

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- Lumen packages suitable for ceiling heights ranging from 8' to in excess of 100'
- Efficacies up to 124 lm/w
- Superior-quality white LED light output using Chip on Board technology
- No harmful ultraviolet or infrared wavelengths • No lead or mercury

PRODUCT SPECIFICATIONS

Atrius™ - Ready Product: Select models of the L-series product line deliver valuable data and connectivity to the Atrius IoT location based platform services. For more information, please refer to www.acuitybrands.com/Atrius.

OPTICS

Hyperbolic: Unique hyperbolic shape optimized for small, directional LED source, maximizes fixture efficiency while creating the "Silent Ceiling" appearance by reducing lamp image and aperture brightness • Geometry of hyperbolic curve provides unique aperture appearance and smoother light distribution

Parabolic/Lens: Computer-optimized parabolic reflector with frosted convex lens regressed into cone provides uniform distribution with no striations

Wall Wash: Available in Hyperbolic and Parabolic. Both providing uniform distributions with no striations

Baffle: White or black painted deep multi-groove aluminum baffle insert with integral white painted flange and frosted convex glass lens

ELECTRICAL

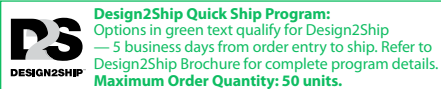
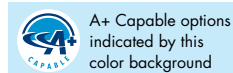
LED Light Engine: Compact light source delivers uniform illumination without pixilation, enabling excellent beam control • 2SDCM (5000K within 3SDCM) • 80, 90 & 97 CRI

- Replaceable light engine with push in wire connections mounts directly to heat sink and is easily replaceable

Passive Cooling: Aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of LED

LED Driver: Power factor >0.9 • Easily replaceable from above or below the ceiling

Dimming: Dimmable via 0-10V protocol standard • Optional drivers available for use with eldoLED, Lutron EcoSystem, 2-wire dimmers, DMX, or DALI • For a list of compatible dimmers, see [LED-DIM](#).



ORDERING INFORMATION Complete Catalog# Example Includes (Rough-In, option, reflector, accessory) Ordering Example: L6 08LM 35K MVOLT G4 80CRI ZT LDI HW CS PF HBT

ROUGH-IN

Series	Light Engine	Color Temperature	Voltage	Generation	CRI	Driver	Rough-In Options
L6	6" L-Series New Construction Downlight	08LM 27K 2700K	120	G4	80CRI	DALI DALI Control Dimming	F3.9 Fuse and Fuse Holder
		13LM 30K 3000K	277		90CRI	DMXR DMX/RDM Driver	CP10 Chicago Plenum
		15LM 35K 3500K	347		97CRI ²	EDAB ^{4,5} eldoLED SOLOdrive DALI, Logarithmic dimming to <1%	LDI Lumen Depreciation Indicator
		17LM 40K 4000K	MVOLT ¹ (120-277)			EDXB ^{4,6} eldoLED POWERdrive DMX/RDM w/ Phoenix Connectors. Logarithmic dimming to <1%	BR ^{3,13} Emergency Battery Pack w/Remote Test Switch
		23LM 50K 5000K				EZ10 ^{4,5} eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	BR ^{20C,13} Emergency Battery Pack w/ Remote Test Switch, CEC Title 20 Compliant
		28LM				EZ1 ^{4,5} eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	HBR ^{3,13} High Lumen Emergency Battery Pack w/Remote Test Switch
		33LM				EZB ^{4,5} eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%	NL ^{9,11} nLight® Dimming Pack Controls
		40LM				FD ^{5,7} Forward or Reverse Phase Dimming Driver	NLER ^{9,11} nLight® dimming pack controls. nLER controls fixtures on emergency circuit
		45LM				FDL ^{7,8,18} Forward Phase Dimming Lutron Driver	NLTAIR ^{2,3,11,21} nLight® AIR Dimming Pack Wireless Controls
		50LM				PD ^{8,18} Lutron Ecosystem Dimming Driver	NLTAIRER ^{2,3,11,21} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
		55LM				ZT 0-10V Dimming to 10% min	AE1BN ^{20,21} Atrius™ - Ready, Bluetooth® beacons, network and in fixture power supply
		60LM				GZ1 ⁵ 0-10V Dimming to 1% min	AE2CD ^{20,21} Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)
		65LM					
		70LM					
LRM6 ¹⁴	6" L-Series Remodel Rough-in						

REFLECTOR To order reflector separately, use "L6" prefix before reflector option values. Ex: L6 HW CS PF

Trim Style	Finish	Trim Options	Mounting
BAF ^{12,14} Baffle HM ¹³ Hyperbolic Medium HN ¹³ Hyperbolic Narrow HW ¹³ Hyperbolic Wide HWS ¹³ Hyperbolic Single Wall Wash	P Parabolic NPR ^{14,22} Parabolic Narrow WPR ^{14,22} Parabolic Wide WC ¹³ Corner Wall Wash WD ¹³ Double Wall Wash WS ¹³ Single Wall Wash	BD Black Diffuse BL Black, White Flange (Baffle only) BS Black Specular BZD Bronze Diffuse BZS Bronze Specular CD Clear Diffuse CS Clear Specular CSS Clear Semi-Specular	GD Gold Diffuse GS Gold Specular PTD Pewter Diffuse PTS Pewter Specular WH White, White Flange WTD Wheat Diffuse WTS Wheat Specular
		PF ¹⁶ White Flange WET Wet Location	Blank Flanged FM ^{13,15,17} Flangeless

Accessories ¹⁹			
IFMA6 ^{15,19}	6" Flangeless Adapter for Drywall Ceilings	INSA6/05 ^{14,19}	6" Sloped Ceiling Adapter, 5° Angle
HB28 ¹⁹	28" C-Channel Bar Hangers, Pair	INSA6/10 ^{14,19}	6" Sloped Ceiling Adapter, 10° Angle
HB52 ¹⁹	52" C-Channel Bar Hangers, Pair	INSA6/15 ^{14,19}	6" Sloped Ceiling Adapter, 15° Angle
HBT1 ¹⁹	25" Tru-Lock Grid Ceiling Bar Hanger, Pair	INSA6/20 ^{14,19}	6" Sloped Ceiling Adapter, 20° Angle
LB27 ¹⁹	27" Linear Bar Hangers, Pair	INSA6/25 ^{14,19}	6" Sloped Ceiling Adapter, 25° Angle
		INSA6/30 ^{14,19}	6" Sloped Ceiling Adapter, 30° Angle

Ordering Notes

- Only 08LM, 13LM, 15LM, and 17LM fixtures are MVOLT.
- 2700K & 3000K only.
- Not available with 347V.
- Not compatible with LDI.
- Not available for 60LM and up.
- Not available for 40LM and 55LM and up.
- 120V only.
- Not available for 50LM and up.
- Specify voltage.
- See CP notes in following table for compatibility with other options.
- Only compatible with EZ1, GZ1, EZB, EZ10 (for 55LM and below) and ZT (for 60LM - 90LM) drivers.
- Only available with BL or WH trim finish; white flange standard.

- Not compatible with WET.
- Not compatible with FM.
- IFMA6 required for FM.
- PF not required when specifying BL or WH finishes; white flange standard.
- When ordering rough-in and trim separately FM designator must be applied to both items.
- Not compatible with BR, BRT20C, HBR, or LDI.
- Not compatible with LRM6.
- See Atrius notes in following table for compatibility with other options.
- NLTAIR2, NLTAIRER2, AE1BN, AE2CD not recommended for metal ceiling installations.
- NPR, WPR available with CS, CSS, CD, WH finishes only.

