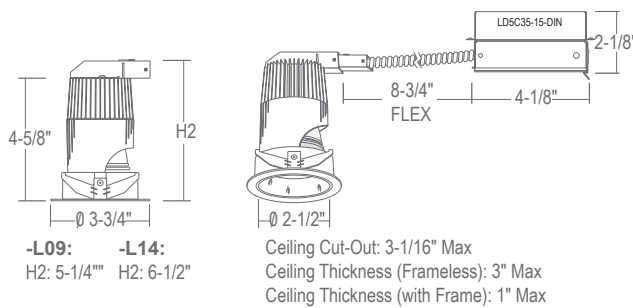


LRLD25: 2.5" P·SERIES

RECESSED LED - ROUND FLANGED, 1000LM - 2400LM (15W-30W)



LRLD2521
Downlight



LRLD2521J
25° Adj. Accent



LRLD2571
40° Adj. Accent



- 1000lm (15W), 1400lm (22W) and 2400lm (30W) lumen packages
- Equivalent to 75W MR16 Output
- Ideal where space is limited and energy savings is important
- Field Replaceable Beam Spread Optics
- Lockable Tilt
- 0.5% for 1000lm (-L09), 5% dimming for 1400lm (-L14) and 2400lm (-L24)

ORDERING : LRLD2521SW-L09-B25-T27UE-DUN-WL

LRLD2521

Fixture	Reflector Finish/ Material	Trim Ring Finish	Lumens	Beam Spread	Color Temp	Driver	Rating	Accessories	Optional Frames
Fixture			Lumens		Driver			Accessories	
Downlight	LRLD2521		1000lm (15W)	-L09^{2,7}	120V, Triac Dimming	Blank		COLOR LENS	
25° Adj. Accent	LRLD2521J		1400lm (22W)	-L14^{4,7}	0-10V Dimming	UE-D10		Clear Lens	/L38
40° Adj. Accent	LRLD2571		2400lm (30W)	-L24^{4,6}	120V/277V UniDim™	UE-DUN⁷		Red Lens	/L39
					0-10V, ELV, Triac Dimming (5%)			Yellow Lens	/L40
								Blue Lens	/L41
Reflector Finish/Material ⁹			Beam Spread						
Matte White/DC	W		10° Narrow Spot	-B10¹	0-10V Dimming (1%)	UE-DUN		Amber Lens	/L42
Specular Clear/PC	C		25° Narrow Flood	-B25	Lutron EcoSystem	-DEC⁸		Green Lens	/L43
Specular Black/PC	B		35° Flood	-B35	Dimming (1%)			Daylight Blue Lens	/L44
Satin Haze/DC	S		60° Wide Flood	-B60⁵	DALI Dimming	-DLI⁸		Violet Blue Lens	/L46
Specular Graphite/PC	RP		Color Temperature		Rating			FILTER LENS	
Matte Gold/PC	MG		3000K (90 CRI)	Blank	None	Blank		Black Hex Cell Louver	/LL16-HD-B
			3000K (97 CRI)	-C97	Airtight Lensed (Wet Location)	-WL³		Frosted Soft Focus	/L49
Trim Ring Finish			1700K (90 CRI)	-T17				Ultra Violet Filter	/L50UV
White	W		2700K (90 CRI)	-T27	4" JBox (Chicago Plenum)	-JB-CHP		Micro Prismatic Spread Lens	/L53
Black	B		2700K (97 CRI)	-T27-C97				Micro Prismatic Spread Lens (Light Diffuse)	/L54
			3500K (90 CRI)	-T35				Linear Spread Lens	/L55
			4000K (90 CRI)	-T40					
			3000K - 1800K Warm Dimming	-TWD^{2,4}					

¹ Not field changeable.

² Warm Dimming (-TWD) only available for 1000lm (-L09) lumen package.

³ Airtight Lensed (Wet Location) (-WL) not available for LRLD2571.

⁴ (-TWD) Warming Dimming, (-L14) 1400lm and (-L24) 2400lm are not available for both LHLD25IC-FBM (IC) or LHEBLD25 (Fire-Rated)

⁵ Achieved through a filter at 60° aperture level.

⁶ (-B10) Beam Spread, (-T17) 1700K color temperature, (-DEC) Lutron EcoSystem, and (-TWD) Warm Dimming options are not available for 2400lm (-L24) lumen package.

⁷ (-L09), and (-L14) lumen packages with 120V/277V UniDim™ (UE-DUN) driver option are Energy Star Certified.

