

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — New Construction.

Optional goof rings available for additional overlap trim coverage.

1/2"-1-1/2" ceiling thickness

25° ambient temperature

IC rated up to 1000lm

OPTICS — LEDs are binned to a 3-step MacAdam Ellipse. 55° cutoff

New construction frame approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

80CRI standard (90CRI optional)

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

ELECTRICAL — Adjustable lumen output with four module options. Fixed lumen options also available. MVOLT 120/277V 50/60Hz driver (0-10V & 120V Phase Dimming to 10% or 1% min dimming level) FCC CFR Title 47 Part 15 Class A for 277V. FCC CFR Title 47 Part 15 Class B for 120V.

LUMEN MAINTENANCE — L80 at 60,000 hours

LISTINGS — Certified to US and Canadian safety standards. Title 24 compliant (90CRI, up to 1000lm) Damp location standard (Wet Location (WL) optional, requires covered ceiling). Some configurations are ENERGY STAR® certified, please visit www.energystar.gov for specific products. TAA compliant. UFC (3-530-01) specification compliant for power factor and THD. GSA P100 6.2.4 compliant for power quality at full output; compliant up to 2000lm at fully dimmed output. Drivers are ROHS compliant

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PERFORMANCE DATA

LBR8 AR LSS MWD		80CRI							
Lumen Output	Wattage	30K/80CRI		35K/80CRI		40K/80CRI		50K/80CRI	
		Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
AL01 (500LM)	6	551	96	564	97	577	99	595	101
AL01 (750LM)	9	872	98	893	100	914	102	942	104
AL01 (1000LM)	13	1225	95	1253	96	1283	98	1323	101
AL02 (1000LM)	13	1298	105	1328	106	1360	108	1402	111
AL02 (1500LM)	19	1895	101	1939	103	1985	105	2047	107
AL02 (2000LM)	25	2387	96	2442	98	2500	99	2578	102
AL03 (2000LM)	25	2456	99	2513	101	2572	103	2652	105
AL03 (2500LM)	32	2965	94	3034	96	3106	98	3202	100
AL03 (3000LM)	38	3367	90	3445	91	3527	93	3636	95
AL04 (4000LM)	39	4008	104	4090	106	4172	108	4213	109
AL04 (4500LM)	44	4424	101	4514	103	4604	105	4649	106
AL04 (5000LM)	49	4811	98	4909	100	5007	102	5056	103

LBR8 MS MWD		80CRI							
Lumen Output	Wattage	30K/80CRI		35K/80CRI		40K/80CRI		50K/80CRI	
		Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
AL01 (500LM)	6	463	80	474	82	485	84	500	86
AL01 (750LM)	9	733	82	750	84	767	86	791	88
AL01 (1000LM)	13	1029	79	1053	81	1078	83	1111	86
AL02 (1000LM)	13	1091	87	1116	89	1142	91	1178	94
AL02 (1500LM)	19	1592	84	1629	86	1667	88	1719	91
AL02 (2000LM)	25	2005	80	2052	82	2100	84	2165	87
AL03 (2000LM)	25	2063	83	2111	85	2161	87	2228	89
AL03 (2500LM)	32	2490	79	2548	81	2609	83	2690	85
AL03 (3000LM)	38	2828	75	2894	77	2963	78	3055	81
AL04 (4000LM)	39	3367	86	3436	88	3504	90	3539	91
AL04 (4500LM)	44	3716	84	3792	86	3867	88	3905	89
AL04 (5000LM)	49	4041	82	4124	84	4206	86	4247	87

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical

Catalog Number
Notes
Type

LBR8 NCH

8" Open and Wallwash LED
New Construction Downlight



New Construction



Open Trim



Wallwash Trim



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details



LBR8 NCH



Design Select options indicated by this color background.

Module ordering

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LBR8 NCH ALO2 SWW1 AR LSS MWD MVOLT UGZ 90CRI

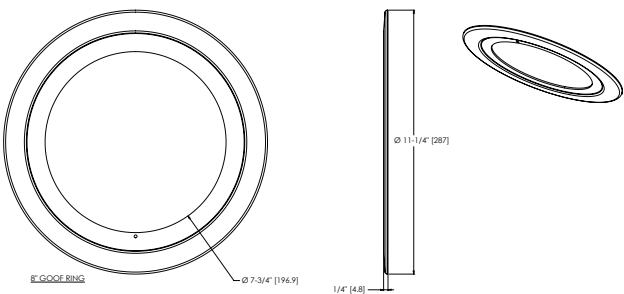
Series / Housing Style	Lumens ‡	Color temperature ‡	Reflector Color	Reflector Flange ‡	Reflector Finish
LBR8 NCH 8" New Construction LBR8WW NCH ‡ 8" New Construction Wall Wash	Adjustable Lumen Output ALO1 500/750/1000lm ALO2 1000/1500/2000lm ALO3 2000/2500/3000lm ALO4 4000/4500/5000lm	Switchable CCT SWW1 3000K-3500K-4000K-5000K Fixed CCT 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	AR Clear BR ‡ Black painted MS ‡ Metallic Silver WR ‡ White painted TCPC ‡ Custom painted trim TRALTBD ‡ RAL painted trim	(blank) Self-flanged TRW White painted flange TRBL Black painted flange FCPC Custom painted flange only FRALTBD RAL painted flange only	LSS Semi-specular

