



Lumination® LRXB Series

New Construction, Remodel & Retrofit Downlight



CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

The **Lumination® LRXB Series** is a specifiable downlight for retrofit and new construction applications. The LRXB series is available in round and square form factors with five aperture options ranging from 4in to 12in. The LRXB series features field-selectable lumen and CCT options, combined emergency/non-emergency functionality, adapter rings, and a variety of reflector and trim finishes, making it a versatile solution for commercial spaces.

ProLine®

CONSTRUCTION

Housing:	Minimum 16 gauge spun aluminum reflector housing
Lens:	Custom engineered reflectors for wide distributions.
Paint:	Powder coat painted
Weights:	Up to 4.6 pounds
Optical Assembly:	Custom engineered reflectors for wide distribution; Semi-diffuse diffuse for ideal combination of optical efficiency and uniformity

OPTICAL SYSTEM

Lumens:	650–6000lm, selectable per ordering logic below
Distribution:	Very Wide (90°), [Wall Wash- coming soon]
Efficacy:	Up to 105 LPW
CCT:	Selectable Warm White in 2700K/3000K/ 3500K Selectable Cool White in 3500K/ 4000K /5000K <i>Bold indicates switch default</i>
CRI:	90 CRI/50 R9

ELECTRICAL

Input Voltage:	120–277V, 347V kit
Input Frequency:	50/60Hz
Power Factor (PF)*:	PF>0.9
Total Harmonic Distortion (THD)*:	<20%

* PF and THD may vary with options

CONTROLS

Dimming:	Standard 0–10V, Dimming 10%,
Controls:	Daintree® Compatible w/ Controls Kit (see Ordering for additional info)

AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
Operating Temperature	–10° to +40° C

LUMEN MAINTENANCE

LXX(10K) @ Hours
L90@60,000HR

MOUNTING

- **New Construction:** Direct mount, or with Frame kit installed on drywall or T-Grid
- **Retrofit:** Spring clips clamp on to existing frame or direct mount to ceiling structure
- Refer to Installation Guide for more information

DESIGN LIFE & WARRANTY

- UL Wet rated, IC rated up to 1800lm; Air-tight rated, JA-8
- **Current's Limited 5-year Warranty:**
Please refer to document [IND599](#) for more information.



ORDERING INFORMATION

- One-Piece unit is White Painted. Color options are available in the Accessories section
- For New Construction applications an optional FRAME Kit and/or Hanger Bars is available in the Accessories section
- Emergency Battery Back-Up kits are required to complete an Emergency Lighting (EL) System, available in Accessories. Each downlight is EL-capable

LRX	B		X			
FAMILY	GENERATION	SHAPE/SIZE	LUMENS ⁴	CRI	CCT ⁶	DIMMING
LRX = Lumination® LRX Series Downlight	B ^{1,2} = Next Generation	R4 = 4" Round Downlight	1X ³ = 650/1000 Series	9 = 90	WW = Selectable 2700K/3000K/3500K CW = Selectable 3500K/4000K/5000K	VQ = 0–10V, 10% dimming
		S4 = 4" Square Downlight				
		R6 = 6" Round Downlight	1X ³ = 1800/1000/650 Series			
		S6 = 6" Square Downlight				
		R8 = 8" Round Downlight	1X ³ = 1800/1000/650 Series			
		S8 = 8" Square Downlight	3X ⁴ = 3000 Series			
		R10 = 10" Round Downlight	6X ⁵ = 6000/5000/4000 Series			
		R12 = 12" Round Downlight	6X ⁵ = 6000/5000/4000 Series			

Notes:

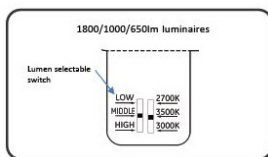
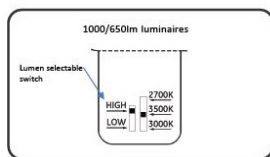
1. Fixtures are Non-EL/EL compatible
2. For EL fixtures use EMBB Kit in Accessories

3. Default to 1000lm

4. Please refer to performance table on page 7 for detail lumen output.

5. Default to 6000

6. WW default is 3500K; CW default is 4000K



Selectable Driver Package:

Lumination® LRX Series comes with both selectable lumen and CCT which allows customers to manually switch from full power to lower power and desired CCT level with just the switch of a button. This affords flexibility to stock fewer SKUs and reduces install risk by effectively having multiple lumen levels and CCT in one simple package.