CP Notes

BR, BRT20C, HBR, EDXB, NL, NLER, NLTAIR2, NLTAIRER2, AE1BN, AE2CD not compatible with CP.
 DALI, DMXR, ZT not available for CP with FM at 85LM and up.

Atrius Notes

AE1BN

Not available with 347 for LRM6 series.
 Only compatible with ZT driver for 60LM and up.
 CP, BR, BRT20C, HBR, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with AE1BN.
 Recommended ceiling height of 30' and under; not intended for use on ceilings greater than 40' or metal ceiling installations.

AE2CD

Not available with 347 for LRM6 series.
 Only compatible with EZ1 driver.
 CP, BR, BRT20C, HBR, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with AE2CD.
 Recommended ceiling height of 30' and under; not intended for use on ceilings greater than 40' or metal ceiling installations.

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PRODUCT SPECIFICATIONS (cont.)

MECHANICAL

New Construction Housing: Low profile, universal housing design installs in suspended grid, plaster or drywall • Integral heat sink conducts heat away from LED light engine • Driver is accessible from above and below ceiling and can be upgraded to accommodate future technology improvements

Mounting Frame: Heavy gauge steel lower housing ring accommodates ceilings up to 2" thick • For thicker ceilings; consult factory

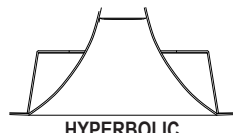
Mounting Bracket: New Construction mounting brackets have 3" vertical adjustment and accepts most commercial bar hangers, including our proprietary Tru-Lock bar hangers • Our one-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4" tile increments

Junction Box: Over size 4" x 6" galvanized steel junction box with (6) 1/2" (2) 3/4" knockouts facilitate quick wiring • New Construction junction box rated for four (4) No. 12 AWG 90° C branch circuit conductors (2-in, 2-out)

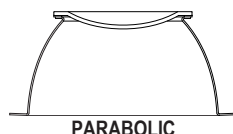
Flangeless Adapter: Must specify IFMA6 when flangeless, "FM" option, is specified

Remodel Housing: Housing installs from below ceiling in applications where above ceiling access is not available • Secured in place by factory installed remodel springs • Remodel springs accommodate ceilings from 1/2" to 1-1/8" thick • Integral heat sink conducts heat away from LED light engine • Driver is accessible from below the ceiling and can be upgraded to accommodate future technology improvements.

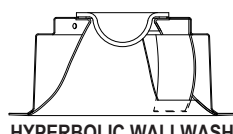
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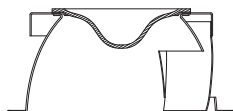
HYPERBOLIC



PARABOLIC



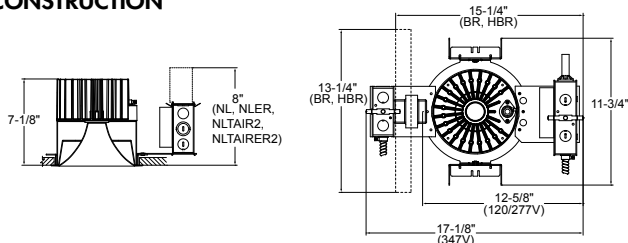
HYPERBOLIC WALLWASH



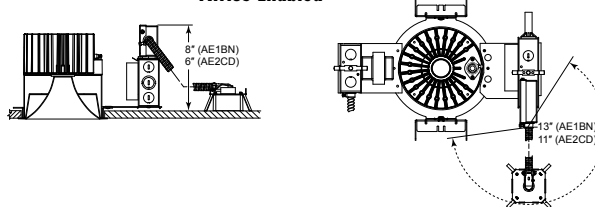
PARABOLIC WALLWASH

APERTURE: 6-1/8" Dia.
CEILING CUTOUT: 6-7/8" Dia.
OVERLAP TRIM: 7-3/8" Dia.

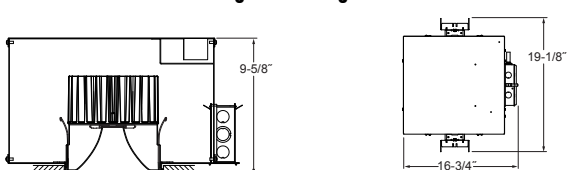
NEW CONSTRUCTION



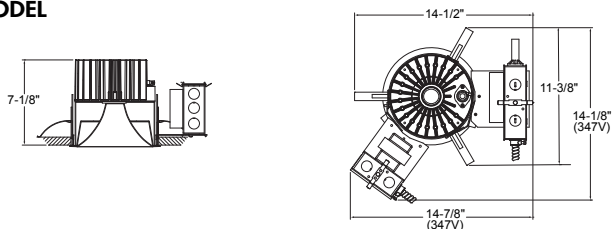
Atrius Enabled



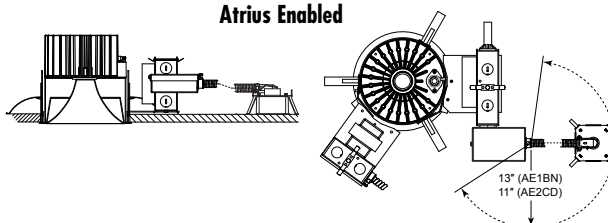
Flangeless Chicago Plenum



REMODEL



Atrius Enabled



ENERGY STAR® certified

	PRODUCT#	FIXTURE CONFIGURATIONS = ENERGY STAR
	MVOLT (120V-277V) (S) (WW)LM (XX)K MVOLT G4 (YY)CRI (ZZ) (CC) ¹	Series: S = L6, LRM6 Lumen Package: WW = 08 ² , 13 ² , 15, 17 CCT: XX = 27, 30, 35, 40, 50 Voltage: MVOLT (120V-277V) CRI: YY = 80, 90, 97 Trim Type: ZZ = HN, HM, HW, P Trim Color/Finish: CC = CS, CSS, CD
	120V/277V (S) (WW)LM (XX)K (V) G4 (YY)CRI (ZZ) (CC) ¹	Series: S = L6, LRM6 Lumen Package: WW = 23, 28, 33, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90 CCT: XX = 27, 30, 35, 40, 50 Voltage: V = 120, 277 CRI: YY = 80, 90, 97 Trim Type: ZZ = HN, HM, HW, P Trim Color/Finish: CC = CS, CSS, CD

¹ EDAB, EDXB, PD and FDL options are not ENERGY STAR® certified.

² Indicated lumen packages are not ENERGY STAR® certified with -DMXR or -DALI options when used with 277 volts.