Distribution	Voltage	Driver	Emergency ‡	Control Input ‡	Options
MWD Medium wide (1.0 s/mh) WD Wide (1.2s/mh) WW ‡ Wallwash	MVOLT 120 277 347	UGZ Universal dimming to 10% 0-10V; line voltage dimming (120V) UGZ1 Universal dimming to 1% 0-10V; line voltage dimming (120V) DALI ‡ DALI dimming to 1% D1 Minimum dimming 1% driver for use with JOT	(blank) No Emergency Needed ELR Batteryback (10W constant power) Non-T20 Compliant remote test switch ETS Iota Emergency Transfer System E10WCP Batteryback (10W constant power) T20 Compliant integral test switch E10WCPR Batteryback (10W constant power) T20 Compliant remote test switch E10WRSTAR Emergency battery pack, 10W with remote test switch and Iota STAR technology	(blank) No Control Input Needed JOT Wireless room control with "Just One Touch" pairing NLIGHT Embedded wired controls from nLight NLIGHTER Embedded wired controls from nLight with UL924 listed emergency operation NLTAIR2 nLight® Air enabled NLTAIREM2 nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection.	90CRI High CRI (90+) AT ‡ Airtight EC1 ‡ Extended Conduit (18") EC6 ‡ Extended Conduit (6ft) WL ‡ Wet Location (IP55) QDS ‡ Quick disconnect plugs CP ‡ Chicago Plenum

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart below.

‡ Option Value Ordering Restrictions	
Options	Restriction
Adjustable Lumens/CCT	Adjustable Lumen Output and Switchable CCT must be specified together (for Example: ALO1 SWW1)
Fixed Lumens/CCT	Fixed Lumen Output and Fixed CCT must be specified together (for Example: 10LM 30K)
WW	Not available with WL, EL, E10WCP.
MS, WR, BR	Not available with LSS reflector finish
WR	Not available with TRW
BR	Not available with TRBL
TRALTBD, FRALTBD	RALTBD for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Not available with TCPC or FCPC.
TCPC, FCPC	CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details. Not available with TRAL or FRAL.
TRW, TRBL	Available with MS and AR reflectors only.
LSS	Not available with BR or WR or MS
347V	Not available with CP, QDS, ELR, E10WCP, E10WCPR, NLIGHT, NLIGHTER, NLTAIR2, or NLTAIREM2
DALI	Not available with fixed lumens or CCT. Max 4500 lumens.
E10WCPR	Not available with EC1, EC6, AT, QDS, CP, 347V, NLIGHTER, NLTAIREM2, WL, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/JOT.
E10WCP	Not available with WW, EC1, EC6, AT, QDS, CP, 347V, NLIGHTER, NLTAIREM2, WL, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/JOT.
E10WSTAR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NLIGHTER, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/JOT. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch
ELR	Not available EC1, EC6, QDS, CP, 347V, NLIGHTER, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/JOT.
ETS	Not available with, QDS, ELR, E10WCP, E10WCPR, 347V, JOT, NLIGHT, NLIGHTER, NLTAIR2, NLTAIREM2, DALI, or D1 driver
JOT	Only available with D1 driver. Not available with CP, NLIGHT, NLIGHTER, NLTAIR2, NLTAIREM2, UGZ, or DALI drivers. Max 4500 lumens. Fixed lumens and CCT only. Not available with 2000-4500lm in conjunction with emergency batterybacks.
NLIGHT	Must specify UGZ1. Not available with CP, QDS, JOT, ETS, UGZ, DALI, or D1 drivers. Not available with 347V.
NLIGHTER	Must specify UGZ1. Not available with CP, QDS, ELR, E10WCP, E10WCPR, DALI, or D1 drivers. Not available with 347V.
NLTAIR2	Must specify UGZ1. Not available with CP, QDS, JOT, ETS, UGZ, DALI, or D1 drivers. See UL 924 Sequence of Operation table. Non-emergency luminaires with this option can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options. Not available with 347V.
NLTAIREM2	Must specify UGZ1. Not available with CP, QDS, JOT, ETS, ELR, E10WCP, E10WCPR, DALI, D1 drivers. See UL 924 Sequence of Operation table.
WL	Not available with WW, All CP is wet location, except WW (Damp). IP55 rated. Not available with E10WCP
QDS	Must be specified for use with LBR_PFWQDS. Not Available with CP, emergency options, or 347V.
EC1, EC6	Not Available with CP, QDS, ELR, E10WCP, or E10WCPR.
AT	Standard for CP and IP55, not available with WW. Not available with E10WCP
CP	Not available with, QDS, EC1, EC6, ELR, E10WCPR, 347V, JOT, NLTAIR2, NLTAIREM2, D1 drivers. For new construction applications, must be specified with LBR_PFWCP.