All Accessories are ordered separately

HANGER BARS

QuickShip

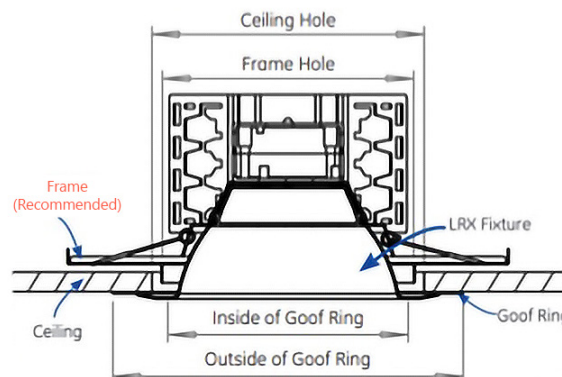
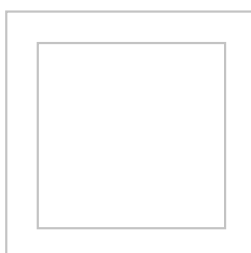
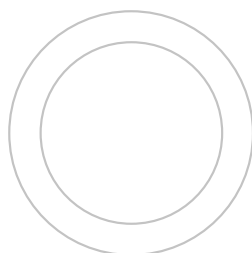
MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93110306	BH3 - 2 bars required per fixture	Hanger Bars, C-Channel - 25 1/4" (Boxed Pair)

REMODEL (GOOF) RINGS

QuickShip

Notes: Please check the compatibility of the goof ring and the fixture by referring to the table below.

A. FOR RETROFIT							
GOOF RING SKU	GOOF RING DESCRIPTION	GOOF RING SHAPE	SUITABLE FIXTURE	SUITABLE FRAME HOLE SIZE (IN.)	INSIDE OF GOOF RING SIZE (IN.)	OUTSIDE OF GOOF RING SIZE (IN.)	MAX CEILING HOLE SIZE (IN.)
93114516	GRRX4R6PTWT	ROUND	LRX(B)R4XXXXXX	4.50–5.00	4.48	7.09	6.50
93114517	GRRX4S6PTWT	SQUARE	LRX(B)S4XXXXXX	4.50–5.00	4.48	7.09	6.50
93114518	GRRX6R8PTWT	ROUND	LRX(B)R6XXXXXX	6.00–6.70	6.18	9.00	8.40
93114519	GRRX6S8PTWT	SQUARE	LRX(B)S6XXXXXX	6.00–6.70	6.22	8.98	8.40
93114520	GRRX8R10PTWT	ROUND	LRX(B)R8XXXXXX	8.00–9.00	7.87	10.50	9.70
93114521	GRRX8S10PTWT	SQUARE	LRX(B)S8XXXXXX	8.00–9.00	8.23	10.98	10.10
93114522	GRRX8R12PTWT	ROUND	LRX(B)R8XXXXXX	8.00–9.00	7.87	12.99	12.20
93114523	GRRX8S12PTWT	SQUARE	LRX(B)S8XXXXXX	8.00–9.00	8.23	12.99	12.20
B. FOR NEW CONSTRUCTION							
GOOF RING SKU	GOOF RING DESCRIPTION	GOOF RING SHAPE	SUITABLE FIXTURE	SUITABLE FRAME	INSIDE OF GOOF RING SIZE (IN.)	OUTSIDE OF GOOF RING SIZE (IN.)	MAX CEILING HOLE SIZE (IN.)
93114516	GRRX4R6PTWT	ROUND	LRX(B)R4XXXXXX	FRAME4RXXXX	4.48	7.09	6.50
93114517	GRRX4S6PTWT	SQUARE	LRX(B)S4XXXXXX	FRAME4SXXXX	4.48	7.09	6.50
93114518	GRRX6R8PTWT	ROUND	LRX(B)R6XXXXXX	FRAME6RXXXX	6.18	9.00	8.40
93114519	GRRX6S8PTWT	SQUARE	LRX(B)S6XXXXXX	FRAME6SXXXX	6.22	8.98	8.40
93114520	GRRX8R10PTWT	ROUND	LRX(B)R8XXXXXX	FRAME8RXXXX	7.87	10.50	9.70
93114521	GRRX8S10PTWT	SQUARE	LRX(B)S8XXXXXX	FRAME8SXXXX	8.23	10.98	10.10
93114522	GRRX8R12PTWT	ROUND	LRX(B)R8XXXXXX	FRAME8RXXXX	7.87	12.99	12.20
93114523	GRRX8S12PTWT	SQUARE	LRX(B)S8XXXXXX	FRAME8SXXXX	8.23	12.99	12.20



