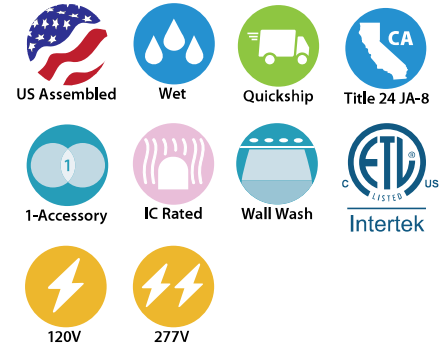
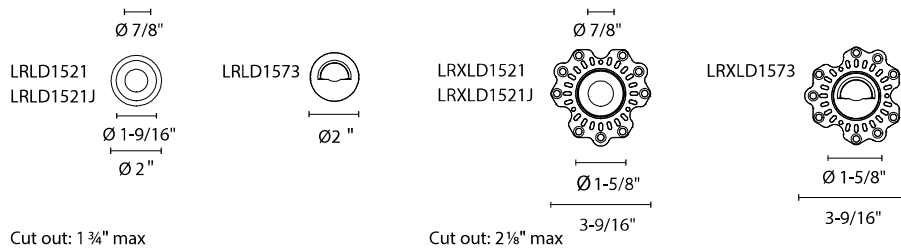
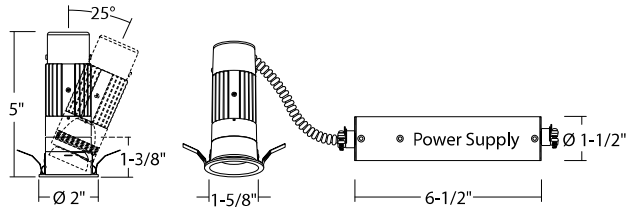


LRLD15 : 1.5" P-SERIES

MICRO RECESSED LED, ROUND APERTURE, 500LM-1000LM (6W-12W)



- Up to 12W, 1000lm
- Integral or Remote Driver, Remote Panel Box Options
- Airtight Lens Wet Location Option
- Type IC or IC/1-Hour Fire-Rated Frame Options
- US Assembled
- Remote Emergency Backup (40W)
- Quick Ship Options

ORDERING : LRLD1521B-B20-T27-WL/LD5INTJBX-D01-C025-DIN/RL-15

LRLD15xxx

Trim Finish Beam Color Temp. Lumens Rating / See page 2 for Driver Setup / Accessories

Trim

FLANGED	
Downlight	LRLD1521
Adjustable Downlight	LRLD1521J²
Wallwash	LRLD1573

TRIMLESS	
Downlight	LRXLD1521
Adjustable Downlight	LRXLD1521J²
Wallwash	LRXLD1573

Finish

Black	B
White	W
Matte Gold	MG¹
Custom	CC¹

Beam

Standard, Wallwash only	Blank
15° Beam (max CD)	-B15^{1,3}
20° Beam	-B20
40° Beam	-B40
50° Beam	-B50

Color Temp.

2700K (90 CRI)	-T27
3000K (90 CRI)	-T30
3500K (90 CRI)	-T35
4000K (90 CRI)	-T40
3000K-1800K Warm-Dimming	-TWD

Lumens

Standard Output Module 500lm, 800lm	Blank
High Output Module 700lm, 1000lm	-HO^{1,4}

Rating

Airtight Lensed (Wet Location)	-WL
--------------------------------	------------

Accessories

FILTER LENS	
Clear Lens	Blank
Red Lens	/RL-15
Yellow Lens	/YL-15
Blue Lens	/BL-15
Green Lens	/GL-15
Black Hex Cell Louver	-LVR
Frosted Soft Focus	-SFL
Micro Prismatic Spread Lens	-MPL

¹ Special order. Minimum order, extended lead time may apply. Consult Factory.

² Maximum ceiling thickness is 3/4".

³ (-B15) Beamspread option not available with (-HO) High output module.

⁴ (-HO) High Output Module only available with -C030-HO (1000lm, 12W) and -C020-HO (700lm, 9W).

⁵ (-TWD) Warm Dimming only available with (-HO) High Output Module.