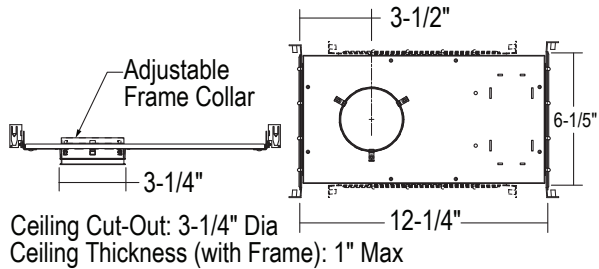
⁸ Special order, minimum order. Extended lead time may apply. Consult Factory. Consult factory for emergency battery options.

⁹ **PC:** Diecast (Paint applied finish), **PC:** Polycarbonate (Vacuum metalized finish).

OPTIONAL FRAMES

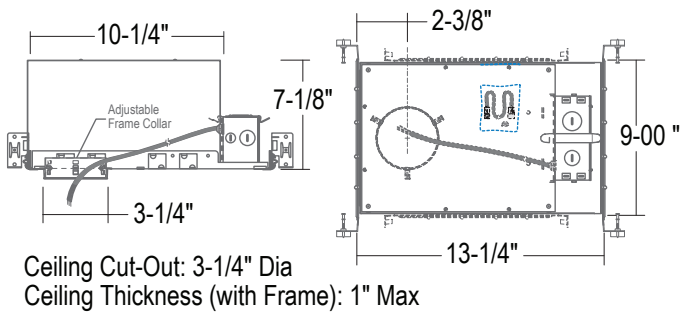
LHLD25-FRM

New Construction Frame (Round)



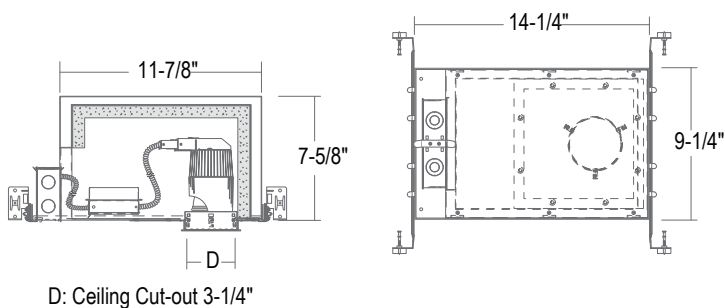
LHLD25IC-FRM

New Construction IC (Insulation Contact) Frame (Round)



LHFRLD25

2.5" Fire-Rated Frame (Round)



SPECIFICATION

Application

Perfect for ambient and task downlighting in low to medium height ceilings and high-end residential and commercial applications.

LRLD2521 - Standard Downlight.

LRLD2521J - Adjustable accent tilts up to 25°, rotates up to 357°, and hot aiming to accent architectural features.

LRLD2571 - Adjustable accent tilts up to 40°, rotates up to 357°, and hot aiming to accent architectural features.

Housing

Suitable for remodel or new construction installations. Designed to secure to existing sheet rock or panel ceilings up to 3" thick. For added support in weak ceilings, LRLD25 Frames can be used.

Thermal Management:

Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Junction Box

(L09 - 120V Triac Option) - 24 gauge pre-wired galvanized steel Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/4" Romex knock-outs. Remove covers for easy access and ground wire.

Alternate Junction Box: 18 gauge pre-wired aluminum Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/2" knock-outs. Remove covers for easy access and ground wire.

For 1/2" Pipe or Flex-Conduit (LITON# PCT031) Fitting Adaptor should be used. Consult Factory.

Trim Ring

Friction clips hold Round trim and LED Light Engine secure to sheet rock ceiling or Housing Frame.

Reflector

Multifaceted Specular Reflector locks into place on LED Light Engine.

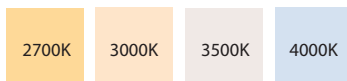
Optics

LED Light Engine:

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

Color Temperature:

Comes standard with 3000K (90 CRI) Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 1700K, 2700K, 3500K, 4000K, (90 CRI), and 2700K, 3000K, (97 CRI). Also available with 3000K-1800K Warm Dimming.