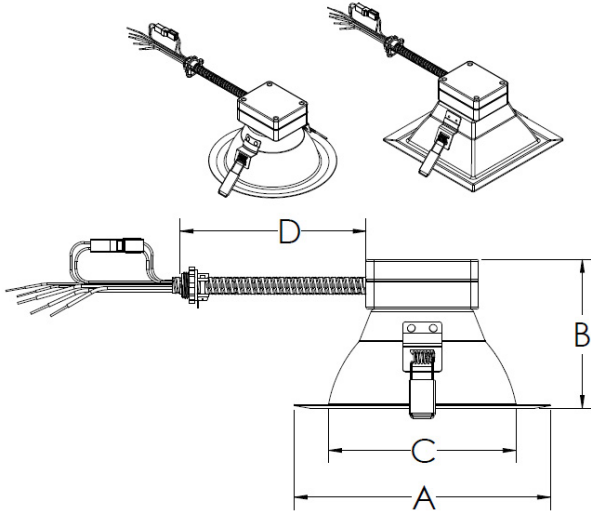
Installation Position

FRAME KITS, EMBB, CONTROLS **QuickShip**

PRODUCT DESCRIPTION	MATERIAL DESCRIPTION	MATERIAL	NOTES
EMBB KITS			
Retrofit Emergency Battery Back-up Kit 10W (LRXB)	LRXEMBBKIT10B	93154382	
New Construction Emergency Battery Back-up Frame Kit 10W (4" Round LRXB)	FRAME4REL10B	93158421	
New Construction Emergency Battery Back-up Frame Kit 10W (4" Square LRXB)	FRAME4SEL10B	93158422	
New Construction Emergency Battery Back-up Frame Kit 10W (6" Round LRXB)	FRAME6REL10B	93158423	
New Construction Emergency Battery Back-up Frame Kit 10W (6" Square LRXB)	FRAME6SEL10B	93158424	
New Construction Emergency Battery Back-up Frame Kit 10W (8" Round LRXB)	FRAME8REL10B	93158425	
New Construction Emergency Battery Back-up Frame Kit 10W (8" Square LRXB)	FRAME8SEL10B	93158426	
New Construction Emergency Battery Back-up Frame Kit 10W (10" Round LRXB)	FRAME10REL10B	93158427	
New Construction Emergency Battery Back-up Frame Kit 10W (12" Round LRXB)	FRAME12REL10B	93158428	
FRAME KITS			
New Construction Round Frame Kit 4" Round	FRAME4R	93090208	Includes Frame with JBox, adjustable butterfly brackets & Remote test switch; Hanger Bars ordered separately.
New Construction Round Frame Kit 4" Square	FRAME4S	93090209	
New Construction Round Frame Kit 6" Round	FRAME6R	93025091	
New Construction Round Frame Kit 6" Square	FRAME6S	93045426	
New Construction Round Frame Kit 8" Round	FRAME8R	93025092	
New Construction Round Frame Kit 8" Square	FRAME8S	93045427	
New Construction Round Frame Kit 10" Round	FRAME10R	93124880	
New Construction Round Frame Kit 12" Round	FRAME12R	93124881	
CONTROLS KITS			
Daintree® Controls Accessory Kit	LCAMBA0TQFM	93057194	Module G included; Refer to LCA literature and installation guide; Sensor not included
Sensor Accessory Kit - Daintree® Networked	LCAMBA0SQFM, + LSAATZFM6	93095787, + 93098473	WIZ100 sensor included; Refer to LCA + LSA literature and installation guide
Sensor Accessory Kit- Daintree® EZ Connect & Daintree® One	LCAMBA0SQFM, + LSAATT/T1FM6	93095787, + 93098472	WIT100 sensor included; Refer to LCA + LSA literature and installation guide
OTHER ACCESSORIES			
347V Kit	LRXB347V277	93154384	347v Transformer Quick Connect Kit
Hanger Bar, C-Channel, 25-1¼" (Boxed Pair)	BH3	93110306	Recommended For New Construction Applications