⁶ LD5RMTJBX (UE-DUN) only available with multiples of 2 fixtures, not compatible with (-HO) High output module.

⁷ Type IC Frame and Fire-Rated Frame only compatible with LD5INTJBX with -C020-HO (700lm, 9W).

LRLD15xxx

Trim / Finish Beam Color Temp. Lumens Rating / Driver Setup Lumens Dimming Emergency Options / Accessories

Driver Setup	Lumens	Dimming	Emergency Options
Integral Power Supply /LD5INTJBX (1 Driver per Fixture)	800lm (11W) -C050 700lm (9W) -C020-HO ⁴ 1000lm (12W) -C030-HO ⁶	UniDim™ 0-10V, ELV and TRIAC (120V-277V) UE-DUN 1% 0-10V (120V-277V) UE-D10P1 TRIAC/ELV (120V) -DIN	Remote Emergency Backup -EMAC

LRLD15xxx

Trim / Finish Beam Color Temp. Lumens Rating / Driver Setup Lumens Dimming Pre-Wired (Quick Connects) Length (each QC) Emergency Options / Accessories

Driver Setup	Dimming	Length (each QC)	Emergency Options
Remote Power Supply /LD5RMTJBX ⁵ (1 Driver for Multiple Fixtures)	0-10V (120V-277V) UE-D10 UniDim™ 0-10V, ELV and TRIAC (120V-277V) UE-DUN	4' Total length each connector Blank 6' Total length each connector -L06 12' Total length each connector -L12	Remote Emergency Backup (40W) (Up to 4 fixtures) -EMAC40
Lumens	Pre-Wired (Quick Connects)		
500lm (6W) -C025	No Pre-Wired connectors None		
800lm (11W) -C050	2 Pre-Wired connectors -2QC 3 Pre-Wired connectors -3QC 4 Pre-Wired connectors -4QC 5 Pre-Wired connectors -5QC		

LRLD15xxx

Trim / Finish Beam Color Temp. Lumens Rating / Driver Setup # of Drivers Lumens Dimming Emergency Options / Accessories

Driver Setup	# of Drivers	# of Drivers (cont.)	Lumens	Dimming
Remote Panel Box. /LD5PNLJBX Up to 8 Drivers (1 Driver per Fixture)	1 Driver -D01 ² 2 Drivers -D02 3 Drivers -D03 4 Drivers -D04 5 Drivers -D05 6 Drivers -D06 7 Drivers -D07 8 Drivers -D08	9 Drivers -D09 10 Drivers -D10 11 Drivers -D11 12 Drivers -D12 13 Drivers -D13 14 Drivers -D14 15 Drivers -D15 16 Drivers -D16	800lm (11W) -C050 1000lm (12W) -C030-HO	UniDim™ 0-10V, ELV and TRIAC (120V-277V) UE-DUN 0-10V (120V-277V) UE-D10 1% 0-10V (120V-277V) UE-D10P1 TRIAC/ELV (120V) -DIN Emergency Options Remote Emergency Backup (40W) (Up to 4 fixtures) -EMAC40

¹ Special order. Minimum order, extended lead time may apply. Consult Factory.

² Maximum ceiling thickness is 3/4".

³ (-B15) Beamspread option not available with (-HO) High output module.

⁴ (-HO) High Output Module only available with -C030-HO (1000lm, 12W) and -C020-HO (700lm, 9W).

⁵ (-TWD) Warm Dimming only available with (-HO) High Output Module.

⁶ LD5RMTJBX (UE-DUN) only available with multiples of 2 fixtures, not compatible with (-HO) High output module.

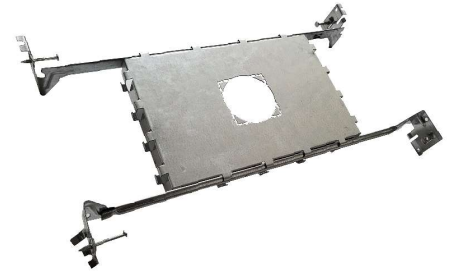
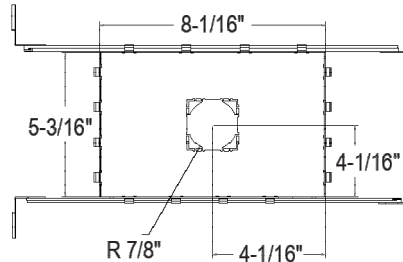
⁷ Type IC Frame and Fire-Rated Frame only compatible with LD5INTJBX with -C020-HO (700lm, 9W).

