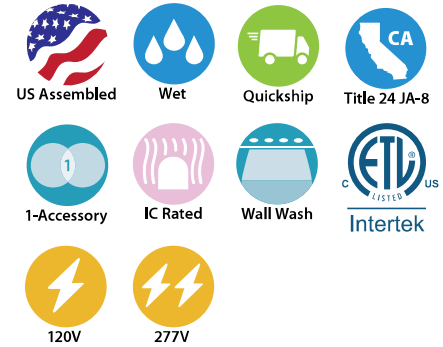
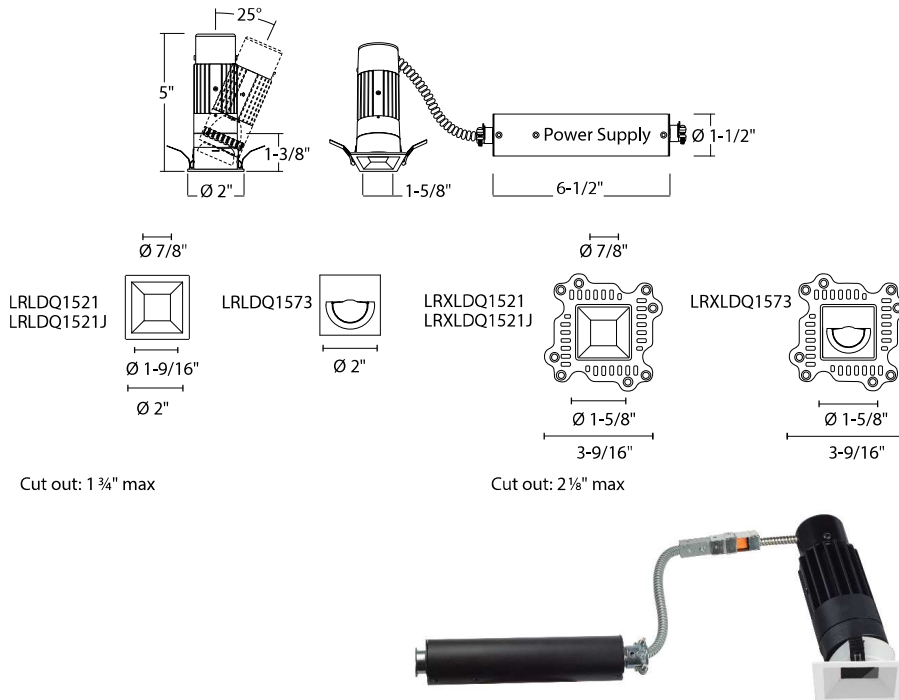


LRLDQ15 : 1.5" P-SERIES

MICRO RECESSED LED, SQUARE 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 : LRLDQ1521B-B20-T27-WL/LD5INTJBX-D01-C025-DIN/RL-15

LRLDQ15xxx

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

Trim	Finish	Beam	Color Temp.	Lumens	Rating	Accessories
FLANGED						FILTER LENS
Downlight	LRLDQ1521	Black B	2700K (90 CRI) -T27			Clear Lens Blank
Adjustable Downlight	LRLDQ1521J²	White W	3000K (90 CRI) -T30			Red Lens /RL-15
Wallwash	LRLDQ1573	Matte Gold MG¹	3500K (90 CRI) -T35			Yellow Lens /YL-15
		Custom CC¹	4000K (90 CRI) -T40			Blue Lens /BL-15
			3000K-1800K Warm-Dimming -TWD			Green Lens /GL-15
TRIMLESS		Beam				Black Hex Cell Louver -LVR
Downlight	LRXLDQ1521	Standard, Wallwash only Blank				Frosted Soft Focus -SFL
Adjustable Downlight	LRXLDQ1521J²	15° Beam -B15^{1,3}	Lumens			Micro Prismatic Spread Lens -MPL
Wallwash	LRXLDQ1573	20° Beam -B20	Standard Output Module 500lm, 800lm Blank			
		40° Beam -B40	High Output Module 700lm, 1000lm -HO^{1,4}			
		50° Beam -B50				
			Rating			
			Airtight Lensed (Wet Location) -WL			

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).