LABELS AND LISTINGS

• UL & cUL listed for feed through and damp locations • UL spacing requirement for 40LM and above: minimum of 4' between fixture centers, 3" over-head clearance, 2' from fixture center to side wall • RoHS compliant • EMI complies with FCC 47, Part 15, Class A • ENERGY STAR® certified, see table for designated products • I.B.E.W. Union made • ARRA Compliant 

PERFORMANCE

LIGHT ENGINE	08LM	13LM	15LM	17LM	23LM	28LM	33LM	40LM	45LM	50LM	55LM	60LM	65LM	70LM	75LM	80LM	85LM	90LM
120V (50/60HZ)																		
INPUT CURRENT	0.063	0.098	0.115	0.132	0.197	0.238	0.280	0.351	0.345	0.381	0.427	0.439	0.483	0.541	0.573	0.607	0.656	0.710
INPUT WATTAGE	7.53	11.74	13.66	15.82	23.52	28.46	33.62	42.14	41.41	45.54	51.08	52.51	58.11	64.59	68.84	72.83	78.87	85.03
THD%	6.42	5.19	4.61	3.86	5.09	5.46	4.43	4.53	6.03	6.03	6.23	6.44	6.54	7.32	7.58	7.75	8.37	8.05
POWER FACTOR	0.993	0.993	0.992	0.994	0.994	0.995	0.997	0.998	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.996	0.996	0.996
277V (50/60HZ)																		
INPUT CURRENT	0.031	0.048	0.056	0.063	0.093	0.108	0.131	0.158	0.161	0.175	0.195	0.202	0.221	0.251	0.265	0.268	0.290	0.310
INPUT WATTAGE	7.87	11.84	13.81	15.89	23.65	28.19	33.83	41.68	41.74	45.80	51.02	52.35	57.64	64.22	68.40	71.29	77.27	83.16
THD%	12.00	11.62	11.31	11.34	9.93	9.04	10.48	8.79	9.15	8.07	9.85	11.12	10.97	13.07	12.83	12.96	13.53	12.56
POWER FACTOR	0.904	0.885	0.887	0.907	0.918	0.943	0.932	0.953	0.934	0.943	0.944	0.933	0.942	0.921	0.931	0.957	0.962	0.965
HYPERBOLIC REFLECTOR: L6 HW CS (35K 80CRI)																		
DELIVERED LUMENS (L6 HW CS)	842	1,404	1,622	1,847	2,486	2,998	3,489	4,242	4,511	4,936	5,466	5,677	6,215	6,803	7,123	7,556	8,342	8,782
EFFICACY (LPW)	112	120	119	117	106	105	104	101	109	108	107	108	107	105	103	104	106	103
PARABOLIC REFLECTOR: L6 P CS (35K 80CRI)																		
DELIVERED LUMENS (L6 P CS)	666	1,111	1,284	1,462	1,968	2,373	2,762	3,358	3,657	4,002	4,431	4,602	5,038	5,515	5,774	6,125	6,762	7,119
EFFICACY (LPW)	89	95	94	92	84	83	82	80	88	88	87	88	87	85	84	84	86	84

OPTICAL DISTRIBUTIONS

HYPERBOLIC BEAM SPREAD		
Trim	08LM - 40LM	45LM-90LM
L6 HN CS	16°	25°
L6 HN CSS	19°	30°
L6 HN CD	44°	55°
L6 HM CS	53°	60°
L6 HM CSS	53°	60°
L6 HM CD	65°	65°
L6 HW CS	71°	73°
L6 HW CSS	71°	73°
L6 HW CD	71°	73°

PARABOLIC BEAM SPREAD		
Trim	08LM - 40LM	45LM-90LM
L6 NPR CS	46°	46°
L6 NPR CSS	52°	55°
L6 NPR CD	64°	68°
L6 P CS	65°	66°
L6 P CSS	62°	63°
L6 P CD	72°	72°
L6 WPR CS	78°	78°
L6 WPR CSS	78°	78°
L6 WPR CD	78°	78°

LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.90
3000K	0.96
3500K	1.00
4000K	1.01
5000K	1.04

CRI	MULTIPLIER
80CRI	1.00
90CRI	0.83
97CRI	0.77

HYPERBOLIC TRIM	MULTIPLIER
L6 HN CS	0.94
L6 HN CSS	0.89
L6 HN CD	0.81
L6 HM CS	0.98
L6 HM CSS	0.95
L6 HM CD	0.84
L6 HW CS	1.00
L6 HW CSS	0.97
L6 HW CD	0.89

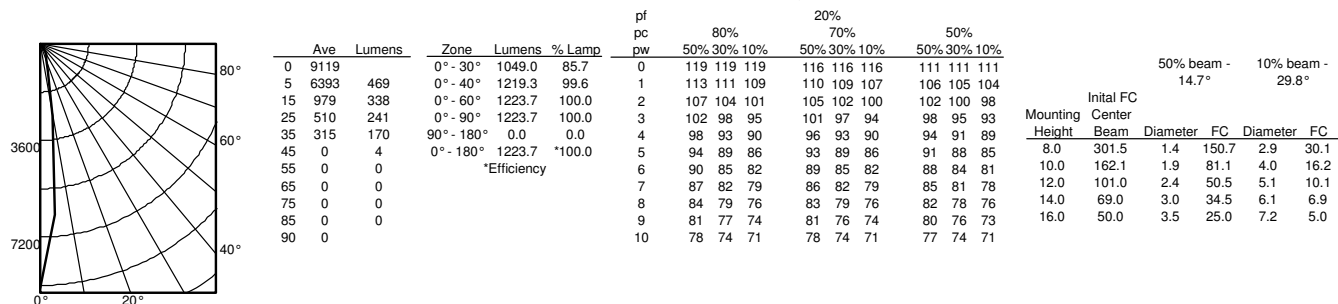
PARABOLIC TRIM	MULTIPLIER
L6 NPR CS	0.92
L6 NPR CSS	0.88
L6 NPR CD	0.86
L6 P CS	1.00
L6 P CSS	0.96
L6 P CD	0.88
L6 WPR CS	0.98
L6 WPR CSS	0.96
L6 WPR CD	0.91

Applying Lumen Multipliers to Calculate Delivered Lumens								
Base Fixture Delivered Lumens (from Performance Table)	x	CCT Multiplier	x	CRI Multiplier	x	Trim Multiplier	=	Delivered Lumens for Desired Fixture and Reflector
Hyperbolic Reflector Example: L6 23LM 30K MVOLT 90CRI G4 ZT HM CD								
2486 Lumens	x	0.96	x	0.83	x	0.84	=	1664 Lumens
Parabolic Reflector Example: L6 23LM 30K MVOLT 90CRI G4 ZT NPR CSS								
1968 Lumens	x	0.96	x	0.83	x	0.88	=	1380 Lumens