SPECIFICATION (Continued)

Beam Spread:	Available in 10° (-B10), 25° (-B25), 35° (-B35), and 60° (-B60).
Lumen Maintenance:	Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Electrical Components

Dimming - Standard driver is 120V, triac dimming to 0.5% for 1000lm (-L09), 5% dimming for 1400lm (-L14) and 2400lm (-L24). Optional 120V/277V 0-10V (UE-D10) dimming works with most 5-wire, 0-10V dimmers. Optional UniDim™ (UE-DUN) for 120V/277V 0-10V, ELV triac dimming (5%). Optional 120V/277V 0-10V dimming (1%) (UE-D10P1). Lutron EcoSystem dimming (1%) is also available, special order, minimum, order, lead times apply.

Finishes

Reflector available in W-Matte White/DC, B - Specular Black/PC, C - Specular Clear/PC, RP - Specular Graphite/PC, S - Satin Haze/DC and MG - Matte Gold/PC. Trim ring available in W - White and B - Black. **DC:** Diecast, **PC:** Polycarbonate.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937. CCEA (City of Chicago Environmental Air) Certified: Conforms to CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

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.

Optional Frames & Accessories

LHLD25-FRM - New Construction Frame (Round). Suitable for new construction and remodel installations. Adjusts up to 1" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

LHLD25IC-FRM - New Construction IC Frame (Round). Rated for direct contact with low to medium density loosefill blown and rolled insulation. Adjusts up to 1" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

LHFRD25 - 2.5" Fire-Rated Frame (Round). Patented 3-stage fire-resistant technology is IC Rated and airtight with a one-hour fire rating. New construction frame eliminates manually constructed drywall enclosures saving labor, materials and time.

SPECIFICATION (Continued)

Title 24/JA8 Compliant

LRLD2521_-L09-B_-T27	LRLD2521J_-L09-B_-T27	LRLD2571_-L09-B_-T27
LRLD2521_-L09-B_	LRLD2521J_-L09-B_	LRLD2571_-L09-B_
LRLD2521_-L09-B_-T35	LRLD2521J_-L09-B_-T35	LRLD2571_-L09-B_-T3
LRLD2521_-L09-B_-T40	LRLD2521J_-L09-B_-T40	LRLD2571_-L09-B_-T40
LRLD2521_-L14-B_-T27UE-DUN	LRLD2521J_-L14-B_-T27UE-DUN	LRLD2571_-L14-B_-T27UE-DUN
LRLD2521_-L14-B_-UE-DUN	LRLD2521J_-L14-B_-UE-DUN	LRLD2571_-L14-B_-UE-DUN
LRLD2521_-L14-B_-T35UE-DUN	LRLD2521J_-L14-B_-T35UE-DUN	LRLD2571_-L14-B_-T35UE-DUN
LRLD2521_-L14-B_-T40UE-DUN	LRLD2521J_-L14-B_-T40UE-DUN	LRLD2571_-L14-B_-T40UE-DUN

Energy Star Certified

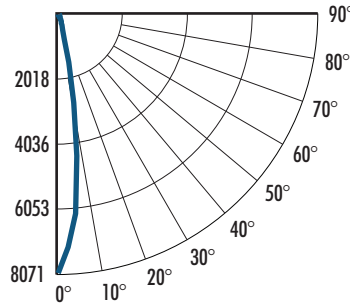
(-L09), and (-L14) lumen packages with 120V/277V UniDim™ (UE-DUN) driver option are Energy Star Certified.

PHOTOMETRY

LRLD2521WW-L09B10-C90 (1000lm, 10°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	7/26/2018	Lumens
Beam Angle 50%:	15.7°	1000lm (L09) : 1.00
Field Angle 10%:	29.6°	1400lm (L14) : 1.54
Color Temperature:	3000K	CRI
CRI:	90	80CRI (Blank): 1.17
Lumens Delivered:	926.7	90CRI (-C90): 1.00
CBCP:	8071	97CRI (-C97): 0.90
Power Factor:	>0.90	CCT
		4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

CANDELA TABULATION



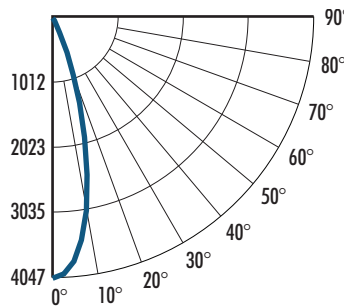
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	4.1'	35.9
20.0'	5.5'	20.2
25.0'	6.9'	12.9
30.0'	8.3'	9.0
35.0'	9.7'	6.6

LRLD2521WW-L09B25-C90 (1000lm, 25°, 3000K)