LRLDQ15xxx

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-HO⁴ 1000lm (12W) -C030-HO⁶	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

LRLDQ15xxx

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		

LRLDQ15xxx

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 -D01² 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 (600lm, 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 (600lm, 9W).

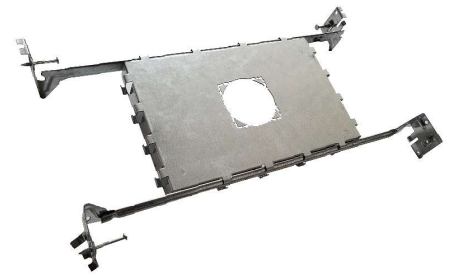
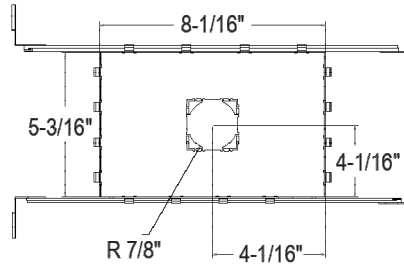
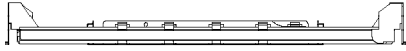
NEW CONSTRUCTION FRAMES

/LHLD15-FRM

Non-IC (Flanged)

Fits the following:

LRLD1521 LRLDQ1521
LRLD1521J LRLDQ1521J
LRLD1573 LRLDQ1573

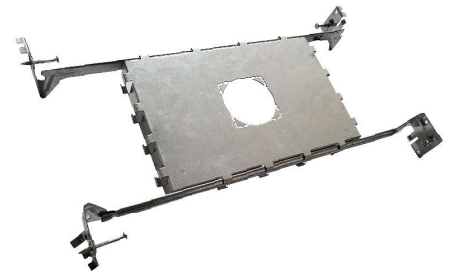
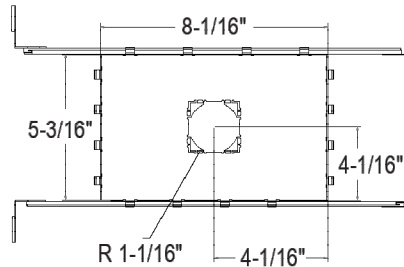
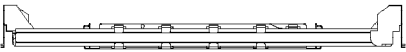


/LHXL15-FRM

Non-IC (Trimless)

Fits the following:

LRXL1521 LRXLQ1521
LRXL1521J LRXLQ1521J
LRXL1573 LRXLQ1573

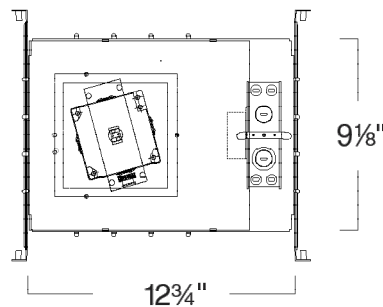
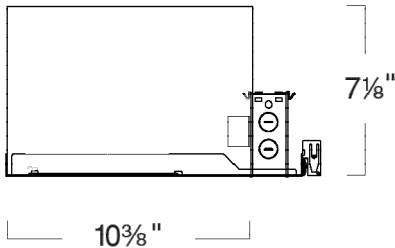


/LHQD15IC-FRM

Type IC (Flanged/Trimless)

Fits the following:

LRLDQ1521 LRXLQ1521
LRLDQ1521J LRXLQ1521J
LRXLQ1573 LRXLQ1573

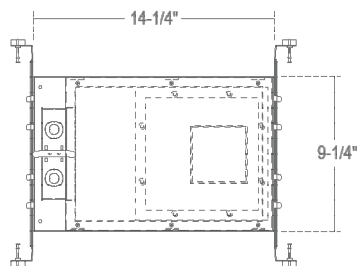
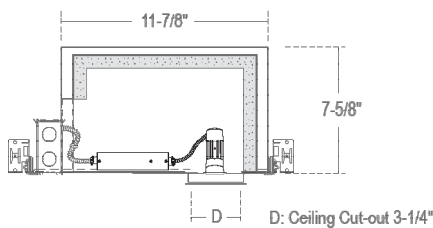


/LHFRDQ15-FRM

Fire-Rated Frame Type IC/1-Hour

Fits the following:

LRLDQ1521 LRXLQ1521
LRLDQ1521J LRXLQ1521J
LRXLQ1573 LRXLQ1573



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 replacable via quick disconnect terminals.
Meets CA Title 24 Requirements and other standards restricting the use of Medium Base and Bi-Pin sockets.

