

Lumination™ LED Luminaires

LRX Round Series LED Downlights



Project name _____
Date _____
Type _____

Product Description:

The Lumination LRX Series LED downlights are the ideal retrofit or new construction solution for traditional downlight fixtures. They install in just minutes into most 4-inch, 6-inch, and 8-inch rough-in frames and bring afresh look to the space. Unlike plug-in LED lamps, the LRX downlight gives you a new power supply and 50,000 hour life rating, so that you won't have to worry about compatibility or maintenance issues with the original ballasts. All downlights in the LRX family utilize a non-conductive poly carbonate trim perfect for wet rated applications.

Performance Summary:

NOMINAL LUMENS	650	1000	1800	3000
Delivered Lumens-LRXR4	700	1020	N/A	N/A
Delivered Lumens-LRXR6	700	1050	1900	N/A
Delivered Lumens-LRXR8	750	1200	2000	3300
System Input Power (W)	8.5	13	22	35
System Efficacy (LPW)	88	92	91	94

*LPW based on LRXR8

Input Voltage: 120 - 277V

Standard Dimming Controls: 0-10V down to 10%

CCT: 3000K, 3500K, 4000K

CRI: 82

Lifetime Rating: L85 @ 50,000 Hours

Input Frequency (Hz): 50/60Hz

Power Factor: >0.9

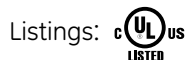
Mounting Options: Spring clips clamp on to existing frame or directly to ceiling

Weight: 0.6 lb

IC Rating: Non-IC Rated

Limited Warranty: 5 years system

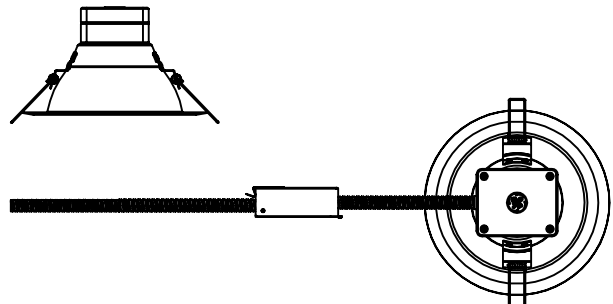
Files Available: LM79, LM80, IES



- UL and cUL Listed.
- Suitable for wet locations



Product Dimensions:



4-inch

A = 5.6" (142.3 mm) B = 3.74" (95 mm)
C = 24" (609.6 mm) D = 6" (152.4 mm)
E = Ceiling Cutout Min: 4.4"

6-inch

A = 7.75" (196.8 mm) B = 4.5" (114.2 mm)
C = 24.0" (609.6 mm) D = 6" (152.4 mm)
E = Ceiling Cutout Min: 5.7"

8-inch

A = 9.75" (247.6 mm) B = 5.1" (129.4 mm)
C = 24.0" (609.6 mm) D = 6" (152.4 mm)
E = Ceiling Cutout Min: 7.7"



a product of
ecomagination™

Ordering Information:

PRODUCT FAMILY	SHAPE/SIZE	LUMENS	CRI	CCT	DIMMING	OPTIONS
LRX LRX = Lumination RX Series Downlight	R4 = 4" Round Retrofit Downlight R6 = 6" Round Retrofit Downlight R8 = 8" Round Retrofit Downlight	10¹ = 1000lm/650lm 10¹ = 1000lm/650lm 18 = 1800lm 10¹ = 1000lm/650lm 18 = 1800lm 30 = 3000lm ¹ 1000lm models feature a selectable lumen package to allow field adjustments to light output. See page 2 for further info.	8 = 82 CRI	30 = 3000K 35 = 3500K 40 = 4000K	MD = 0-10V Dimming	BLANK = None EL² = EMBB Ready ² Must order "EL" option + LRXEMBBKIT (sold separately) for complete EMBB solution.

The standard trim is white. Colored trim options are available, please see page 2 for details.

current
powered by GE



Accessories:

PRODUCT DESCRIPTION	MATERIAL DESCRIPTION	MATERIAL	NOTES
347V KIT	LRX347V277	93036250	347V TRANSFORMER QUICK CONNECT KIT
6" WHITE PAINTED GOOF RING	GRRC6RPTWT	93018829	RECOMMENDED FOR OVER-SIZED HOLES IN CEILING
8" WHITE PAINTED GOOF RING	GRRC8RPTWT	93018831	RECOMMENDED FOR OVER-SIZED HOLES IN CEILING
6" NEW CONSTRUCTION FRAME KIT	FRAME6R	93025091	RECOMMENDED FOR NEW CONSTRUCTION APPLICATIONS
8" NEW CONSTRUCTION FRAME KIT	FRAME8R	93025092	RECOMMENDED FOR NEW CONSTRUCTION APPLICATIONS
ENLIGHTED SENSOR KIT	LCACBAVQNUNGALV	93029451	SEE LCA KIT LITERATURE & INSTALL GUIDE
DAINTREE SENSOR KIT	LCACBAVTQUNGALV	93057194	SEE LCA KIT LITERATURE & INSTALL GUIDE
EMERGENCY BATTERY BACKUP KIT (7W)	LRXEMBBKIT07	93043031	7 WATT EMBB QUICK CONNECT KIT (MUST HAVE FIXTURE WITH "EL" OPTION)
EMERGENCY BATTERY BACKUP KIT (10W)	LRXEMBBKIT10	93043540	10 WATT EMBB QUICK CONNECT KIT (MUST HAVE FIXTURE WITH "EL" OPTION)

