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Brecksville-Broadview Heights City Schools High School and Middle School Auditorium
Lighting

19-83110-0
12/16/2019

Project 19-83110-0

Brecksville-Broadview Heights City Schools High School and Middle School Auditorium Lighting

Submitted By
JACK H DUFFY

Type	Manufacturer/Brand	Catalog Number
	ABL-Juno Lighting Group	LRT12 90LM 35K 120 G4 80CRI ZT NLTAIR2 P CS
	ABL-Juno Lighting Group	LRT6 65LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS
	ABL-Juno Lighting Group	LRT6 80LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS
	ABL-Acuity Brands Controls	RPODBA 4S DX BK G2

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT12 90LM 35K 120 G4 80CRI ZT NLTAIR2 P CS
Notes
HIGH SCHOOL - 12" RETROFIT

Type

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- One fixture converts nearly any manufacturers incandescent, CFL or H.I.D. fixtures with a rough-in inner diameter of 11-3/4" to 12-3/4" diameter to high efficiency LED
- All installation can be performed from below the ceiling with out removing existing fixture
- Energy savings up to 50-60% vs. CFL and HID
- 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

Overlap Ring: All fixtures include a white painted overlap ring to conceal the housing from below the ceiling. The ring will extend past the trim flange. For additional ring color options, consult factory.

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

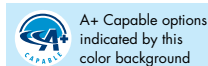
Passive Cooling: Aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of LED

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 Lutron EcoSystem, 2-wire dimmers DMXR, or DALI • For a list of compatible dimmers, see [LED-DIM](#).

Life: Rated for 60,000 hours at 70% lumen maintenance • Available with optional Lumen Depreciation Indicator, LDI option (U.S. Patent No. 9,119,269))

Operation Temperature: -20° C to 50° C



Design2Ship Quick Ship Program:
Options in green text qualify for Design2Ship
— 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details.
Maximum Order Quantity: 50 units.

ORDERING INFORMATION Complete Catalog# Example Includes (Rough-In, option, reflector, accessory) Ordering Example: LRT12 08LM 27K MVOLT G4 80CRI ZT LDI HW CS PF

ROUGH-IN

Series	Lumen Package	Color Temperature	Voltage	Generation	CRI	Driver	Rough-In Options
LRT12 12" L-Series Retrofit Downlight	08LM 800 Lumens	27K 2700K	120	G4	80CRI	DALI	F ^{3,9} Fuse and Fuse Holder
	13LM 1300 Lumens	30K 3000K	277		90CRI	DMXR	CP ¹⁰ Chicago Plenum
	15LM 1500 Lumens	35K 3500K	347		97CRI ²	EDAB ^{4,18}	LDI Lumen Depreciation Indicator
	17LM 1700 Lumens	48K 4800K	MVOLT ¹ (120-277)			EDXB ^{3,4,6}	BR ^{3,4,12} 600 Lumen Emergency Battery Pack w/Remote Test Switch
	23LM 2300 Lumens	50K 5000K				EZ10 ^{4,18}	BRT20C ^{3,4,12} 600 Lumen Emergency Battery Pack w/ Remote Test Switch, CEC Title 20 Compliant
	28LM 2800 Lumens					EZ1 ^{4,18}	HBR ^{3,4,12} 1000 Lumen Emergency Battery Pack w/Remote Test Switch
	33LM 3300 Lumens					EZ1 ^{4,18}	NL ^{9,11} nLight® Dimming Pack Controls
	40LM 4000 Lumens					EZB ^{4,18}	NLER ^{9,11} nLight® dimming pack controls. nLER controls fixtures on emergency circuit
	45LM 4500 Lumens					FD ^{5,7}	NLTAIR2 ^{2,11,16} nLight® AIR Dimming Pack Wireless Controls
	50LM 5000 Lumens					FDL ^{7,8,14}	NLTAIRER2 ^{2,11,16} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
	55LM 5500 Lumens					ECOD ^{8,14}	INC ^{7,17} Medium base socket adapter for quick retrofit of incandescent fixtures
	60LM 6000 Lumens					ZT	AE2CD ^{15,16} Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)
	65LM 6500 Lumens					GZ1 ¹⁸	
	70LM 7000 Lumens						
	75LM 7500 Lumens						
	80LM 8000 Lumens						
	85LM 8500 Lumens						
	90LM 9000 Lumens						

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**800 TO 9000 LUMEN
12" LED RETRO-FIT**

HYPERBOLIC / PARABOLIC
LRT12 SERIES

Type	Cat. No.
Project:	
Notes:	

Emergency Battery Pack (Optional) output: Provides a minimum of 600 (BR & BRT20C), or 1000 (HBR) lumens for a minimum duration of 90 minutes • BRT20C option is CEC Title 20 compliant

Warranty: 5 years when used in accordance with manufacturing guidelines.
Specifications subject to change without notice.



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REFLECTOR To order reflector separately, use "LRT12" prefix before reflector option values. Ex: LRT12 HW CS PF

Trim Style	Finish	Trim Options
HM ¹² Hyperbolic Medium	CD Clear Diffuse	PF ¹² White Flange
HN ¹² Hyperbolic Narrow	CS Clear Specular	WET Wet Location
HW ¹² Hyperbolic Wide	CSS Clear Semi-Specular	
P Parabolic	WH White, White Flange	

Ordering Notes

- Only 800, 1300, 1500 and 1700 lumen fixtures are MVOLT.
- 2700K & 3000K only.
- Not available with 347V.
- Not compatible with LDI.
- Not available for 6000 lumens and up.
- Not available for 4000 and 5500 lumens and up.
- 120V only.
- Not available for 5000 lumens and up.
- Specify voltage.
- BR, BRT20C, HBR, EDXB, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with CP.
- Only compatible with the following driver options: EZ1, EZB, EZ10, GZ1; ZT (for 60LM - 90LM only).

- Not compatible with WET.
- PF not available with WH finish. When specifying WH finish, flange is always painted white.
- Not compatible with BR, BRT20C, HBR, or LDI.
- See AE2CD notes in following table for compatibility with other options.
- NLTAIR2, NLTAIRER2, AE2CD not recommended for metal ceiling installations.
- Cannot be used with BR, HBR, or BRT20C. Can only be used with FD, FDL, and ZT drivers (but cannot be dimmed with ZT).
- Not available for 85LM and up.

AE2CD Notes

Only compatible with EZ1 driver for 55LM and below.
 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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Before ordering, check fixture compatibility as shown below:

- Fixtures with closed cans are not compatible with Indy LRT retrofit fixtures. Only open frame style fixtures can be retrofitted using Indy LRT retrofits.
- Measure the existing fixture frame opening by removing the existing reflector, then measuring the diameter of the existing metal frame opening. The correct measurement is shown in the photo below.
- Refer to the below table to pick the correct fixture, or fixture plus oversize ring



Measure the diameter of the metal frame through the center of the opening

Existing Fixture Frame Opening Diameter	Use This Retrofit
6" through 6-5/8"	LRT6 fixture
6-11/16" through 7-1/2"	LRT6 fixture plus INOR6/712 oversize ring
7-5/8" through 8-1/8"	LRT8 fixture
8-3/16" through 8-7/8"	LRT8 fixture plus INOR8/878 oversize ring
9" through 10"	LRT9 fixture
10" through 11"	LRT10 fixture
11-3/4" through 12-3/4"	LRT12 fixture

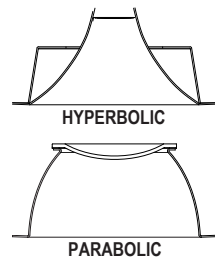
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PRODUCT SPECIFICATIONS (cont.)

MECHANICAL

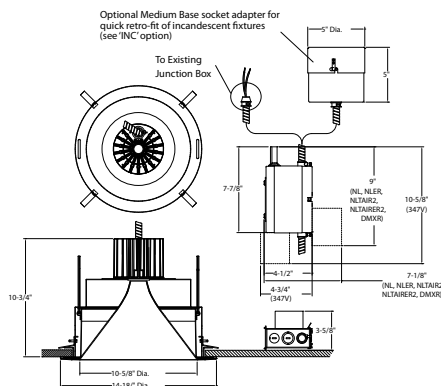
Retro-fit Housing: Housing installs from below ceiling • Must be installed in ring frame only • Secured in place by four (4) tension clips • Tension clips accommodate ceilings from 1/2" to 1-1/8" thick • Integral heat sink conducts heat away from LED light engine • Driver is accessible from below the ceiling and can be upgraded to accommodate future technology improvements.

TRIMS:



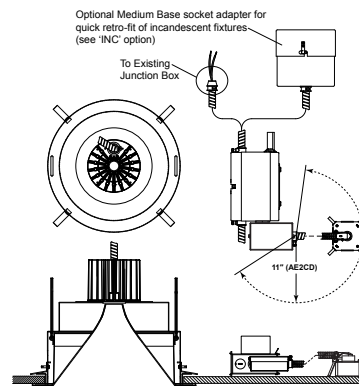
APERTURE: 10-5/8" Dia.
RETROFITS: fixtures with a rough-in inner diameter of 11-3/4" to 12-3/4"
OVERLAP RING: 14-1/8" Dia.

PASSIVE COOLING DIMENSIONS: 800 - 9000 Lumens



Atrius Enabled

PASSIVE COOLING DIMENSIONS: 800 - 9000 Lumens



ENERGY STAR® certified

PRODUCT#		FIXTURE CONFIGURATIONS = ENERGY STAR	
	MVOLT 120V/277V LRT12 (WW)LM (XX)K MVOLT G4 (YY)CRI (ZZ) (CC) ¹	Lumen Package:	WW = 08 ² , 13 ² , 15, 17
		CCT:	XX = 27, 30, 35, 40, 50
	120V/277V LRT12 (WW)LM (XX)K (V) G4 (YY)CRI (ZZ) (CC) ¹	Voltage:	MVOLT (120V-277V)
		CRI:	YY = 80, 90, 97
		Trim Type:	ZZ = HN, HM, HW, P
		Trim Color/Finish:	CC = CS, CSS, CD
		Lumen Package:	WW = 17, 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, ECOD 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 damp locations • UL spacing requirement for 4000 lumen and above: minimum of 4' between fixture centers, 3" overhead 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

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Catalog Number
LRT12 90LM 35K 120 G4 80CRI ZT NLTAIR2 P CS

Notes
HIGH SCHOOL - 12" RETROFIT

Type

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ENGINEERING DATA: 347 Volt available, consult factory

120																	
VOLTAGE																	
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
2700K/3000K/3500K/4000K/5000K																	
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	0.710
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	85.03
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
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
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
277																	
VOLTAGE																	
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
2700K/3000K/3500K/4000K/5000K																	
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	0.310
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	83.16
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
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
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

HYPERBOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)																		
TRIM/FINISH	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT12 HN CS	774	102.8	1290	109.9	1491	109.2	1698	107.3	2285	97.2	2755	96.8	3207	95.4	3899	92.5	4207	101.6
LRT12 HN CSS	714	94.8	1191	101.4	1376	100.7	1566	99.0	2109	89.7	2542	89.3	2959	88.0	3598	85.4	3828	92.4
LRT12 HN CD	623	82.8	1040	88.5	1201	87.9	1368	86.4	1841	78.3	2220	78.0	2583	76.8	3141	74.5	3283	79.3
LRT12 HM CS	748	99.3	1247	106.2	1441	105.5	1640	103.7	2208	93.9	2663	93.6	3099	92.2	3768	89.4	3990	96.4
LRT12 HM CSS	706	93.7	1177	100.2	1360	99.5	1548	97.8	2084	88.6	2512	88.3	2924	87.0	3555	84.4	3719	89.8
LRT12 HM CD	625	83.1	1043	88.9	1205	88.2	1372	86.7	1847	78.5	2227	78.3	2592	77.1	3152	74.8	3420	82.6
LRT12 HW CS	726	96.3	1210	103.1	1398	102.4	1592	100.6	2143	91.1	2584	90.8	3007	89.4	3656	86.8	3990	96.4
LRT12 HW CSS	683	90.7	1139	97.0	1317	96.4	1499	94.7	2018	85.8	2433	85.5	2831	84.2	3442	81.7	3686	89.0
LRT12 HW CD	601	79.8	1002	85.3	1157	84.7	1318	83.3	1774	75.4	2139	75.1	2489	74.0	3026	71.8	3209	77.5
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT12 HN CS	4605	101.1	5099	99.8	5295	100.8	5797	99.8	6346	98.2	6644	96.5	7048	96.8	7781	98.7	8192	96.3
LRT12 HN CSS	4189	92.0	4639	90.8	4817	91.7	5274	90.8	5773	89.4	6044	87.8	6412	88.0	7079	89.8	7453	87.6
LRT12 HN CD	3593	78.9	3978	77.9	4132	78.7	4523	77.8	4951	76.7	5184	75.3	5499	75.5	6071	77.0	6392	75.2
LRT12 HM CS	4367	95.9	4836	94.7	5022	95.6	5498	94.6	6018	93.2	6301	91.5	6684	91.8	7379	93.6	7769	91.4
LRT12 HM CSS	4070	89.4	4507	88.2	4680	89.1	5124	88.2	5609	86.8	5872	85.3	6230	85.5	6878	87.2	7241	85.2
LRT12 HM CD	3742	82.2	4144	81.1	4304	82.0	4712	81.1	5157	79.8	5400	78.4	5728	78.7	6324	80.2	6658	78.3
LRT12 HW CS	4367	95.9	4836	94.7	5022	95.6	5498	94.6	6018	93.2	6301	91.5	6684	91.8	7379	93.6	7769	91.4
LRT12 HW CSS	4034	88.6	4467	87.5	4639	88.4	5079	87.4	5560	86.1	5821	84.6	6175	84.8	6818	86.4	7177	84.4
LRT12 HW CD	3512	77.1	3889	76.1	4039	76.9	4422	76.1	4840	74.9	5068	73.6	5376	73.8	5935	75.3	6248	73.5

PARABOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)																		
	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT12 P CS	647	86.0	1080	92.0	1248	91.4	1421	89.8	1912	81.3	2306	81.0	2684	79.8	3263	77.4	3608	87.1
LRT12 P CSS	638	84.7	1064	90.6	1230	90.0	1400	88.5	1884	80.1	2272	79.8	2644	78.7	3215	76.3	3587	86.6
LRT12 P CD	571	75.8	952	81.1	1100	80.5	1252	79.2	1686	71.7	2032	71.4	2365	70.4	2876	68.2	3203	77.3
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT12 P CS	3949	86.7	4373	85.6	4541	86.5	4972	85.6	5442	84.3	5698	82.8	6045	83.0	6673	84.6	7026	82.6
LRT12 P CSS	3926	86.2	4347	85.1	4514	86.0	4943	85.1	5410	83.8	5664	82.3	6009	82.5	6634	84.1	6984	82.1
LRT12 P CD	3505	77.0	3881	76.0	4031	76.8	4413	75.9	4831	74.8	5057	73.5	5365	73.7	5923	75.1	6236	73.3

BEAM SPREAD

TRIM	800-4000 LUMEN	4500-9000 LUMEN
LRT12 HN CS	15°	26°
LRT12 HN CSS	20°	26°
LRT12 HN CD	31°	44°
LRT12 HM CS	62°	64°
LRT12 HM CSS	62°	64°
LRT12 HM CD	62°	64°
LRT12 HW CS	66°	69°
LRT12 HW CSS	66°	69°
LRT12 HW CD	66°	69°
LRT12 P CS	59°	60°
LRT12 P CSS	59°	60°
LRT12 P CD	59°	60°