NEW CONSTRUCTION FRAMES

/LHLD15-FRM

Non-IC (Flanged)
Fits the following:

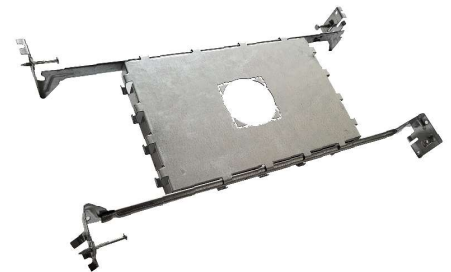
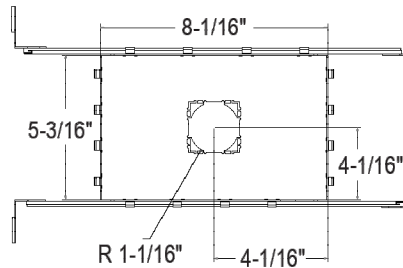
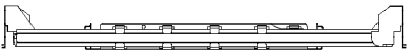
LRLD1521 LRLDQ1521
LRLD1521J LRLDQ1521J
LRLD1573 LRLDQ1573



/LHXLD15-FRM

Non-IC (Trimless)
Fits the following:

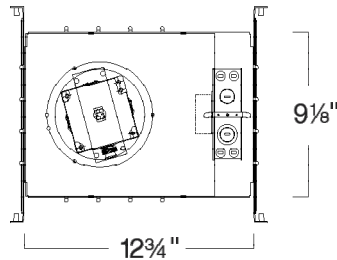
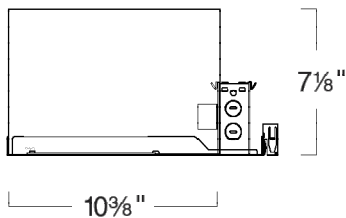
LRXLD1521 LRXLDQ1521
LRXLD1521J LRXLDQ1521J
LRXLD1573 LRXLDQ1573



/LHLD15IC-FRM

Type IC (Flanged/Trimless)
Fits the following:

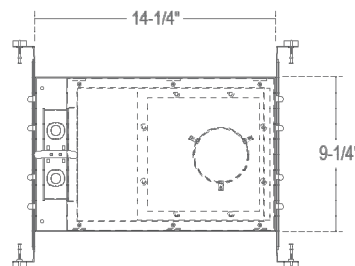
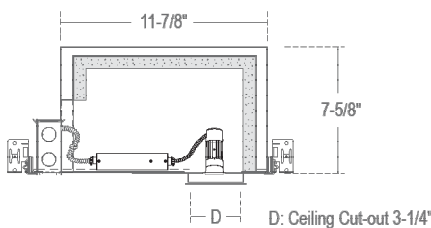
LRLD1521 LRXLD1521
LRLD1521J LRXLD1521J
LRXLD1573 LRXLD1573



/LHFRLD15-FRM

Fire-Rated Frame Type IC/1-Hour
Fits the following:

LRLD1521 LRXLD1521
LRLD1521J LRXLD1521J
LRXLD1573 LRXLD1573



SPECIFICATION

Application

1.5" diameter Micro Recessed LED Downlight suitable for High-End Residential, Architectural, and Commercial use. Provides exceptional ambient, accent, and task lighting in low to medium height ceilings. Also available with wallwash and adjustable tilt option up to 25°

Housing

Versatile housing allows for multiple installation methods. Primarily designed as a remodeler to work with pre-installed sheetrock or panel ceiling systems up to 0.75" thick utilizing friction clips. For new construction environments, optional frame-in kits are available (Ordered Separately).