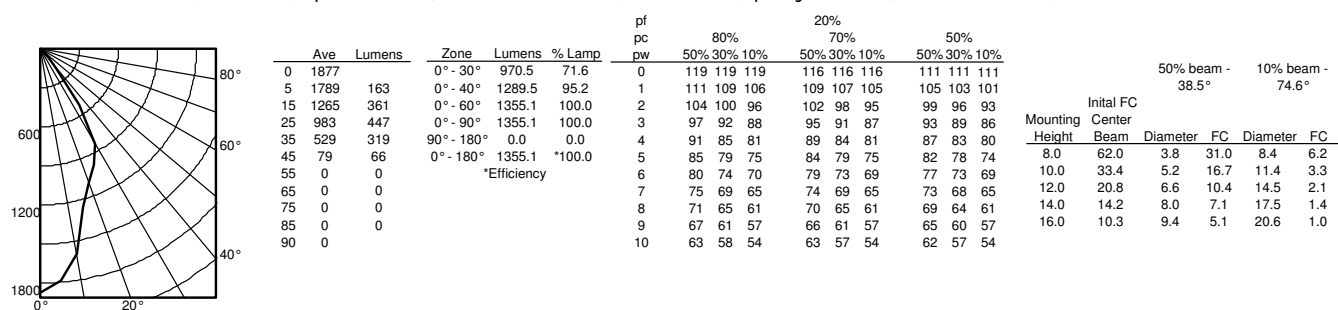
HYPERBOLIC PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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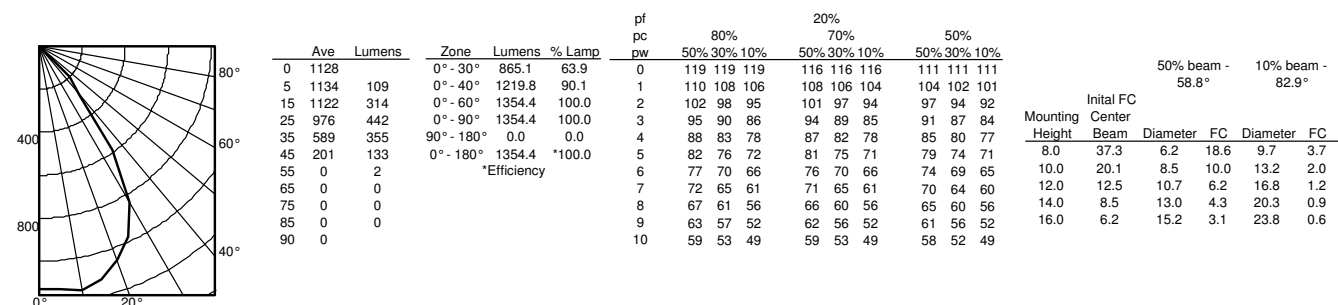
L6 13LM 35K + L6 HN CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1223.7, LM/W = 104.2, Spacing Criteria: 0.3, test no. PR07172052, tested in accordance to IESNA LM-79.



L6 13LM 35K + L6 HM CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1355.1, LM/W = 115.4, Spacing Criteria: 0.7, test no. PR07172088, tested in accordance to IESNA LM-79.



L6 13LM 35K + L6 HW CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1354.4, LM/W = 115.4, Spacing Criteria: 1.1, test no. PR07172089, tested in accordance to IESNA LM-79.



HYPERBOLIC PHOTOMETRICS

Distribution Curve

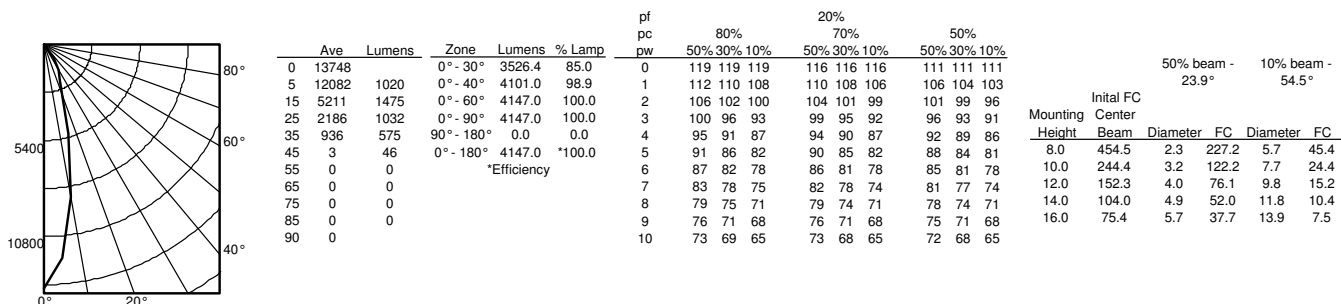
Distribution Data

Output Data

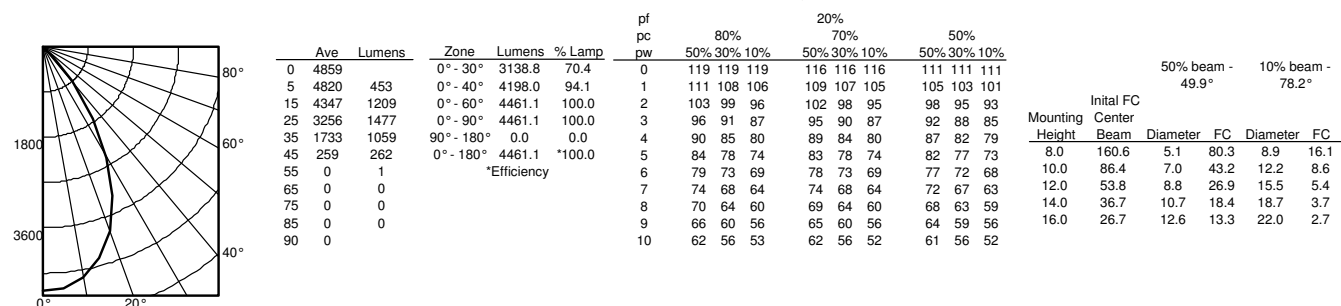
Coefficient of Utilization

Illuminance Data at 30" Above Floor for
a Single Luminaire

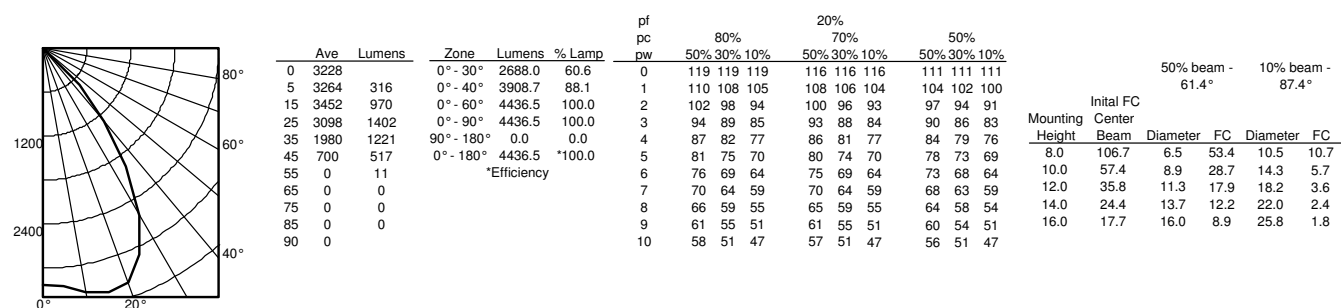
L6 45LM 35K + L6 HN CS, 3500K LEDs, input watts: 41.41, delivered lumens: 4147.0, LM/W = 100.1, Spacing Criteria: 0.4, test no. PR07172081, tested in accordance to IESNA LM-79.



L6 45LM 35K + L6 HM CS, 3500K LEDs, input watts: 41.41, delivered lumens: 4461.1, LM/W = 107.7, Spacing Criteria: 0.9, test no. PR07172082, tested in accordance to IESNA LM-79.



L6 45LM 35K + L6 HW CS, 3500K LEDs, input watts: 41.41, delivered lumens: 4436.5, LM/W = 107.1, Spacing Criteria: 1.2, test no. PR07172083, tested in accordance to IESNA LM-79.



