

DIGITAL NAVIGATION

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FEATURES & SPECIFICATIONS

INTENDED USE — The MLX is a linear low bay lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the MLX can address virtually any indoor lighting need. The MLX is offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for large commercial spaces, data centers, retail, grocery, and warehousing.

CONSTRUCTION — Channel and Reflector are formed from code-gauge cold-rolled steel. Channel and lens endcaps are injection molded plastic.

Finish: Paint options include high gloss white (WH), matte black (MB) and natural aluminum (DNA). Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens. Provides a choice of different uplight with each lens type and medium lambertian distribution. Also offered in our AD2 (Aisle Distribution Optic) clear lens.

Please check the IES file for specific uplight value or look at page 12.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ordering information on page 13.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 9 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. Color Variation within 3-step MacAdam ellipse (3SDCM).

L70>140,000 hours at 25°C.

LEDs provide nominal 80CRI, 90CRI, or 90CRI High R9.

Lumen output up to 3,000 lumens per foot

INSTALLATION — Fixture may be suspend mounted with air craft cables and chain hangers or surface mounted with tong hanger.

LISTINGS — CSA certified to US and Canadian safety standards. Optional High Ambient (HA) ranging to 50°C available on certain lumen packages (See ambient temperature chart for additional information).

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.

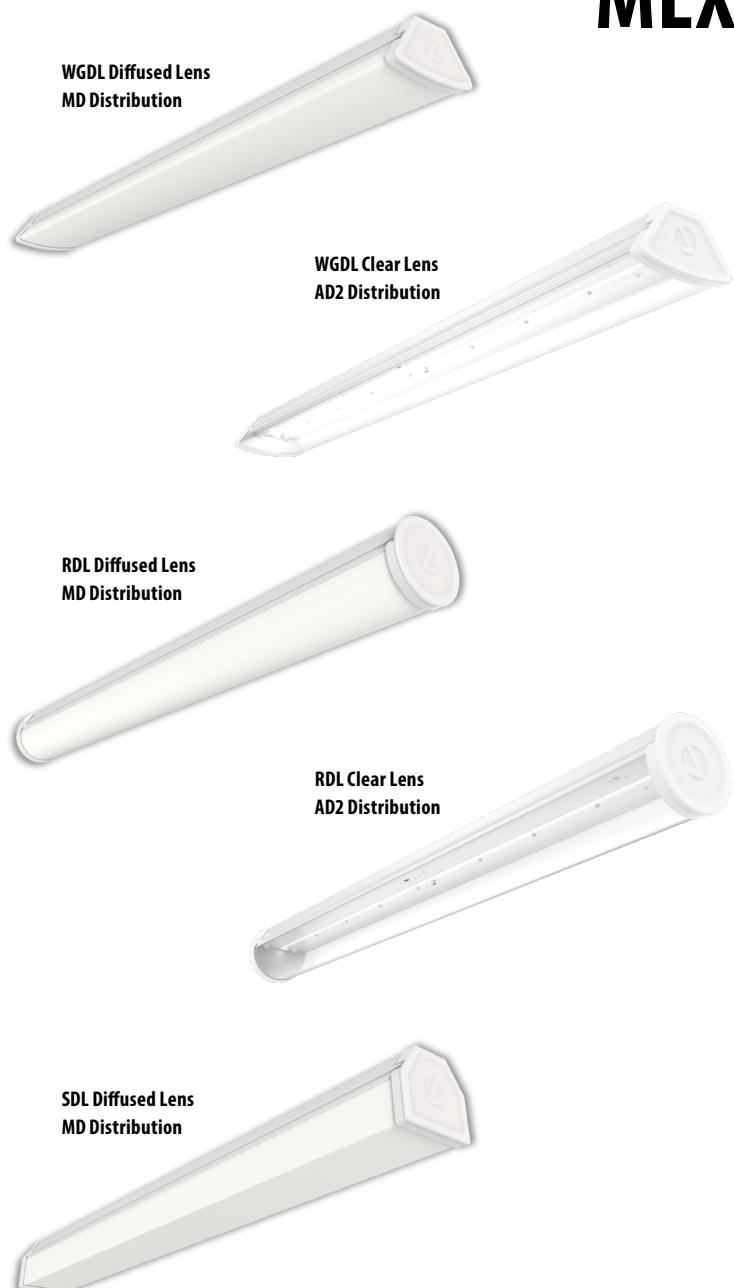
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