Thermal Management:

Effective thermal dissipation facilitated by integral cast-aluminum heat sink designed for maximum heat rejection to prolong LED life.

LED

Light Engine:

COB (Chip on Board) LED is field replaceable via quick disconnect terminals.
Meets CA Title 24 Requirements and other standards restricting the use of Medium Base and Bi-Pin sockets.

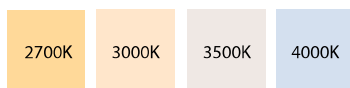
Lumen Maintenance:

Minimum 50,000 hours L70 life based on ANSI TM-21 calculation from LM80 standardized test results.

Color Temperature:

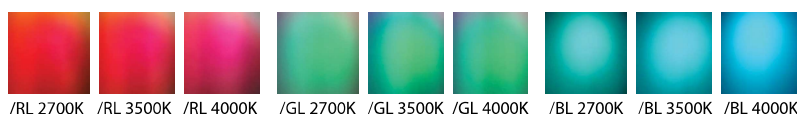
COLOR TEMP:	2700K	3000K	3500K	4000K
CRI:	90	90	90	90

Consult factory for availability of other color temperatures.



Filter Lenses:

Red Lens (/RL-15), Green Lens (/GL-15), and Blue Lens (/BL-15) shown below in 2700K, 3500K and 4000K color temperatures.



Binning:

3 SDCM binning is standard, with 2 SDCM available upon request. Consult Factory.

Trim Details

Die-cast seamless construction.
Adjustable trims have lockable tilt mechanism.

Reflector Optics:

Field-Changeable multifaceted TIR reflector locks into place on LED Light Engine.

Lens:

Provided with clear lens standard. Optional Filter Lens are available.

Finishes:

Reflectors are available in powder coated White (W), Black (B).
Consult Factory for Custom Color RAL finishes. (Charges may Apply)

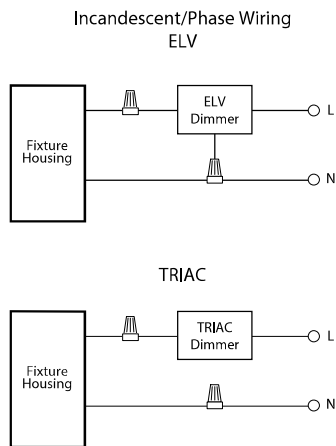
SPECIFICATION (Continued)

Drivers

Triac dimming to 7 %, 120V Only
 0-10V to 5%, 120V/277V (UE-D10)
 0-10V to 1%, 120V/277V (UE-D10P1)
 0-10V to 5%, 120V/277V, ELV, and Triac (UE-DUN)

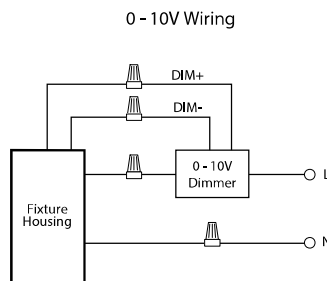
ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.



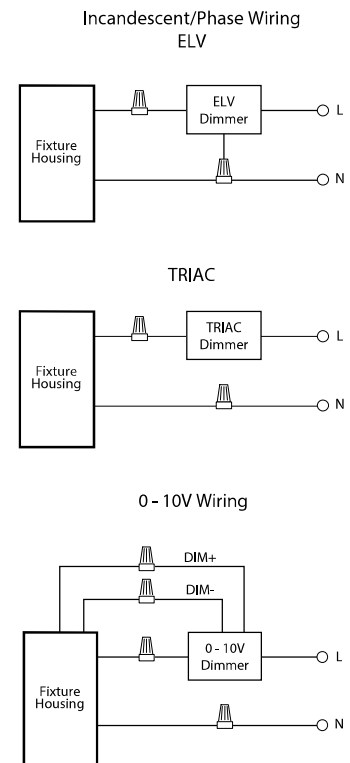
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.



UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.