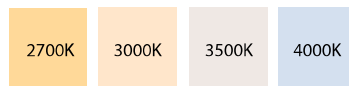
Lumen Maintenance:

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

Color Temperature:

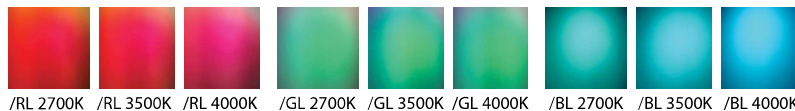
COLOR TEMP:	2700K	3000K	3500K	4000K
CRI:	90	90	90	90

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)

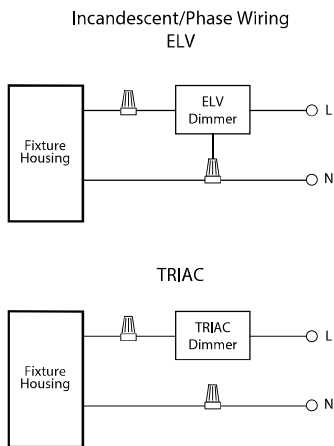
SPECIFICATION (Continued)

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)

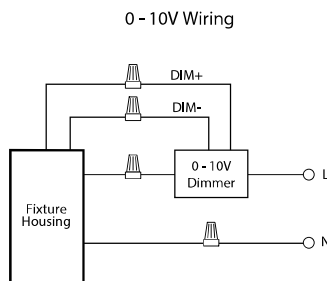
ELV and TRIAC Driver 120V (-DIN):

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.



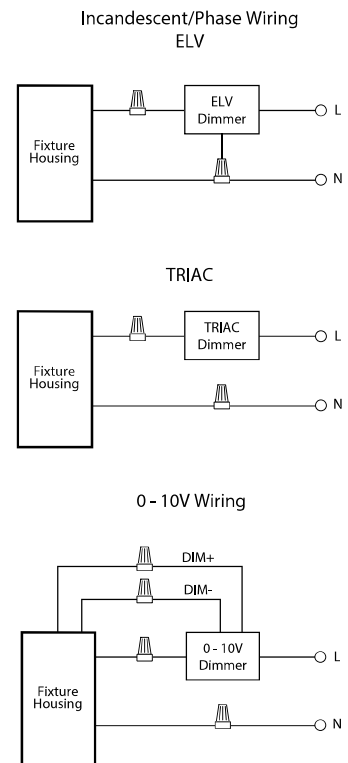
0-10V Driver 120V/277V (UE-D10):

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

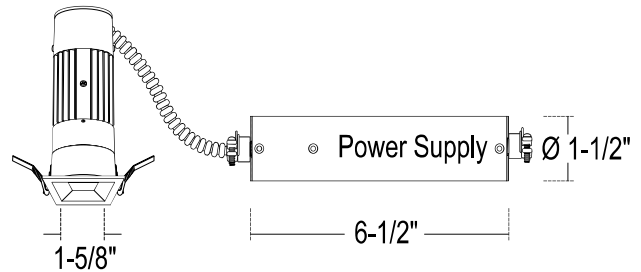
Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

Quick Ship Items

LRLDQ1521W-B20-Txx	LRLDQ1521JW-B20-Txx	LRXLDQ1521W-B20-Txx	LRXLDQ1521JW-B20-Txx
LRLDQ1521W-B40-Txx	LRLDQ1521JW-B40-Txx	LRXLDQ1521W-B40-Txx	LRXLDQ1521JW-B40-Txx
LRLDQ1521W-B50-Txx	LRLDQ1521JW-B50-Txx	LRXLDQ1521W-B50-Txx	LRXLDQ1521JW-B50-Txx