LED Linear Low Bay

MLX



ORDERING INFORMATION

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

Example: MLX L8 15000LMHE 80CRI 40K WGDL MD MIN10 ZT MVOLT WH

Series	Length	Lumens Output		Coloring rendering index		Color temperature	Lens		Distribution
MLX LED linear low bay	L4 4'	Standard efficiency	High efficiency	80CRI 90CRI 90CRIR9	80 CRI	30K	3000K	WGDL	Medium Lambertian distribution, diffuse lens
		4000LM 4,000 lumens	4000LMHE 4,000 lumens		90 CRI ‡	35K	3500K	RDL	Round Lens
		5000LM 5,000 Lumens	5000LMHE 5,000 Lumens		90CRIR9 ‡	40K	4000K	SDL	Square Lens
		7500LM 7,500 Lumens	7500LMHE 7,500 Lumens			50K	5000K		
		10000LM 10,000 Lumens	10000LMHE 10,000 Lumens						
	L8 8'	12000LM 12,000 Lumens	12000LMHE 12,000 Lumens						
		8000LM 8,000 Lumens	8000LMHE 8,000 Lumens						
		10000LM 10,000 Lumens	10000LMHE 10,000 Lumens						
		15000LM 15,000 Luemns	15000LMHE 15,000 Luemns						
		20000LM 20,000 Lumens	20000LMHE 20,000 Lumens						
		24000LM 24,000 Lumens ‡	24000LMHE 24,000 Lumens ‡						

Minimum Dimming Level	Dimming	Voltage	Emergency Option		Finish
MIN10 Dims to 10%	ZT Generic 0-10V, dims to 10% ‡	MVOLT 120-277V	(blank)	No Emergency	WH Matte white
MIN1 Dims to 1% ‡	EZT eldoLED 0-10V, dims to 1% ‡	347 347V	E10W	Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS, CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch (LINK) ‡	DNA Natural Aluminum
	EZC eldoLED® Driver compatible with Controls ‡	120/277 120/277V ‡		E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ‡	MB Matte Black
	ZC Generic 0-10V, with controls ‡				

Options					
Control Input		Sensors	Other Options		
(blank)	No control Input	(blank)	No sensor, Control Input function only	HA High ambient, for use in ambient temperatures up to (50°C) ‡	
NLTAIR2	nLight AIR Generation 2 (wireless) enabled	(blank)	No sensor, Control Input function only	SPD Surge protection device, provides up to 6kV protection	
NLTAIREM2	nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection	APIR APDT VPIR VAPIR	Passive Infrared Occupancy sensor with auto-dimming photocell Occupancy sensor dual tech (passive infrared & micromicronics) and auto dimming photocell Vertex passive Infrared OCC sensor with on/off photocell Vertex passive Infrared Occupancy sensor with auto-dimming photocell	PLR Plug-in wiring, see Page 13 for ordering information ‡	
NLIGHT	nLight enabled	(blank)	No sensor, Control Input function only	PLR1G Plug-in wiring, single circuit, Ground ‡	
NLIGHTER	nLight enabled, for use with generator supply EM power	PIR PDT	Occ sensing with passive infrared - on/off functionality Occ sensor dual tech (passive infrared & micromicronics)	PLR1LVG Plug-in wiring, single circuit, low-voltage dimming, Ground ‡	
NLIGHTLM	nLight enabled with lumen management	APIR APDT	Passive Infrared Occupancy sensor with auto-dimming photocell Occ sensor dual tech (passive infrared & micromicronics) and auto dimming photocell	CRM Continuous row middle; both ends are open for row wiring. No end caps. Must order MLXCRJ joiner bracket ‡	
SSE	Sensor Switch Embedded	APIR APDT VPIR VAPIR	Passive Infrared Occupancy sensor with auto-dimming photocell Occ sensor dual tech (passive infrared & micromicronics) and auto dimming photocell Vertex passive Infrared OCC sensor with on/off photocell Vertex passive Infrared Occupancy sensor with auto-dimming photocell	CRE Continuous row end; one end is open for row wiring, one end with decorative end cap. Must order MLXCRJ joiner bracket ‡	
SSAIR	Sensor Switch Air	(blank) VAPIR	No sensor, Control Input function only Vertex passive Infrared Occupancy sensor with auto-dimming photocell	NLG No Lithonia Logo	
				IP5X Gasketing to meet IP5X rating	
				RRL RELOC®-ready luminaire. See page 12 for ordering information	
				Cord Sets: ‡	
				CS1W 6' Straight blade plug, 120V ‡	
				CS3W NEMA twist-lock plug, 120V ‡	
				CS7W Straight blade plug, 277V ‡	
				CS11W NEMA twist-lock plug, 277V ‡	
				CS25W NEMA twist-lock plug, 347V ‡	
				CS93W 600V SEOW white cord, no plug (no voltage required) ‡	

