
4"	93159585G LRXTRIMR4WH	93151744 LRXTRIMR4SV	93151745 LRXTRIMR4BL	93151746 LRXTRIMR4SP	93151747 LRXTRIMR4SD
6"	93159586G LRXTRIMR6WH	93059502 LRXTRIMR6SV	93059501 LRXTRIMR6BL	93151752 LRXTRIMR6SP	93151753 LRXTRIMR6SD
8"	93159587G LRXTRIMR8WH	93059504 LRXTRIMR8SV	93059503 LRXTRIMR8BL		

LUMINATION® FLEX DOWNLIGHT DIMENSIONS



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)
10"	9.8" ~ 10.8" (248.9mm ~ 274.3mm)

NOMINAL APERTURE	"A" APERTURE DIAMETER	"B" OVERALL TRIM DIAMETER	"C" OVERALL MODULE HEAT SINK	"D" OVERALL HEIGHT (ASSEMBLED)
4"	3.98" (101.2mm)	5.60" (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)
10"	9.90" (251.5mm)	12.0" (305mm)	3.40" (86.4mm)	6.81" (173.1mm)

Lumination®

Flex Series

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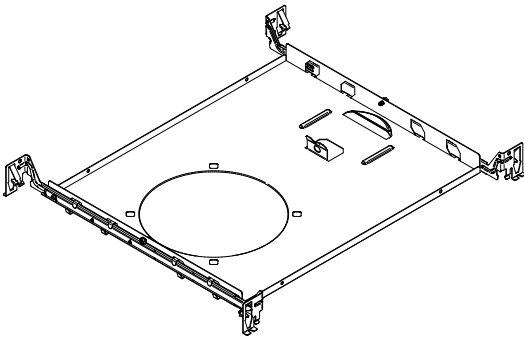
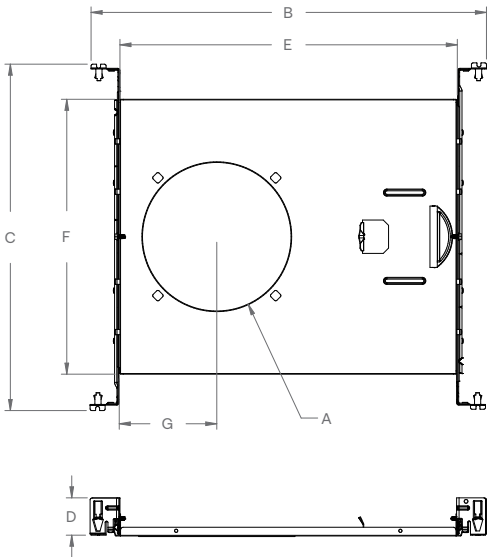
CUSTOMER NAME

Project Name _____

Date _____ Type _____

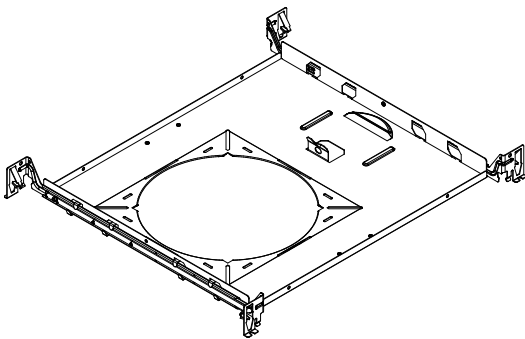
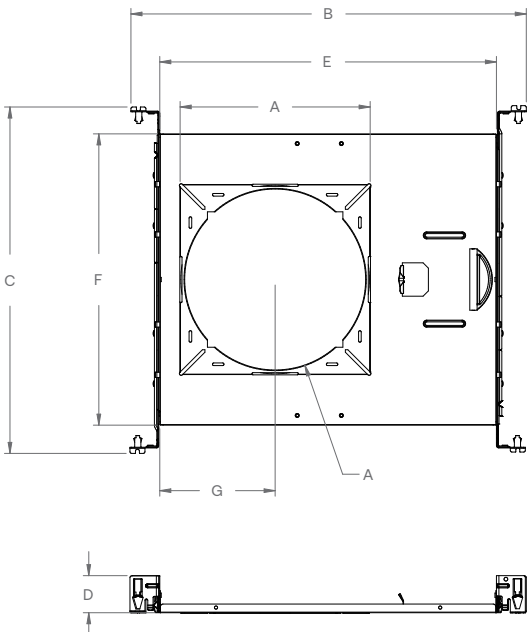
Catalog Number _____