CCT MULTIPLIERS

CCT	08LM-40LM	45LM-90LM
2700K	0.9	0.92
3000K	0.96	0.97
3500K	1	1
4000K	1.02	1.01
5000K	1.04	1.05

CRI MULTIPLIERS

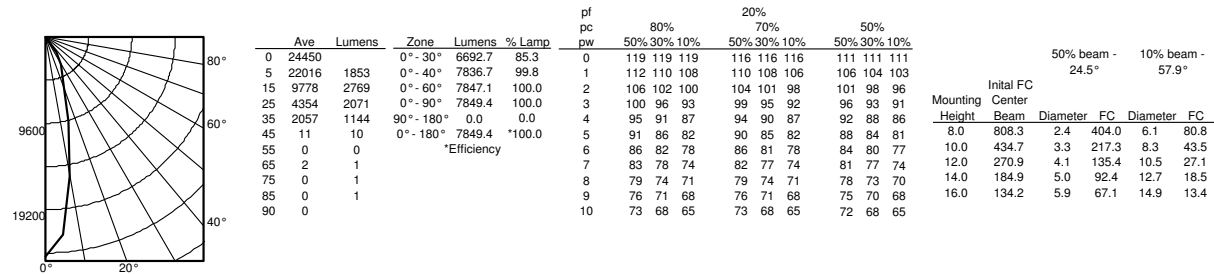
CRI	08LM-40LM	45LM-90LM
80CRI	1	1
90CRI	0.83	0.85
97CRI	0.80	0.77

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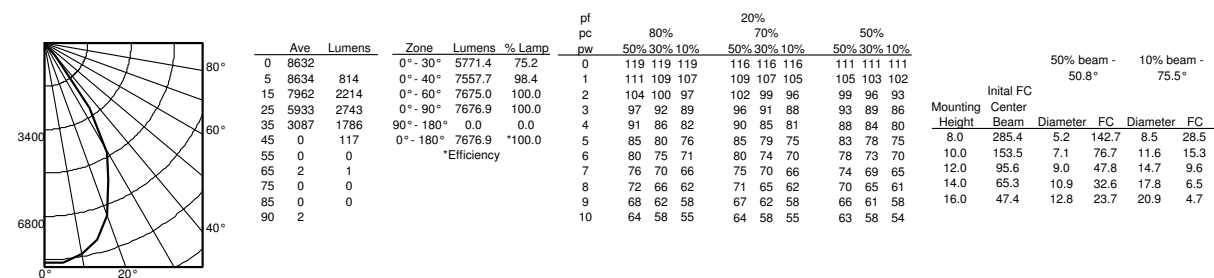
PHOTOMETRICS

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

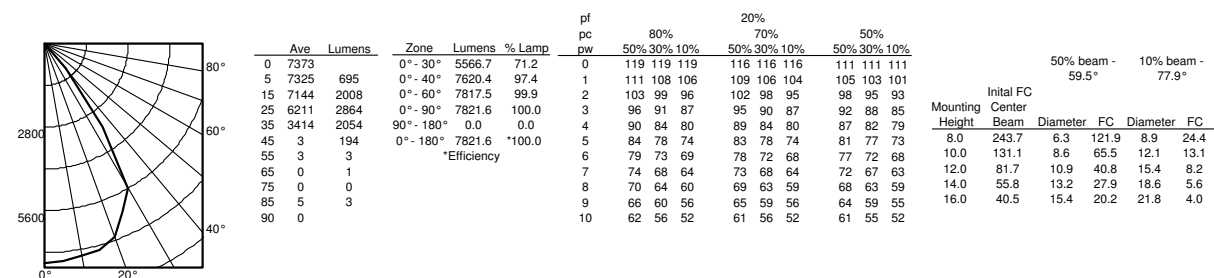
LRT12 90LM 35K + LRT12 HN CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7849.4, LM/W = 92.3, Spacing Criteria: 0.4, test no. PR08170393, tested in accordance to IESNA LM-79.



LRT12 90LM 35K + LRT12 HM CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7676.9, LM/W = 90.3, Spacing Criteria: 0.9, test no. PR08170394, tested in accordance to IESNA LM-79.



LRT12 90LM 35K + LRT12 HW CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7821.6, LM/W = 92.0, Spacing Criteria: 1.1, test no. PR08170395, tested in accordance to IESNA LM-79.

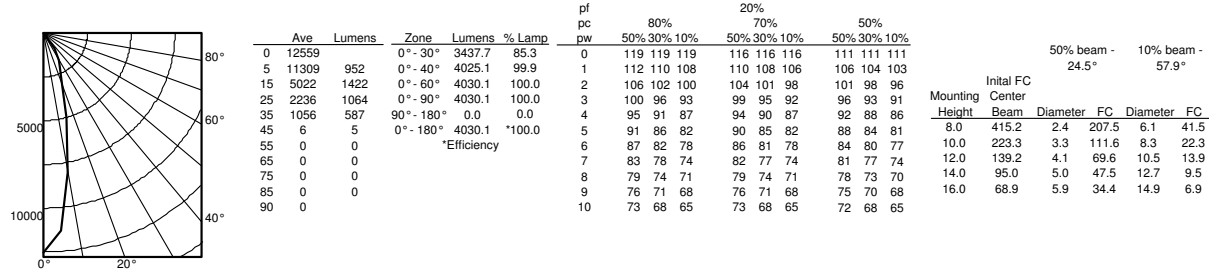


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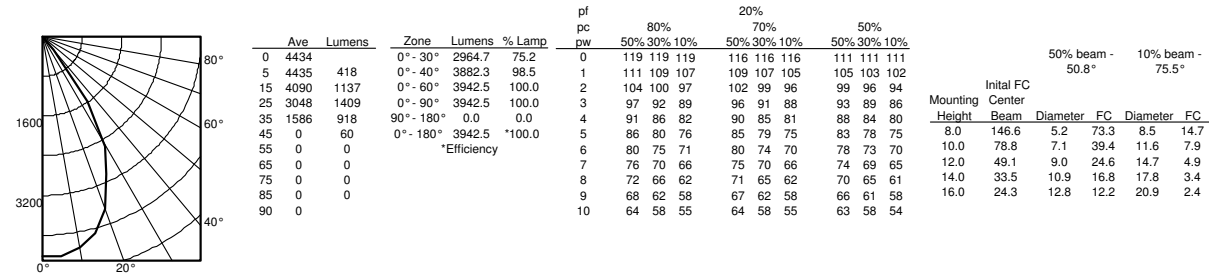
PHOTOMETRICS

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

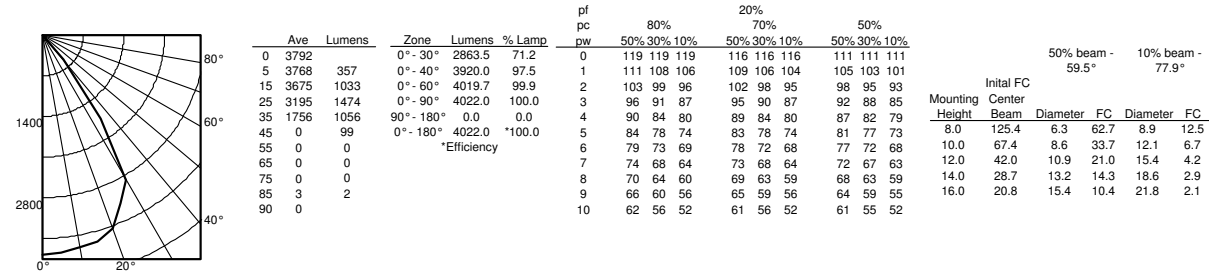
LRT12 45LM 35K + LRT12 HN CS, 3500K LEDs, input watts: 41.41, delivered lumens: 4030.1, LM/W = 97.3, Spacing Criteria: 0.4, test no. PR08170383, tested in accordance to IESNA LM-79.



LRT12 45LM 35K + LRT12 HM CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3942.5, LM/W = 95.2, Spacing Criteria: 0.9, test no. PR08170384, tested in accordance to IESNA LM-79.



LRT12 45LM 35K + LRT12 HW CS, 3500K LEDs, input watts: 41.41, delivered lumens: 4022.0, LM/W = 97.1, Spacing Criteria: 1.1, test no. PR08170385, tested in accordance to IESNA LM-79.

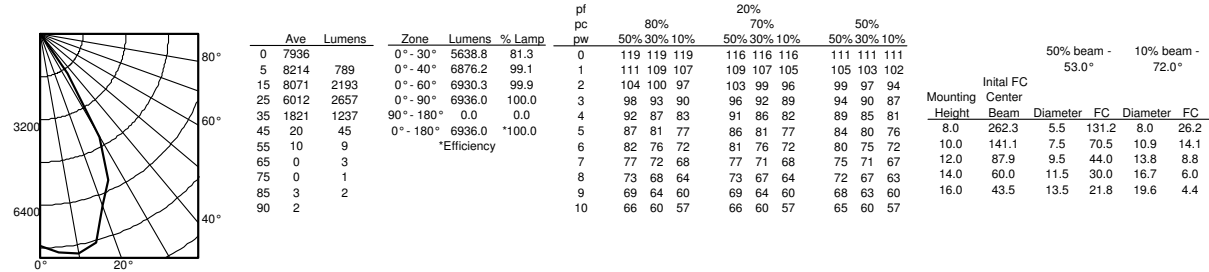


J7.1.92G4

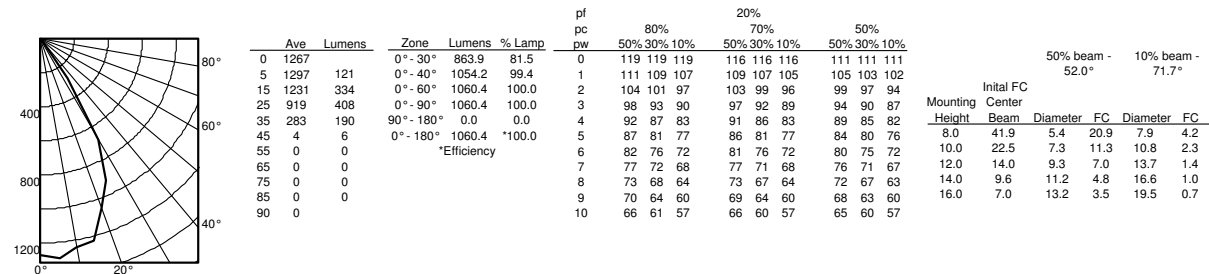
PHOTOMETRICS

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

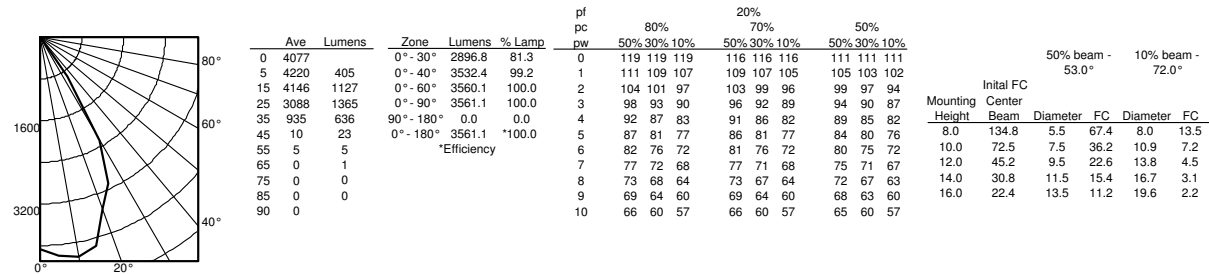
LRT12 90LM 35K + LRT12 P CS, 3500K LEDs, input watts: 85.03, delivered lumens: 6936.0, LM/W = 81.6, Spacing Criteria: 1.0, test no. PR08170399, tested in accordance to IESNA LM-79.



LRT12 13LM 35K + LRT12 P CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1060.4, LM/W = 72.1, Spacing Criteria: 1.0, test no. PR08170341, tested in accordance to IESNA LM-79.



LRT12 45LM 35K + LRT12 P CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3561.1, LM/W = 86.0, Spacing Criteria: 1.0, test no. PR08170389, tested in accordance to IESNA LM-79.



J7.1.92G4

CONTROLS

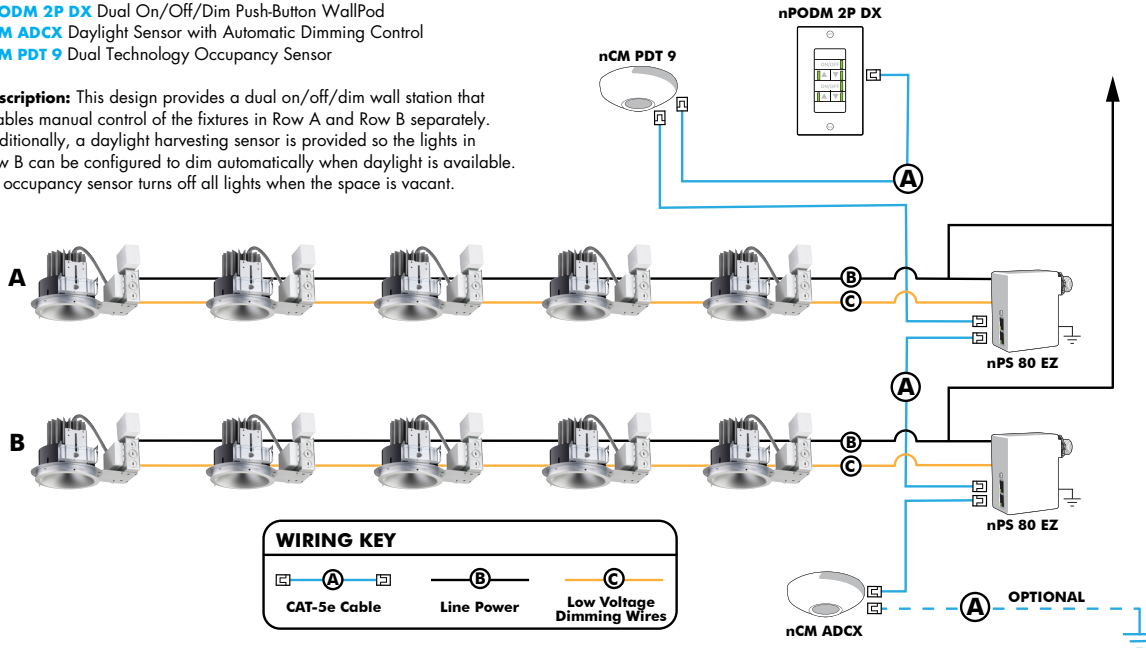
EXAMPLE

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

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT12 90LM 35K 120 G4 80CRI ZT NLTAIR2 P CS

Notes
HIGH SCHOOL - 12" RETROFIT

Type

J7.1.92G4

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 WH¹

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



ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- One fixture converts nearly any manufacturers incandescent, CFL or H.I.D. fixtures with a rough-in inner diameter of 6" to 6-5/8" diameter to high efficiency LED
- All installation can be performed from below the ceiling with out removing existing fixture
- Energy savings up to 50-60% vs. CFL and HID
- 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

Overlap Ring: All fixtures include a white painted overlap ring to conceal the housing from below the ceiling. The ring will extend past the trim flange. For additional ring color options, consult factory.