Accessories: Order as separate catalog number. Shipped separately.	
LBRGR910 ** U	Goof ring 9-3/4" to 10-3/4" for LBR8 (** specify BR or WR)
LBRCPGR910 ** U	Chicago Plenum Goof ring 9-3/4" to 10-3/4" for LBR8 (** specify BR or WR)
LBR08 AR LSS TRIM	8" clear, semi-specular reflector
LBR08 ** TRIM	8" reflector (** specify MS, WR, BR)
LBRW8 AR LSS TRIM	8" clear, semi-specular wallwash
LBRW8 ** TRIM	8" wallwash (** specify MS, WR, BR)
LBR SDT 347V 75W ASM	Field installed 347V Step-down transformer
SCA8	Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D.



Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A+	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A+	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic
ILBHI CP10 HE SD A+	10W	90	1200	347-480V AC Input, Title 20, Self Diagnostic
ILBHI CP15 HE SD A+	15W	90	1800	347-480V AC Input, Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

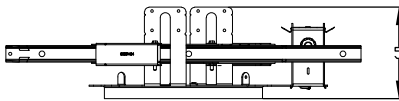
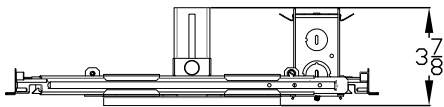
LBR8 NCH

PLENUM DEPTH TABLE				
Aperture Size/Output	Plenum Depth*	IC	Non-IC	Non-IC Marked Spacing
LBR8 500-1000 Lumen	5.81	X		
LBR8 1000-2000 Lumen	5.81		X	
LBR8 2000-3000 Lumen	-			24x24x9
LBR8 4000-5000 Lumen	-			24x24x9

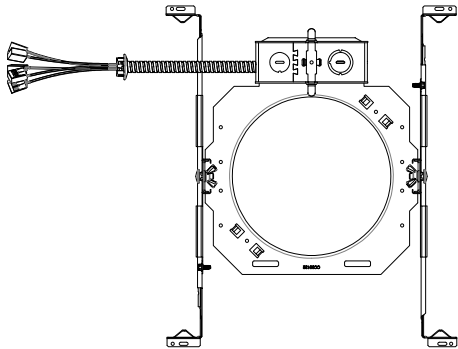
*Above unfinished 1/2" ceiling plane

CEILING COVERAGE TABLE								
Series		Aperture	Trim Flange OD	Min ceiling opening	Ceiling Thickness	Max ceiling opening	Max Ceiling Opening with Goof Ring	Overall Goof Ring OD
LBR8	ROUND	7-1/6"	9-3/16"	7-3/4"	1/2"	8-7/8"	9-1/4"	11-1/4"
LBR8					1-1/2"		9-5/8"	

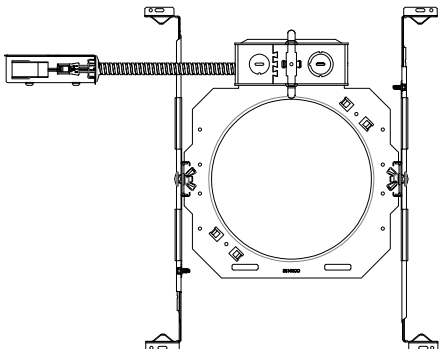
* All dimensions are inches (millimeters) unless otherwise noted.



Aperture Size	Ceiling Cutout
8 In	8-3/4"



