

# 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 selectable CCT options.

### ProLine®

#### CONSTRUCTION

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

#### OPTICAL SYSTEM

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

#### ELECTRICAL

<b>Input Voltage:</b>	120-277V
<b>Input Frequency:</b>	50/60Hz
<b>Wattage:</b>	9W (4in), 12W (6in)
<b>Standard Dimming Control:</b>	0-10V, 10%
<b>Power Factor (PF)*:</b>	> 90%
<b>Total Harmonic Distortion (THD)*:</b>	<20
<b>Thermal Protection:</b>	Yes
<b>Transient Protection:</b>	100 kHz ring wave, 2.5kV level
<b>Electronic Vibration Testing:</b>	Multi-axis, Random Vibration Profile: 2-2000Hz, 5Gs on electronics

\* System PF and THD specified at rated watts

#### CONTROLS

**Dimming:** Standard - 0-10V, 10%

**Sensors:** Daintree Compatible w/ Controls Kit  
(see Ordering for additional info)

#### AMBIENT OPERATING TEMPERATURE

Product ID	Operating Temperature
LRXD	-10° TO +40° C

#### LUMEN MAINTENANCE

Projected L80 @ 50000h per IES TM-21 at max 40°C

LXX @ Hours
50,000 HR
L80

#### 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 50000h
- Suitable for interior dry, damp, and wet locations
- IK05 Impact resistant
- IC-Rated



# Lumination® LRX Series

## LRXD Recessed Disk Downlight

### Catalog Logic and Spec Tables

#### CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

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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					

**NOTE:**  
Fixture is field configurable for three different CCT levels.

**WW = 2700K/3000K/3500K**  
Default switch position = 3000K

**CW = 3500K/4000K/5000K**  
Default switch position = 4000K

#### 2. NEW CONSTRUCTION FRAME

FRAME	
FAMILY	FIXTURE WIDTH
FRAME = New Construction Frame	4R = 4in Round
	6R = 6in Round
	4S = 4in Square
	6S = 6in Square

#### 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

# Lumination® LRX Series

## LRXD Recessed Disk Downlight

### Dimensions

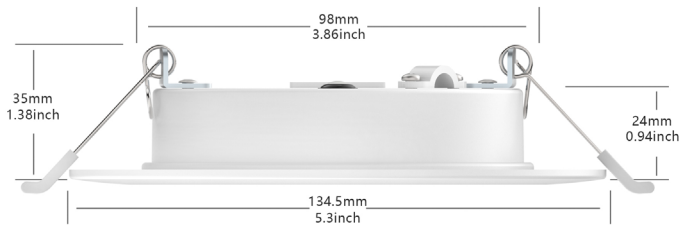
#### CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

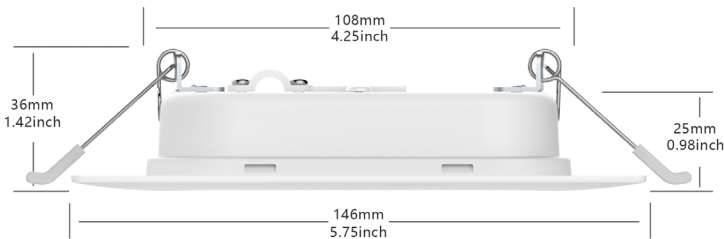
#### LRXDR4



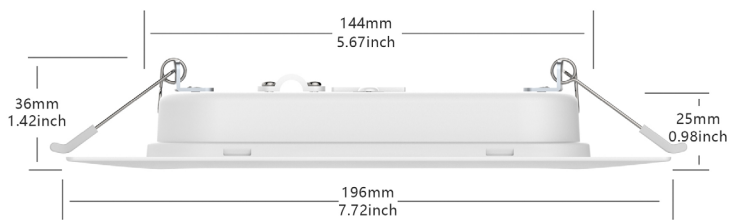
#### LRXDR6



#### LRXDS4



#### LRXDS6



# Lumination® LRX Series

## LRXD Recessed Disk Downlight

### Photometric Data

#### CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

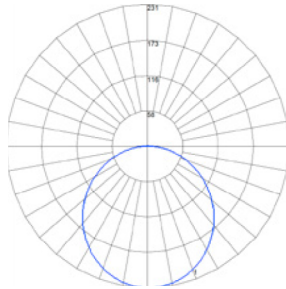
Catalog Number \_\_\_\_\_

#### LRXD 4in Round 90CRI

2700K/3000K/3500K

660.06 LM

LRXDR4079WWMD-3500K.IES



Max Candela = 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

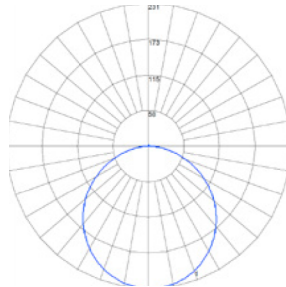
ZONE	LUMENS	% of Fixture
0-20	84.21	12.80
0-30	178.22	27.00
0-40	290.97	44.10
0-60	513.49	77.80
0-80	645.55	97.80
0-90	657.94	99.70
10-90	636.10	96.40
20-40	206.76	31.30
20-50	323.39	49.00
40-70	305.06	46.20
60-80	132.06	20.00
70-80	49.52	7.50
80-90	12.39	1.90
0-180	660.06	100.00