System Power:	15.1W	MULTIPLIERS
Test Date:	1/20/2017	Lumens
Beam Angle 50%:	29.2°	1000lm (L09) : 1.00
Field Angle 10%:	47.9°	1400lm (L14) : 1.54
Color Temperature:	3163K	CRI
CRI :	93.2	80CRI (Blank): 1.17
R9 Value:	71.9	90CRI (-C90): 1.00
Lumens Delivered:	1040lm	97CRI (-C97): 0.90
CBCP:	4047cd	CCT
Power Factor:	>0.90	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

CANDELA TABULATION



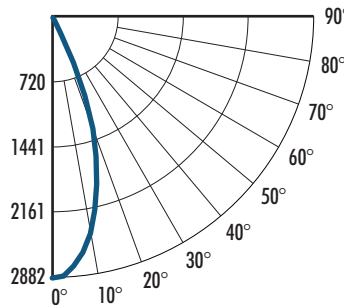
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	7.8'	18.0
20.0'	10.4'	10.1
25.0'	13.0'	6.5
30.0'	15.6'	4.5
35.0'	18.2'	3.3

LRLD2521WW-L09B35-C90 (1000lm, 35°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	1/20/2017	Lumens
Beam Angle 50%:	37.9°	1000lm (L09) : 1.00
Field Angle 10%:	55.0°	1400lm (L14) : 1.54
Color Temperature:	3170K	CRI
CRI :	92	80CRI (Blank): 1.17
R9 Value:	66.6	90CRI (-C90): 1.00
Lumens Delivered:	1079	97CRI (-C97): 0.90
CBCP:	2882	CCT
Power Factor:	>0.90	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

CANDELA TABULATION



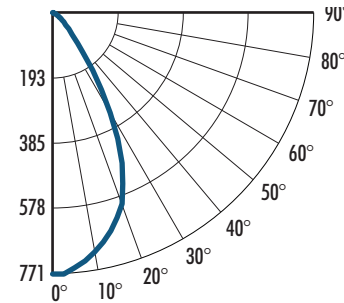
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	10.3'	12.8
20.0'	13.7'	7.2
25.0'	17.2'	4.6
30.0'	20.6'	3.2
35.0'	24.0'	2.4

LRLD2521WW-L09B60-C90 (1000lm, 60°, 3000K)

System Power:	15.4W	MULTIPLIERS
Test Date:	10/17/2017	Lumens
Beam Angle 50%:	57.1°	1000lm (L09) : 1.00
Field Angle 10%:	88.1°	1400lm (L14) : 1.54
Color Temperature:	3070K	CRI
CRI :	94.7	80CRI (Blank): 1.17
R9 Value:	71.8	90CRI (-C90): 1.00
Lumens Delivered:	717	97CRI (-C97): 0.90
CBCP:	771	CCT
Power Factor:	0.97	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

CANDELA TABULATION



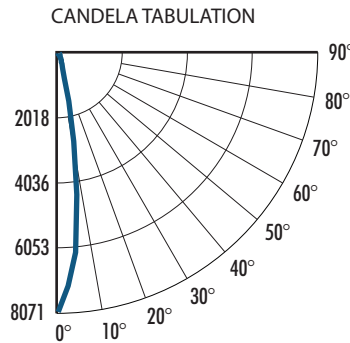
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	6.5'	21.4
8.0'	8.7'	12.0
10.0'	10.9'	7.7
12.0'	13.1'	5.4
16.0'	17.4'	3.0

PHOTOMETRY (Continued)

LRLD2521JWW-L09B10-C90 (1000lm, 10°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	7/26/2018	Lumens
Beam Angle 50%:	15.7°	1000lm (L09): 1.00
Field Angle 10%:	29.6°	1400lm (L14): 1.43
Color Temperature:	3000K	CRI
CRI:	90	80CRI (Blank): 1.17
Lumens Delivered:	926.7	90CRI (-C90): 1.00
CBCP:	8071	97CRI (-C97): 0.90
Power Factor:	>0.90	CCT
		4000K: 1.03
		3500K: 1.02
		3000K: 1.00
		2700K: 0.96
		2500K: 0.79
		1700K: 0.54

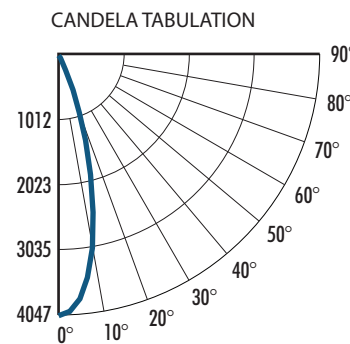


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	4.1'	35.9
20.0'	5.5'	20.2
25.0'	6.9'	12.9
30.0'	8.3'	9.0
35.0'	9.7'	6.6