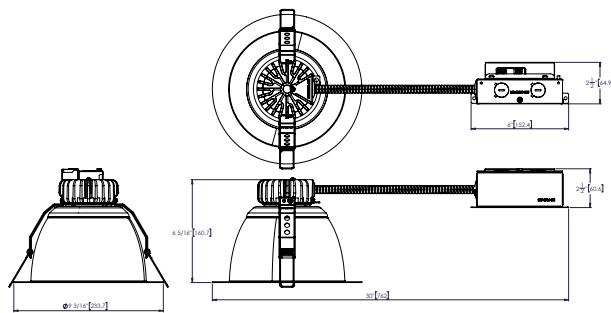
8" New Construction Frame, 18" Conduit



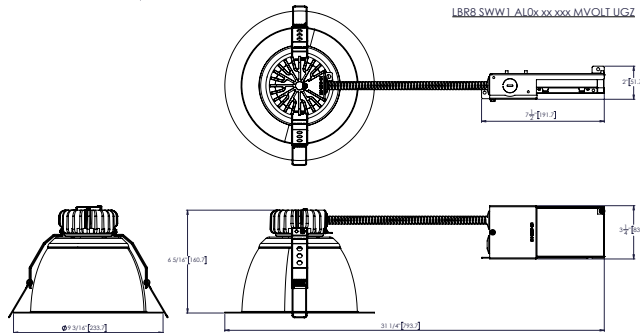
8" New Construction Frame, QDS

LBR8 NCH

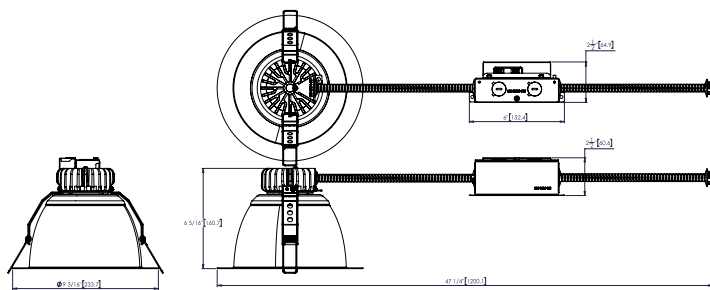
* All dimensions are inches (millimeters) unless otherwise noted.