ELECTRICAL

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

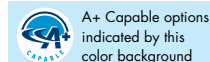
• Replaceable light engine with push in wire connections mounts directly to heat sink and is easily replaceable

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

Active Cooling: Low noise, high efficiency, long life fan with ultra-low thermal resistance heat sink ensures long life and maximum performance of LEDs on light weight units of 8500 lumens and higher • Active cooling unit easily accessible from above or below the ceiling

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 Lutron EcoSystem, 2-wire dimmers DMXR, or DALI • For a list of compatible dimmers, see [LED-DIM](#).



Design2Ship Quick Ship Program:
Options in green text qualify for Design2Ship
— 5 business days from order entry to ship. Refer to
Design2Ship Brochure for complete program details.
Maximum Order Quantity: 50 units.

ORDERING INFORMATION

Complete Catalog# Example Includes (Rough-In, option, reflector, accessory) Ordering Example: LRT6 08LM 27K MVOLT G4 80CRI ZT LDI HW CS PF

ROUGH-IN

Series	Lumen Package	Color Temperature	Voltage	Generation	CRI	Driver	Rough-In Options
LRT6	6" L-Series Retrofit Downlight						
	08LM 800 Lumens	27K 2700K	120	G4	80CRI	DALI	F3.9 Fuse and Fuse Holder
	13LM 1300 Lumens	30K 3000K	277		90CRI ^{1,2}	DMXR	CP10,14,23 Chicago Plenum
	15LM 1500 Lumens	35K 3500K	347		97CRI ²	EDAB ^{4,21}	LDI ¹⁴ Lumen Depreciation Indicator
	17LM 1700 Lumens	40K 4000K	MVOLT ¹				BR ^{4,13} 600 Lumen Emergency Battery Pack w/Remote Test Switch
	23LM 2300 Lumens	50K 5000K	(120-277)			EDXB ^{3,4,6}	BRT20C ^{4,13} 600 Lumen Emergency Battery Pack w/Remote Test Switch
	28LM 2800 Lumens					EZ10 ^{4,21}	HBR ^{3,13} 1000 Lumen Emergency Battery Pack w/Remote Test Switch
	33LM 3300 Lumens					EZ1 ^{4,21}	NLR ^{9,11} nLight® Dimming Pack Controls
	40LM 4000 Lumens					EZB ^{4,21}	NLER ^{9,11} nLight® dimming pack controls. nLER controls fixtures on emergency circuit
	45LM 4500 Lumens					FD ^{5,7}	NLTAIR2 ^{5,11,19} nLight® AIR Dimming Pack Wireless Controls
	50LM 5000 Lumens					FDL ^{7,8,17}	NLTAIRK2 ^{5,11,19} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
	55LM 5500 Lumens					ECOD ^{8,17,22}	INC ^{7,20} Medium base socket adapter for quick retrofit of incandescent fixtures
	60LM 6000 Lumens					ZT	AE2CD ^{18,19} Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)
	65LM 6500 Lumens					GZ1 ⁵	

J7.1.18G4

800 TO 9000 LUMEN
6" LED RETRO-FIT

HYPERBOLIC / PARABOLIC / WALLWASH
LRT6 SERIES

Type	Cat. No.
Project:	
Notes:	

Life: Rated for 60,000 hours at 70% lumen maintenance
• Available with optional Lumen Depreciation Indicator, LDI option (U.S. Patent No. 9,119,269)

Operation Temperature: -20° C to 50° C

Emergency Battery Pack (Optional) output: Provides a minimum of 600 (BR & BRT20C), or 1000 (HBR) lumens for a minimum duration of 90 minutes • BRT20C option is CEC Title 20 compliant

Warranty: 5 years when used in accordance with manufacturing guidelines.

Specifications subject to change without notice.



J7.1.18G4**REFLECTOR** To order reflector separately, use "LRT6" prefix before reflector option values. Ex: LRT6 HW CS PF

Trim Style		Finish	Trim Options
BAF ¹² Baffle	P Parabolic	BL Black, White Flange (Baffle only)	PF ¹⁶ White Flange
HM ¹³ Hyperbolic Medium	WC ¹³ Corner Wall Wash	CD Clear Diffuse	WET Wet Location
HN ¹³ Hyperbolic Narrow	WD ¹³ Double Wall Wash	CS Clear Specular	
HW ¹³ Hyperbolic Wide	WS ¹³ Single Wall Wash	CSS Clear Semi-Specular	
HWS ¹³ Hyperbolic Single Wall Wash		WH White, White Flange	

ACCESSORIES

Accessories
INOR6/712 LRT6 Oversize ring for rough-in openings between 6-5/8" and 7-1/2"

Ordering Notes

- 1 MVOLT not available for 85LM and up.
- 2 2700K & 3000K only.
- 3 Not available with 347V.
- 4 Not compatible with LDL.
- 5 Not available for 6000 lumens and up.
- 6 Not available for 4000 and 5500 lumens and up.
- 7 120V only.
- 8 Not available for 5000 lumens and up.
- 9 Specify voltage.
- 10 BR, BRT20C, HBR, EDXB, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with CP.
- 11 Only compatible with the following driver options: EZ1, EZB, EZ10, GZ1; ZT (for 60LM - 90LM only).
- 12 Only available with BL or WH trim finish; white flange standard.
- 13 Not compatible with WET.
- 14 Not available for 8500 lumens and up.

- 15 90CRI not compatible with 50K for 800-2300 lumens.
- 16 PF not available with BL or WH finishes. When specifying BL or WH finishes, flange is always painted white.
- 17 Not compatible with BR, BRT20C, HBR, or LDL.
- 18 See AE2CD notes in following table for compatibility with other options.
- 19 NLTAIR2, NLTAIRER2, AE2CD not recommended for metal ceiling installations.
- 20 Cannot be used with BR, HBR, or BRT20C. Can only be used with FD, FDL, and ZT drivers (but cannot be dimmed with ZT).
- 21 Not available for 85LM and up.
- 22 ECOD with MVOLT only available for 08LM - 17LM.
- 23 CP with MVOLT only available for 08LM - 17LM.

AE2CD Notes

Only compatible with EZ1 driver for 55LM and below.
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.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands Lighting is under license.

Before ordering, check fixture compatibility as shown below:

1. Fixtures with closed cans are not compatible with Indy LRT retrofit fixtures. Only open frame style fixtures can be retrofitted using Indy LRT retrofits.
2. Measure the existing fixture frame opening by removing the existing reflector, then measuring the diameter of the existing metal frame opening. The correct measurement is shown in the photo below.
3. Refer to the below table to pick the correct fixture, or fixture plus oversize ring

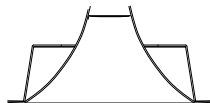
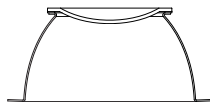
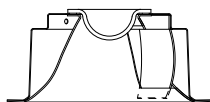
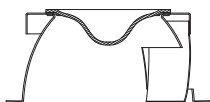


Measure the diameter of the metal frame through the center of the opening

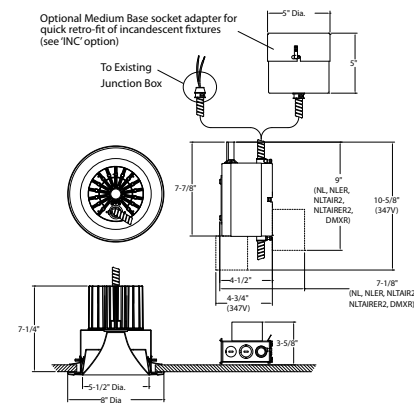
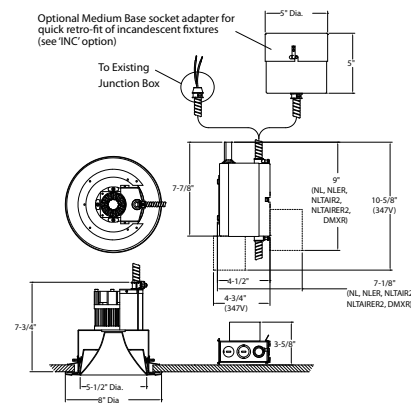
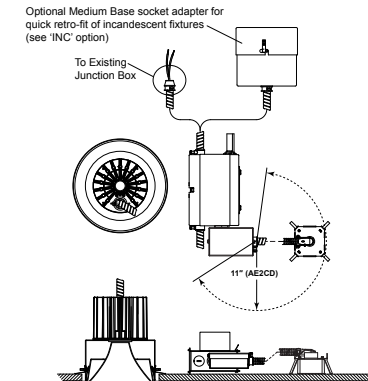
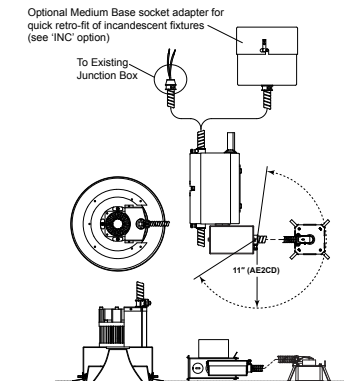
Existing Fixture Frame Opening Diameter	Use This Retrofit
6" through 6-5/8"	LRT6 fixture
6-11/16" through 7-1/2"	LRT6 fixture plus INOR6/712 oversize ring
7-5/8" through 8-1/8"	LRT8 fixture
8-3/16" through 8-7/8"	LRT8 fixture plus INOR8/878 oversize ring
9" through 10"	LRT9 fixture
10" through 11"	LRT10 fixture
11-3/4" through 12-3/4"	LRT12 fixture

J7.1.18G4**PRODUCT SPECIFICATIONS (cont.)****MECHANICAL**

Retro-fit Housing: Housing installs from below ceiling • Must be installed in ring frame only • Secured in place by three (3) tension clips • Tension clips 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.

TRIMS:**HYPERBOLIC****PARABOLIC****HYPERBOLIC WALLWASH****PARABOLIC WALLWASH**

APERTURE: 5-1/2" Dia.
RETROFITS: fixtures with a rough-in inner diameter of 6" to 6-5/8"
OVERLAP RING: 8" Dia.

PASSIVE COOLING DIMENSIONS: 800 - 8000 Lumens**ACTIVE COOLING DIMENSIONS: 8500 - 9000 Lumens****Atrius Enabled****PASSIVE COOLING DIMENSIONS: 800 - 8000 Lumens****ACTIVE COOLING DIMENSIONS: 8500 - 9000 Lumens****ENERGY STAR® certified**

PRODUCT#		FIXTURE CONFIGURATIONS = ENERGY STAR	
	120V/277V LRT6 (WW)LM (XX)K MVOLT G4 (YY)CRI (ZZ) (CC) ¹	Lumen Package:	WW = 08 ² , 13 ² , 15, 17
		CCT:	XX = 27, 30, 35, 40, 50
	120V/277V LRT6 (WW)LM (XX)K (V) G4 (YY)CRI (ZZ) (CC) ¹	Voltage:	MVOLT (120V-277V)
		CRI:	YY = 80, 90, 97
		Trim Type:	ZZ = HN, HM, HW, P
		Trim Color/Finish:	CC = CS, CSS, CD
		Lumen Package:	WW = 17, 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, ECOD 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 damp locations • UL spacing requirement for 4000 lumen and above: minimum of 4" between fixture centers, 3" overhead 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

Project 19-83110-0

Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number

LRT6 65LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Type

Notes

HIGH SCHOOL - 6" RETROFIT

J7.1.18G4

ENGINEERING DATA: 347 Volt available, consult factory

120																	
VOLTAGE																	
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
2700K/3000K/3500K/4000K/5000K																	
CCT																	
INPUT CURRENT	0.076	0.123	0.142	0.167	0.247	0.238	0.280	0.351	0.345	0.381	0.427	0.439	0.483	0.541	0.573	0.607	0.710
INPUT WATTAGE	9.15	14.70	17.06	19.98	29.64	28.46	33.62	42.14	41.41	45.54	51.08	52.51	58.11	64.59	68.84	72.83	85.03
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
THD%	6.67	4.25	3.91	4.07	5.68	5.46	4.43	4.53	6.03	6.03	6.23	6.44	6.54	7.32	7.58	7.75	8.37
POWER FACTOR	0.994	0.996	0.995	0.995	0.995	0.995	0.997	0.998	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.996	0.996
277																	
VOLTAGE																	
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
2700K/3000K/3500K/4000K/5000K																	
CCT																	
INPUT CURRENT	0.036	0.058	0.067	0.077	0.113	0.108	0.131	0.158	0.161	0.175	0.195	0.202	0.221	0.251	0.265	0.268	0.310
INPUT WATTAGE	9.34	14.69	17.14	20.03	29.49	28.19	33.83	41.68	41.74	45.80	51.02	52.35	57.64	64.22	68.40	71.29	83.16
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
THD%	11.84	10.97	11.48	10.49	8.94	9.04	10.48	8.79	9.15	8.07	9.85	11.12	10.97	13.07	12.83	12.96	13.53
POWER FACTOR	0.925	0.918	0.916	0.934	0.944	0.943	0.932	0.953	0.934	0.943	0.944	0.933	0.942	0.921	0.931	0.957	0.965

HYPERBOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)

	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 HN CS	862	94.2	1391	94.6	1591	93.3	1793	89.8	2162	72.9	2721	95.6	3167	94.2	3850	91.4	4057	98.0
LRT6 HN CSS	777	84.9	1254	85.3	1434	84.1	1617	80.9	1949	65.7	2410	84.7	2805	83.4	3411	80.9	3657	88.3
LRT6 HN CD	709	77.4	1144	77.8	1309	76.7	1475	73.8	1778	60.0	2363	83.0	2750	81.8	3344	79.4	3427	82.8
LRT6 HM CS	889	97.2	1436	97.7	1643	96.3	1851	92.7	2232	75.3	2822	99.2	3285	97.7	3994	94.8	3966	95.8
LRT6 HM CSS	869	95.0	1404	95.5	1606	94.1	1810	90.6	2181	73.6	2647	93.0	3080	91.6	3745	88.9	3753	90.6
LRT6 HM CD	768	83.9	1240	84.3	1418	83.1	1598	80.0	1926	65.0	2370	83.3	2758	82.0	3353	79.6	3310	79.9
LRT6 HW CS	941	102.8	1519	103.3	1737	101.8	1958	98.0	2360	79.6	2927	102.8	3406	101.3	4142	98.3	4025	97.2
LRT6 HW CSS	906	99.0	1463	99.5	1674	98.1	1886	94.4	2274	76.7	2792	98.1	3249	96.6	3951	93.7	3806	91.9
LRT6 HW CD	868	94.9	1402	95.4	1603	94.0	1807	90.5	2178	73.5	2559	89.9	2978	88.6	3621	85.9	3512	84.8
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 HN CS	4440	97.5	4916	96.2	5106	97.2	5590	96.2	6119	94.7	6406	93.1	6796	93.3	7503	95.1	7899	92.9
LRT6 HN CSS	4002	87.9	4431	86.8	4602	87.6	5038	86.7	5515	85.4	5774	83.9	6125	84.1	6762	85.7	7119	83.7
LRT6 HN CD	3751	82.4	4153	81.3	4313	82.1	4722	81.3	5169	80.0	5411	78.6	5741	78.8	6338	80.4	6672	78.5
LRT6 HM CS	4341	95.3	4806	94.1	4991	95.1	5465	94.0	5982	92.6	6263	91.0	6644	91.2	7335	93.0	7722	90.8
LRT6 HM CSS	4107	90.2	4548	89.0	4723	89.9	5171	89.0	5660	87.6	5926	86.1	6286	86.3	6940	88.0	7306	85.9
LRT6 HM CD	3622	79.5	4011	78.5	4165	79.3	4560	78.5	4992	77.3	5226	75.9	5544	76.1	6121	77.6	6444	75.8
LRT6 HW CS	4405	96.7	4878	95.5	5065	96.5	5546	95.4	6070	94.0	6355	92.3	6742	92.6	7443	94.4	7836	92.2
LRT6 HW CSS	4165	91.5	4612	90.3	4790	91.2	5244	90.2	5740	88.9	6010	87.3	6376	87.5	7039	89.2	7410	87.1
LRT6 HW CD	3844	84.4	4257	83.3	4420	84.2	4840	83.3	5298	82.0	5546	80.6	5884	80.8	6496	82.4	6839	80.4

PARABOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)

	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 P CS	731	79.9	1180	80.3	1350	79.1	1522	76.2	1834	61.9	2313	81.3	2691	80.1	3272	77.7	3422	82.6
LRT6 P CSS	702	76.7	1133	77.1	1296	76.0	1461	73.1	1761	59.4	2218	77.9	2581	76.8	3138	74.5	3283	79.3
LRT6 P CD	657	71.8	1061	72.2	1214	71.2	1368	68.5	1649	55.6	2080	73.1	2420	72.0	2943	69.8	3171	76.6
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 P CS	3745	82.2	4147	81.2	4306	82.0	4715	81.1	5161	79.9	5403	78.5	5732	78.7	6328	80.2	6662	78.3
LRT6 P CSS	3593	78.9	3978	77.9	4132	78.7	4523	77.8	4951	76.7	5184	75.3	5499	75.5	6071	77.0	6392	75.2
LRT6 P CD	3470	76.2	3843	75.2	3990	76.0	4369	75.2	4782	74.0	5007	72.7	5312	72.9	5864	74.3	6173	72.6

BEAM SPREAD

TRIM	800-2300 LUMEN	2800-4000 LUMEN	4500-9000 LUMEN
LRT6 HN CS	19"	22"	24"
LRT6 HN CSS	22"	30"	30"
LRT6 HN CD	33"	51"	51"
LRT6 HM CS	51"	48"	56"
LRT6 HM CSS	51"	48"	56"
LRT6 HM CD	55"	62"	62"
LRT6 HW CS	71"	68"	70"
LRT6 HW CSS	71"	68"	70"
LRT6 HW CD	71"	68"	70"
	800-4000 LUMEN		4500-9000 LUMEN
LRT6 P CS	34"		44"
LRT6 P CSS	34"		44"
LRT6 P CD	45"		50"

CCT MULTIPLIERS

CCT	08LM-23LM	28LM-40LM	45LM-90LM
2700K	0.97	0.9	0.92
3000K	0.99	0.96	0.97
3500K	1	1	1
4000K	1.04	1.02	1.01
5000K	1.09	1.04	1.05

CRI MULTIPLIERS

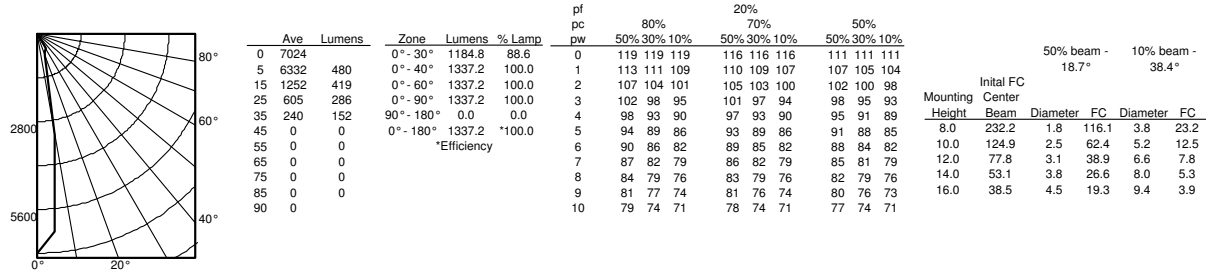
CRI	08LM-23LM	28LM-40LM	45LM-90LM
80CRI	1	1	1
90CRI	0.85	0.83	0.85
97CRI	0.79	0.80	0.77

J7.1.18G4

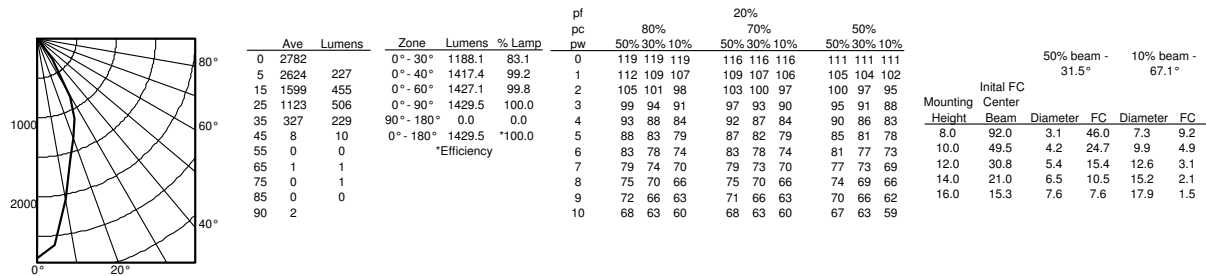
PHOTOMETRICS

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

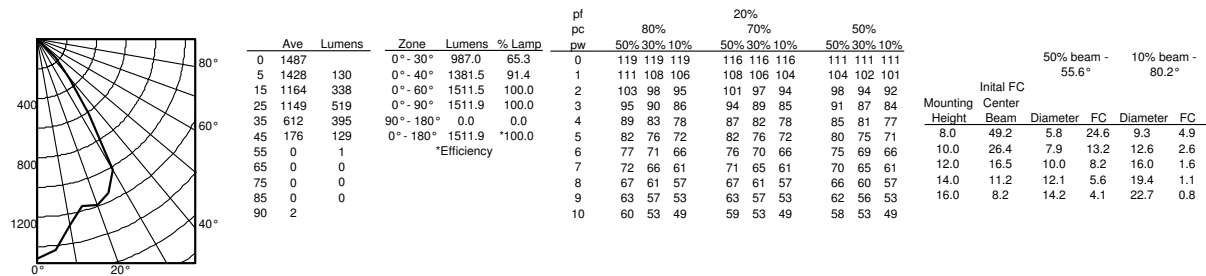
LRT6 13LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1337.2, LM/W = 91.0, Spacing Criteria: 0.3, test no. PR08170986, tested in accordance to IESNA LM-79.



LRT6 13LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1429.5, LM/W = 97.2, Spacing Criteria: 0.6, test no. PR08171091, tested in accordance to IESNA LM-79.



LRT6 13LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1511.9, LM/W = 102.9, Spacing Criteria: 1.1, test no. PR08171095, tested in accordance to IESNA LM-79.

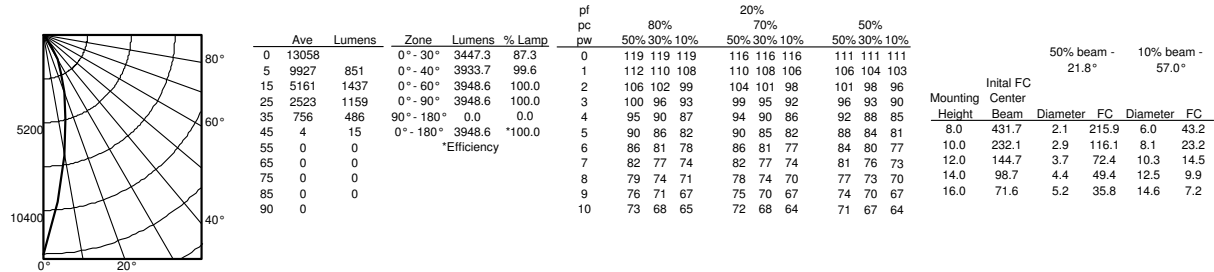


J7.1.18G4

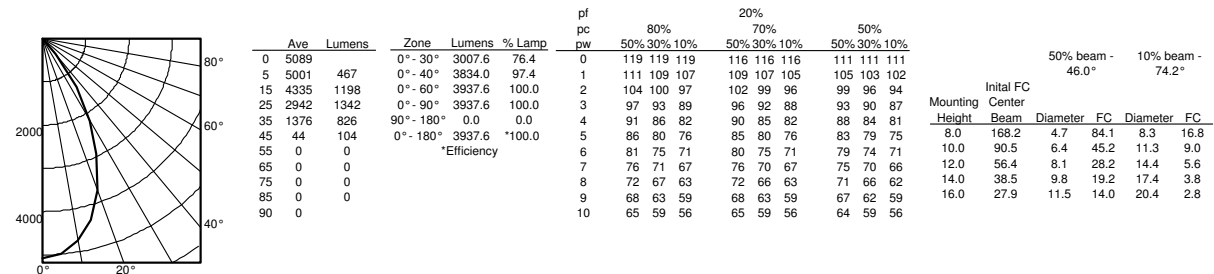
PHOTOMETRICS

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

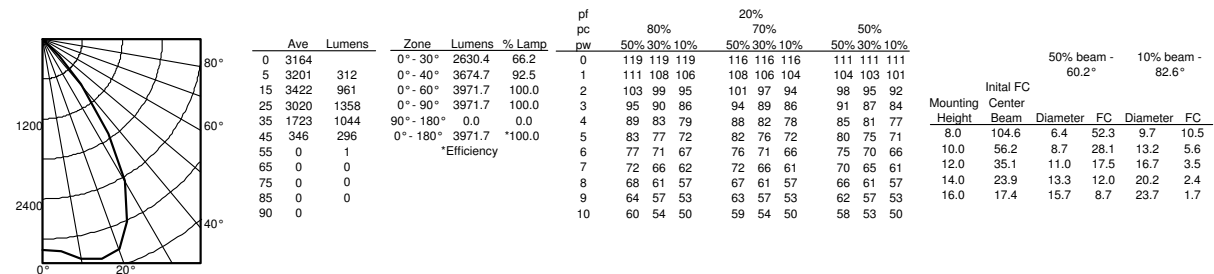
LRT6 45LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3948.6, LM/W = 95.4, Spacing Criteria: 0.4, test no. PR08170981, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3937.6, LM/W = 95.1, Spacing Criteria: 0.8, test no. PR08170982, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3971.7, LM/W = 95.9, Spacing Criteria: 1.2, test no. PR08170983, tested in accordance to IESNA LM-79.

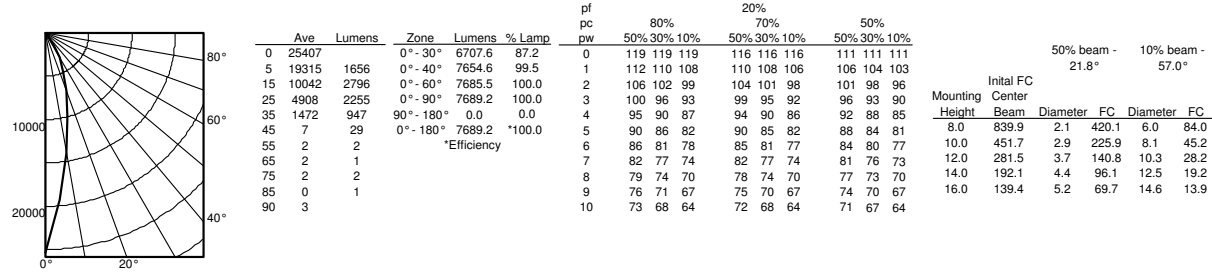


J7.1.18G4

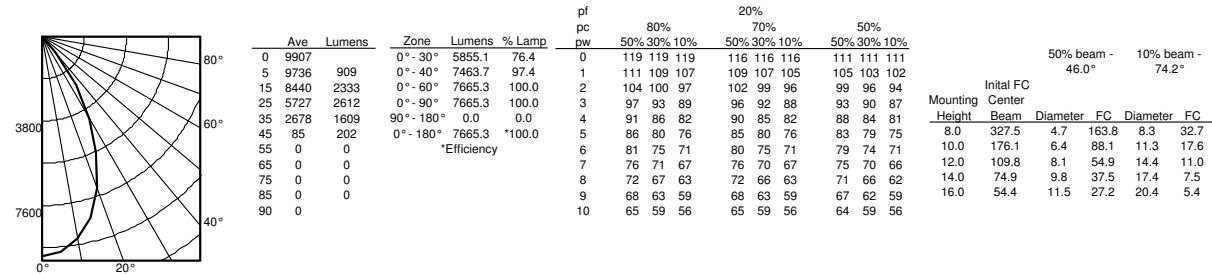
PHOTOMETRICS

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

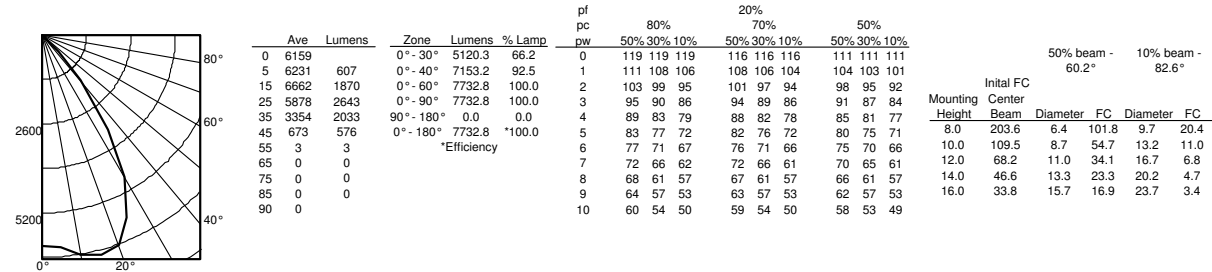
LRT6 90LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7689.2, LM/W = 90.4, Spacing Criteria: 0.4, test no. PR08170991, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7665.3, LM/W = 90.1, Spacing Criteria: 0.8, test no. PR08170992, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7732.8, LM/W = 90.9, Spacing Criteria: 1.2, test no. PR08170993, tested in accordance to IESNA LM-79.