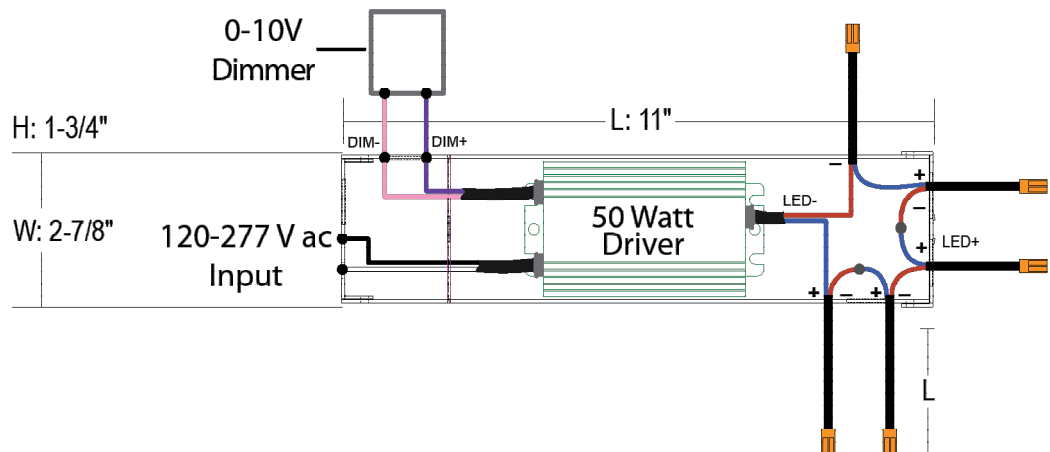
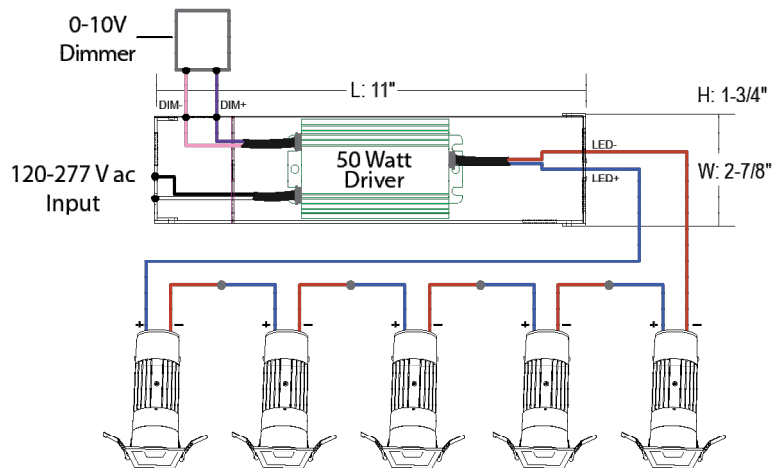
Integral Power Supply (INTJBX):

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



Remote Power Supply (RMTJBX):

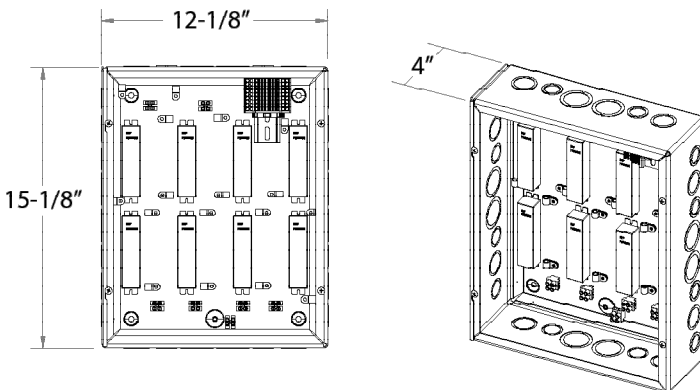
- 1 Remote supply for 2-5 fixtures.
- Max. remote distance 50 - 100 ft.
- Fixtures connected in series.
- Pre-wired whips with quick connectors available in 4ft, 6ft and 12ft (L).
- Consult Factory for larger lengths.
- JBX Dimensions: 11" x 2-7/8" x 1-3/4" (L x W x H)