Accessories: Order as separate catalog number.					
<u>Mounting:</u>					
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair) ‡	THMLX WH	Tong hanger, white (1 pair)		
ZAC120	One adjustable aircraft cable with canopy 120", white	THMLX MB	Tong hanger, black (1 pair)		
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120", white	THMLX DNA	Tong hanger, natural aluminum (1 pair)		
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120", white	HC36 M12	Hanger chain, 36" (1 pair) ‡		
ZAC240	One adjustable aircraft cable with canopy 240", white	TGRDBKT	TGRID mounting kit * earthquake resistant		
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240", white	MLXCRJ WH	Continuous row joiner bracket White		
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240", white	MLXCRJ MB	Continuous row joiner bracket Black		
		MLXCRJ DNA	Continuous row joiner bracket natural aluminum		

‡ Option Value Ordering Restrictions

Option value	Restriction
12000LM and 24000LM	Not available with EZT, VAPIR, VPIR or SSAIR. If ordering NLTAIR2, NLIGHT or SSE must choose ZC.
90CRIR9	Only available with 35K and 40K Color Temperature.
AD2	Optic is not available with 90CRIR9 or SDL.
MIN1	Required for all Control Input options.
E15WLCP, E10W	Not available with 347V.
ZT	Not available with MIN1. Not available with Control Input options selections.
ZC	Generic driver available with NLIGHT or NLTAIR2 controls. Not available with VPIR, VAPIR and SSAIR. Must use MIN1.
EZT	Not available with Control Input options selections.
EZC	Only available with controls NLTAIR2, NLTAIREM2, NLIGHT, NLIGHTER, NLIGHTLM, SSE, SSAIR.
120/277	Only available with cordset options.
HA	Only available with L4 4000LM, 5000LM and L8 8000LM, 10000LM. Not available with E10W or E15WLCP.
CRE, CRM	For CRE and CRM, MLXCRJ JOINER bracket must be ordered for mechanical connection, and PLR must be ordered for electrical connection between fixtures.
Dimming	ZC and EZC only available with Control Input option selections. ZT and EZT NOT available with Control Input options selections.
NLTAIR2	See UL924 Sequence of Operation chart on page. Can be used as a normal power sensing device for NLIGHT AIR devices and luminaires with EM emergency options.
NLTAIREM2	See UL924 Sequence of Operation Chart.
CS1W	6' Straight blade plug, 120V.
CS3W	NEMA twist-lock plug, 120V.
CS7W	Straight blade plug, 277V.
CS11W	NEMA twist-lock plug, 277V.
CS25W	NEMA twist-lock plug, 347V.
CS93W	Not available with PLR options.
PLR_____, PLR1G, PLR1LVG	PPLR_LVG- Not available with any controls (NLTAIR2, NLTAIREM2, NLIGHT, NLIGHTER, NLIGHTLM, SSE, SSAIR). Refer to page 12 for more PLR details.
ZACVH M100 and HC36 M12	Must order THMLX with these configurations for mounting.