HYPERBOLIC PHOTOMETRICS

Distribution Curve

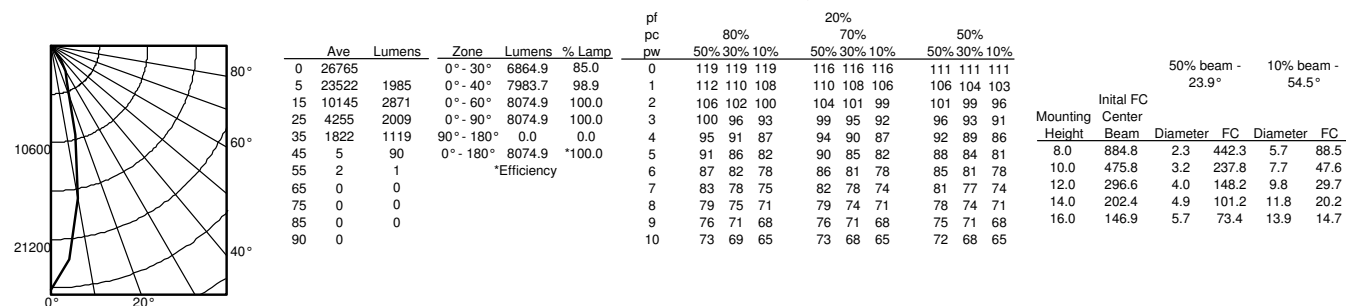
Distribution Data

Output Data

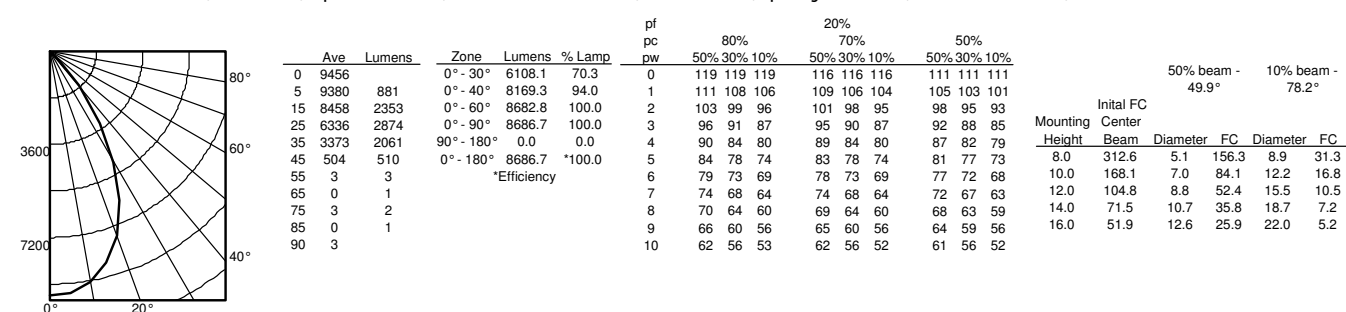
Coefficient of Utilization

Illuminance Data at 30" Above Floor for
a Single Luminaire

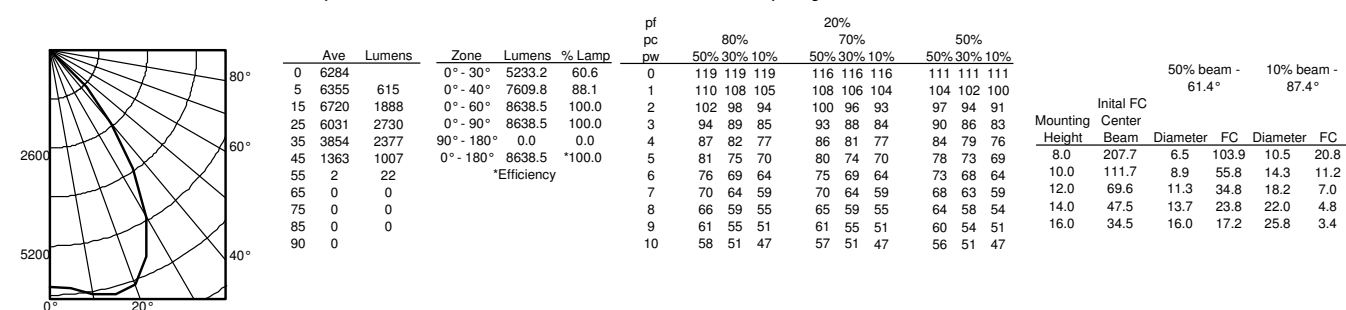
L6 90LM 35K + L6 HN CS, 3500K LEDs, input watts: 85.03, delivered lumens: 8174.9, LM/W = 95.0, Spacing Criteria: 0.4, test no. PR07172091, tested in accordance to IESNA LM-79.



L6 90LM 35K + L6 HM CS, 3500K LEDs, input watts: 85.03, delivered lumens: 8686.7, LM/W = 102.2, Spacing Criteria: 0.9, test no. PR07172092, tested in accordance to IESNA LM-79.



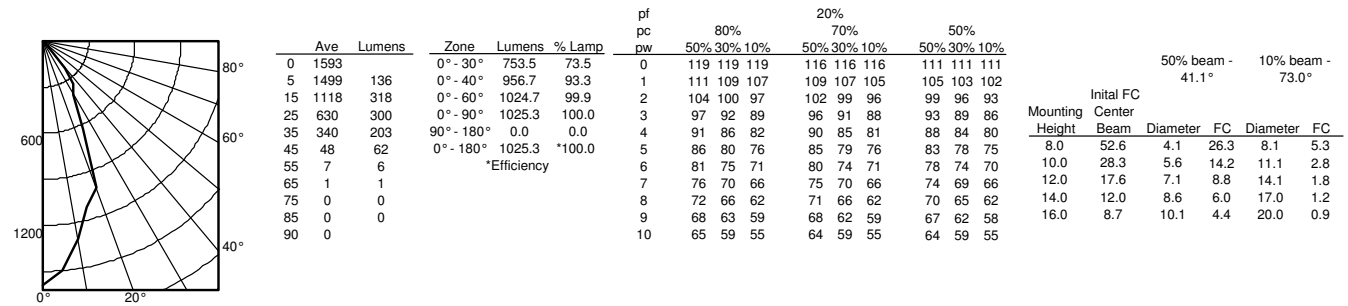
L6 90LM 35K + L6 HW CS, 3500K LEDs, input watts: 85.03, delivered lumens: 8638.5, LM/W = 101.6, Spacing Criteria: 1.2, test no. PR07172093, tested in accordance to IESNA LM-79.



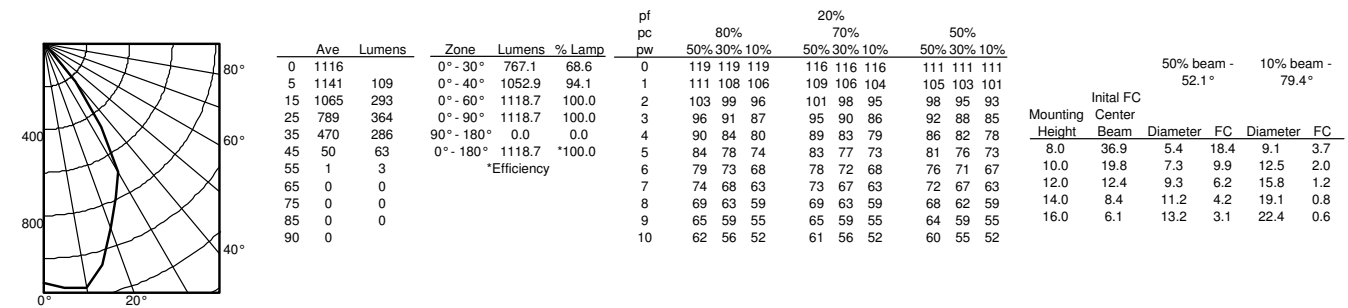
PARABOLIC PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