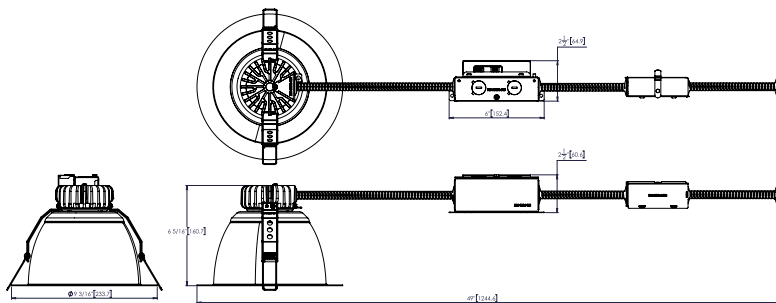
LBR8 SWW1 AL0x xx xxx MVOLT UGZ



LBR8 SWW1 AL03 xx xxx MVOLT DALI



LBR8 SWW1 AL0x xx xxx MVOLT UGZ EC1

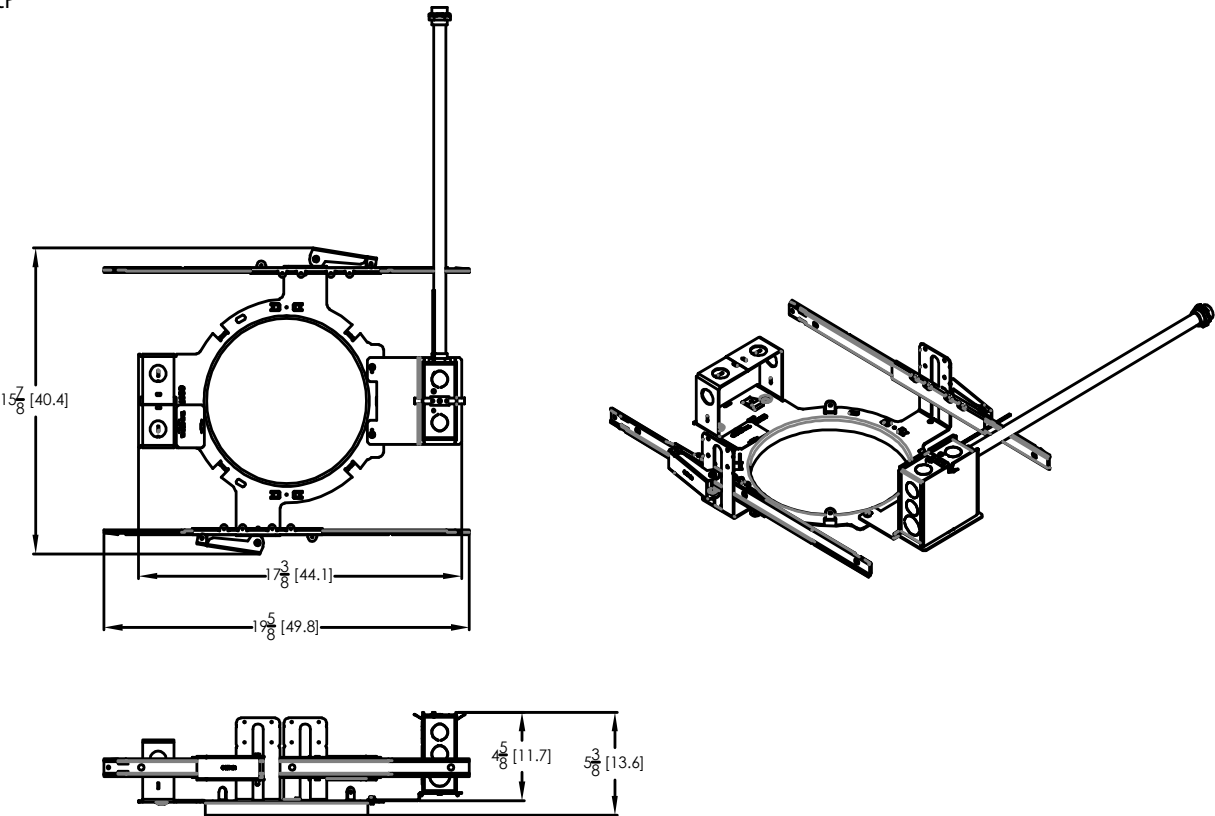


LBR8 SWW1 AL0x xx xxx MVOLT UGZ QDS

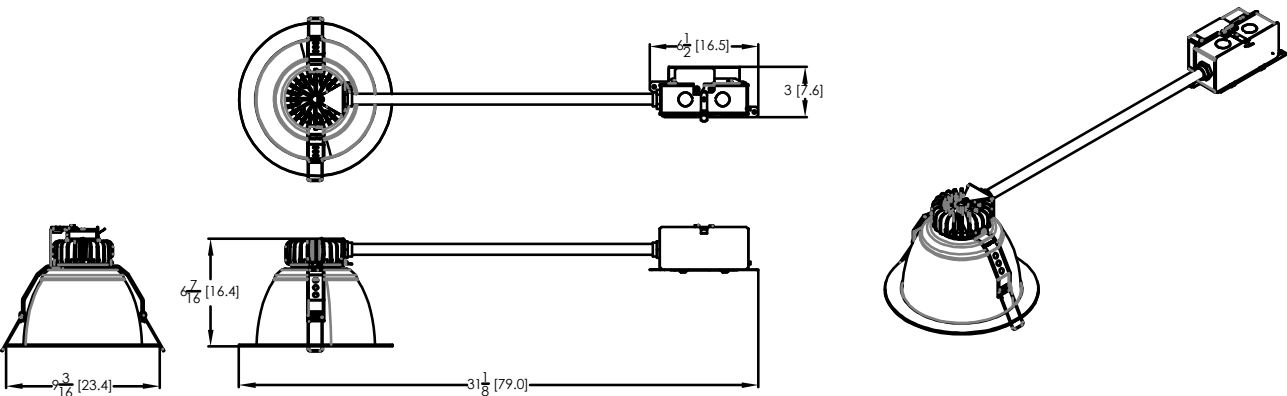
LBR8 NCH

* All dimensions are inches (millimeters) unless otherwise noted.