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 CLARITY+ 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.

PALLET DIMENSIONS

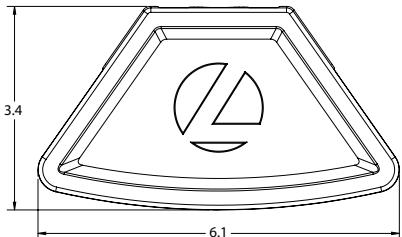
Size	Lens shape	Pallet Dimensions	QTY
4ft	WGDL	PLT 46 X 51	70
4ft	RDL	PLT 46 X 51	49
4ft	SDL	PLT 46 X 51	49
8ft	WGDL	PLT 46 X 98 1/2	70
8ft	RDL	PLT 46 X 98 1/2	49
8ft	SDL	PLT 46 X 98 1/2	49

AMBIENT TEMPERATURE RATINGS (MVOLT)

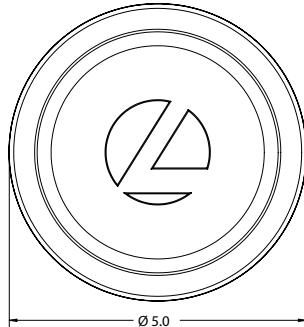
Size	Lumens	E10W/E15WLCP	ZT or ZC	EZT or EZC	HA Option
L4	4000LM	35C	40C	40C	50C
	5000LM	35C	40C	40C	50C
	7500LM	35C	40C	30C	NA
	10000LM	35C	40C	30C	NA
	12000LM	35C	40C	30C	NA
L8	8000LM	35C	40C	40C	50C
	10000LM	35C	40C	40C	50C
	15000LM	35C	40C	30C	NA
	20000LM	35C	40C	30C	NA
	24000LM	35C	40C	30C	NA

DIMENSIONS

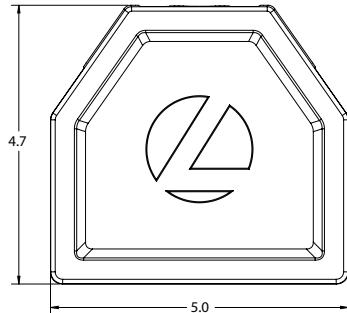
All dimensions are in inches (centimeters) unless otherwise indicated.
 Dimensions may vary with options or accessories.



WGDL



RDL

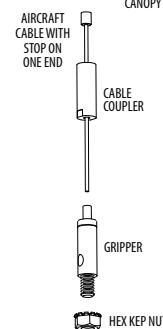
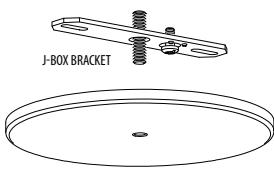


SDL



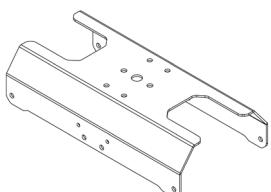
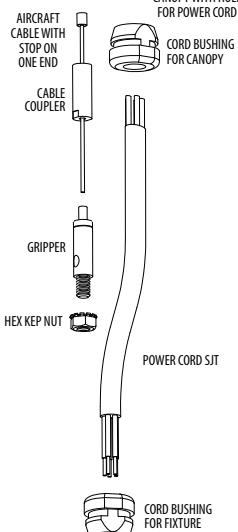
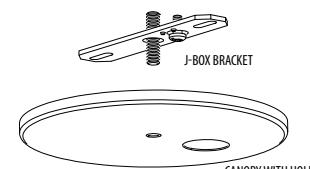
GRID CLIP
Order with ZAC for T-Grid
installation (*295FN4)

ZAC

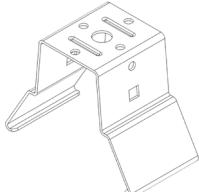


GRID MOUNT J-BOX
Order with ZACFP for T-Grid
installation (*295FNA)

