

Lumination® LRX Series

LRXD Disk Downlight



CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

The **Lumination®** LRX-D is an ultra-thin, affordable downlight for shallow plenum applications. The LRX-D is available in 4in or 6in square and round apertures, retrofit or new construction, with a choice of two 3-level switchable CCT options.

CONSTRUCTION

Housing:	Aluminum and plastic housing
Lens:	Non-conductive polycarbonate
Paint:	White powder painted
Weight:	LRXDR4 - 1.00lb (0.455kg) LRXDS4 - 1.11lb (0.506kg) LRXDR6 - 1.24lb (0.563kg) LRXDS6 - 1.40lb (0.637kg)
Optical Assembly:	High efficiency reflector and optical diffuser

OPTICAL SYSTEM

Lumens:	700lm (4in) / 1,100lm (6in)
Distribution	Wide 90°
Efficacy	78 LPW (4in) / 92 LPW (6in)
CCT:	Selectable 2700K, 3000K, 3500K Selectable 3500K, 4000K, 5000K
CRI (Min):	90

ELECTRICAL

Input Voltage:	120-277V
Input Frequency:	50/60Hz
Standard Dimming Control:	0-10V, 10%
Power Factor (PF)*:	> 90%
Total Harmonic Distortion (THD)*:	<20
Thermal Protection:	Yes
Transient Protection:	100 kHz ring wave, 2.5kV level
Electronic Vibration Testing:	Multi-axis, Random Vibration Profile: 2-2000Hz, 5Gs on electronics

* System PF and THD specified at rated watts

CONTROLS

Dimming: Standard - 0-10V, 10%

LUMEN AMBIENT TEMPERATURE

Product ID	Operating Temperature
LRXD	-10° TO +35° C

LUMEN MAINTENANCE

Projected L70 per IES TM-21 at max 40°C

LXX(10K) @ Hours
50,000 HR
L70

MOUNTING

- Retrofit to existing frame
- New Construction, utilizing FRAME option
- Accessible from beneath the ceiling

ADDITIONAL NOTES

- For interior applications only
- Class 2 high-efficiency LED driver, rated at 100,000 hours
- Suitable for dry, damp, and wet locations IP30
- IK05 Impact resistant
- IC-Rated



Lumination® LRX Series

LRXD Recessed Disk Downlight

Catalog Logic and Spec Tables

CUSTOMER NAME

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1. FIXTURE

LRXD

9

MD

FAMILY	FIXTURE WIDTH	Nominal Lumens	CRI	CCT	DIMMING	OPTIONS
LRXD = Lumination® RX Series Disk Downlight	R4 = 4in Round	07 = 700lm (4in only)	9 = 90 CRI	WW = Selectable 2700K/3000K/3500K	MD = 0-10V, 10%	Blank = None
	R6 = 6in Round	11 = 1,100lm (6in only)		CW = Selectable 3500K/4000K/5000K		
	S4 = 4in Square					
	S6 = 6in Square					

2. NEW CONSTRUCTION FRAME

FRAME

FAMILY	FIXTURE WIDTH
FRAME = New Construction Frame	R4 = 4in Round
	R6 = 6in Round
	S4 = 4in Square
	S6 = 6in Square

NOTE:

Fixture is field configurable for three different lumen/wattage levels.

WW = 2700K/3000K/3500K

Default switch position = 3000K

CW = 3500K/4000K/5000K

Default switch position = 4000K

LUMEN DATA

MODEL	CCT	LUMEN CLAIM (LM)
4 INCH ROUND 4 INCH SQUARE	2700K	620
	3000K	680
	3500K	660
	4000K	720
	5000K	690
6 INCH ROUND 6 INCH SQUARE	2700K	950
	3000K	1040
	3500K	1010
	4000K	1070
	5000K	1020

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Dimensions

CUSTOMER NAME

Project Name _____

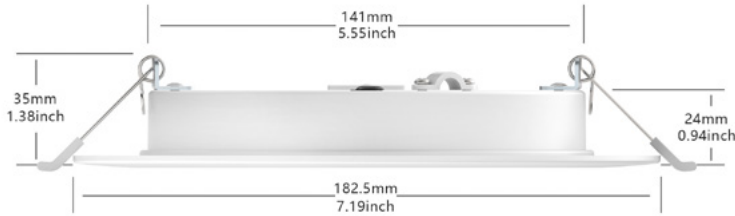
Date _____ Type _____

Catalog Number _____

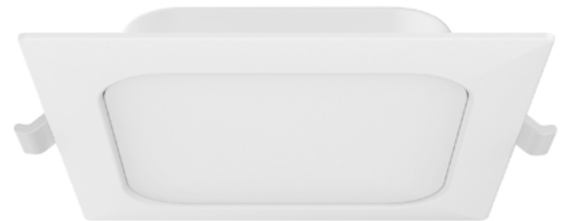
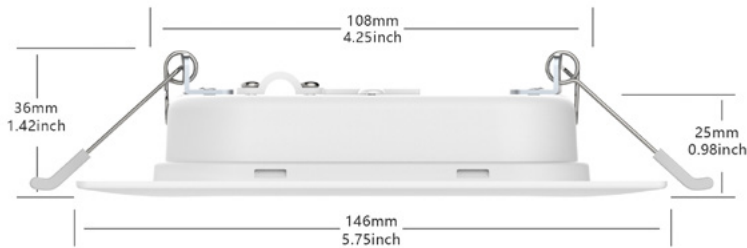
LRXDR4