LBR8PFWCP



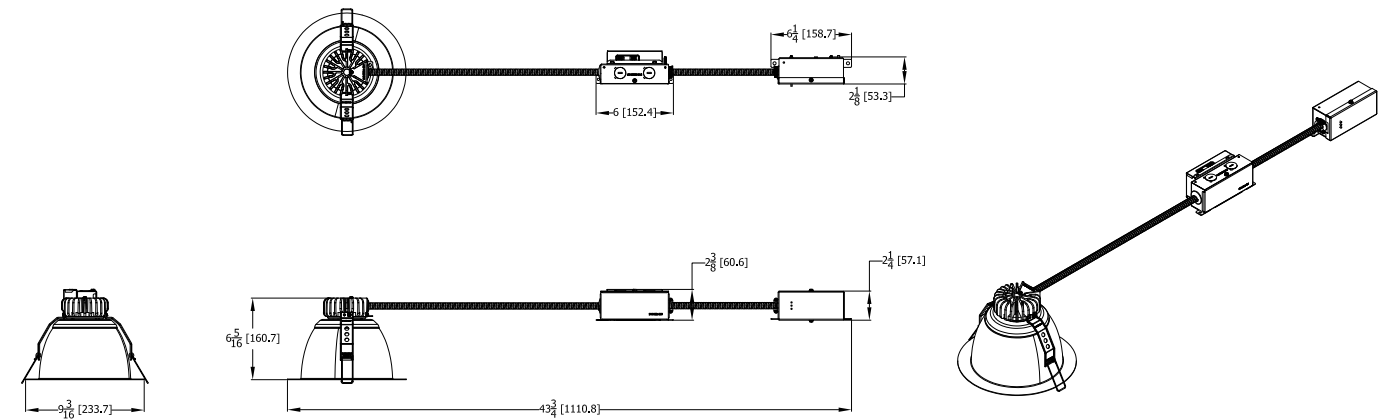
LBR8 SWW1 ALOx MVOLT UGZ CP



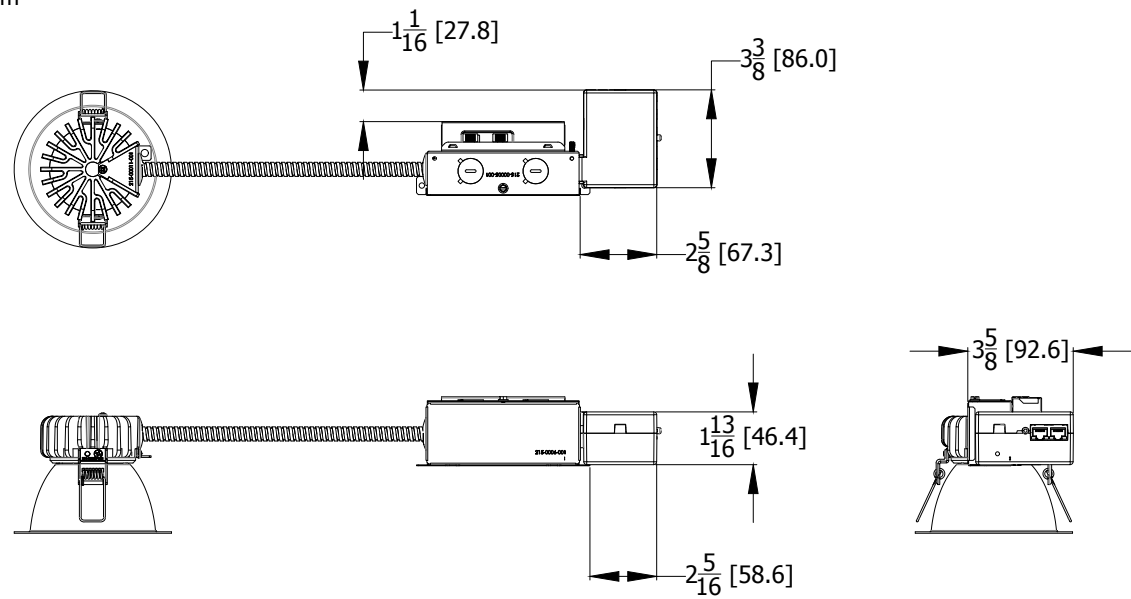
LBR8 NCH

* All dimensions are inches (millimeters) unless otherwise noted.

LBR8 ALOx SWW1 xx xxx 347 UGZ



LBRx nLIGHT



PHOTOMETRY

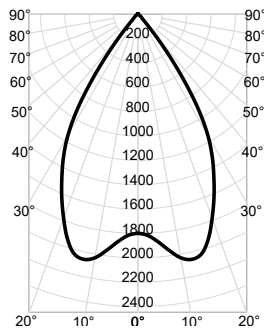
Distribution Curve

Distribution Data

Output Data

Illuminance Data at 30" Above Floor for a Single Luminaire

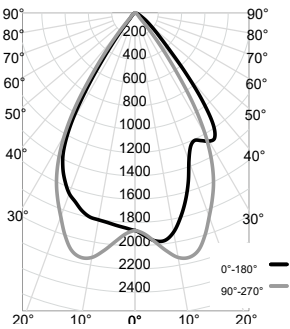
LBR8 SWW1 AL02 AR LSS MWD MVOLT UGZ, Input Watts: 18.1, Delivered Lumens: 1883, LPW: 104.0, S/MH: 1.05, Test No: 20-518-04



CP Summary		Zonal Lumen Summary			Cone of Light			Luminance (cd/sq.m)	
					Mounting Height	Initial FC Center Beam	Beam Diameter		
	0°	Zone	Lumens	% Fixture				Average	Luminance
0°	1,799	0° - 30°	1,416	75%	6.0	50.0	7.3	0°	68,479
5°	1,874	0° - 40°	1,812	96%	8.0	28.1	9.7	45°	2,703
15°	2,032	0° - 60°	1,878	100%	10.0	18.0	12.2	55°	1,062
25°	1,476	0° - 90°	1,883	100%	12.0	12.5	14.6	65°	288
35°	644	90° - 180°	0	0%	14.0	9.2	17.0	75°	191
45°	50	0° - 180°	1,883	100%				85°	131
55°	16				Beam Angle: 62.6°				
65°	3				Field Angle: 79.4°				
75°	1								
85°	0								
90°	0								

Beam Angle: 62.6°
Field Angle: 79.4°

LBR8WW SWW1 AL02 AR LSS WW, Input Watts: 18.7, Delivered Lumens: 1929, LPW: 103.2, S/MH: 0.88, Test No: 20-518-A2



CP Summary			Zonal Lumen Summary			Luminance (cd/sq.m)	
					Average Luminance		
0°	90°	Zone	Lumens	% Fixture	0°	76,135	
0°	1,869	0° - 30°	1,369	71%	45°	18,909	
5°	1,965	0° - 40°	1,794	93%	55°	7,969	
15°	1,672	0° - 60°	1,913	99%	65°	3,441	
25°	1,210	0° - 90°	1,929	100%	75°	1,511	
35°	1,170	90° - 180°	0	0%	85°	748	
45°	328						
55°	112						
65°	36						
75°	10						
85°	2						
90°	0						

LUMEN OUTPUT MULTIPLIERS - CCT			
3000K	3500K	4000K	5000K
0.98	1.0	1.01	1.03

LUMEN OUTPUT MULTIPLIERS - FINISH	
Clear Semi-spec (AR LSS)	1.0
Metallic Silver (MS)	0.84
White Painted (WR)	1.03
Black Painted (BR)	0.60

LUMEN OUTPUT MULTIPLIERS - CRI	
80	1.0
90	0.874

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at [Designlight Consortium](https://www.designlightconsortium.com).