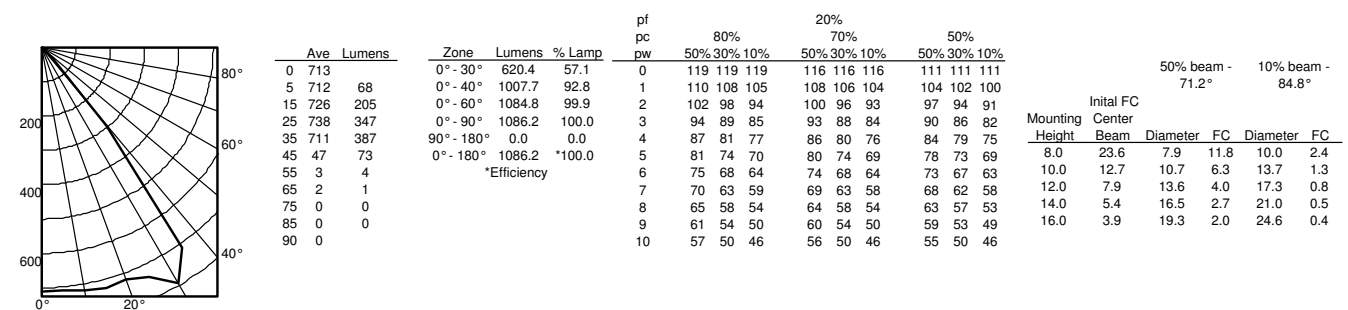
L6 13LM 35K + L6 NPR CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1025.3, LM/W = 87.3, Spacing Criteria: 0.8, test no. PR11171391P8, tested in accordance to IESNA LM-79.



L6 13LM 35K + L6 P CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1118.7, LM/W = 95.3, Spacing Criteria: 1.0, test no. PR07172051, tested in accordance to IESNA LM-79.



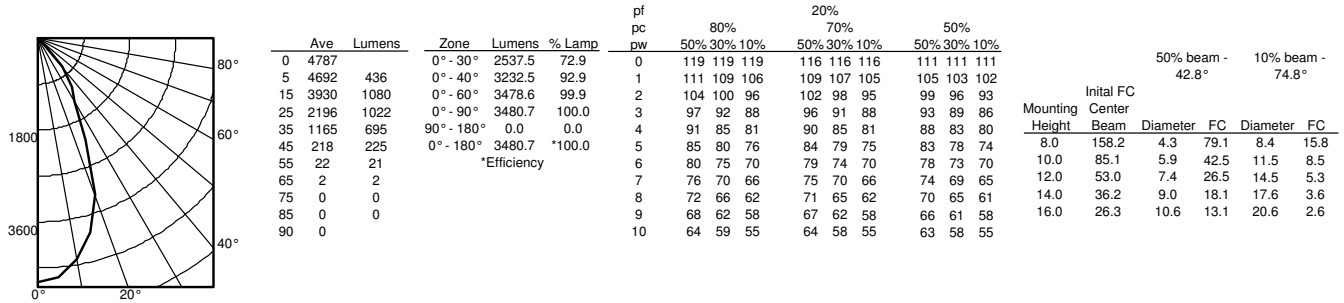
L6 13LM 35K + L6 WPR CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1086.2, LM/W = 92.5, Spacing Criteria: 1.4, test no. PR11171491P8, tested in accordance to IESNA LM-79.



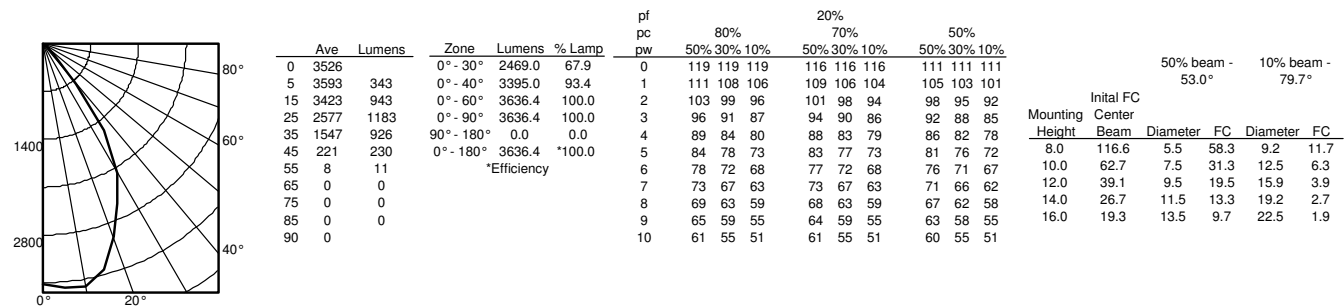
PARABOLIC PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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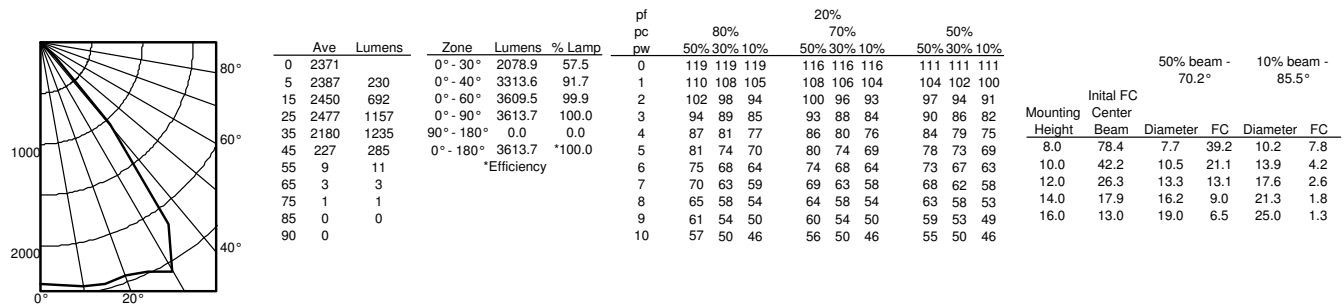
L6 45LM 35K + L6 NPR CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3480.7, LM/W = 84.1, Spacing Criteria: 0.8, test no. PR11170891P3, tested in accordance to IESNA LM-79.



L6 45LM 35K + L6 P CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3636.4, LM/W = 87.8, Spacing Criteria: 1.0, test no. PR07172084, tested in accordance to IESNA LM-79.



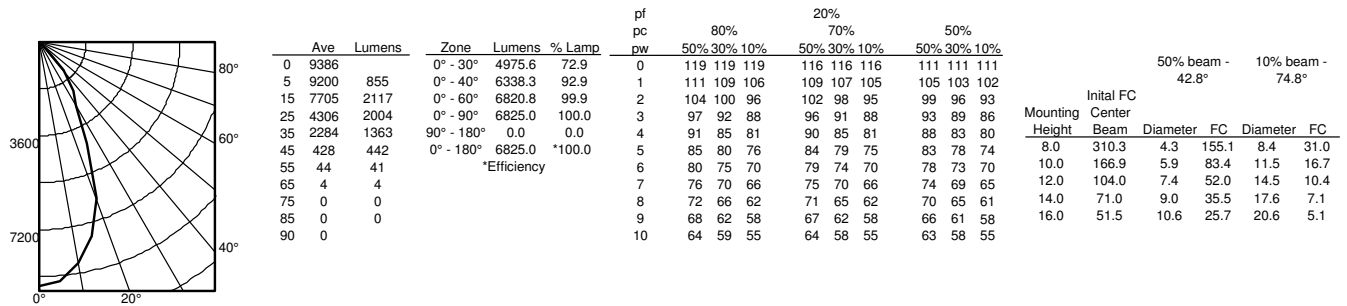
L6 45LM 35K + L6 WPR CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3613.7, LM/W = 87.3, Spacing Criteria: 1.4, test no. PR11170991P3, tested in accordance to IESNA LM-79.