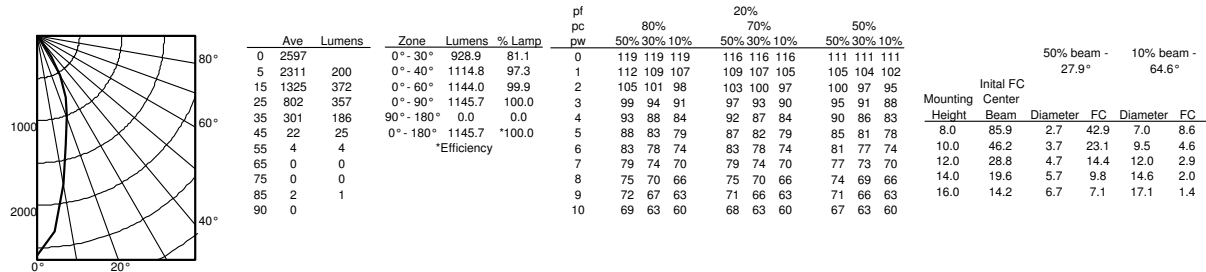


J7.1.18G4

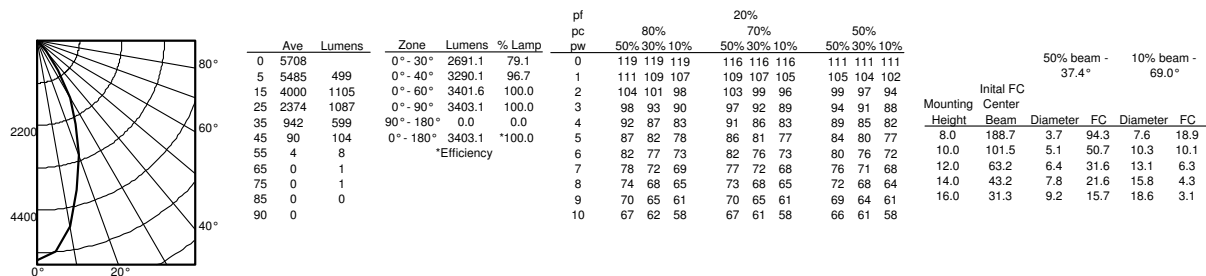
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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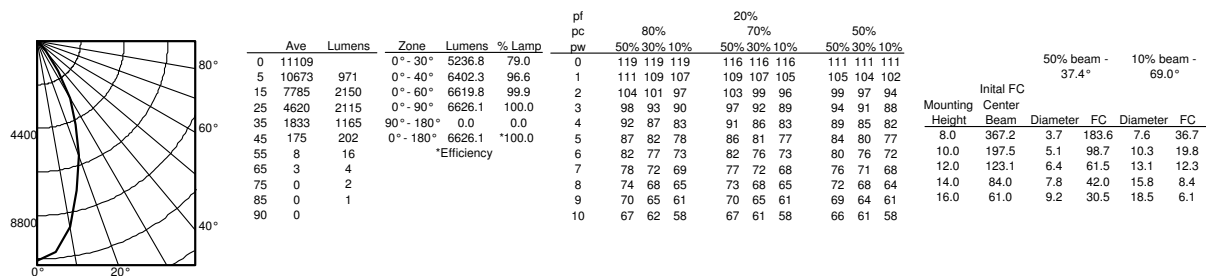
LRT6 13LM 35K + LRT6 P CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1145.7, LM/W = 77.9, Spacing Criteria: 0.5, test no. PR08171097, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 P CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3403.1, LM/W = 82.2, Spacing Criteria: 0.7, test no. PR08170984, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 P CS, 3500K LEDs, input watts: 85.03, delivered lumens: 6626.1, LM/W = 77.9, Spacing Criteria: 0.7, test no. PR08170994, tested in accordance to IESNA LM-79.



Project 19-83110-0

Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number

LRT6 65LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Type

Notes

HIGH SCHOOL - 6" RETROFIT

J7.1.18G4**PERFORMANCE DATA****LUMINAIRES SPACED 2' FROM WALL**

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
41	30	14	7	5	4	1'	70	68	70	53	45	53	47	27	47
89	59	25	11	7	6	2'	142	136	142	109	85	109	99	51	99
120	86	38	15	8	7	3'	200	196	200	147	125	147	132	77	132
88	78	45	20	10	7	4'	184	190	184	126	131	126	103	90	103
49	55	40	22	12	8	5'	141	154	141	91	109	91	67	83	67
33	39	32	22	14	9	6'	113	124	113	76	89	76	56	67	56
25	29	26	19	14	10	7'	94	102	94	64	73	64	48	55	48
20	24	21	16	13	10	8'	78	85	78	55	62	55	42	45	42
15	18	16	13	11	9	9'	61	67	61	44	51	44	33	36	33
10	13	12	10	9	6	10'	45	49	45	34	39	34	25	29	25

LUMINAIRES SPACED 3' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
17	14	10	7	5	5	1'	29	20	29	24	22	24	18	11	18
31	26	18	11	8	7	2'	52	51	52	42	38	42	33	19	33
48	39	25	14	10	8	3'	75	71	75	62	52	62	51	25	51
59	49	32	19	11	8	4'	94	91	94	76	67	76	62	35	62
56	49	35	22	14	10	5'	98	98	98	77	74	77	60	41	60
41	42	33	23	16	11	6'	87	93	87	66	73	66	47	44	47
28	32	29	23	16	12	7'	74	83	74	55	65	55	36	43	36
22	26	24	20	15	12	8'	64	74	64	48	57	48	31	37	31
17	20	19	16	13	11	9'	53	61	53	40	47	40	26	31	26
12	15	15	11	11	10	10'	43	46	43	32	37	32	20	24	20

LUMINAIRES SPACED 4' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
10	9	8	6	5	5	1'	20	21	20	17	17	17	14	11	14
18	16	13	10	8	7	2'	36	37	36	30	29	30	23	18	23
24	21	16	13	10	8	3'	46	46	46	38	36	38	29	23	29
31	28	21	15	11	9	4'	60	60	60	48	47	48	37	28	37
37	33	25	19	13	10	5'	72	72	72	57	55	57	43	34	43
37	34	28	20	15	12	6'	78	79	78	61	60	61	45	39	45
34	32	27	21	16	12	7'	78	79	78	61	61	61	43	40	43
26	27	24	19	15	13	8'	69	75	69	53	58	53	36	38	36
18	20	20	17	14	12	9'	57	64	57	44	50	44	29	33	29
13	15	16	13	12	10	10'	46	50	46	35	40	35	23	29	23

*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.

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT6 65LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Notes
HIGH SCHOOL - 6" RETROFIT

Type

J7.1.18G4

PERFORMANCE DATA

LUMINAIRE SPACED 2' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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
63	45	21	10	6	5	1'	107	105	107	81	67	81	72	41	72
97	65	29	13	8	7	2'	160	154	160	121	96	121	108	59	108
108	79	38	16	9	8	3'	189	186	189	139	121	139	122	77	122
83	67	40	21	11	8	4'	170	169	170	121	115	121	99	82	99
53	49	36	23	13	9	5'	138	143	138	97	97	97	74	74	74
34	37	29	22	15	10	6'	111	121	111	77	85	77	59	63	59
25	29	25	20	15	11	7'	95	103	95	66	75	66	51	55	51
20	24	21	17	14	12	8'	81	89	81	58	65	58	45	47	45
15	18	16	14	12	10	9'	65	71	65	47	55	47	36	38	36
10	13	12	11	10	7	10'	48	53	48	37	42	37	27	31	27

LUMINAIRE SPACED 3' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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
28	24	16	10	7	6	1'	47	47	47	39	35	39	30	17	30
39	33	22	14	10	8	2'	66	65	66	54	49	54	42	24	42
50	41	27	17	11	9	3'	82	79	82	67	58	67	54	29	54
55	47	32	20	13	9	4'	92	89	92	74	67	74	59	36	59
49	43	32	22	14	10	5'	91	91	91	72	68	72	54	39	54
41	37	29	22	16	12	6'	83	84	83	66	65	66	48	40	48
32	31	26	21	16	13	7'	75	78	75	59	60	59	41	38	41
23	25	22	19	15	13	8'	64	70	64	49	55	49	34	34	34
17	19	18	15	13	12	9'	52	60	52	40	47	40	28	29	28
12	14	14	11	11	10	10'	42	47	42	32	37	32	21	23	21

LUMINAIRE SPACED 4' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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	15	12	9	7	6	1'	34	34	34	27	27	27	21	17	21
23	21	17	13	10	8	2'	48	49	48	39	38	39	30	24	30
28	25	19	15	11	9	3'	55	55	55	45	43	45	34	27	34
33	29	22	16	12	10	4'	64	64	64	52	50	52	40	31	40
35	32	25	19	14	11	5'	72	73	72	57	56	57	43	35	43
34	31	26	20	15	12	6'	73	74	73	58	57	58	42	37	42
31	28	24	19	16	13	7'	71	73	71	56	56	56	41	36	41
27	25	22	17	15	13	8'	66	70	66	52	53	52	38	34	38
21	20	19	15	13	12	9'	57	60	57	44	47	44	32	29	32
15	15	15	12	11	10	10'	45	46	45	35	37	35	25	25	25

*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.

J7.1.18G4

CONTROLS

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

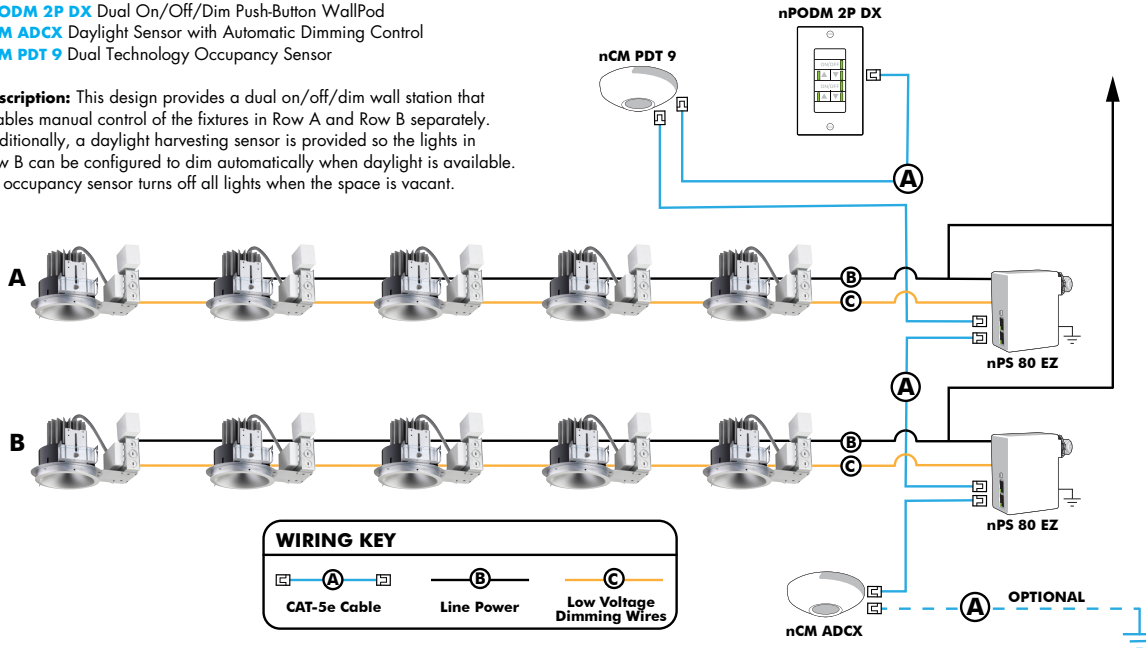
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

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

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT6 65LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Notes
HIGH SCHOOL - 6" RETROFIT

Type

J7.1.18G4

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 WH¹

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



nLight AIR rPODB 2P DX

Mobile Device

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- One fixture converts nearly any manufacturers incandescent, CFL or H.I.D. fixtures with a rough-in inner diameter of 6" to 6-5/8" diameter to high efficiency LED
- All installation can be performed from below the ceiling with out removing existing fixture
- Energy savings up to 50-60% vs. CFL and HID
- 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 convexed glass lens

Overlap Ring: All fixtures include a white painted overlap ring to conceal the housing from below the ceiling. The ring will extend past the trim flange. For additional ring color options, consult factory.

ELECTRICAL

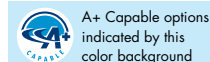
LED Light Engine: Compact light source delivers uniform illumination without pixilation, enabling excellent beam control • 2SDCM (5000K within 3SDCM) • 80, 90 & 97 CRI • Replaceable light engine with push in wire connections mounts directly to heat sink and is easily replaceable

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

Active Cooling: Low noise, high efficiency, long life fan with ultra-low thermal resistance heat sink ensures long life and maximum performance of LEDs on light weight units of 8500 lumens and higher • Active cooling unit easily accessible from above or below the ceiling

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 Lutron EcoSystem, 2-wire dimmers DMXR, or DALI • For a list of compatible dimmers, see [LED-DIM](#).



Design2Ship Quick Ship Program:
Options in green text qualify for Design2Ship
— 5 business days from order entry to ship. Refer to
Design2Ship Brochure for complete program details.
Maximum Order Quantity: 50 units.

ORDERING INFORMATION

Complete Catalog# Example Includes (Rough-In, option, reflector, accessory) Ordering Example: LRT6 08LM 27K MVOLT G4 80CRI ZT LDI HW CS PF

ROUGH-IN

Series	Lumen Package	Color Temperature	Voltage	Generation	CRI	Driver	Rough-In Options
LRT6 6" L-Series Retrofit Downlight	08LM 800 Lumens	27K 2700K	120	G4	80CRI 90CRI ^{1,2} 97CRI ²	DALI	F ^{3,9} Fuse and Fuse Holder
	13LM 1300 Lumens	30K 3000K	277			DMXR	CP ^{10,14,23} Chicago Plenum
	15LM 1500 Lumens	35K 3500K	347			EDAB ^{4,21}	LDI ¹⁴ Lumen Depreciation Indicator
	17LM 1700 Lumens	40K 4000K	MVOLT ¹ (120-277)			EDXB ^{3,4,6}	BR ^{2,4,13} 600 Lumen Emergency Battery Pack w/Remote Test Switch
	23LM 2300 Lumens	50K 5000K				ELDLED POWERdrive DMX/RDM w/ Phoenix Connectors. Logarithmic dimming to <1%	BRT20C ^{3,4,13} 600 Lumen Emergency Battery Pack w/ Remote Test Switch, CEC Title 20 Compliant
	28LM 2800 Lumens					EZ10 ^{4,21}	HBR ^{3,13} 1000 Lumen Emergency Battery Pack w/Remote Test Switch
	33LM 3300 Lumens					EZ1 ^{4,21}	NL ^{9,11} nLight® Dimming Pack Controls
	40LM 4000 Lumens					EZB ^{4,21}	NLER ^{9,11} nLight® dimming pack controls. nLER controls fixtures on emergency circuit
	45LM 4500 Lumens					FD ^{5,7}	NLTAIR2 ^{3,11,19} nLight® AIR Dimming Pack Wireless Controls
	50LM 5000 Lumens					FDL ^{7,8,17}	NLTAIRKZ ^{3,11,19} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
	55LM 5500 Lumens					ECOD ^{8,17,22}	INC ^{7,20} Medium base socket adapter for quick retrofit of incandescent fixtures
	60LM 6000 Lumens					ZT	AE2CD ^{18,19} Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)
	65LM 6500 Lumens					GZ1 ⁵	
	80LM 8000 Lumens						
	85LM 8500 Lumens						
	90LM 9000 Lumens						

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**800 TO 9000 LUMEN
6" LED RETRO-FIT**

HYPERBOLIC / PARABOLIC / WALLWASH
LRT6 SERIES

Type	Cat. No.
Project:	
Notes:	

Life: Rated for 60,000 hours at 70% lumen maintenance
• Available with optional Lumen Depreciation Indicator, LDI option (U.S. Patent No. 9,119,269)

Operation Temperature: -20° C to 50° C

Emergency Battery Pack (Optional) output: Provides a minimum of 600 (BR & BRT20C), or 1000 (HBR) lumens for a minimum duration of 90 minutes • BRT20C option is CEC Title 20 compliant

Warranty: 5 years when used in accordance with manufacturing guidelines.

Specifications subject to change without notice.