LRLD2521JWW-L09B25-C90 (1000lm, 25°, 3000K)

System Power:	15.1W	MULTIPLIERS
Test Date:	1/20/2017	Lumens
Beam Angle 50%:	29.2°	1000lm (L09): 1.00
Field Angle 10%:	47.9°	1400lm (L14): 1.35
Color Temperature:	3163K	CRI
CRI:	93.2	80CRI (Blank): 1.17
R9 Value:	71.9	90CRI (-C90): 1.00
Lumens Delivered:	1040	97CRI (-C97): 0.90
CBCP:	4047	CCT
Power Factor:	>0.90	4000K: 1.03
		3500K: 1.02
		3000K: 1.00
		2700K: 0.96
		2500K: 0.79
		1700K: 0.54

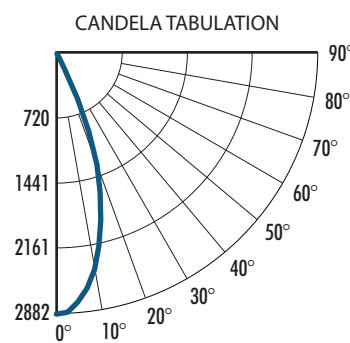


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	7.8'	18.0
20.0'	10.4'	10.1
25.0'	13.0'	6.5
30.0'	15.6'	4.5
35.0'	18.2'	3.3

LRLD2521JWW-L09B35-C90 (1000lm, 35°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	1/20/2017	Lumens
Beam Angle 50%:	37.9°	1000lm (L09): 1.00
Field Angle 10%:	55.0°	1400lm (L14): 1.30
Color Temperature:	3170K	CRI
CRI:	92	80CRI (Blank): 1.17
R9 Value:	66.6	90CRI (-C90): 1.00
Lumens Delivered:	1079	97CRI (-C97): 0.90
CBCP:	2882	CCT
Power Factor:	>0.90	4000K: 1.03
		3500K: 1.02
		3000K: 1.00
		2700K: 0.96
		2500K: 0.79
		1700K: 0.54

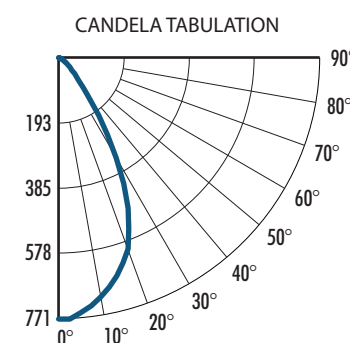


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	10.3'	12.8
20.0'	13.7'	7.2
25.0'	17.2'	4.6
30.0'	20.6'	3.2
35.0'	24.0'	2.4

LRLD2521JWW-L09B60-C90 (1000lm, 60°, 3000K)

System Power:	15.4W	MULTIPLIERS
Test Date:	10/17/2017	Lumens
Beam Angle 50%:	57.1°	1000lm (L09): 1.00
Field Angle 10%:	88.1°	1400lm (L14): 1.95
Color Temperature:	3070K	CRI
CRI:	94.7	80CRI (Blank): 1.17
R9 Value:	71.8	90CRI (-C90): 1.00
Lumens Delivered:	717lm	97CRI (-C97): 0.90
CBCP:	771cd	CCT
Power Factor:	0.97	4000K: 1.03
		3500K: 1.02
		3000K: 1.00
		2700K: 0.96
		2500K: 0.79
		1700K: 0.54



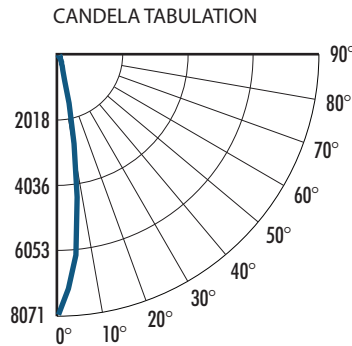
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	6.5'	21.4
8.0'	8.7'	12.0
10.0'	10.9'	7.7
12.0'	13.1'	5.4
16.0'	17.4'	3.0

PHOTOMETRY (Continued)