SPECIFICATION (Continued)

Remote Panel Box (PNLJBX) / (PNLJBX2):

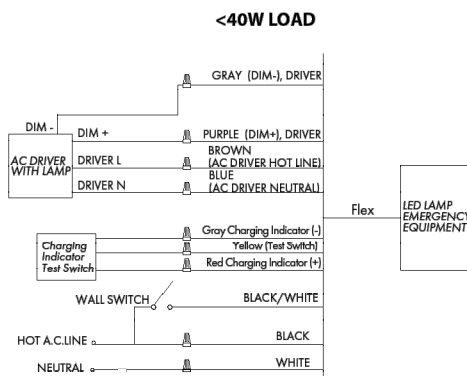
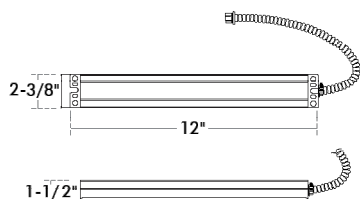
- Each 12" x 15" NEMA1 wall mounted enclosure can contain up to eight (8) 50W drivers and has a depth of 4".
- Constructed of 16 gauge steel with ANSI 61 gray powdercoat finish.
- Box has knockouts on all 4 sides for 1/2", 3/4" and 1" conduit and a screw down door.
- Box is cULus listed with a UNSPSC 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.

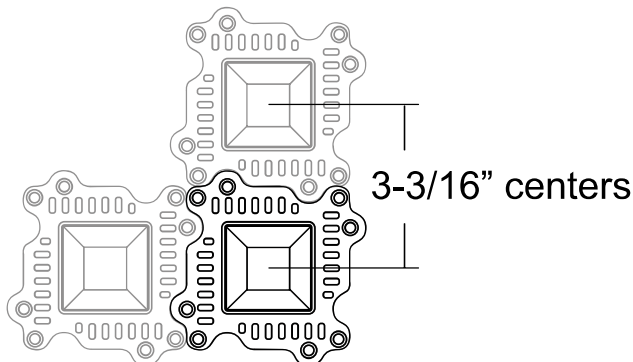
* Not for use with -CW (Cold Weather) option. Consult factory.



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

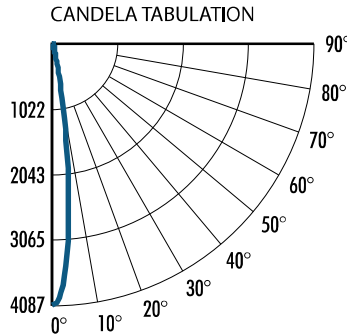
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LRLDQ1521_-B_-T30	LRLDQ1521J_-B_-T30	LRLDQ1573_-B_-T30
LRLDQ1521_-B_-T35	LRLDQ1521J_-B_-T35	LRLDQ1573_-B_-T35
LRLDQ1521_-B_-T40	LRLDQ1521J_-B_-T40	LRLDQ1573_-B_-T40
LRXLDQ1521_-B_-T27	LRXLDQ1521J_-B_-T27	LRXLDQ1573_-B_-T27
LRXLDQ1521_-B_-T30	LRXLDQ1521J_-B_-T30	LRXLDQ1573_-B_-T30
LRXLDQ1521_-B_-T35	LRXLDQ1521J_-B_-T35	LRXLDQ1573_-B_-T35
LRXLDQ1521_-B_-T40	LRXLDQ1521J_-B_-T40	LRXLDQ1573_-B_-T40

PHOTOMETRY - DOWNLIGHT & ADJUSTABLE *(Data also applies for LRLDQ1521J, LRXLDQ1521, LRXLDQ1521J)*

LRLDQ1521W-B15-T40 (800lm, 11W, 15°, 4000K)

System Power:	12.92W
Test Date:	08/2023
Beam Angle 50%:	13.6°
Field Angle 10%:	24.7°
Color Temperature:	3854K
CRI:	90
Lumens Delivered:	356
CBCP:	4086.69
Power Factor:	0.96

