Lumination™ LED Luminaires

RX Series Downlights



Project name _____

Date _____

Type _____

Product Description:

The Lumination RX Series LED downlights are the ideal retrofit solution for traditional 1 or 2-lamp CFL downlights. They install in just minutes into most 6-inch and 8-inch CFL rough-in frames and bring a fresh look to the space. Unlike plug-in LED lamps, the RX downlight give 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 RX family have 120-277V input and a uniform lit appearance, delivering premium performance in an economical package.

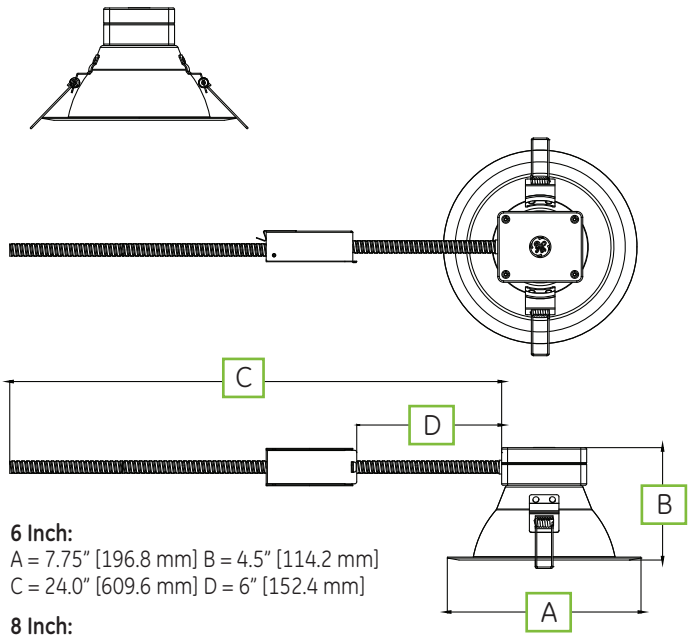
Targeted Performance Summary:

Distribution Patterns: Wide
Delivered Lumen Output: 1000, 1500, 2000, 3000
System Input Power: 14W, 19.5W, 25W, 36W
System Efficacy (LPW): 71-83
Input Voltage: 120-277V
Standard Dimming Controls: Non-Dimming
CCT: 3000K, 3500K & 4000K
CRI: 82
Lifetime Rating: L70 @ 50,000 hours
Input Frequency (Hz): 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

Listings: c UL us LISTED

- UL and cUL Listed.
- Suitable for damp locations.

Product Dimensions:



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]

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]

a product of ecomagination℠

Ordering Information: Quick Ship Program Available!

DESCRIPTION	RECESSED CAN SIZE	CCT	CRI	MAXIMUM LUMENS	VOLTAGE	WATTS	LPW
RX610830MV	6"	3000K	82	1000	120-277V	14	71
RX610835MV	6"	3500K	82	1000	120-277V	14	71
RX610840MV	6"	4000K	82	1000	120-277V	14	71
RX810830MV	8"	3000K	82	1000	120-277V	14	71
RX810835MV	8"	3500K	82	1000	120-277V	14	71
RX810840MV	8"	4000K	82	1000	120-277V	14	71
RX815830MV	8"	3000K	82	1500	120-277V	19.5	77
RX815835MV	8"	3500K	82	1500	120-277V	19.5	77
RX815840MV	8"	4000K	82	1500	120-277V	19.5	77
RX820830MV	8"	3000K	82	2000	120-277V	25	80
RX820835MV	8"	3500K	82	2000	120-277V	25	80
RX820840MV	8"	4000K	82	2000	120-277V	25	80
RX830830MV	8"	3000K	82	3000	120-277V	36	83
RX830835MV	8"	3500K	82	3000	120-277V	36	83
RX830840MV	8"	4000K	82	3000	120-277V	36	83

SKU	CATALOG#	DESCRIPTION	
93018829	GRRC6RPTWT	RX6" Goof Ring (OD 8.9")	5 per pack
93018831	GRRC8RPTWT	RX8" Goof Ring (OD 10.6")	5 per pack

imagination at work

Photometric Data: Lumination™ RX Series Downlights

RX610835MV-PUBLISH.IES

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	45.28
10-20°	128.47
20-30°	191.06
30-40°	217.35
40-50°	194.77
50-60°	130.45
60-70°	58.96
70-80°	26.73
80-90°	6.38
90-100°	0.03
100-110°	0.03
110-120°	0.04
120-130°	0.06
130-140°	0.09
140-150°	0.11
150-160°	0.10
160-170°	0.07
170-180°	0.02

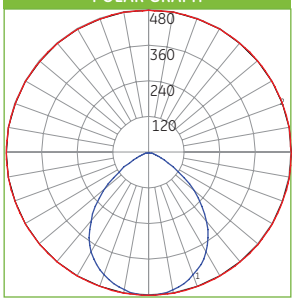
COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	96	97	95	93	93	91	90	88
2	102	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	78	74	70	76	72	69	67
4	87	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46
7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	173.75	17.40
0-30°	364.80	36.50
0-40°	582.16	58.20
0-60°	907.38	90.70
0-80°	993.07	99.30
0-90°	999.45	99.90

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	182507	182586	182564
55°	129254	129299	129343
65°	67939	67939	67902
75°	49999	50078	50216
85°	28738	28329	29848

POLAR GRAPH



RX820835MV-PUBLISH.IES

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	88.00
10-20°	250.24
20-30°	373.80
30-40°	437.77
40-50°	408.07
50-60°	273.31
60-70°	110.22
70-80°	45.22
80-90°	12.64
90-100°	0.02
100-110°	0.03
110-120°	0.06
120-130°	0.11
130-140°	0.16
140-150°	0.18
150-160°	0.17
160-170°	0.12
170-180°	0.04

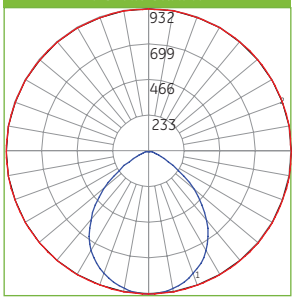
COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	338.25	16.90
0-30°	712.05	35.60
0-40°	1149.82	57.50
0-60°	1831.2	91.60
0-80°	1986.64	99.30
0-90°	1999.28	100.00

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	266136	266196	266346
55°	188753	188759	188889
65°	86295	86220	86354
75°	58284	58366	58407
85°	43727	44376	45714

POLAR GRAPH



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 drivers, non-dimming

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