LUMINATION® LRX SERIES COLORED ROUND TRIM OPTIONS
Trims snap-on to existing fixture flange (Field Installable)

ROUND					SQUARE			
SILVER	BLACK	SPECULAR WITH WHITE TRIM	SEMI-DIFFUSE WITH WHITE TRIM	SEMI-DIFFUSE WITH MATCHING TRIM	SILVER	BLACK	SPECULAR WITH WHITE TRIM	SEMI-DIFFUSE WITH WHITE TRIM
								
4"	93151744 LRXTRIMR4SV	93151745 LRXTRIMR4BL	93151746 LRXTRIMR4SP	93151747 LRXTRIMR4SD	93151748 LRXTRIMS4SV	93151749 LRXTRIMS4BL	93151750 LRXTRIMS4SP	93151751 LRXTRIMS4SD
6"	93059502 LRXTRIMR6SV	93059501 LRXTRIMR6BL	93151752 LRXTRIMR6SP	93151753 LRXTRIMR6SD	93152569 LRXTRIMR6SA	93151754 LRXTRIMS6SV	93151755 LRXTRIMS6BL	93151756 LRXTRIMS6SP
8"	93059504 LRXTRIMR8SV	93059503 LRXTRIMR8BL						93151757 LRXTRIMS6SD

LUMINATION® LRX SERIES


	SHAPE	FIXTURE	A	B	C	D	SUGGESTED CEILING CUTOUT OR FRAMEKIT HOLE
LRX 0-10V	ROUND	4"	5.60"	3.76"	4.24"	18"	4.5" ~ 5.0"
		6"	7.75"	4.50"	5.90"	18"	6.0" ~ 6.7"
		8"	9.75"	5.10"	7.83"	18"	7.8" ~ 8.8"
		10"	12.00"	5.80"	10.13"	18"	10.2" ~ 11.2"
		12"	14.00"	6.23"	12.05"	18"	12.2" ~ 13.2"
	SQUARE	4"	5.75"	3.76"	4.00"	18"	4.5" ~ 5.0"
		6"	7.75"	4.50"	5.90"	18"	6.0" ~ 6.8"
		8"	9.75"	5.10"	7.86"	18"	8.0" ~ 9.0"

Nominal Lumens

CUSTOMER NAME

Project Name _____

Date _____ Type _____

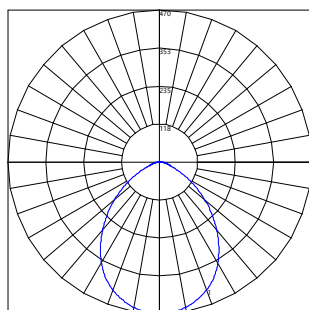
Catalog Number _____

PERFORMANCE TABLE

	DESCRIPTION	CATALOG NUMBERS	WATTAGE	NOMINAL LUMENS				
				2700K	3000K	3500K	4000K	5000K
0-10V (VQ) OPTION	LRXB 4" (1000/650 Series) Round or Square	LRXBR41X9WWVQ LRXBR41X9CWVQ LRXBS41X9WWVQ LRXBS41X9CWVQ	8.5W	650	700	700	750	700
			14W	950	1050	1050	1150	1050
	LRXB 6" (1800/1000/650 Series) Round or Square	LRXBR61X9WWVQ LRXBR61X9CWVQ LRXBS61X9WWVQ LRXBS61X9CWVQ	8.5W	750	800	800	900	850
			13W	1100	1200	1200	1250	1200
			22W	1550	1750	1700	1900	1750
	LRXB 8" (1800/1000/650 Series) Round or Square	LRXBR81X9WWVQ LRXBR81X9CWVQ LRXBS81X9WWVQ LRXBS81X9CWVQ	8.5W	800	850	850	900	850
			13W	1150	1250	1250	1300	1250
			22W	1650	1850	1800	2000	1850
	LRXB 8" (3000 Series) Round or Square	LRXBR83X9WWVQ LRXBR83X9CWVQ LRXBS83X9WWVQ LRXBS83X9CWVQ	37W	2700	3050	2950	3300	3050
	LRXB 10" (6000/5000/4000 Series) Round	LRXBR106X9WWVQ LRXBR106X9CWVQ	42W	3450	3800	3750	4150	4050
			51W	4150	4600	4500	5000	4850
			62W	4800	5450	5250	6000	5700
	LRXB 12" (6000/5000/4000 Series) Round	LRXBR126X9WWVQ LRXBR126X9CWVQ	42W	3600	3950	3900	4250	4150
			51W	4250	4750	4650	5150	5000
			62W	5000	5700	5450	6150	5900