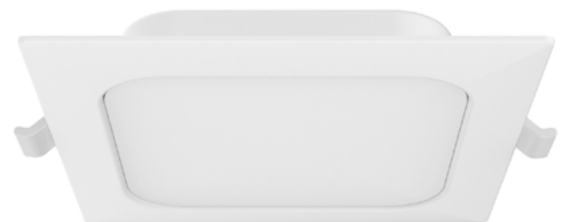
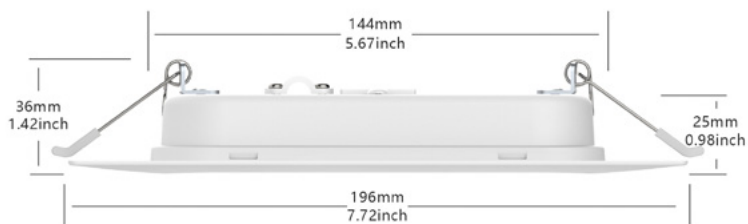
LRXDR6



LRXDS4



LRXDS6



Lumination® LRX Series

LRXD Recessed Disk Downlight

Photometric Data

CUSTOMER NAME

Project Name _____

Date _____ Type _____

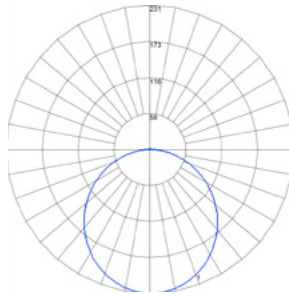
Catalog Number _____

LRXD 4in Round 90CRI

2700K/3000K/3500K

660.06 LM

LRXDR4079WWMD-3500K.IES



Max Candella = 231.1

- Vertical plane through horizontal angles (0-180) (Through Max Cd.)
- Horizontal cone through vertical angle (0) (Through Max Cd.)

ZONE	LUMENS
0-10	21.84
10-20	62.36
20-30	94.01
30-40	112.75
40-50	116.63
50-60	105.90
60-70	82.54
70-80	49.52
80-90	12.39

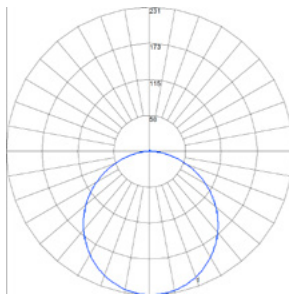
ZONE	LUMENS	% of Fixture
0-20	84.21	12.80
0-30	178.22	27.00
0-40	290.97	44.10
0-60	513.49	77.80
0-80	645.55	97.80
0-90	657.94	99.70
10-90	636.10	96.40
20-40	206.76	31.30
20-50	323.39	49.00
40-70	305.06	46.20
60-80	132.06	20.00
70-80	49.52	7.50
80-90	12.39	1.90
0-180	660.06	100.00

LRXD 4in Square 90CRI

3500K/4000K/5000K

660.08 LM

LRXDS4079CWMD-3500K.IES



Max Candella = 634.9

- Vertical plane through horizontal angles (0-180) (Through Max Cd.)
- Horizontal cone through vertical angle (0) (Through Max Cd.)

ZONE	LUMENS
0-10	21.80
10-20	62.36
20-30	94.33
30-40	113.52
40-50	117.63
50-60	106.24
60-70	81.12
70-80	47.10
80-90	12.85

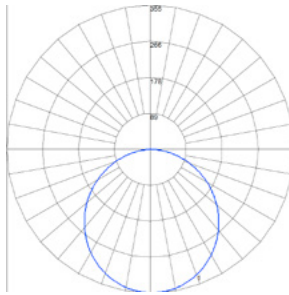
ZONE	LUMENS	% of Fixture
0-20	84.16	12.70
0-30	178.48	27.00
0-40	292.01	44.20
0-60	515.88	78.20
0-80	644.10	97.60
0-90	656.95	99.50
10-90	635.15	96.20
20-40	207.85	31.50
20-50	325.48	49.30
40-70	304.99	46.20
60-80	128.21	19.40
70-80	47.10	7.10
80-90	12.85	1.90
0-180	660.08	100.00

LRXD 6in Round 90CRI

2700K/3000K/3500K

1009.93LM

IRXDR6119WWMD-3500K.IES



Max Candella = 355.2

- Vertical plane through horizontal angles (0-180) (Through Max Cd.)
- Horizontal cone through vertical angle (0) (Through Max Cd.)