Electrical Data

UL Class P rated, Programmable Constant Current Drivers
 Input Voltage – 120V & 277V, 50-60 HZ
 Input Current – 0.5A @ 120V, 0.23A @ 277V
 Power Factor – > 0.9
 Inrush Current – Meets NEMA-410 Requirements
 Efficiency – 90%

Certifications/Listings

PETL/cETL listing to UL1598 and UL8750 standards
 Title 24/JA8 Compliant

SPECIFICATION (Continued)

Warranty

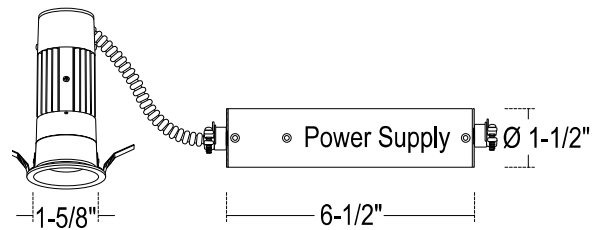
Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

Quick Ship Items

LRLD1521W-B20-Txx	LRLD1521JW-B20-Txx	LRXLD1521W-B20-Txx	LRXLD1521JW-B20-Txx
LRLD1521W-B40-Txx	LRLD1521JW-B40-Txx	LRXLD1521W-B40-Txx	LRXLD1521JW-B40-Txx
LRLD1521W-B50-Txx	LRLD1521JW-B50-Txx	LRXLD1521W-B50-Txx	LRXLD1521JW-B50-Txx

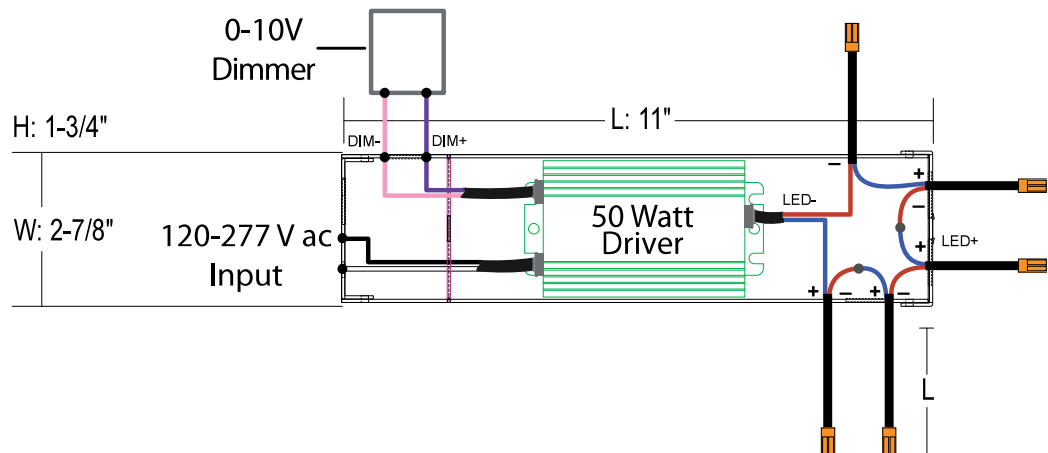
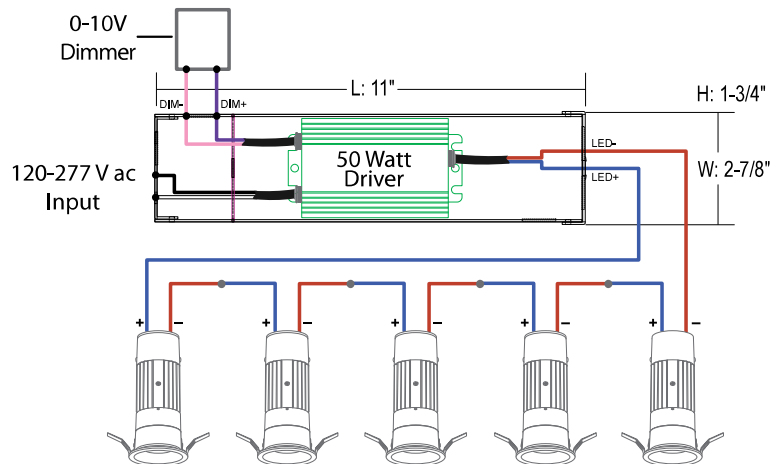
Integral Power Supply (INTJBX):

- 1 Integral power supply per fixture.
- Lightweight Aluminum.
- Slim Cylindrical Junction Box.
- 1/2" Conduit Fitting.