DIMMER COMPATIBILITY

Not compatible with DALI or DMX dimmers. For specific compatible dimmers see below.

LINE VOLTAGE DIMMING:						
Type	Forward Phase	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (3000-5000lm)	Comment
MLV	Sensorswitch WPD	YES	YES	YES	YES	
MLV	Sensorswitch CMR PDT10 ADC VLP	YES	YES	YES	YES	
MLV	Synergy ISD 600LV	YES, 2x *	YES	YES	YES	* min 2 fixtures
INC	Synergy ISD 600 I	YES, 2x *	YES	YES	YES	* min 2 fixtures
MLV	Lutron Glyder GLV-600	YES	YES	YES	YES	
INC	Leviton SureSlide 6633	YES	YES	YES	YES	
MLV	Lutron Diva DVLV-600P	YES	YES	YES	YES	
MLV	Lutron Skylark SLV-600P	YES	YES	YES	YES	
INC	Lutron RadioRA 2 10ND	YES	YES	YES	YES	
MLV	Leviton SureSlide 6613-PLW	YES	YES	YES	YES	
INC	Lutron Diva DVCL-153P	YES	YES	YES	YES	
MLV	Leviton IPM06	YES, 2x *	YES	YES	YES	* min 2 fixtures
INC	Leviton IPI06	YES, 2x *	YES	YES	YES	* min 2 fixtures
INC	Control4 C4-FPD 120	YES	YES	YES	YES	
Type	Reverse Phase Dimmer Bank	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (3000-5000lm)	
ELV	Lutron Nova T NTELV-600	YES	YES	YES	YES	
ELV	Lutron Diva DVELV 600P	YES	YES	YES	YES	
ELV	Lutron Maestro MAELV 600	YES	YES	YES	YES	
ELV	Leviton Vizia VPE06-1LX	YES	YES	YES	YES	
ELV	Leviton Illumatech IPE04	YES	YES	YES	YES	
ELV	Control4 C4-APD 120 REVERSE PHASE	YES	YES	YES	YES	
Type	Miscellaneous Dimmers	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (3000-5000lm)	
PHA	Lutron RadioRA2 RRD-6NA	YES	YES	YES	YES	
PHA	Lutron Maestro PRO LED+ RRD-PRO	YES	YES	YES	YES	
Type	Control Systems	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (3000-5000lm)	
MLV	Lutron LP-RPM-4U	YES	YES	YES	YES	
PHA	Lutron LP-RPM-4A	YES	YES	YES	YES	
MLV	Lutron GRAPHIC EYE QSGRJ-3P	YES	YES	YES	YES	
PHA	Lutron PA Power Module PHPM-PA-120	YES	YES	YES	YES	
ELV	Lutron nLight nSP5PCD ELV	YES	YES	YES	YES	

DIMMER COMPATIBILITY

Not compatible with DALI or DMX dimmers. For specific compatible dimmers see below.

0-10V DIMMING:							
Manufacturer	System Type	Description	P/N	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (3000-5000lm)
ACUITY	Wall Box	sensorswitch, dimming switch with multi-way option	SPODMRA	YES	YES	YES	YES
ACUITY	Wall Box	sensorswitch, wall switch sensor, occupancy controlled dimming	WSX D WH	YES	YES	YES	YES
ACUITY	Control System	nLight	nPP16D	YES	YES	YES	YES
ACUITY	Control System	nLight	nPS 80 EZ	YES	YES	YES	YES
ACUITY	Control System	nLight Air	rPP20 D	YES	YES	YES	YES
Lutron	Other	0-10V (sink or source) PowPak wireless dimming module	RMJ-5T-DV-B	YES	YES	YES	YES
Wattstopper	Control System	Digital single relay room controller (0-10V)	LMRC-211	YES	YES	YES	YES
Crestron	Control System	DIN Rail 0-10V fluorescent dimmer, 4 feeds, 4 channels (Green Light System)	DIN-4DIMFLV4	YES	YES	YES	YES
Lutron	Other	Grafik Eye 0-10V adapter	GRX-TVI	YES	YES	YES	YES
Leviton	Wall Box	Illumatech 0-10V	IP710-DLX	YES	YES	YES	YES
Lutron	Control System	Mounted in the Homeworks QS panel - 0-10V dimmer (sink or source)	GRX-TVM2	YES	YES	YES	YES
Lutron	Wall Box	Nova 0-10V wallbox dimmer (use with PP-120-H line voltage relay)	NTFTV	YES	YES	YES	YES
Lutron	Wall Box	Nova 0-10V wallbox dimmer (use with PP-120-H line voltage relay)	NTSTV-DV	YES	YES	YES	YES
Lutron	Wall Box	Nova T	NFTV	YES	YES	YES	YES
Leviton	Wall Box	Renior II 0-10V	AWSMG-7DW	YES	YES	YES	YES

ADDITIONAL DATA



The Sensor Switch JOT enabled solution offers a wireless, app-free approach to single room lighting control. JOT enabled products use Bluetooth® Low Energy (BLE) technology to enable wireless dimming and switching.