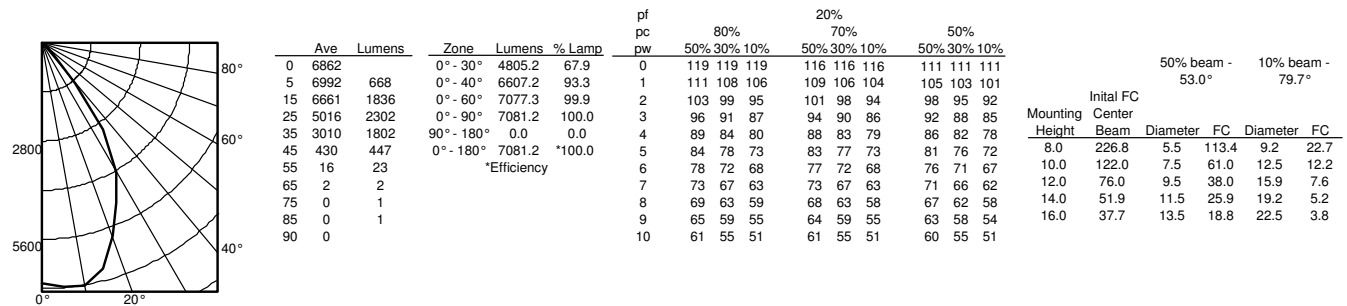
PARABOLIC PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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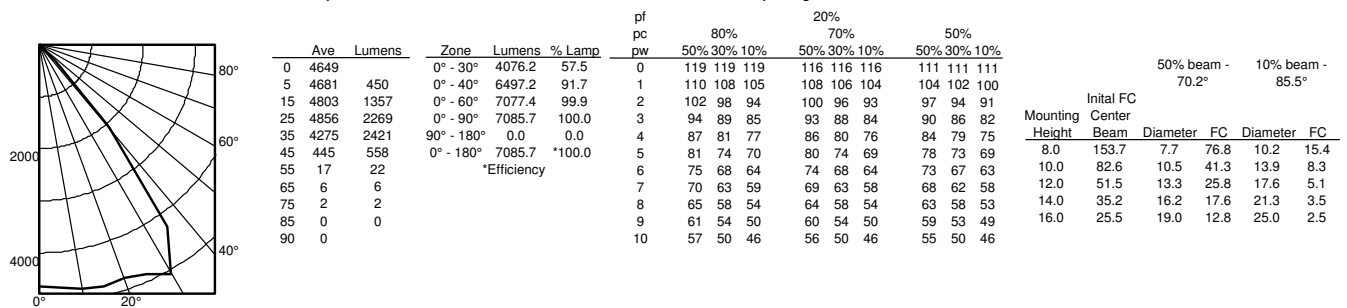
L6 90LM 35K + L6 NPR CS, 3500K LEDs, input watts: 85.03, delivered lumens: 6825, LM/W = 80.3, Spacing Criteria: 0.8, test no. PR11170891, tested in accordance to IESNA LM-79.



L6 90LM 35K + L6 P CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7081.2, LM/W = 83.3, Spacing Criteria: 1.0, test no. PR07172094, tested in accordance to IESNA LM-79.



L6 90LM 35K + L6 WPR CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7085.7, LM/W = 83.3, Spacing Criteria: 1.4, test no. PR11170991, tested in accordance to IESNA LM-79.



PERFORMANCE DATA**LUMINAIRES SPACED 2' FROM WALL**

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 HWS CS Spread: Single Wall Test #: PR07172096

Single Unit						Lamp	Multiple Units On 2' Centers*			Multiple Units On 3' Centers*			Multiple Units On 4' Centers*		
Lateral Distance From Fixture 2' From Wall						BXRC-35E10K0-D-73-SE	Spaced 2' From Wall			Spaced 2' From Wall			Spaced 2' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
90	66	31	12	6	6	1'	154	149	154	111	100	111	100	60	100
142	107	54	21	10	8	2'	257	252	257	182	166	182	157	109	157
110	86	47	22	12	9	3'	215	212	215	153	142	153	129	97	129
81	71	44	23	12	9	4'	179	182	179	124	127	124	100	90	100
50	54	40	23	14	10	5'	141	154	141	95	108	95	71	83	71
36	42	33	23	15	11	6'	119	130	119	81	94	81	60	70	60
28	34	28	21	15	11	7'	103	113	103	71	82	71	54	61	54
23	29	24	18	14	12	8'	89	99	89	62	73	62	47	51	47
18	22	19	15	12	10	9'	71	80	71	50	61	50	38	42	38
12	16	14	11	10	7	10'	53	60	53	38	47	38	28	34	28

LUMINAIRES SPACED 3' FROM WALL

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 HWS CS Spread: Single Wall Test #: PR07172096

Single Unit						Lamp	Multiple Units On 3' Centers*			Multiple Units On 4' Centers*			Multiple Units On 6' Centers*		
Lateral Distance From Fixture 3' From Wall						BXRC-35E10K0-D-73-SE	Spaced 3' From Wall			Spaced 3' From Wall			Spaced 3' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
31	28	19	12	8	7	1'	54	54	54	44	42	44	34	20	34
67	58	40	25	14	10	2'	116	113	116	91	86	91	72	43	72
67	60	43	28	17	12	3'	124	123	124	97	91	97	73	51	73
57	51	38	26	17	13	4'	108	108	108	85	83	85	63	47	63
50	45	34	25	17	12	5'	98	98	98	78	75	78	57	45	57
40	40	32	24	17	13	6'	87	92	87	67	72	67	48	44	48
30	33	29	23	17	14	7'	77	86	77	57	67	57	39	42	39
24	28	25	21	16	14	8'	68	78	68	51	61	51	34	38	34
19	22	20	17	14	12	9'	56	66	56	42	51	42	29	32	29
13	17	16	12	11	10	10'	45	50	45	33	40	33	22	26	22

LUMINAIRES SPACED 4' FROM WALL

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 HWS CS Spread: Single Wall Test #: PR07172096

Single Unit						Lamp	Multiple Units On 3' Centers*			Multiple Units On 4' Centers*			Multiple Units On 6' Centers*		
Lateral Distance From Fixture 4' From Wall						BXRC-35E10K0-D-73-SE	Spaced 4' From Wall			Spaced 4' From Wall			Spaced 4' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
17	16	13	10	8	7	1'	35	36	35	29	29	29	22	18	22
36	32	26	19	14	11	2'	75	74	75	60	57	60	44	37	44
45	42	34	26	19	14	3'	98	99	98	78	76	78	56	50	56
42	39	32	25	19	15	4'	95	96	95	76	74	76	54	49	54
38	35	30	24	19	15	5'	86	89	86	69	69	69	49	45	49
35	32	28	22	18	15	6'	82	83	82	65	65	65	46	43	46
33	30	26	22	17	14	7'	78	79	78	62	62	62	44	41	44
26	27	24	20	16	14	8'	70	76	70	55	59	55	38	38	38
20	21	20	17	14	13	9'	58	65	58	45	51	45	31	33	31
14	16	16	14	12	11	10'	46	50	46	35	40	35	24	29	24

*Based on minimum of five luminaires. Reflectances: 80, 50, 20. Values are rounded to nearest whole footcandle.