Remote Power Supply (RMTJBX):

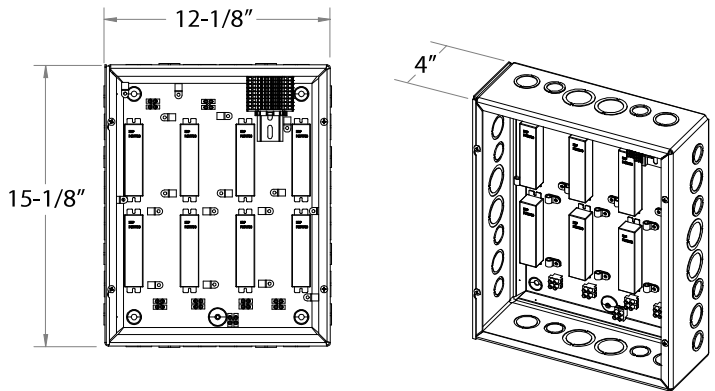
- 1 Remote supply for 2-5 fixtures.
- Max. remote distance 50 - 100 ft.
- Fixtures connected in series.
- Pre-wired whips with quick connectors available in 4ft, 6ft and 12ft (L).
- Consult Factory for larger lengths.
- JBX Dimensions: 11" x 2-7/8" x 1-3/4" (L x W x H)



SPECIFICATION (Continued)

Remote Panel Box (PNLJBX) / (PNLJBX2):

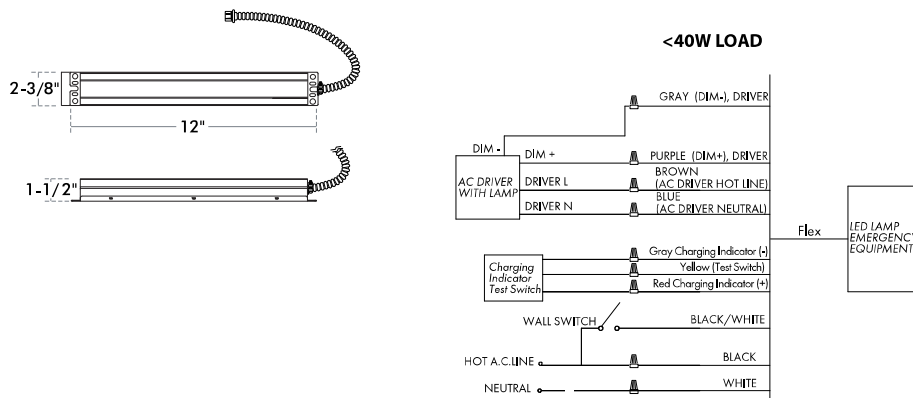
- Each 12" x 15" NEMA1 wall mounted enclosure can contain up to eight (8) 50W drivers and has a depth of 4".
- Constructed of 16 gauge steel with ANSI 61 gray powdercoat finish.
- Box has knockouts on all 4 sides for 1/2", 3/4", and 1" conduit and a screw down door.
- Box is cULus listed with a UNSPSC 39121301 code.
- Drivers come prewired with low voltage output to DIN terminals for poke in connections for 12-28 AWG wire as well as 0-10V dimming as standard.
- Input is 120V - 277V with screw down terminals, Input terminal is rated for 600V 30A for 18 -10AWG wire.
- Multiple boxes can be linked together.



Emergency Option (EMAC 40)

When AC power fails, provides 90 minutes of power to the luminaire. In the event of a power failure, the LED Emergency backup switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single enclosure.

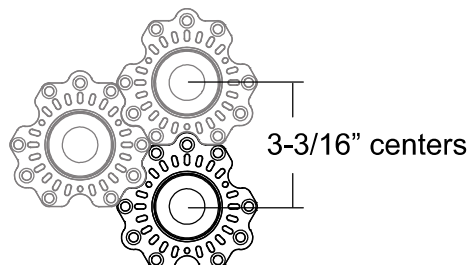
* Not for use with -CW (Cold Weather) option. Consult factory.