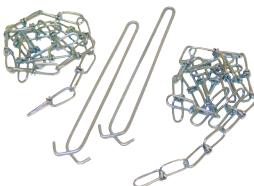
ZACFP



CONTINUOUS ROW JOINER
Order as:
MLXCRJ ____



TONG HANGER
Ships as pair.
Order as:
THMLX ____



HANGER CHAIN
36" chain with Y hanger. ships as a pair
Order as:
HC36



ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH

Intelligent Luminaire Technology Guide

Choose nomenclature from these columns					
Control Input	Sensor	=	Sensor	Previous Nomenclature	Alternate Previous Nomenclature
SSE	+ APIR	=	MSD 7 ADCX	MSD7ADCX	
SSE	+ APDT	=	MSD PDT 7 ADCX	MSDPDT7ADCX	
SSE	+ VPIR	=	VERTEX EZ OCC VLP	VTX15FOCC	
SSE	+ VAPIR	=	VERTEX EZ ADC VLP	VTX15FADC	
SSAIR	+ (blank)	=	BTRM SSA BTA	JOT	
SSAIR	+ VAPIR	=	BTRM SSA BTA + VERTEX	JOTVTX15	
NLIGHT	+ (blank)	=	nIO	NLIGHT	N100
NLIGHT	PIR	=	nIO + nES 7	NLIGHT NES7	N100 NES7
NLIGHT	+ PDT	=	nIO + nES PDT 7	NLIGHT NES PDT7	N100 NES PDT7
NLIGHT	+ APIR	=	nIO + nES 7 ADCX	NLIGHT NES7ADCX	N100 NES7ADCX
NLIGHT	+ APDT	=	nIO + nES PDT 7 ADCX	NLIGHT NES PDT7ADCX	N100 NES PDT7ADCX
NLIGHTER	+ (blank)	=	nIO ER	NLIGHT EMG	N100EMG
NLIGHTER	PIR	=	nIO ER + nES 7	NLIGHT EMG NES PDT7	N100EMG NES PDT7
NLIGHTER	+ PDT	=	nIO ER + nES PDT 7	NLIGHT EMG NES7ADC	N100EMG NES7ADC
NLIGHTER	+ APIR	=	nIO ER + nES 7 ADCX	NLIGHT EMG NES7ADCX	N100EMG NES7ADCX
NLIGHTER	+ APDT	=	nIO ER + nES PDT 7 ADCX	NLIGHT EMG NES PDT7ADCX	N100EMG NES PDT7ADCX
NLIGHTLM	+ (blank)	=	nIO N80	NLIGHT CL80	N80
NLIGHTLM	PIR	=	nIO N80 + nES 7	NLIGHT CL80 NES7	N80 NES7
NLIGHTLM	+ PDT	=	nIO N80 + nES PDT 7	NLIGHT CL80 NES PDT7	N80 NES PDT7
NLIGHTLM	+ APIR	=	nIO N80 + nES 7 ADCX	NLIGHT CL80 NES7ADCX	N80 NES7ADCX
NLIGHTLM	+ APDT	=	nIO N80 + nES PDT 7 ADCX	NLIGHT CL80 NES PDT7ADCX	N80 NES PDT7ADCX
NLTAIR2	+ (blank)	=	RIO	NLTAIR2 RIO	
NLTAIR2	+ (blank)	=	RIO EM	NLTAIR2 RIOEM	
NLTAIR2	+ APIR	=	RES7	NLTAIR2 RES7	
NLTAIR2	+ APDT	=	RES7 PDT	NLTAIR2 RES7PDT	
NLTairem2	+ APIR	=	RES7 EM	NLTAIR2 RES7EM	
NLTairem2	+ APDT	=	RES7 PDT EM	NLTAIR2 RES7PDTEM	
NLTairem2	+ VAPIR	=	RIO + VERTEX	NLTAIR2 RVT8FOCC	



Performance You Can Count On

SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

[Sensorswitch.com](#)

Wired Embedded Controls



MLX Series

1. Install the luminaires with embedded controls
2. Install and wire the wall switch to power.
3. Connect load and 0-10 dimming wires from the wall switch to the luminaires.