4" and 6" Round Frame Dimensions



CATALOG NUMBER	"A" APERTURE OPENING	"B" OVERALL LENGTH	"C" OVERALL WIDTH	"D" HEIGHT	"E" PAN LENGTH	"F" PAN WIDTH	"G" APERTURE CENTER
FRAME4R-HB	Ø 4.94" (125.5mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.28" (311.9mm)	4.32" (109.7mm)
FRAME6R-HB	Ø 6.64" (168.7mm)						

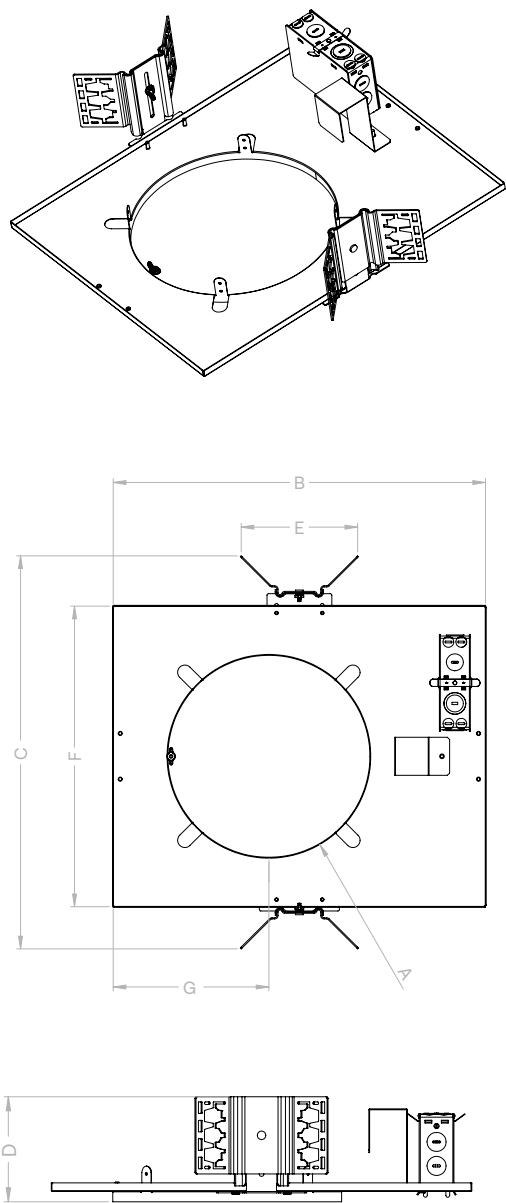
8" Round/Square Frame Dimensions



Note:
The 8" Frame ships ready to accept round aperture trims but can be converted in the field for square aperture by snipping corners and bending at breakaway score lines.

CATALOG NUMBER	"A" APERTURE OPENING	"B" OVERALL LENGTH	"C" OVERALL WIDTH	"D" HEIGHT	"E" PAN LENGTH	"F" PAN WIDTH	"G" APERTURE CENTER
FRAME8-HB	Ø 8.07" (205mm) □ 8.46" (214.9mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.99" (329.9mm)	5.14" (130.6mm)

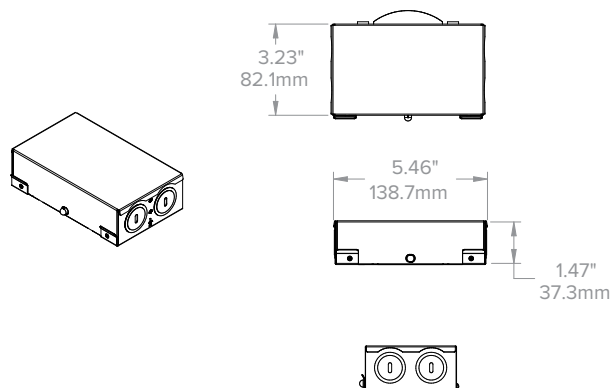
10" Round Frame Dimensions



CATALOG NUMBER	"A" APERTURE OPENING	"B" OVERALL LENGTH	"C" OVERALL WIDTH	"D" HEIGHT	"E" MOUNTING BAR BRACKET	"F" PAN WIDTH	"G" APERTURE CENTER
FRAME10R	Ø 10.43" (265mm)	19.29" (490mm)	19.89" (505.3mm)	4.82" (122.5mm)	6.10" (155mm)	15.59" (396mm)	8.07" (205mm)