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	40W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	3500lm

Minimum Mounting Centers

Mud in mounting flanges interlock with each other for perfect alignment when tight spacing is required.



SPECIFICATION (Continued)

Title 24/JA8 Compliant

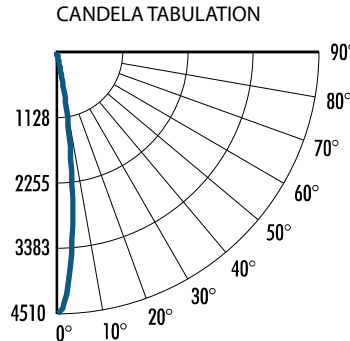
LRLD1521_-B_-T27	LRLD1521J_-B_-T27	LRLD1573_-B_-T27
LRLD1521_-B_-T30	LRLD1521J_-B_-T30	LRLD1573_-B_-T30
LRLD1521_-B_-T35	LRLD1521J_-B_-T35	LRLD1573_-B_-T35
LRLD1521_-B_-T40	LRLD1521J_-B_-T40	LRLD1573_-B_-T40
LRXLD1521_-B_-T27	LRXLD1521J_-B_-T27	LRXLD1573_-B_-T27
LRXLD1521_-B_-T30	LRXLD1521J_-B_-T30	LRXLD1573_-B_-T30
LRXLD1521_-B_-T35	LRXLD1521J_-B_-T35	LRXLD1573_-B_-T35
LRXLD1521_-B_-T40	LRXLD1521J_-B_-T40	LRXLD1573_-B_-T40

PHOTOMETRY - DOWNLIGHT & ADJUSTABLE (Data also applies for LRLD1521J, LRXLD1521, LRXLD1521J)

LRLD1521W-B15-T40 (800lm, 11W, 15°, 4000K)

System Power:	13.01W
Test Date:	08/2023
Beam Angle 50%:	14.2°
Field Angle 10%:	26.9°
Color Temperature:	3846K
CRI:	90
Lumens Delivered:	448
CBCP:	4499.12
Power Factor:	0.96

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.55
800lm (C050) :	1.00
TRIM COLOR	
White:	1.00
Black:	0.99
LOUVER	
With:	0.71
Without:	1.00
CCT	
2700K :	0.87
3000K :	0.99
3500K :	1.01
4000K :	1.00



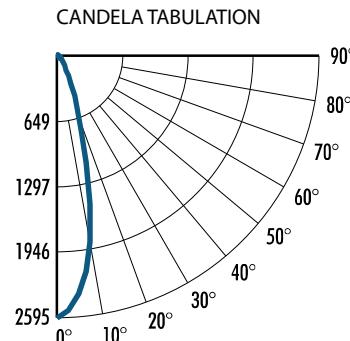
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	2.49'	44.99
15.0'	3.74'	20.00
20.0'	4.98'	11.25
25.0'	6.23'	7.20
30.0'	7.47'	5.00
35.0'	8.72'	3.67

LRLD1521W-B20-T40-C030-HO (1000lm, 12W, 20°, 4000K)

System Power:	12.65W
Test Date:	08/2023
Beam Angle 50%:	27.6°
Field Angle 10%:	52.5°
Color Temperature:	4034K
CRI:	94.5
Lumens Delivered:	743
CBCP:	2594.53
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.41
700lm (C020-HO) :	0.72
800lm (C050) :	0.77
1000lm (C030-HO) :	1.00
TRIM COLOR	
White:	1.00
Black:	0.99
LOUVER	
With:	0.71
Without:	1.00
CCT	
2700K :	0.87
3000K :	0.99
3500K :	1.01
4000K :	1.00