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REFLECTOR To order reflector separately, use "LRT6" prefix before reflector option values. Ex: LRT6 HW CS PF

Trim Style		Finish	Trim Options
BAF ¹² Baffle	P Parabolic	BL Black, White Flange (Baffle only)	PF ¹⁶ White Flange
HM ¹³ Hyperbolic Medium	WC ¹³ Corner Wall Wash	CD Clear Diffuse	WET Wet Location
HN ¹³ Hyperbolic Narrow	WD ¹³ Double Wall Wash	CS Clear Specular	
HW ¹³ Hyperbolic Wide	WS ¹³ Single Wall Wash	CSS Clear Semi-Specular	
HWS ¹³ Hyperbolic Single Wall Wash		WH White, White Flange	

ACCESSORIES

Accessories
INOR6/712 LRT6 Oversize ring for rough-in openings between 6-5/8" and 7-1/2"

Ordering Notes

- MVOLT not available for 85LM and up.
- 2700K & 3000K only.
- Not available with 347V.
- Not compatible with LDI.
- Not available for 6000 lumens and up.
- Not available for 4000 and 5500 lumens and up.
- 120V only.
- Not available for 5000 lumens and up.
- Specify voltage.
- BR, BRT20C, HBR, EDXB, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with CP.
- Only compatible with the following driver options: EZ1, EZB, EZ10, GZ1; ZT (for 60LM - 90LM only).
- Only available with BL or WH trim finish; white flange standard.
- Not compatible with WET.
- Not available for 8500 lumens and up.
- 90CRI not compatible with 50K for 800-2300 lumens.
- PF not available with BL or WH finishes. When specifying BL or WH finishes, flange is always painted white.
- Not compatible with BR, BRT20C, HBR, or LDI.
- See AE2CD notes in following table for compatibility with other options.
- NLTAIR2, NLTAIRER2, AE2CD not recommended for metal ceiling installations.
- Cannot be used with BR, HBR, or BRT20C. Can only be used with FD, FDL, and ZT drivers (but cannot be dimmed with ZT).
- Not available for 85LM and up.
- ECOD with MVOLT only available for 08LM - 17LM.
- CP with MVOLT only available for 08LM - 17LM.

AE2CD Notes

Only compatible with EZ1 driver for 55LM and below.
 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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Before ordering, check fixture compatibility as shown below:

- Fixtures with closed cans are not compatible with Indy LRT retrofit fixtures. Only open frame style fixtures can be retrofitted using Indy LRT retrofits.
- Measure the existing fixture frame opening by removing the existing reflector, then measuring the diameter of the existing metal frame opening. The correct measurement is shown in the photo below.
- Refer to the below table to pick the correct fixture, or fixture plus oversize ring



Measure the diameter of the metal frame through the center of the opening

Existing Fixture Frame Opening Diameter	Use This Retrofit
6" through 6-5/8"	LRT6 fixture
6-11/16" through 7-1/2"	LRT6 fixture plus INOR6/712 oversize ring
7-5/8" through 8-1/8"	LRT8 fixture
8-3/16" through 8-7/8"	LRT8 fixture plus INOR8/878 oversize ring
9" through 10"	LRT9 fixture
10" through 11"	LRT10 fixture
11-3/4" through 12-3/4"	LRT12 fixture

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PRODUCT SPECIFICATIONS (cont.)

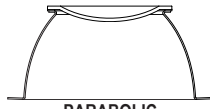
MECHANICAL

Retro-fit Housing: Housing installs from below ceiling • Must be installed in ring frame only • Secured in place by three (3) tension clips • Tension clips 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.

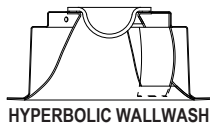
TRIMS:



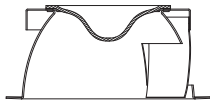
HYPERBOLIC



PARABOLIC



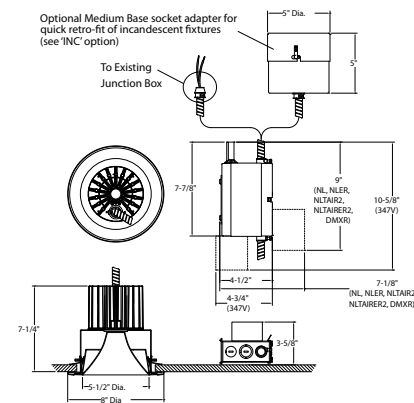
HYPERBOLIC WALLWASH



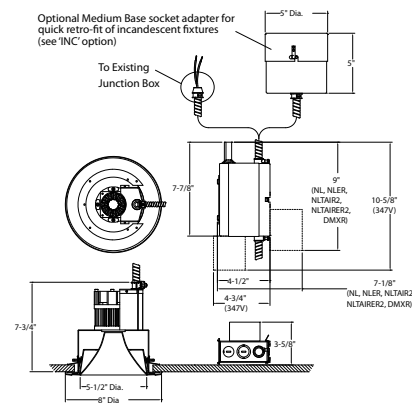
PARABOLIC WALLWASH

APERTURE: 5-1/2" Dia.
RETROFITS: fixtures with a rough-in inner diameter of 6" to 6-5/8"
OVERLAP RING: 8" Dia.

PASSIVE COOLING DIMENSIONS: 800 - 8000 Lumens

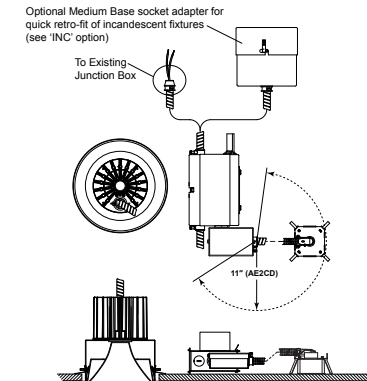


ACTIVE COOLING DIMENSIONS: 8500 - 9000 Lumens

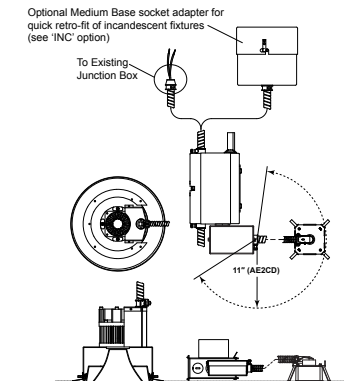


Atrius Enabled

PASSIVE COOLING DIMENSIONS: 800 - 8000 Lumens



ACTIVE COOLING DIMENSIONS: 8500 - 9000 Lumens



ENERGY STAR® certified

PRODUCT#		FIXTURE CONFIGURATIONS = ENERGY STAR	
	120V/277V LRT6 (WW)LM (XX)K MVOLT G4 (YY)CRI (ZZ) (CC) ¹	Lumen Package:	WW = 08 ² , 13 ² , 15, 17
		CCT:	XX = 27, 30, 35, 40, 50
	120V/277V LRT6 (WW)LM (XX)K (V) G4 (YY)CRI (ZZ) (CC) ¹	Voltage:	MVOLT (120V-277V)
		CRI:	YY = 80, 90, 97
		Trim Type:	ZZ = HN, HM, HW, P
		Trim Color/Finish:	CC = CS, CSS, CD
		Lumen Package:	WW = 17, 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, ECOD 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 damp locations • UL spacing requirement for 4000 lumen and above: minimum of 4" between fixture centers, 3" overhead 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

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT6 80LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS
Notes
MIDDLE SCHOOL - 6" RETROFIT

Type

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ENGINEERING DATA: 347 Volt available, consult factory

120																	
VOLTAGE																	
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
CCT	2700K/3000K/3500K/4000K/5000K																
INPUT CURRENT	0.076	0.123	0.142	0.167	0.247	0.238	0.280	0.351	0.345	0.381	0.427	0.439	0.483	0.541	0.573	0.607	0.710
INPUT WATTAGE	9.15	14.70	17.06	19.98	29.64	28.46	33.62	42.14	41.41	45.54	51.08	52.51	58.11	64.59	68.84	72.83	85.03
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
THD%	6.67	4.25	3.91	4.07	5.68	5.46	4.43	4.53	6.03	6.03	6.23	6.44	6.54	7.32	7.58	7.75	8.37
POWER FACTOR	0.994	0.996	0.995	0.995	0.995	0.995	0.997	0.998	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.996	0.996
VOLTAGE	277																
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000
CCT	2700K/3000K/3500K/4000K/5000K																
INPUT CURRENT	0.036	0.058	0.067	0.077	0.113	0.108	0.131	0.158	0.161	0.175	0.195	0.202	0.221	0.251	0.265	0.268	0.310
INPUT WATTAGE	9.34	14.69	17.14	20.03	29.49	28.19	33.83	41.68	41.74	45.80	51.02	52.35	57.64	64.22	68.40	71.29	83.16
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
THD%	11.84	10.97	11.48	10.49	8.94	9.04	10.48	8.79	9.15	8.07	9.85	11.12	10.97	13.07	12.83	12.96	13.53
POWER FACTOR	0.925	0.918	0.916	0.934	0.944	0.943	0.932	0.953	0.934	0.943	0.944	0.933	0.942	0.921	0.931	0.957	0.965

HYPERBOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)

	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 HN CS	862	94.2	1391	94.6	1591	93.3	1793	89.8	2162	72.9	2721	95.6	3167	94.2	3850	91.4	4057	98.0
LRT6 HN CSS	777	84.9	1254	85.3	1434	84.1	1617	80.9	1949	65.7	2410	84.7	2805	83.4	3411	80.9	3657	88.3
LRT6 HN CD	709	77.4	1144	77.8	1309	76.7	1475	73.8	1778	60.0	2363	83.0	2750	81.8	3344	79.4	3427	82.8
LRT6 HM CS	889	97.2	1436	97.7	1643	96.3	1851	92.7	2232	75.3	2822	99.2	3285	97.7	3994	94.8	3966	95.8
LRT6 HM CSS	869	95.0	1404	95.5	1606	94.1	1810	90.6	2181	73.6	2647	93.0	3080	91.6	3745	88.9	3753	90.6
LRT6 HM CD	768	83.9	1240	84.3	1418	83.1	1598	80.0	1926	65.0	2370	83.3	2758	82.0	3353	79.6	3310	79.9
LRT6 HW CS	941	102.8	1519	103.3	1737	101.8	1958	98.0	2360	79.6	2927	102.8	3406	101.3	4142	98.3	4025	97.2
LRT6 HW CSS	906	99.0	1463	99.5	1674	98.1	1886	94.4	2274	76.7	2792	98.1	3249	96.6	3951	93.7	3806	91.9
LRT6 HW CD	868	94.9	1402	95.4	1603	94.0	1807	90.5	2178	73.5	2559	89.9	2978	88.6	3621	85.9	3512	84.8
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 HN CS	4440	97.5	4916	96.2	5106	97.2	5590	96.2	6119	94.7	6406	93.1	6796	93.3	7503	95.1	7899	92.9
LRT6 HN CSS	4002	87.9	4431	86.8	4602	87.6	5038	86.7	5515	85.4	5774	83.9	6125	84.1	6762	85.7	7119	83.7
LRT6 HN CD	3751	82.4	4153	81.3	4313	82.1	4722	81.3	5169	80.0	5411	78.6	5741	78.8	6338	80.4	6672	78.5
LRT6 HM CS	4341	95.3	4806	94.1	4991	95.1	5465	94.0	5982	92.6	6263	91.0	6644	91.2	7335	93.0	7722	90.8
LRT6 HM CSS	4107	90.2	4548	89.0	4723	89.9	5171	89.0	5660	87.6	5926	86.1	6286	86.3	6940	88.0	7306	85.9
LRT6 HM CD	3622	79.5	4011	78.5	4165	79.3	4560	78.5	4992	77.3	5226	75.9	5544	76.1	6121	77.6	6444	75.8
LRT6 HW CS	4405	96.7	4878	95.5	5065	96.5	5546	95.4	6070	94.0	6355	92.3	6742	92.6	7443	94.4	7836	92.2
LRT6 HW CSS	4165	91.5	4612	90.3	4790	91.2	5244	90.2	5740	88.9	6010	87.3	6376	87.5	7039	89.2	7410	87.1
LRT6 HW CD	3844	84.4	4257	83.3	4420	84.2	4840	83.3	5298	82.0	5546	80.6	5884	80.8	6496	82.4	6839	80.4

PARABOLIC

DELIVERED LUMENS/LUMENS PER WATT (35K 80CRI)

	800 35K		1300 35K		1500 35K		1700 35K		2300 35K		2800 35K		3300 35K		4000 35K		4500 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 P CS	731	79.9	1180	80.3	1350	79.1	1522	76.2	1834	61.9	2313	81.3	2691	80.1	3272	77.7	3422	82.6
LRT6 P CSS	702	76.7	1133	77.1	1296	76.0	1461	73.1	1761	59.4	2218	77.9	2581	76.8	3138	74.5	3283	79.3
LRT6 P CD	657	71.8	1061	72.2	1214	71.2	1368	68.5	1649	55.6	2080	73.1	2420	72.0	2943	69.8	3171	76.6
	5000 35K		5500 35K		6000 35K		6500 35K		7000 35K		7500 35K		8000 35K		8500 35K		9000 35K	
TRIM/FINISH	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
LRT6 P CS	3745	82.2	4147	81.2	4306	82.0	4715	81.1	5161	79.9	5403	78.5	5732	78.7	6328	80.2	6662	78.3
LRT6 P CSS	3593	78.9	3978	77.9	4132	78.7	4523	77.8	4951	76.7	5184	75.3	5499	75.5	6071	77.0	6392	75.2
LRT6 P CD	3470	76.2	3843	75.2	3990	76.0	4369	75.2	4782	74.0	5007	72.7	5312	72.9	5864	74.3	6173	72.6

BEAM SPREAD

TRIM	800-2300 LUMEN	2800-4000 LUMEN	4500-9000 LUMEN
LRT6 HN CS	19"	22"	24"
LRT6 HN CSS	22"	30"	30"
LRT6 HN CD	33"	51"	51"
LRT6 HM CS	51"	48"	56"
LRT6 HM CSS	51"	48"	56"
LRT6 HM CD	55"	62"	62"
LRT6 HW CS	71"	68"	70"
LRT6 HW CSS	71"	68"	70"
LRT6 HW CD	71"	68"	70"
	800-4000 LUMEN		4500-9000 LUMEN
LRT6 P CS	34"		44"
LRT6 P CSS	34"		44"
LRT6 P CD	45"		50"

CCT MULTIPLIERS

CCT	08LM-23LM	28LM-40LM	45LM-90LM
2700K	0.97	0.9	0.92
3000K	0.99	0.96	0.97
3500K	1	1	1
4000K	1.04	1.02	1.01
5000K	1.09	1.04	1.05

CRI MULTIPLIERS

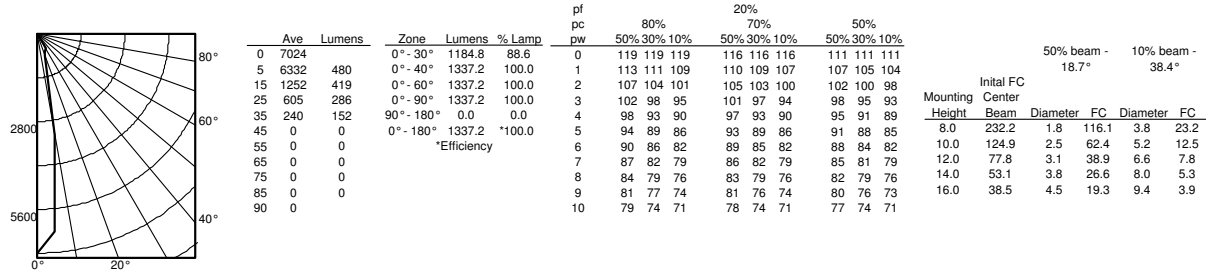
CRI	08LM-23LM	28LM-40LM	45LM-90LM
80CRI	1	1	1
90CRI	0.85	0.83	0.85
97CRI	0.79	0.80	0.77

J7.1.18G4

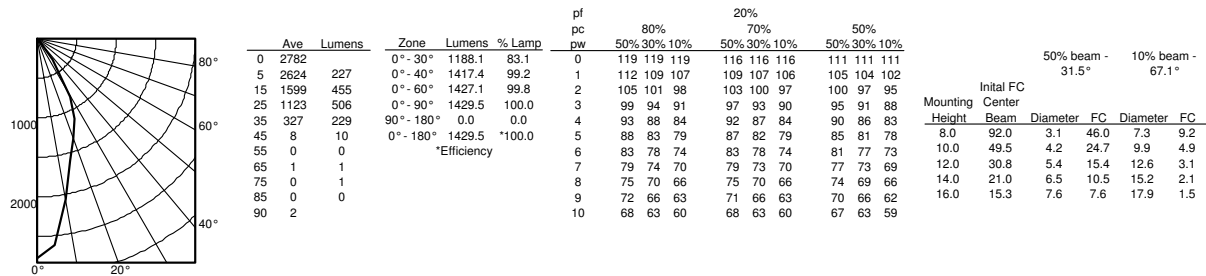
PHOTOMETRICS

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

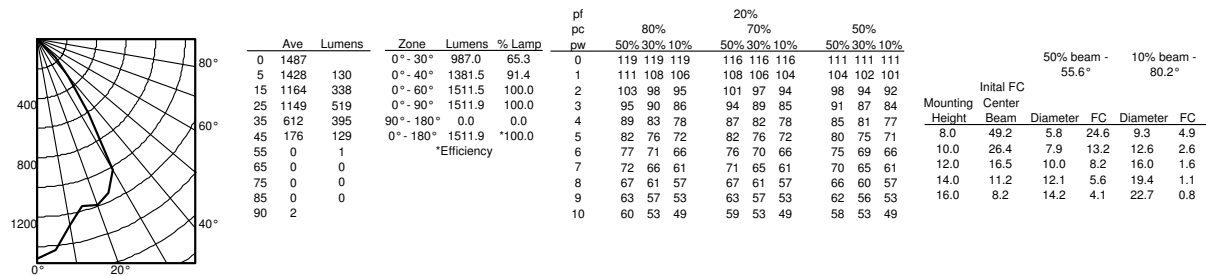
LRT6 13LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1337.2, LM/W = 91.0, Spacing Criteria: 0.3, test no. PR08170986, tested in accordance to IESNA LM-79.