Junction Box and Emergency Battery Dimensions

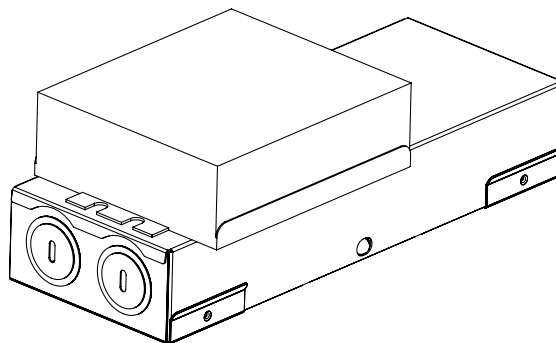
SNAP-IN JUNCTION BOX ACCESSORY



Snap-In Junction Box Accessory (J-BOX)

(Optional if needed or required per local code)

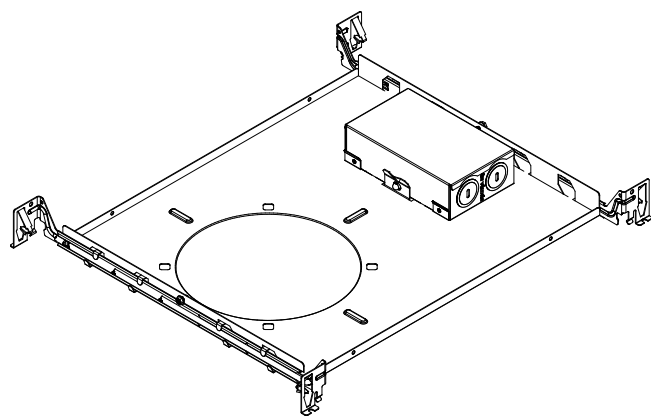
EMERGENCY BATTERY BACKUP KIT ACCESSORY



Emergency Battery Backup Accessory Kit (LDEMBBKIT)

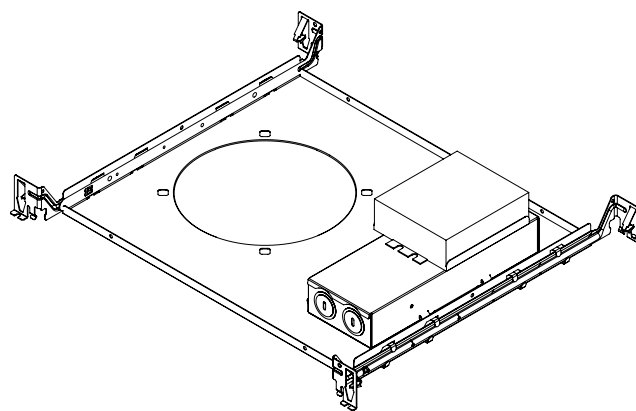
Overall dimensions:

8.81" (223.8mm) L x 3.74" (95.0 mm) W x 2.86" (72.6mm) H



Frame and Junction Box Example

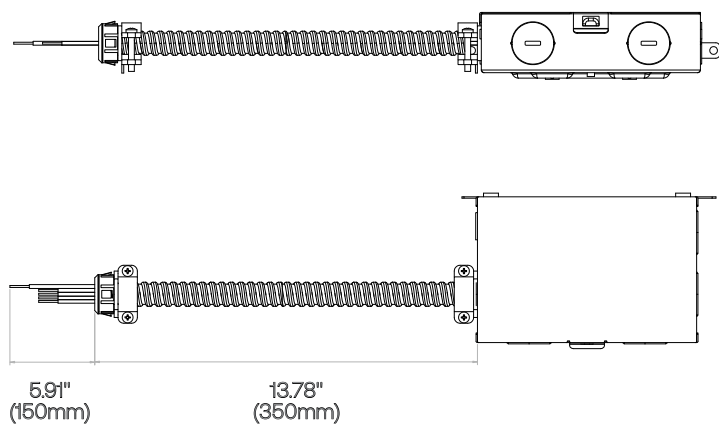
FRAME6R-HB and J-BOX
(ordered separately)