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

PERFORMANCE DATA**LUMINAIRES SPACED 2' FROM WALL**

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 WS CD Spread: Single Wall Test #: PR07172097

Single Unit						Lamp	Multiple Units On 2' Centers*			Multiple Units On 3' Centers*			Multiple Units On 4' Centers*		
Lateral Distance From Fixture 2' From Wall						BXRC-35E10K0-D-73-SE	Spaced 2' From Wall			Spaced 2' From Wall			Spaced 2' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
60	43	20	9	6	6	1'	99	96	99	74	63	74	68	38	68
118	86	42	17	9	8	2'	205	199	205	149	130	149	131	83	131
119	89	45	21	12	9	3'	213	211	213	157	139	157	136	91	136
88	79	50	24	13	10	4'	195	200	195	133	142	133	107	100	107
50	55	45	27	16	11	5'	152	161	152	102	116	102	73	92	73
36	40	34	27	18	13	6'	124	133	124	87	95	87	63	74	63
27	31	28	23	18	14	7'	104	111	104	74	82	74	57	61	57
22	25	23	19	16	14	8'	88	95	88	63	71	63	50	50	50
17	19	18	15	13	12	9'	69	75	69	51	58	51	40	40	40
11	14	13	11	11	8	10'	50	55	50	38	43	38	29	33	29

LUMINAIRES SPACED 3' FROM WALL

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 WS CD Spread: Single Wall Test #: PR07172097

Single Unit						Lamp	Multiple Units On 3' Centers*			Multiple Units On 4' Centers*			Multiple Units On 6' Centers*		
Lateral Distance From Fixture 3' From Wall						BXRC-35E10K0-D-73-SE	Spaced 3' From Wall			Spaced 3' From Wall			Spaced 3' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
20	18	13	9	7	6	1'	35	35	35	29	28	29	23	13	23
51	44	29	18	11	9	2'	85	82	85	68	63	68	54	30	54
59	51	36	24	15	11	3'	103	101	103	83	76	83	63	41	63
60	52	37	24	16	12	4'	105	104	105	85	79	85	65	44	65
56	51	38	26	17	13	5'	106	107	106	83	82	83	62	46	62
43	43	36	27	19	14	6'	95	100	95	72	80	72	50	50	50
30	33	31	26	20	16	7'	83	90	83	63	71	63	40	48	40
24	27	25	23	18	16	8'	72	80	72	56	63	56	36	42	36
18	21	20	18	16	14	9'	59	67	59	46	52	46	31	33	31
13	16	15	12	13	12	10'	47	51	47	36	41	36	24	26	24

LUMINAIRES SPACED 4' FROM WALL

Catalog Number: L6 90LM 35K 120 G4 80CRI ZT; L6 WS CD Spread: Single Wall Test #: PR07172097

Single Unit						Lamp	Multiple Units On 3' Centers*			Multiple Units On 4' Centers*			Multiple Units On 6' Centers*		
Lateral Distance From Fixture 4' From Wall						BXRC-35E10K0-D-73-SE	Spaced 4' From Wall			Spaced 4' From Wall			Spaced 4' From Wall		
0'	1'	2'	3'	4'	5'	Distance From Ceiling	CL	CL	CL	CL	CL	CL	CL	CL	CL
12	11	9	8	7	7	1'	24	25	24	20	20	20	16	13	16
27	24	19	15	11	10	2'	53	53	53	44	42	44	34	27	34
37	34	27	21	16	12	3'	77	77	77	61	60	61	46	39	46
38	35	28	22	17	14	4'	82	82	82	65	64	65	47	42	47
38	35	29	22	18	14	5'	83	84	83	66	66	66	49	43	49
39	36	30	23	18	15	6'	86	86	86	68	67	68	50	44	50
35	33	29	24	19	15	7'	85	86	85	67	68	67	47	45	47
27	28	26	22	19	16	8'	76	82	76	60	64	60	41	43	41
20	21	21	19	17	15	9'	63	69	63	49	55	49	33	36	33
14	16	17	15	14	12	10'	50	54	50	39	43	39	27	32	27

*Based on minimum of five luminaires. Reflectances: 80, 50, 20. Values are rounded to nearest whole footcandle.

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

CONTROLS

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

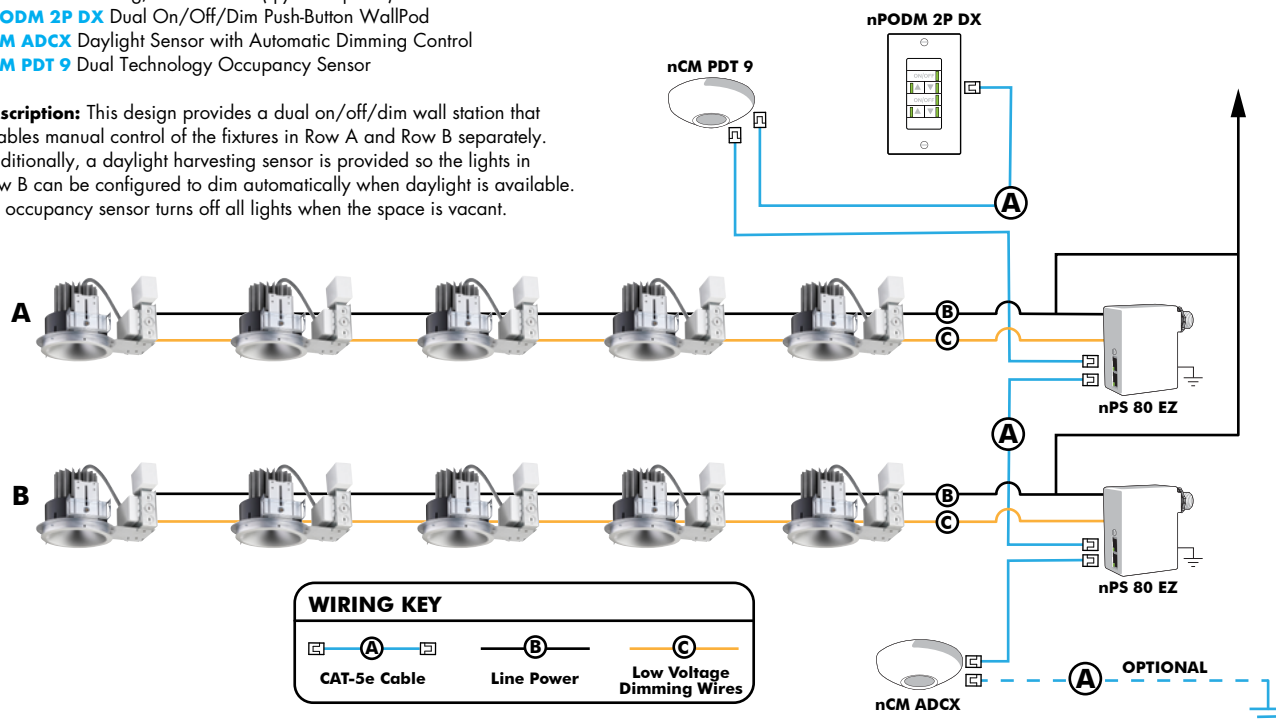
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT J1



Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brand's specification for chromatic consistency.
- This luminaire is part of an A+ Certified solution for nLight control networks when ordered with drivers marked by a Shaded background*
- This Luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

1 Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Indy L-Series Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

**Simple as 1,2,3**

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