LRT6 13LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1429.5, LM/W = 97.2, Spacing Criteria: 0.6, test no. PR08171091, tested in accordance to IESNA LM-79.



LRT6 13LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1511.9, LM/W = 102.9, Spacing Criteria: 1.1, test no. PR08171095, tested in accordance to IESNA LM-79.

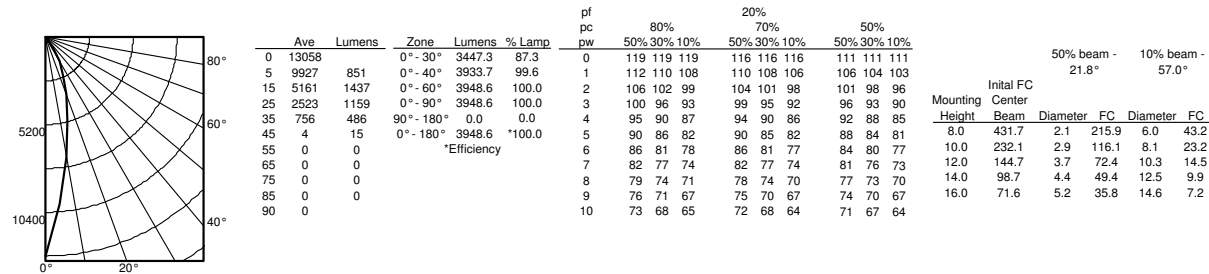


J7.1.18G4

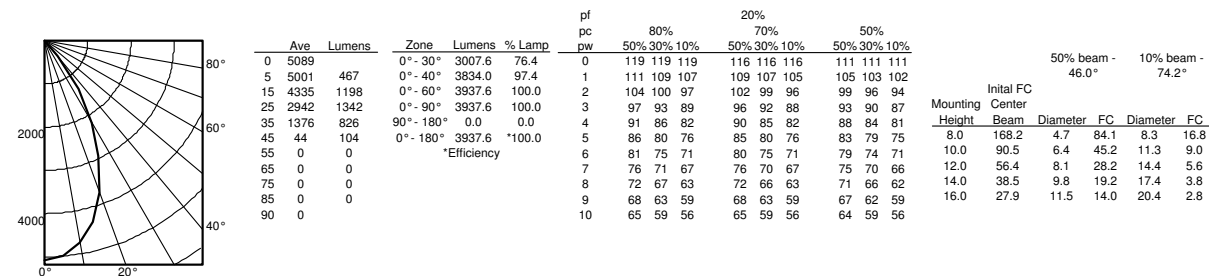
PHOTOMETRICS

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

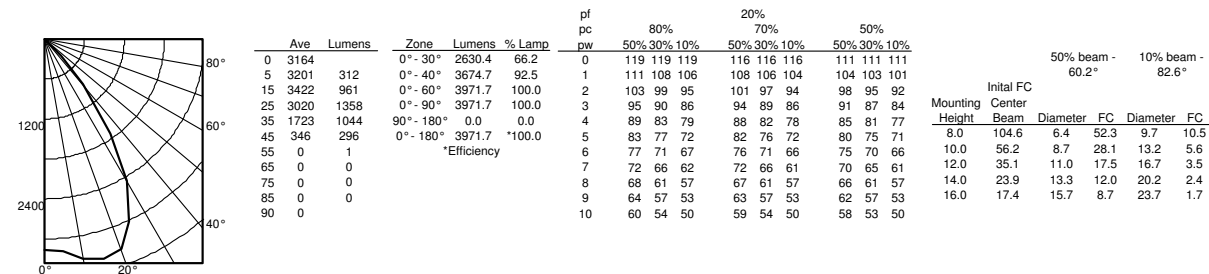
LRT6 45LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3948.6, LM/W = 95.4, Spacing Criteria: 0.4, test no. PR08170981, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3937.6, LM/W = 95.1, Spacing Criteria: 0.8, test no. PR08170982, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3971.7, LM/W = 95.9, Spacing Criteria: 1.2, test no. PR08170983, tested in accordance to IESNA LM-79.

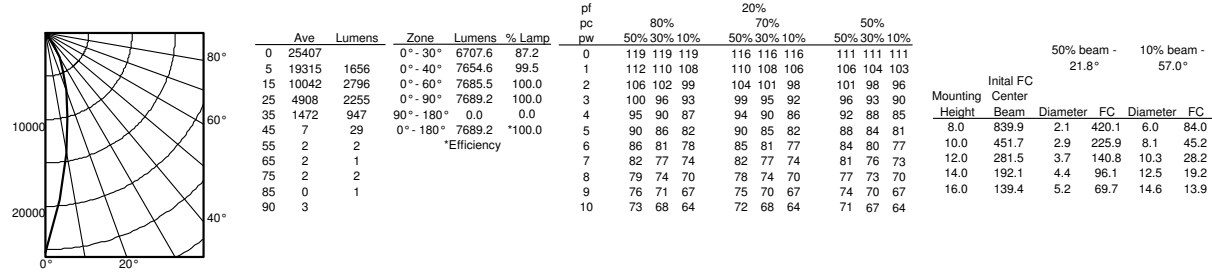


J7.1.18G4

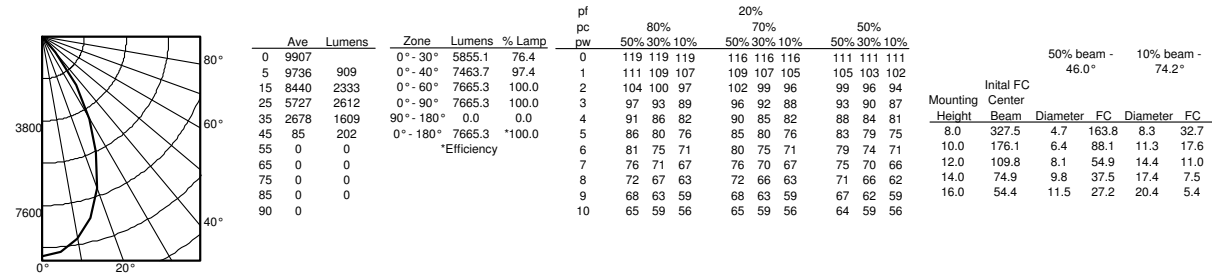
PHOTOMETRICS

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

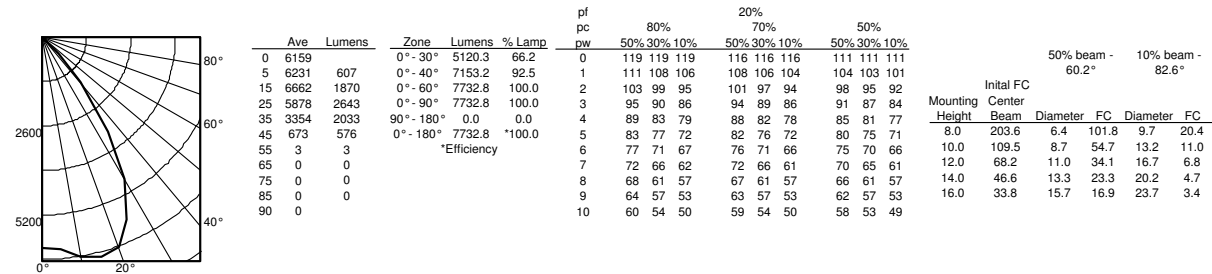
LRT6 90LM 35K + LRT6 HN CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7689.2, LM/W = 90.4, Spacing Criteria: 0.4, test no. PR08170991, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 HM CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7665.3, LM/W = 90.1, Spacing Criteria: 0.8, test no. PR08170992, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 HW CS, 3500K LEDs, input watts: 85.03, delivered lumens: 7732.8, LM/W = 90.9, Spacing Criteria: 1.2, test no. PR08170993, tested in accordance to IESNA LM-79.

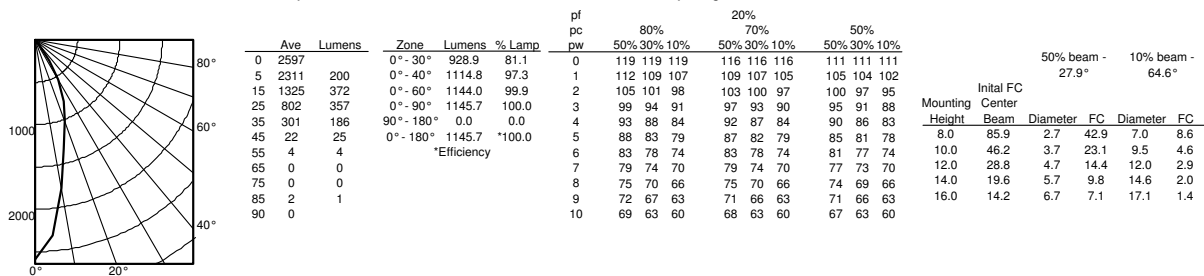


J7.1.18G4

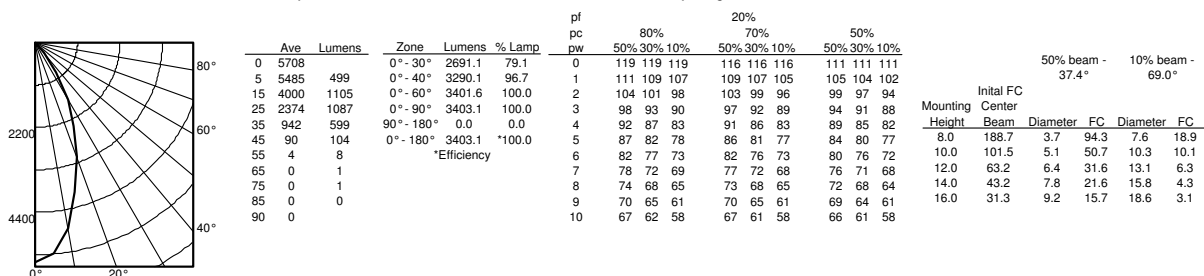
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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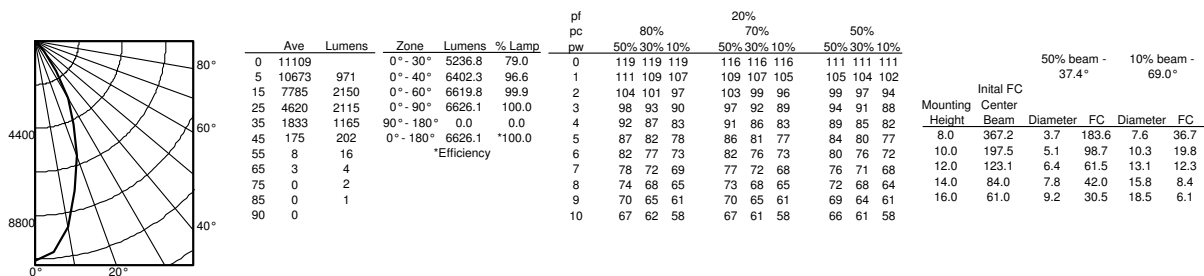
LRT6 13LM 35K + LRT6 P CS, 3500K LEDs, input watts: 14.70, delivered lumens: 1145.7, LM/W = 77.9, Spacing Criteria: 0.5, test no. PR08171097, tested in accordance to IESNA LM-79.



LRT6 45LM 35K + LRT6 P CS, 3500K LEDs, input watts: 41.41, delivered lumens: 3403.1, LM/W = 82.2, Spacing Criteria: 0.7, test no. PR08170984, tested in accordance to IESNA LM-79.



LRT6 90LM 35K + LRT6 P CS, 3500K LEDs, input watts: 85.03, delivered lumens: 6626.1, LM/W = 77.9, Spacing Criteria: 0.7, test no. PR08170994, tested in accordance to IESNA LM-79.



J7.1.18G4**PERFORMANCE DATA****LUMINAIRES SPACED 2' FROM WALL**

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
41	30	14	7	5	4	1'	70	68	70	53	45	53	47	27	47
89	59	25	11	7	6	2'	142	136	142	109	85	109	99	51	99
120	86	38	15	8	7	3'	200	196	200	147	125	147	132	77	132
88	78	45	20	10	7	4'	184	190	184	126	131	126	103	90	103
49	55	40	22	12	8	5'	141	154	141	91	109	91	67	83	67
33	39	32	22	14	9	6'	113	124	113	76	89	76	56	67	56
25	29	26	19	14	10	7'	94	102	94	64	73	64	48	55	48
20	24	21	16	13	10	8'	78	85	78	55	62	55	42	45	42
15	18	16	13	11	9	9'	61	67	61	44	51	44	33	36	33
10	13	12	10	9	6	10'	45	49	45	34	39	34	25	29	25

LUMINAIRES SPACED 3' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
17	14	10	7	5	5	1'	29	20	29	24	22	24	18	11	18
31	26	18	11	8	7	2'	52	51	52	42	38	42	33	19	33
48	39	25	14	10	8	3'	75	71	75	62	52	62	51	25	51
59	49	32	19	11	8	4'	94	91	94	76	67	76	62	35	62
56	49	35	22	14	10	5'	98	98	98	77	74	77	60	41	60
41	42	33	23	16	11	6'	87	93	87	66	73	66	47	44	47
28	32	29	23	16	12	7'	74	83	74	55	65	55	36	43	36
22	26	24	20	15	12	8'	64	74	64	48	57	48	31	37	31
17	20	19	16	13	11	9'	53	61	53	40	47	40	26	31	26
12	15	15	11	11	10	10'	43	46	43	32	37	32	20	24	20

LUMINAIRES SPACED 4' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 HWS CSS

Spread: Single Wall

Test #: PR08170995

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
10	9	8	6	5	5	1'	20	21	20	17	17	17	14	11	14
18	16	13	10	8	7	2'	36	37	36	30	29	30	23	18	23
24	21	16	13	10	8	3'	46	46	46	38	36	38	29	23	29
31	28	21	15	11	9	4'	60	60	60	48	47	48	37	28	37
37	33	25	19	13	10	5'	72	72	72	57	55	57	43	34	43
37	34	28	20	15	12	6'	78	79	78	61	60	61	45	39	45
34	32	27	21	16	12	7'	78	79	78	61	61	61	43	40	43
26	27	24	19	15	13	8'	69	75	69	53	58	53	36	38	36
18	20	20	17	14	12	9'	57	64	57	44	50	44	29	33	29
13	15	16	13	12	10	10'	46	50	46	35	40	35	23	29	23

*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.