Emergency Battery Backup and Frame Example

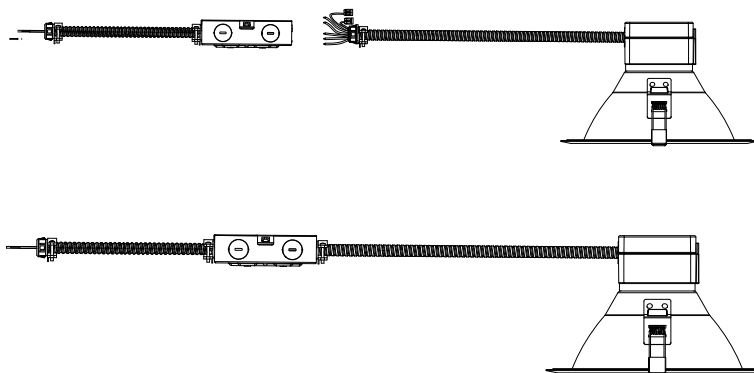
FRAME6R-HB and LDEMBBKIT
(ordered separately)

Junction Box Quick Connect Kit (DLP3-QDJBA) Dimensions



Junction Box Quick Connect Kit (DLP3-QDJBA)

(Optional, ordered separately)



Junction Box Quick Connect Example

DLP3-QDJBA

(ordered separately, see installation guide for more information)

PERFORMANCE TABLE

NOMINAL APERTURE	SWITCHABLE LUMEN SETTING	NOMINAL LUMENS	CAT #	CCT	CRI	DELIVERED LUMENS	WATTS	LPW
4"	Low	850	LRX3-R41X9SW	27K	90	819	8.8W	94
				30K		831	8.8W	95
				35K		844	8.8W	96
				40K		857	8.8W	98
				50K		871	8.7W	100
	Med	1250		27K		1209	13.5W	89
				30K		1233	13.6W	91
				35K		1252	13.6W	92
				40K		1276	13.6W	94
				50K		1290	13.6W	95
	High	1650		27K		1581	18.8W	84
				30K		1612	18.8W	86
				35K		1693	18.9W	87
				40K		1668	18.9W	88
				50K		1705	19.1W	89
6"	Low	1400	LRX3-R62X9SW	27K		1405	14.4W	98
				30K		1426	14.4W	99
				35K		1451	14.4W	101
				40K		1479	14.4W	103
				50K		1512	14.3W	105
	Med	1750		27K		1755	18.6W	94
				30K		1787	18.6W	96
				35K		1819	18.7W	98
				40K		1855	18.7W	99
				50K		1898	18.7W	101
	High	2700		27K		2637	30.8W	86
				30K		2682	30.7W	87
				35K		2720	30.7W	89
				40K		2765	30.7W	90
				50K		2773	30.8W	90

PERFORMANCE TABLE CONTINUED

NOMINAL APERTURE	SWITCHABLE LUMEN SETTING	NOMINAL LUMENS	CAT #	CCT	CRI	DELIVERED LUMENS	WATTS	LPW
8"	Low	3300	LRX3-R84X9SW	27K	90	3414	31.4W	109
				30K		3428	31.3W	110
				35K		3457	31.2W	111
				40K		3475	31.2W	112
				50K		3496	31.1W	113
	Med	4300		27K		4364	42.7W	102
				30K		4408	42.8W	103
				35K		4456	42.9W	104
				40K		4526	43.1W	105
				50K		4560	43.2W	106
	High	4800		27K		4746	47.8W	99
				30K		4776	47.7W	100
				35K		4805	47.5W	101
				40K		4829	47.4W	102
				50K		4901	48.1W	102
10"	Low	4000	LRX3-R105X9SW	27K		4038	37.0W	109
				30K		4176	36.8W	113
				35K		4406	36.2W	122
				40K		4567	36.3W	126
				50K		4595	37.1W	124
	Med	5000		27K		4900	46.1W	106
				30K		5067	45.8W	111
				35K		5346	45.1W	119
				40K		5547	45.2W	123
				50K		5575	46.2W	121
	High	6000		27K		5615	55.7W	101
				30K		5810	55.3W	105
				35K		6129	54.4W	113
				40K		6356	54.5W	117
				50K		6388	55.8W	115

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

PHOTOMETRIC DATA

4" Round

3000K

High Setting (1650 LM)