Diagram



LBR8 Series



Sensor Switch
WSXA JOT

- 1. **Power:** Install JOT enabled fixtures and controls as instructed.
- 2. **Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- 3. **Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

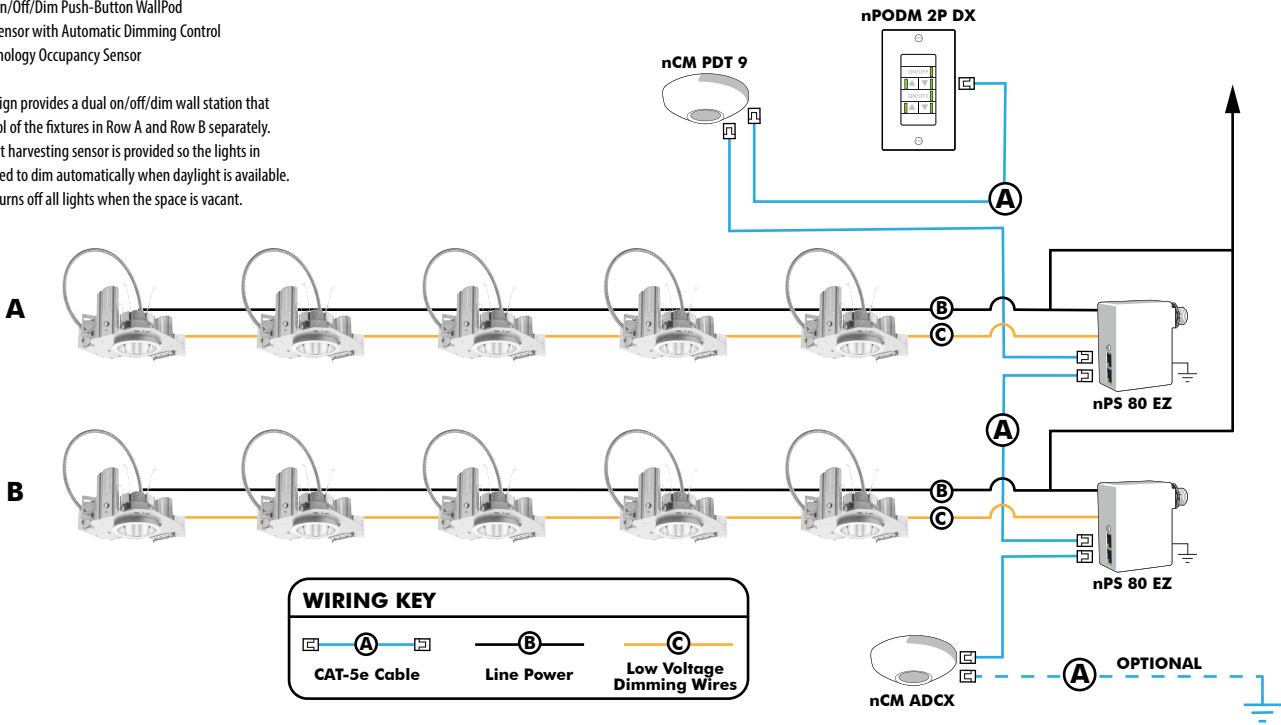
COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSC TV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

LBR8 NCH

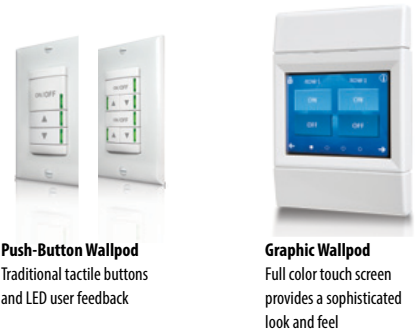
EXAMPLE
Group Fixture Control*
*Appiication diagram applies for fixtures with eldoLED drivers only.

- 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.



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

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

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

Notes

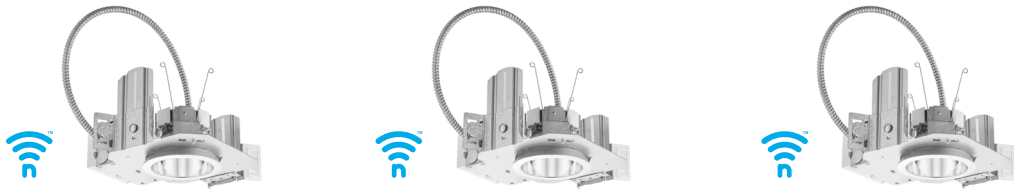
1 Can only be ordered with the RES7Z zone control sensor version.

UL924 Sequence of Operation

- The below information applies to all nLight AIR devices with an EM option.
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
 - Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
 - Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

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 Lithonia LDN 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