PHOTOMETRIC DATA:

4" Round LRX
 1000/650 Series
 LRXBR41X9WWVQ



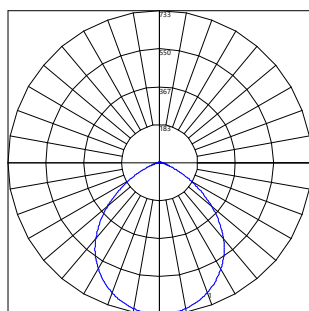
Maximum Candela = 470
 Located At Horizontal Angle = 0, Vertical Angle = 0

1 Vertical Plane
 Through Horizontal Angles (0-180)
 (Through Max. Cd.)

ZONE	LUMENS
0-10	44.28
10-20	124.77
20-30	181.79
30-40	199.33
40-50	176.27
50-60	123.78
60-70	62.90
70-80	27.11
80-90	7.69

ZONE	LUMENS	% OF FIXTURE
0-20	169.06	17.80
0-30	350.85	36.90
0-40	550.18	57.90
0-60	850.24	89.50
0-80	940.25	99.00
0-90	947.94	99.80
10-90	903.66	95.10
20-40	381.12	40.10
20-50	557.40	58.70
40-70	362.96	38.20
60-80	90.01	9.50
70-80	27.11	2.90
80-90	7.69	0.80
0-180	950.00	100.00

6" Round LRX
 1800/1000/650 Series
 LRXBR61X9WWVQ



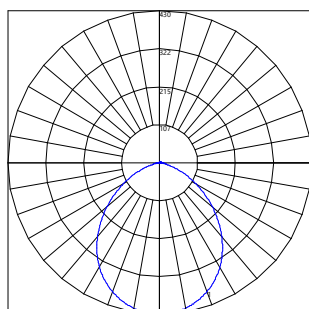
Maximum Candela = 733.3
 Located At Horizontal Angle = 0, Vertical Angle = .5

1 Vertical Plane
 Through Horizontal Angles (0-180)
 (Through Max. Cd.)

ZONE	LUMENS
0-10	69.23
10-20	196.62
20-30	291.87
30-40	333.99
40-50	303.65
50-60	212.62
60-70	96.96
70-80	32.65
80-90	9.00

ZONE	LUMENS	% OF FIXTURE
0-20	265.85	17.20
0-30	557.72	36.00
0-40	891.71	57.50
0-60	1407.98	90.80
0-80	1537.59	99.20
0-90	1546.59	99.80
10-90	1477.37	95.30
20-40	625.87	40.40
20-50	929.51	60.00
40-70	613.23	39.60
60-80	129.61	8.40
70-80	32.65	2.10
80-90	9.00	0.60
0-180	1549.99	100.00

8" Round LRX
 1800/1000/650 Series
 LRXBR81X9WWVQ



Maximum Candela = 791.5
 Located At Horizontal Angle = 0, Vertical Angle = .5

1 Vertical Plane
 Through Horizontal Angles (0-180)
 (Through Max. Cd.)

ZONE	LUMENS
0-10	74.68
10-20	211.50
20-30	312.99
30-40	362.46
40-50	331.85
50-60	218.29
60-70	87.53
70-80	36.32
80-90	10.74