Selectable

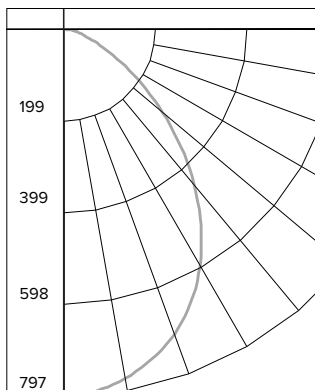
LRX3-R41X9SW

Beam Angle: 85°

Spacing Criterion: 1:14

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1008	60.5
0-60	1501	90.0
0-90	1667	100.0
0-180	1667	100.0



CANDELA DISTRIBUTION

Degree	Candela
0	857
5	849
15	807
25	726
35	588
45	390
55	210
65	97
75	44
85	12

LUMINANCE DATA*

Vertical Angle	Average
45°	109578
55°	72772
65°	45850
75°	34106
85°	26467

*Candela/Square Meter

6" Round

3000K

High Setting (2700 LM)

Selectable

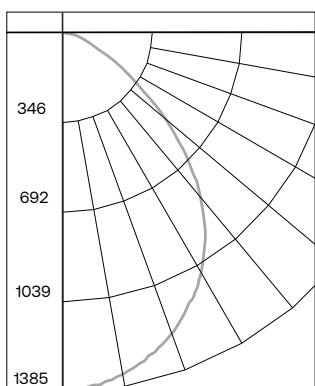
LRX3-R62X9SW

Beam Angle: 85°

Spacing Criterion: 1:14

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1630	59.8
0-60	2482	91.1
0-90	2724	100.0
0-180	2724	100.0



CANDELA DISTRIBUTION

Degree	Candela
0	1378
5	1359
15	1285
25	1149
35	955
45	671
55	364
65	139
75	65
85	17

LUMINANCE DATA*

Vertical Angle	Average
45°	120687
55°	80681
65°	41790
75°	31850
85°	24153

*Candela/Square Meter

PHOTOMETRIC DATA CONTINUED

8" Round

3000K

High Setting (4800 LM)

Selectable

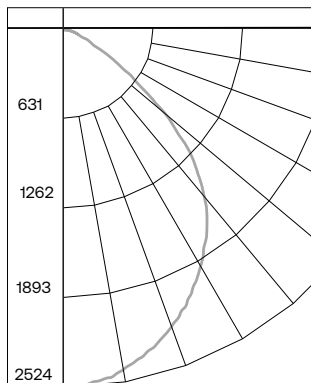
LRX3-R84X9SW

Beam Angle: 90°

Spacing Criterion: 1.12

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2962	60.4
0-60	4536	92.4
0-90	4908	100.0
0-180	4908	100.0



CANDELA DISTRIBUTION

Degree	Candela
0	2506
5	2474
15	2329
25	2082
35	1758
45	1289
55	633
65	225
75	99
85	27

LUMINANCE DATA*

Vertical Angle	Average
45°	161113
55°	97575
65°	47142
75°	33817
85°	27005

*Candela/Square Meter

10" Round

3000K

High Setting (6000 LM)

Selectable

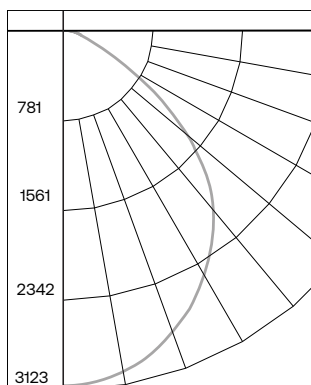
LRX3-R105X9SW

Beam Angle: 90°

Spacing Criterion: 1.12

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	3732	57.6
0-60	5950	91.9
0-90	6478	100.0
0-180	6478	100.0



CANDELA DISTRIBUTION

Degree	Candela
0	3089
5	3076
15	2916
25	2635
35	2247
45	1738
55	978
65	319
75	135
85	39

LUMINANCE DATA*

Vertical Angle	Average
45°	139022
55°	96433
65°	42646
75°	29519
85°	25201

*Candela/Square Meter

Lumination®

Flex Series

Recessed Canless Downlight

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

Additional Information

Dimming Compatibility

For more details and recommended dimmer list, see Dimming Compatibility Information on led.com/lumination.