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.60
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



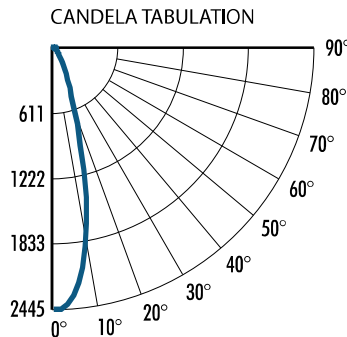
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	2.38'	40.87
15.0'	3.58'	18.16
20.0'	4.77'	10.22
25.0'	5.96'	6.54
30.0'	7.15'	4.54
35.0'	8.35'	3.34

LRLD1521QW-B20-T40-C030-HO (1000lm, 12W, 20°, 4000K)

System Power:	12.85W
Test Date:	08/2023
Beam Angle 50%:	26.5°
Field Angle 10%:	49.2°
Color Temperature:	4064K
CRI:	94.1
Lumens Delivered:	638
CBCP:	2444.5
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.45
700lm (C020-HO) :	0.71
800lm (C050) :	0.85
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



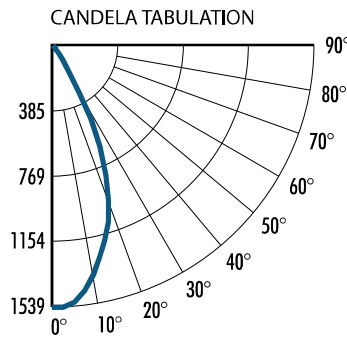
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	4.71'	24.45
15.0'	7.06'	16.98
20.0'	9.42'	9.55
25.0'	11.77'	6.11
30.0'	14.13'	4.24
35.0'	16.48'	3.12

LRLD1521QW-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) :	0.45
700lm (C020-HO) :	0.71
800lm (C050) :	0.85
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



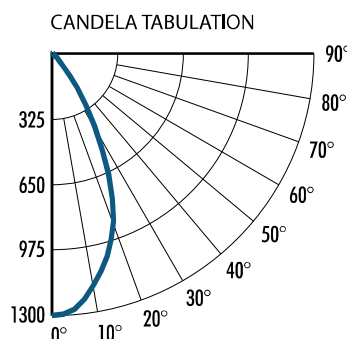
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	8.59'	17.19
12.0'	10.31'	11.94
15.0'	12.89'	7.64
20.0'	17.19'	4.30
25.0'	21.48'	2.75

LRLD1521QW-B50-T40-C030-HO (1000lm, 12W, 50°, 4000K)

System Power:	12.59W
Test Date:	08/2023
Beam Angle 50%:	50.6°
Field Angle 10%:	77.5°
Color Temperature:	4025K
CRI:	95.1
Lumens Delivered:	880
CBCP:	1299.92
Power Factor:	0.99

MULTIPLIERS	
LUMEN OUTPUT	
500lm (C025) :	0.45
700lm (C020-HO) :	0.71
800lm (C050) :	0.85
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'	9.45'	11.75
12.0'	11.34'	8.16
15.0'	14.18'	5.22
20.0'	18.91'	2.94
24.0'	22.69'	2.04

PHOTOMETRY - WALL WASH (Data also applies for LRLDQ1573B)

LRLDQ1573B-T40-C030-HO (1000lm, 12W, Wall Wash, 4000K)

Input Voltage:	120V	MULTIPLIERS
System Power:	12.45W	LUMEN OUTPUT
Test Date:	10/2023	500lm (C025) : 0.48
Color Temperature:	3913K	700lm (C020-HO) : 0.87
CRI:	95.1	800lm (C050) : 0.89
Lumens Delivered:	566	1000lm (C030-HO): 1.00
CBCP:	846.86	TRIM COLOR
Power Factor:	0.99	White: 1.01
		Black: 1.00
		CCT
		2700K : 0.87
		3000K : 0.99
		3500K : 1.01
		4000K : 1.00

CANDELA TABULATION

PERFORMANCE DATA
LUMINAIRE SPACED 2.5' FROM WALL

Footcandles On Wall