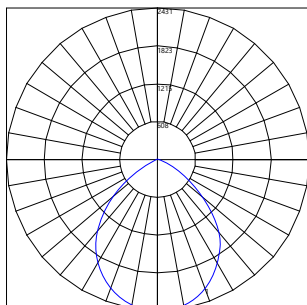
ZONE	LUMENS	% OF FIXTURE
0-20	286.18	17.30
0-30	599.17	36.30
0-40	961.63	58.30
0-60	1511.77	91.60
0-80	1635.62	99.10
0-90	1646.36	99.80
10-90	1571.69	95.30
20-40	675.45	40.90
20-50	1007.3	61.00
40-70	637.67	38.60
60-80	123.85	7.50
70-80	36.32	2.20
80-90	10.74	0.70
0-180	1649.99	100.00

CUSTOMER NAME

Project Name _____

Date _____ Type _____

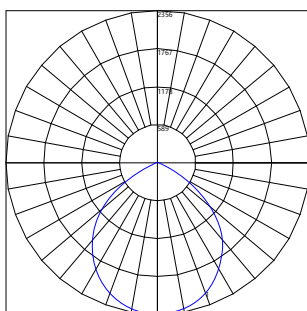
Catalog Number _____

PHOTOMETRIC DATA:
10" Round LRX
6000/5000/4000 Series
LRXBR106X9WWVQ

Maximum Candela = 2430.9
Located At Horizontal Angle = 0, Vertical Angle = 0

Vertical Plane
Through Horizontal Angles (0-180)
(Through Max. Cd.)

ZONE	LUMENS
0-10	229.30
10-20	647.87
20-30	950.00
30-40	1078.54
40-50	952.52
50-60	582.74
60-70	227.76
70-80	95.61
80-90	29.00

ZONE	LUMENS	% OF FIXTURE
0-20	877.18	18.30
0-30	1827.18	18.30
0-40	2905.72	60.50
0-60	4440.98	92.50
0-80	4764.35	99.30
0-90	4793.35	99.90
10-90	4564.05	95.10
20-40	2028.55	42.30
20-50	2981.06	62.10
40-70	1763.02	36.70
60-80	323.37	6.70
70-80	95.61	2.00
80-90	29.00	0.60
0-180	4800.01	100.00

12" Round LRX
6000/5000/4000 Series
LRXBR126X9WWVQ

Maximum Candela = 2355.9
Located At Horizontal Angle = 0, Vertical Angle = 0

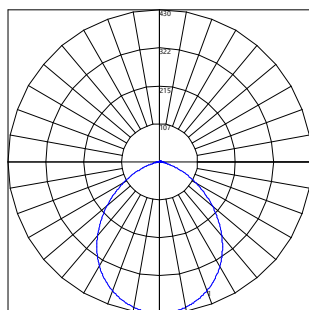
Vertical Plane
Through Horizontal Angles (0-180)
(Through Max. Cd.)

ZONE	LUMENS
0-10	222.58
10-20	633.38
20-30	940.89
30-40	1086.8
40-50	1038.97
50-60	704.17
60-70	261.72
70-80	80.13
80-90	24.66

ZONE	LUMENS	% OF FIXTURE
0-20	855.96	17.10
0-30	1796.85	35.90
0-40	2883.65	57.70
0-60	4626.80	92.50
0-80	4968.65	99.40
0-90	4993.30	99.90
10-90	4770.72	95.40
20-40	2027.69	40.60
20-50	3066.66	61.30
40-70	2004.86	40.10
60-80	341.84	6.80
70-80	80.13	1.60
80-90	24.66	0.50
0-180	5000.00	100.00

PHOTOMETRIC DATA:

4" Square LRX
 1000/650 Series
 LRXBS41X9WWVQ



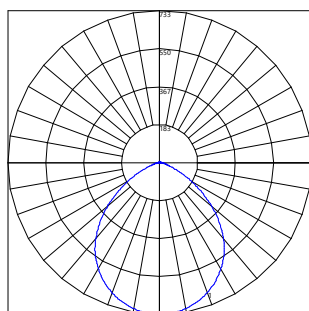
Maximum Candela = 429.5
 Located At Horizontal Angle = 60,
 Vertical Angle = .5

1 Vertical Plane
 Through Horizontal Angles (60–240)
 (Through Max. Cd.)

ZONE	LUMENS
0–10	40.50
10–20	114.61
20–30	169.11
30–40	192.50
40–50	179.93
50–60	138.72
60–70	80.70
70–80	26.61
80–90	5.21