ZONE	LUMENS
0-10	33.56
10-20	95.93
20-30	144.95
30-40	174.20
40-50	180.35
50-60	163.17
60-70	125.53
70-80	73.3.8
80-90	17.84

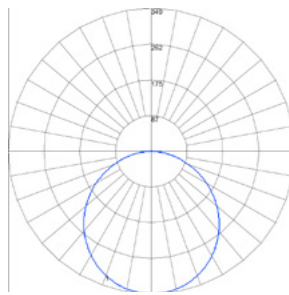
ZONE	LUMENS	% of Fixture
0-20	129.49	12.80
0-30	274.43	27.20
0-40	448.64	44.40
0-60	792.16	78.40
0-80	991.07	98.10
0-90	1008.91	99.90
10-90	975.36	96.60
20-40	319.15	31.60
20-50	499.50	49.50
40-70	469.05	46.40
60-80	198.91	19.70
70-80	73.38	7.30
80-90	17.84	1.80
0-180	1009.93	100.00

LRXD 6in Square 90CRI

3500K/4000K/5000K

1010.09LM

LRXDS6119CWMD-3500K.IES



Max Candella = 349.0

- Vertical plane through horizontal angles (0-180) (Through Max Cd.)
- Horizontal cone through vertical angle (0) (Through Max Cd.)

ZONE	LUMENS
0-10	32.98
10-20	94.41
20-30	143.03
30-40	172.46
40-50	179.08
50-60	162.36
60-70	125.21
70-80	74.82
80-90	22.39

ZONE	LUMENS	% of Fixture
0-20	127.40	12.60
0-30	270.44	26.80
0-40	442.90	43.80
0-60	784.34	77.70
0-80	984.38	97.50
0-90	1006.77	99.70
10-90	973.79	96.40
20-40	315.51	31.20
20-50	494.59	49.00
40-70	466.65	46.20
60-80	200.03	19.80
70-80	74.82	7.40
80-90	22.39	2.20
0-180	1010.09	100.00

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Mounting Options and Accessories

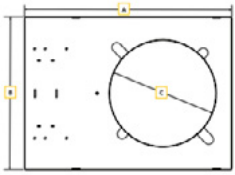
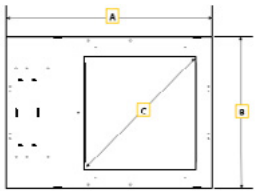
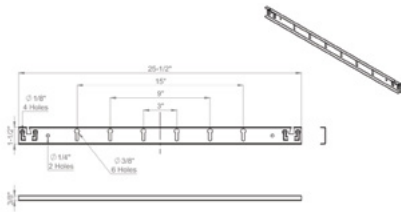
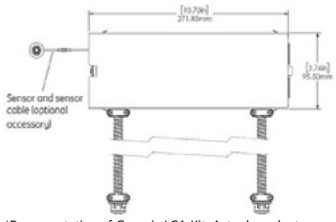
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ACCESSORIES

	SKU	Specs	
New Construction Frame Kit - Round			
	93090208	4 Inch Round	
		Dimension A	12.91in (328mm)
		Dimension B	8.58in (218mm)
		Dimension C	4.8in (122mm)
	93025091	6 Inch Round	
		Dimension A	15.35in (390mm)
		Dimension B	11.34in (288mm)
		Dimension C	6.27in (159.30mm)
New Construction Frame Kit - Square			
	93025091	4 Inch Square	
		Dimension A	12.91in (390mm)
		Dimension B	8.58in (218mm)
		Dimension C	5.04in (128mm) x 4.02in (102mm) ~ 5.04in (128mm)
		6 Inch Square	
		Dimension A	15.35in (390mm)
		Dimension B	11.34in (288mm)
		Dimension C	6.70in (170mm) x 5.91in(150mm) ~ 6.80in (172.6mm)
Hanger Bars			
	931103066	Dimensions	25.5in (647.7mm) x 1.5in (38.1mm) x 0.375in (9.5mm)
		Notes	Support hanger bars, compatible with a frame kit (above). 2 hanger bars per box (boxed pair).
Controls Accessory Kits			
 <p>*Representative of Generic LCA Kit. Actual product may vary</p>	93057194	LCA Kit with LG Controller	Provides Daintree Wireless Controls compatibility. Does not include sensor. Installation is not integral to the downlight. Includes LG Controls Module.
	93038296	LCA Kit with WFA Controller	Provides Daintree Wireless Controls compatibility. Does not include sensor. Installation is not integral to the downlight. Includes Daintree WFA Controller.
	93095787	LCA Kit with Interface Module	Provides Daintree Wireless Controls compatibility. Does not include sensor. Installation is not integral to the downlight. Includes Daintree Interface Module.

* ALWAYS REFER TO INSTALLATION GUIDES FOR PRODUCT COMPATIBILITY AND PROPER INSTALLATION PROCESS.

For Additional Information or Product Technical Questions:
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