SensorSwitch
WSXA D

Wireless Embedded Controls



MLX Series

1. Install the luminaires with embedded controls
2. Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



SensorSwitch
WSXA SSA

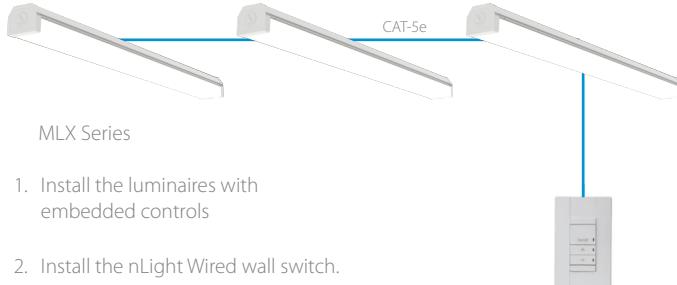


Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLIGHT® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLIGHT also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

[nLIGHTcontrols.com](#)

Wired Embedded Controls



MLX Series

1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch.
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play).

Wireless Embedded Controls



MLX Series

1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CLAIRITY + mobile app to pair the fixture with the wall switch and if desired, customize the sensor settings

MD PERFORMANCE DATA

*Please Note: EZC or EZT will have 3% loss

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				Lumens
				30K	35K	40K	50K	30K	35K	40K	50K	
WGDL	L4	4000LM	24.9	3706	3823	4022	4022	3169	3269	3413	3446	Lumens
				149	154	162	162	127	131	137	138	LPW
		5000LM	31.9	4654	4800	5050	5050	3979	4104	4285	4327	Lumens
				145	150	158	158	124	128	134	135	LPW
		7500LM	49.9	6918	7135	7508	7508	5915	6101	6370	6432	Lumens
				139	143	150	150	118	122	128	129	LPW
		10000LM	67.0	9269	9560	10058	10058	7925	8174	8534	8618	Lumens
				139	143	150	150	118	122	128	129	LPW
	L8	12000LM	83.7	11062	11409	12004	12004	9458	9756	10186	10285	Lumens
				132	136	143	143	113	117	122	123	LPW
		8000LM	49.0	7511	7747	8151	8151	6422	6624	6916	6984	Lumens
				152	156	165	165	130	134	140	141	LPW
		10000LM	62.6	9431	9727	10235	10235	8064	8317	8684	8768	Lumens
				151	155	163	163	129	133	139	140	LPW
		15000LM	99.8	14021	14461	15215	15215	11988	12365	12910	13036	Lumens
				140	145	152	152	120	124	129	131	LPW
	20000LM	133.9	133.9	18784	19374	20385	20385	16061	16566	17296	17465	Lumens
				140	145	152	152	120	124	129	131	LPW
	24000LM	167.4	167.4	22418	23122	24328	24328	19168	19771	20642	20843	Lumens
				134	138	145	145	114	118	123	124	LPW

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				Lumens
				30K	35K	40K	50K	30K	35K	40K	50K	
WGDL	L4	4000LMHE	23.7	3699	3815	4014	4014	3163	3262	3406	3439	Lumens
				156	161	170	170	134	138	144	145	LPW
		5000LMHE	29.9	4589	4733	4980	4980	3923	4047	4225	4266	Lumens
				153	158	166	166	131	135	141	143	LPW
		7500LMHE	45.8	6947	7166	7539	7539	5940	6127	6397	6459	Lumens
				152	156	165	165	130	134	140	141	LPW
		10000LMHE	63.0	9278	9569	10069	10069	7933	8182	8543	8626	Lumens
				147	152	160	160	126	130	136	137	LPW
	L8	12000LMHE	77.6	11125	11474	12072	12072	9512	9811	10243	10343	Lumens
				143	148	156	156	123	127	132	133	LPW
		8000LMHE	46.3	7496	7732	8135	8135	6409	6611	6902	6970	Lumens
				162	167	176	176	138	143	149	151	LPW
		10000LMHE	58.4	9299	9591	10092	10092	7951	8201	8563	8646	Lumens
				159	164	173	173	136	140	147	148	LPW
		15000LMHE	91.6	14080	14522	15280	15280	12038	12417	12964	13091	Lumens
				154	159	167	167	131	136	142	143	LPW
	20000LMHE	126.0	126.0	18803	19393	20405	20405	16077	16583	17314	17482	Lumens
				149	154	162	162	128	132	137	139	LPW
		24000LMHE	155.1	22545	23253	24466	24466	19276	19883	20759	20961	Lumens
				145	150	158	158	124	128	134	135	LPW