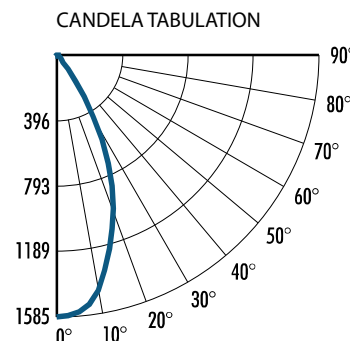
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	10.46'	25.95
15.0'	7.37'	11.53
20.0'	9.82'	6.49
25.0'	12.28'	4.15
30.0'	14.74'	2.88
35.0'	17.19'	2.12

LRLD1521W-B40-T40-C030-HO (1000lm, 12W, 40°, 4000K)

System Power:	12.63W
Test Date:	08/2023
Beam Angle 50%:	47.5°
Field Angle 10%:	72.3°
Color Temperature:	4054K
CRI:	94.7
Lumens Delivered:	968
CBCP:	1585.46
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.41
700lm (C020-HO) :	0.72
800lm (C050) :	0.77
1000lm (C030-HO) :	1.00
TRIM COLOR	
White:	1.00
Black:	0.99
LOUVER	
With:	0.71
Without:	1.00
CCT	
2700K :	0.87
3000K :	0.99
3500K :	1.01
4000K :	1.00



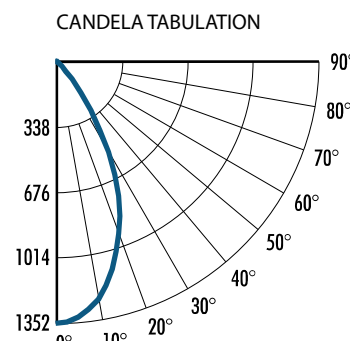
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	8.80'	15.85
12.0'	10.56'	11.01
15.0'	13.20'	7.05
20.0'	17.60'	3.96
25.0'	22.00'	2.54

LRLD1521W-B50-T40-C030-HO (1000lm, 12W, 50°, 4000K)

System Power:	12.75W
Test Date:	08/2023
Beam Angle 50%:	54.2°
Field Angle 10%:	79.8°
Color Temperature:	4039K
CRI:	94.8
Lumens Delivered:	1012
CBCP:	1352.43
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.41
700lm (C020-HO) :	0.72
800lm (C050) :	0.77
1000lm (C030-HO) :	1.00
TRIM COLOR	
White:	1.00
Black:	0.99
LOUVER	
With:	0.71
Without:	1.00
CCT	
2700K :	0.87
3000K :	0.99
3500K :	1.01
4000K :	1.00



FOOTCANDLE DISTRIBUTION

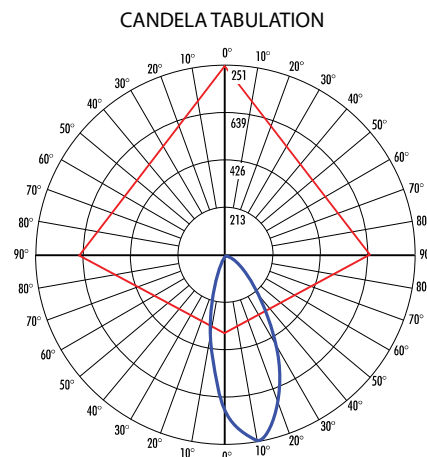
Height	Beam Diameter	FC
10.0'	10.23'	13.52
12.0'	12.28'	9.39
15.0'	15.35'	6.01
20.0'	20.47'	3.38
25.0'	25.59'	2.16

PHOTOMETRY - WALL WASH (Data also applies for LRXLD1573B)

LRLD1573B-T40-C030-HO (1000lm, 12W, Wall Wash, 4000K)

Input Voltage:	120V
System Power:	12.65W
Test Date:	10/2023
Color Temperature:	3935K
CRI:	94.6
Lumens Delivered:	560
CBCP:	846.86
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.41
700lm (C020-HO) :	0.71
800lm (C050) :	0.76
1000lm (C030-HO):	1.00
TRIM COLOR	
White:	1.01
Black:	1.00
CCT	
2700K :	0.87
3000K :	0.99
3500K :	1.01
4000K :	1.00



PERFORMANCE DATA

LUMINAIRE SPACED 2.5' FROM WALL

Footcandles On Wall