ZONE	LUMENS	% OF FIXTURE
0–20	155.11	17.80
0–30	324.23	36.90
0–40	516.73	57.90
0–60	835.38	89.50
0–80	942.69	99.00
0–90	947.90	99.80
10–90	907.40	95.10
20–40	361.61	40.10
20–50	541.54	58.70
40–70	399.35	38.20
60–80	107.31	9.50
70–80	26.61	2.90
80–90	5.21	0.80
0–180	950.00	100.00

6" Square LRX
 1800/1000/650 Series
 LRXBS61X9WWVQ



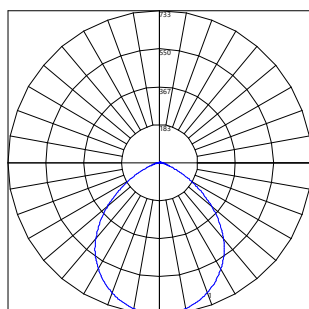
Maximum Candela = 733.3
 Located At Horizontal Angle = 0, Vertical Angle = .5

1 Vertical Plane
 Through Horizontal Angles (0–180)
 (Through Max. Cd.)

ZONE	LUMENS
0–10	69.23
10–20	196.62
20–30	291.87
30–40	333.99
40–50	303.65
50–60	212.62
60–70	96.96
70–80	32.65
80–90	9.00

ZONE	LUMENS	% OF FIXTURE
0–20	265.85	17.80
0–30	557.72	36.90
0–40	891.71	57.90
0–60	1407.98	90.80
0–80	1537.59	99.20
0–90	1546.59	99.80
10–90	1477.37	95.30
20–40	625.87	40.40
20–50	929.51	60.00
40–70	613.23	39.60
60–80	129.61	8.40
70–80	32.65	2.10
80–90	9.00	0.60
0–180	1549.99	100.00

8" Square LRX
 1800/1000/650 Series
 LRXBS81X9WWVQ



Maximum Candela = 750.4
 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane
 Through Horizontal Angles (0–180)
 (Through Max. Cd.)

ZONE	LUMENS
0–10	70.91
10–20	202.10
20–30	302.71
30–40	355.58
40–50	337.27
50–60	239.13
60–70	102.66
70–80	29.67
80–90	8.10

ZONE	LUMENS	% OF FIXTURE
0–20	273.01	16.50
0–30	575.72	34.90
0–40	931.31	56.40
0–60	1507.71	91.40
0–80	1640.04	99.40
0–90	1648.14	99.90
10–90	1577.24	95.60
20–40	658.30	39.90
20–50	995.57	60.30
40–70	679.06	41.20
60–80	132.33	8.00
70–80	29.67	1.80
80–90	8.10	0.50
0–180	1649.97	100.00

DAINTREE CONTROLS

Daintree® Wireless Controls:

There is no one size fits all for wireless controls. Some networks want simple solutions that reduce energy consumption and meet code compliance while others are more ambitious, looking to capitalize on the LED and controls savings to fund a scalable, enterprise-grade, internet of things solution. The advantage of the Daintree® Wireless platform is it's ability to integrate into indoor, outdoor and high bay environments. The Daintree® Wireless Controls provide the infrastructure to future proof your buildings, easily upgrade to Networked solutions and provide the ability to integrate into IoT solutions that are right for your business.

- **Daintree® One:** Standalone Wireless Controls
- **Daintree® EZ Connect:** Room-Based Wireless Lighting Controls
- **Daintree® Networked:** Networked Lighting Controls for Smart Building & IoT Enablement.

Daintree® Wireless Controls are already integrated in your favorite Current LED fixtures. Integrating the controls into the fixture cuts labor costs considerably since the sensors are already embedded in the lighting fixtures. There's no need to get above the ceiling plenum and install additional devices. Visit our website <https://products.gecurrent.com> for a complete list of LED Fixtures.

The LRX Series Commercial Luminaire will offer Daintree® Networked integral controls and sensor via kits. Integral sensors and IoT devices are not offered at this time.

For Additional Information or Product Technical Questions:
Email: lightingproinfo@gecurrent.com