Colored Trim Options:

PRODUCT DESCRIPTION		MATERIAL DESCRIPTION	MATERIAL	LUMEN OUTPUT
	LRXR6 ROUND 6" TRIM INSERT, BLACK	LRXR6TRIMBL	93059501	70%
	LRXR6 ROUND 6" TRIM INSERT, SILVER	LRXR6TRIMSV	93059502	90%
	LRXR8 ROUND 8" TRIM INSERT, BLACK (NOT AVAILABLE IN 3000LM)	LRXR8TRIMBL	93059503	70%
	LRXR8 ROUND 8" TRIM INSERT, SILVER (NOT AVAILABLE IN 3000LM)	LRXR8TRIMSV	93059504	85%

Photometric Data: Lumination™ LRX Series Downlights

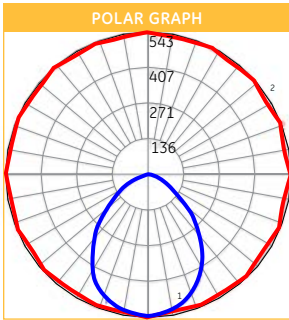
LRXR410830MD

LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	44163	43507	44576
55°	31383	30998	31794
65°	19283	19142	19599
75°	12977	12649	12986
85°	6327	6456	8002

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	50.98
10-20	143.53
20-30	208.85
30-40	226.68
40-50	194.68
50-60	131.45
60-70	66.78
70-80	29.04
80-90	6.9
90-100	0.04
100-110	0.04
110-120	0.03
120-130	0.02
130-140	0.02
140-150	0.02
150-160	0.02
160-170	0.01
170-180	0.00

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
RW	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
0	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
1	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
2	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67
3	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
4	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52
5	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
6	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42
7	66	54	46	41	65	53	46	40	52	45	40	51	44	40	49	44	40	38
8	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
9	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32
10																		

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	194.51	N.A.	18.4
0-30	403.36	N.A.	38.1
0-40	630.04	N.A.	59.5
0-60	956.17	N.A.	90.3
0-80	1052	N.A.	99.3
0-90	1058.9	N.A.	100



Photometric Data: Lumination™ LRX Series Downlights

LRXR610830MD

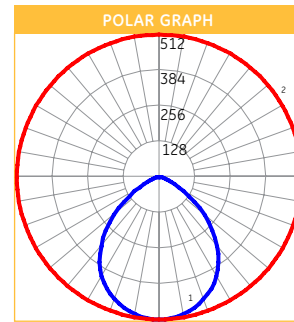
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	48.26
10-20°	135.99
20-30°	199.14
30-40°	221.96
40-50°	188.12
50-60°	118.95
60-70°	54.04
70-80°	25.47
80-90°	7.78
90-100°	0.06
100-110°	0.02
110-120°	0.03
120-130°	0.03
130-140°	0.04
140-150°	0.05
150-160°	0.05
160-170°	0.03
170-180°	0.01

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%				10%		0%
RW	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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	85	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	62	60
5	82	70	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	48	44	43
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	184.25	18.40
0-30°	383.39	38.30
0-40°	605.34	60.50
0-60°	912.41	91.20
0-80°	991.92	99.20
0-90°	999.70	100.00

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	17519	17519	17519
55°	11682	11682	11682
65°	6286	6286	6286
75°	4723	4723	4723
85°	4000	4000	4000



LRXR818830MD

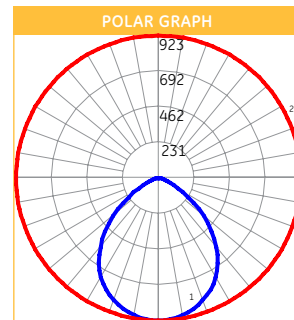
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	87.00
10-20°	245.00
20-30°	357.94
30-40°	405.72
40-50°	355.72
50-60°	213.19
60-70°	84.35
70-80°	37.58
80-90°	10.61
90-100°	0.07
100-110°	0.14
110-120°	0.29
120-130°	0.44
130-140°	0.54
140-150°	0.55
150-160°	0.48
160-170°	0.31
170-180°	0.10

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%				10%		0%
RW	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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
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5	82	71	63	57	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	47	41	37	47	41	37	35
10	59	47	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	332.00	18.40
0-30°	689.94	38.30
0-40°	1095.66	60.90
0-60°	1664.57	92.50
0-80°	1786.51	99.20
0-90°	1797.12	99.80

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	8251	8251	8251
55°	4433	4433	4433
65°	1645	1645	1645
75°	827	827	827
85°	263	263	263



Selectable Driver Package:

The LRX Series comes with a new Selectable Driver Package which allows customers to manually switch from full power (1000lm) to lower power (650lm) with just the switch of a button. This affords unprecedented flexibility for distributors to stock fewer SKUs. Reduces install risk by effectively having 2 lumen levels in 1 simple package.



*This feature is only available in the 1000/650lm package.

Product Specifications:

Construction:

- 16 gauge Aluminum spinning reflector housing, powder coating
- Custom engineered heat sink flange for passive cooling on all lumen options

Installation:

- Fixture mounting to an existing metal frame
- Conduit connect to quick-disconnect for easy installation

Optical System:

- Custom engineered reflectors for wide distributions.
- Semi-diffuse diffuser for ideal combination of optical efficiency and uniformity

Electrical System:

- High Efficiency, integrated driver with 0-10V dimming
- Selectable Lumen Driver available in the 1000/650lm package.

For more information and access to all of our resources, including our design tool visit: www.gelighting.com