LRLD2571WW-L09B10-C90 (1000lm, 10°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	7/26/2018	Lumens
Beam Angle 50%:	15.7°	1000lm (L09) : 1.00
Field Angle 10%:	29.6°	1400lm (L14) : 1.44
Color Temperature:	3000K	CRI
CRI:	90	80CRI (Blank): 1.17
Lumens Delivered:	926.7	90CRI (-C90): 1.00
CBCP:	8071	97CRI (-C97): 0.90
Power Factor:	>0.90	CCT
		4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

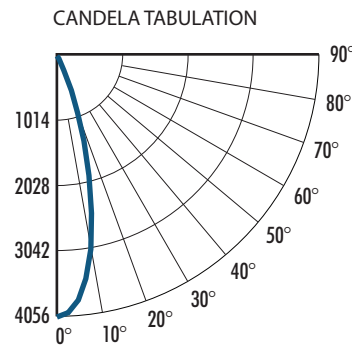


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	4.1'	35.9
20.0'	5.5'	20.2
25.0'	6.9'	12.9
30.0'	8.3'	9.0
35.0'	9.7'	6.6

LRLD2571WW-L09B25-C90 (1000lm, 25°, 3000K)

System Power:	15.1W	MULTIPLIERS
Test Date:	7/30/2018	Lumens
Beam Angle 50%:	29.1°	1000lm (L09) : 1.00
Field Angle 10%:	47.8°	1400lm (L14) : 1.36
Color Temperature:	3163K	CRI
CRI:	93.2	80CRI (Blank): 1.17
R9 Value:	71.8	90CRI (-C90): 1.00
Lumens Delivered:	1085	97CRI (-C97): 0.90
CBCP:	4067	CCT
Power Factor:	>0.90	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

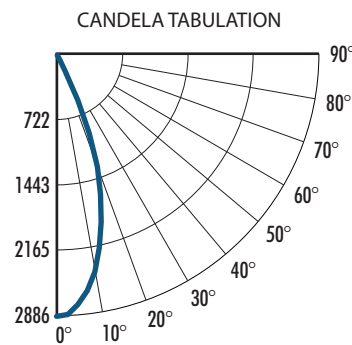


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	7.8'	18.1
20.0'	10.4'	10.2
25.0'	13.0'	6.5
30.0'	15.6'	4.5
35.0'	18.2'	3.3

LRLD2571JWW-L09B35-C90 (1000lm, 35°, 3000K)

System Power:	15.0W	MULTIPLIERS
Test Date:	7/30/2018	Lumens
Beam Angle 50%:	37.9°	1000lm (L09) : 1.00
Field Angle 10%:	53.6°	1400lm (L14) : 1.31
Color Temperature:	3170K	CRI
CRI:	92	80CRI (Blank): 1.17
R9 Value:	66.6	90CRI (-C90): 1.00
Lumens Delivered:	1126	97CRI (-C97): 0.90
CBCP:	2888	CCT
Power Factor:	>0.90	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54

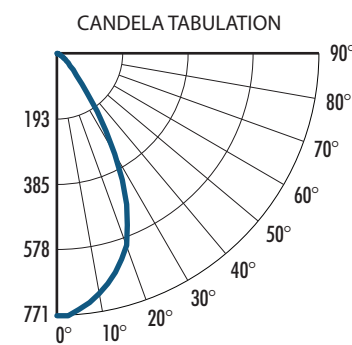


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
15.0'	10.3'	12.8
20.0'	13.7'	7.2
25.0'	17.2'	4.6
30.0'	20.6'	3.2
35.0'	24.0'	2.4

LRLD2571JWW-L09B60-C90 (1000lm, 60°, 3000K)

System Power:	15.4W	MULTIPLIERS
Test Date:	7/30/2018	Lumens
Beam Angle 50%:	57.1°	1000lm (L09) : 1.00
Field Angle 10%:	88.1°	1400lm (L14) : 1.98
Color Temperature:	3070K	CRI
CRI:	94.7	80CRI (Blank): 1.17
R9 Value:	71.8	90CRI (-C90): 1.00
Lumens Delivered:	717	97CRI (-C97): 0.90
CBCP:	771	CCT
Power Factor:	0.97	4000K : 1.03
		3500K : 1.02
		3000K : 1.00
		2700K : 0.96
		2500K : 0.79
		1700K : 0.54



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6.0'	6.5'	21.4
8.0'	8.7'	12.0
10.0'	10.9'	7.7
12.0'	13.1'	5.4
16.0'	17.4'	3.0