#### LRXD 4in Square 90CRI

3500K/4000K/5000K

660.08 LM

LRXDS4079CWMD-3500K.IES



Max Candela = 230.6

— 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

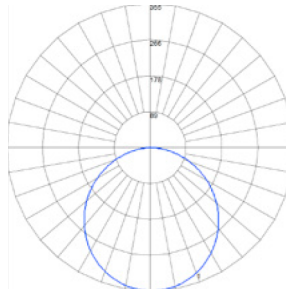
ZONE	LUMENS	% of Fixture
0-20	84.16	12.70
0-30	178.48	27.00
0-40	292.01	44.20
0-60	515.88	78.20
0-80	644.10	97.60
0-90	656.95	99.50
10-90	635.15	96.20
20-40	207.85	31.50
20-50	325.48	49.30
40-70	304.99	46.20
60-80	128.21	19.40
70-80	47.10	7.10
80-90	12.85	1.90
0-180	660.08	100.00

#### LRXD 6in Round 90CRI

2700K/3000K/3500K

1009.93LM

IRXDR6119WWMD-3500K.IES



Max Candela = 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

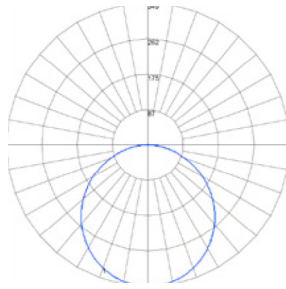
ZONE	LUMENS	% of Fixture
0-20	129.49	12.80
0-30	274.43	27.20
0-40	448.64	44.40
0-60	792.16	78.40
0-80	991.07	98.10
0-90	1008.91	99.90
10-90	975.36	96.60
20-40	319.15	31.60
20-50	499.50	49.50
40-70	469.05	46.40
60-80	198.91	19.70
70-80	73.38	7.30
80-90	17.84	1.80
0-180	1009.93	100.00

#### LRXD 6in Square 90CRI

3500K/4000K/5000K

1010.09LM

LRXDS6119CWMD-3500K.IES



Max Candela = 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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## LRXD Recessed Disk Downlight

### Mounting Options and Accessories

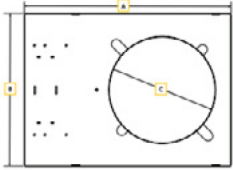
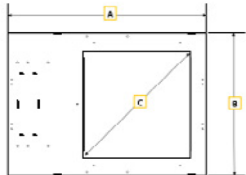
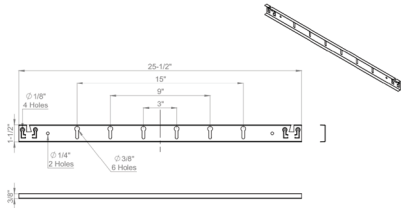
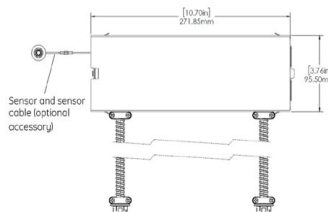
#### CUSTOMER NAME

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## ACCESSORIES

SKU		Specs	
New Construction Frame Kit - Round			
	93090208	<b>4 Inch Round</b>	
		Dimension A	12.91in (328mm)
		Dimension B	8.58in (218mm)
	93025091	Dimension C	4.8in (122mm)
		<b>6 Inch Round</b>	
		Dimension A	15.35in (390mm)
New Construction Frame Kit - Square			
	93090209	<b>4 Inch Square</b>	
		Dimension A	12.91in (328mm)
		Dimension B	8.58in (218mm)
	93045426	Dimension C	5.04in (128mm) x 4.02in (102mm) ~ 5.04in (128mm)
		<b>6 Inch Square</b>	
		Dimension A	15.35in (390mm)
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			
 <small>*Representative of Generic LCA Kit. Actual product may vary</small>	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.

## ProLine®

Every contractor deserves a  
Fast, Reliable, and Trusted Lighting Partner



### For Product or Technical Questions:

Email: [lightingproinfo@currentlighting.com](mailto:lightingproinfo@currentlighting.com)

Phone: +1 888 694 3533, option 2