Project 19-83110-0

Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number

LRT6 80LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Type

Notes

MIDDLE SCHOOL - 6" RETROFIT

J7.1.18G4**PERFORMANCE DATA****LUMINAIRES SPACED 2' FROM WALL**

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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
63	45	21	10	6	5	1'	107	105	107	81	67	81	72	41	72
97	65	29	13	8	7	2'	160	154	160	121	96	121	108	59	108
108	79	38	16	9	8	3'	189	186	189	139	121	139	122	77	122
83	67	40	21	11	8	4'	170	169	170	121	115	121	99	82	99
53	49	36	23	13	9	5'	138	143	138	97	97	97	74	74	74
34	37	29	22	15	10	6'	111	121	111	77	85	77	59	63	59
25	29	25	20	15	11	7'	95	103	95	66	75	66	51	55	51
20	24	21	17	14	12	8'	81	89	81	58	65	58	45	47	45
15	18	16	14	12	10	9'	65	71	65	47	55	47	36	38	36
10	13	12	11	10	7	10'	48	53	48	37	42	37	27	31	27

LUMINAIRES SPACED 3' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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
28	24	16	10	7	6	1'	47	47	47	39	35	39	30	17	30
39	33	22	14	10	8	2'	66	65	66	54	49	54	42	24	42
50	41	27	17	11	9	3'	82	79	82	67	58	67	54	29	54
55	47	32	20	13	9	4'	92	89	92	74	67	74	59	36	59
49	43	32	22	14	10	5'	91	91	91	72	68	72	54	39	54
41	37	29	22	16	12	6'	83	84	83	66	65	66	48	40	48
32	31	26	21	16	13	7'	75	78	75	59	60	59	41	38	41
23	25	22	19	15	13	8'	64	70	64	49	55	49	34	34	34
17	19	18	15	13	12	9'	52	60	52	40	47	40	28	29	28
12	14	14	11	11	10	10'	42	47	42	32	37	32	21	23	21

LUMINAIRES SPACED 4' FROM WALL

Catalog Number: LRT6 90LM 35K 120 G4 80CRI ZT; LRT6 WS CS Spread: Single Wall Test #: PR06151892P

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	15	12	9	7	6	1'	34	34	34	27	27	27	21	17	21
23	21	17	13	10	8	2'	48	49	48	39	38	39	30	24	30
28	25	19	15	11	9	3'	55	55	55	45	43	45	34	27	34
33	29	22	16	12	10	4'	64	64	64	52	50	52	40	31	40
35	32	25	19	14	11	5'	72	73	72	57	56	57	43	35	43
34	31	26	20	15	12	6'	73	74	73	58	57	58	42	37	42
31	28	24	19	16	13	7'	71	73	71	56	56	56	41	36	41
27	25	22	17	15	13	8'	66	70	66	52	53	52	38	34	38
21	20	19	15	13	12	9'	57	60	57	44	47	44	32	29	32
15	15	15	12	11	10	10'	45	46	45	35	37	35	25	25	25

*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.

J7.1.18G4

CONTROLS

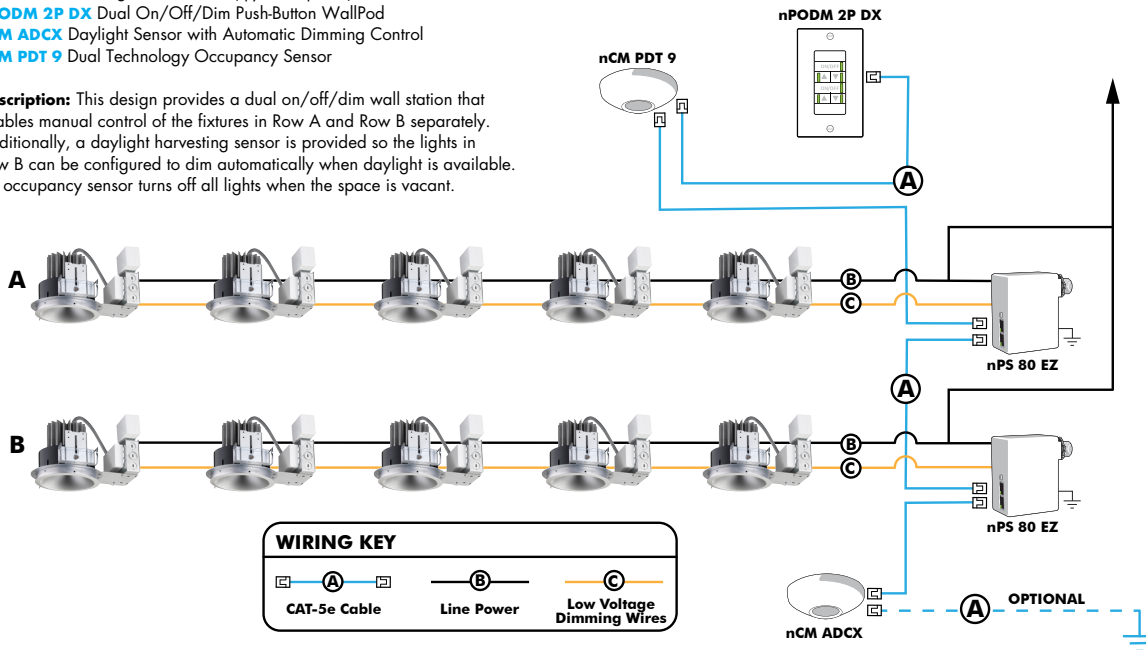
EXAMPLE

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

Project 19-83110-0
Brecksville-Broadview Heights City Schools
High School and Middle School Auditorium
Lighting

Catalog Number
LRT6 80LM 35K MVOLT G4 80CRI ZT NLTAIR2 P CS

Notes
MIDDLE SCHOOL - 6" RETROFIT

Type

J7.1.18G4

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 WH¹

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



Catalog Number:

Date:

Project:

OVERVIEW

The nLight® AIR is a wireless, battery-powered wall switch including toggle and/or raise lower features with optional multi-pole control. It provides a user with local control of a lighting zone. A true wire-free switch, these single gang decorator style devices have soft-click buttons and a green LED indicator for each button. The wall switches communicate with other nLight AIR devices via radio frequency (RF). A battery-powered wall switch can work with any nLight AIR enabled fixture or power pack to provide toggle switch operation. Wall switches with the DX option have the added ability to adjust the level of any nLight AIR controlled dimmable light fixture.

FEATURES

- Powered with three off-the-shelf AAA Lithium size batteries and rated for 10 years of normal use, minimizing battery replacement. (Battery replacement with alkaline batteries does not guarantee a 10-year run time.)
- Communicates with nLight® AIR devices via radio frequency (RF) in the 900MHz spectrum
- Soft-click push-button control
- Custom button engraving at no charge (WH, IV, AL GY units only)
- 1 or 2 on/off
- 1 or 2 raise/lower
- Batteries included and preinstalled... Just unbox and mount
- Wireless multi location dimming

Warranty

Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution.

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

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nLight®

*nLight® AIR
 rPODBA:
 Battery powered,
 Wall Switch*



Note: nLight® AIR devices are only compatible with other nLight AIR enabled devices; and is not cross compatible with other nLight product lines at this time.

nPODBA					Example: RPODB 2P DX WH G2				
Series	Poles & Scenes		Dimming Control		Color	Generation			
RPODBA	[blank]	Single Pole	[blank]	On/off Control	WH	White	G2 Generation 2 Compatibility		
	2P	Two Pole	DX	On/off + Raise/Lower Control	IV	Ivory			
	2S	2 Scene control (2 buttons)			AL	Light Almond			
	4S	4 Scene control (4 buttons)			BK	Black			
					GY	Gray			
					RD	Red			

Project 19-83110-0
 Brecksville-Broadview Heights City Schools
 High School and Middle School Auditorium
 Lighting

Catalog Number
 RPODBA 4S DX BK G2

Type

Notes
 TWO CONTROL LOCATIONS AT BOTH THE HIGH
 SCHOOL AND MIDDLE SCHOOL

ORDERING INFORMATION

ACCESSORIES

Series	# of Gangs	Color	Packaging
WS xPODA	1 GNG Single Gang	WH White IV Ivory GY Gray AL Almond BK Black RD Red VP Variety Pack	M5 5 Pack M6 ¹ 6 Pack

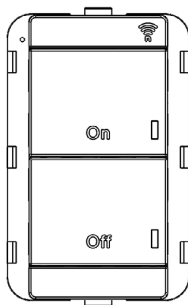
1. Available only for sample pack.

All rPODBA switches are shipped with wall plates, however, the following order information is available to acquire replacement wall plates.

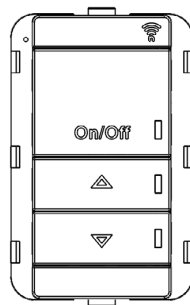
SPECIFICATIONS

Dimensions	2.74" H x 1.68" W x 1.63" D (6.96 cm x 4.27 cm x 4.14 cm)
Weight	4.25 oz
Mounting	Single Gang Switch Box or Low Voltage Ring
Color	White, Ivory, Lt. Almond, Gray, Red, Black
Operating Temperature	-40C to 60C (Indoor Use Only)
Relative Humidity	Standard: 20 to 75% non-condensing
Radio Frequency	Dual Radio: 900Mhz & 2.4GHz
RF Transmit Power	900Mhz: +20dBm; 2.4GHz: Variable
Wireless Standard	900Mhz: IEEE 802.15.4-based 2.4GHz: Version 4.0+ of the Bluetooth specification
Security	Application Data Encryption: AES-128 bit Mutual Entity Authentication Message Confidentiality Message Authentication and Replay Prevention Limited Anonymity
Regulatory Compliance	FCC, IC, RoHS
Battery Type	3 AAA Lithium (included)
Battery Life	10 years (with Lithium batteries)
Programming Tool	Clarity PRO Mobile App

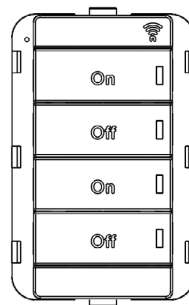
DEFAULT LABELING



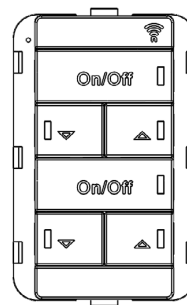
rPODBA



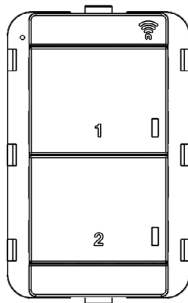
rPODBA DX



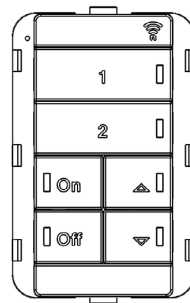
rPODBA 2P



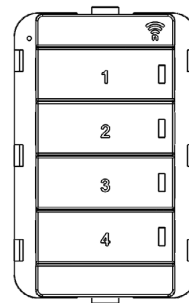
rPODBA 2P DX



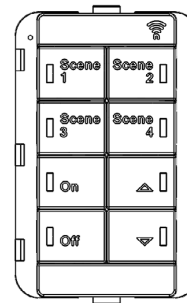
rPODBA 2S



rPODBA 2S DX



rPODBA 4S



rPODBA 4S DX

INSTALLATION OVERVIEW

Installation of the rPODBA wall switch is simple, straight forward, and quick! A truly "wire-free" installation with preinstalled batteries and embedded nLight AIR radio. Follow the simple steps below to perform the mechanical installation of the rPODBA Wall Switch.

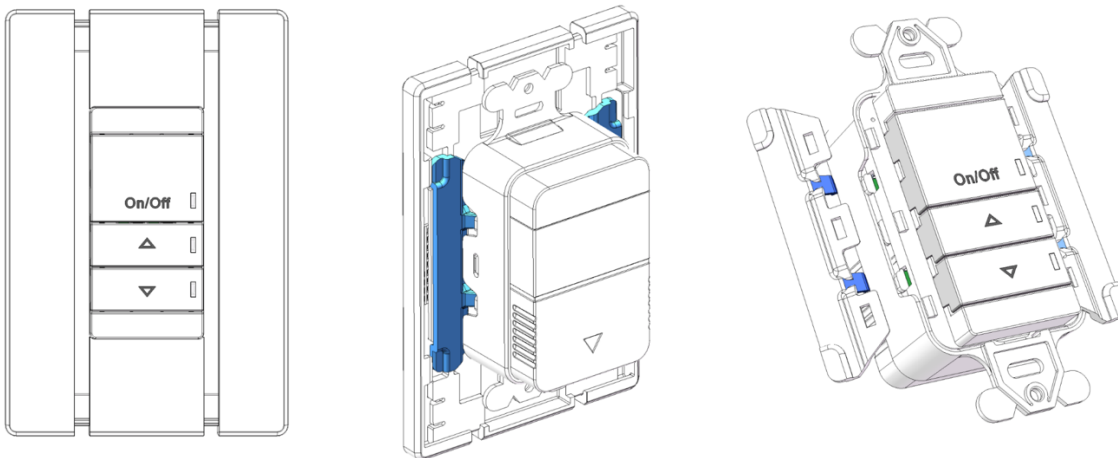
OUT-OF-THE-BOX DECORA WALL PLATE

- Remove the wall plate from the device by pulling the sides out to expand the wall plate and release it from the mounting flanges.
- Connect the unit to the gang box
 - The unit will connect to the gang box by screws, one at the top and one at the bottom
 - To ensure correct wall plate installation, drive the screws until the mounting flanges contact the wall surface. If the screws are overdriven, the mounting flanges will disengage, preventing wall plate installation. If this happens, reattach the mounting flange(s) and install to correct position. (The flanges may be reattached by inserting the two tabs in the side of the unit and pushing the part inward to engage the three snaps.)
- Reattach the wall plate
 - Expand the wall plate horizontally
 - Place the wall plate onto the unit
 - Contract the horizontally expanded wall plate onto the unit such that the side flange features seat inside the wall plate
- No wiring needed and

OFF-THE-SHELF DECORA WALL PLATE

When installing the unit with standard off-the-shelf decora wall plates, the following steps should be followed.

- Remove the Acuity wall plate from the device by pulling the sides out to expand the wall plate and releasing it from the mounting flanges.



- Unhook and remove the side flanges from the device
- Connect the unit to the gang box
 - The unit will connect to the gang box by screws, one at the top and one at the bottom
- Attach the wall plate