MD PERFORMANCE DATA

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
RDL	L4	4000LM	24.9	3673	3788	3986	3986	3141	3239	3382	3415	Lumens
				148	152	160	160	126	130	136	137	LPW
		5000LM	31.9	4612	4757	5005	5005	3943	4067	4247	4288	Lumens
				144	149	156	156	123	127	133	134	LPW
		7500LM	49.9	6856	7071	7440	7440	5862	6047	6313	6375	Lumens
				137	142	149	149	117	121	126	128	LPW
		10000LM	67.0	9186	9474	9968	9968	7854	8101	8458	8540	Lumens
				137	142	149	149	117	121	126	128	LPW
	L8	12000LM	83.7	10963	11307	11897	11897	9373	9668	10094	10193	Lumens
				131	135	142	142	112	115	121	122	LPW
		8000LM	49.0	7444	7678	8078	8078	6365	6565	6854	6921	Lumens
				150	155	163	163	128	133	138	140	LPW
		10000LM	62.6	9347	9640	10143	10143	7991	8243	8606	8690	Lumens
				149	154	162	162	128	132	137	139	LPW
		15000LM	99.8	13895	14331	15079	15079	11880	12254	12794	12919	Lumens
				139	144	151	151	119	123	128	129	LPW
		20000LM	133.9	18616	19201	20202	20202	15917	16418	17141	17308	Lumens
				139	144	151	151	119	123	128	129	LPW
		24000LM	167.4	22218	22915	24111	24111	18996	19594	20458	20657	Lumens
				133	137	144	144	113	117	122	123	LPW

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
RDL	L4	4000LMHE	23.7	3666	3781	3978	3978	3134	3233	3375	3408	Lumens
				155	160	168	168	132	137	143	144	LPW
		5000LMHE	29.9	4548	4690	4935	4935	3888	4011	4187	4228	Lumens
				152	157	165	165	130	134	140	141	LPW
		7500LMHE	45.8	6885	7101	7472	7472	5887	6072	6340	6402	Lumens
				150	155	163	163	129	133	138	140	LPW
		10000LMHE	63.0	9195	9484	9978	9978	7862	8109	8467	8549	Lumens
				146	150	158	158	125	129	134	136	LPW
	L8	12000LMHE	77.6	11025	11371	11964	11964	9426	9723	10151	10250	Lumens
				142	147	154	154	122	125	131	132	LPW
		8000LMHE	46.3	7429	7662	8062	8062	6352	6552	6841	6907	Lumens
				161	166	174	174	137	142	148	149	LPW
		10000LMHE	58.4	9216	9506	10001	10001	7880	8128	8486	8569	Lumens
				158	163	171	171	135	139	145	147	LPW
		15000LMHE	91.6	13954	14392	15143	15143	11931	12306	12848	12974	Lumens
				152	157	165	165	130	134	140	142	LPW
		20000LMHE	126.0	18635	19220	20223	20223	15933	16434	17159	17326	Lumens
				148	152	160	160	126	130	136	137	LPW
		24000LMHE	155.1	22344	23045	24247	24247	19104	19705	20573	20774	Lumens
				144	149	156	156	123	127	133	134	LPW

MD PERFORMANCE DATA

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
SDL	L4	4000LM	24.9	3721	3838	4038	4038	3182	3282	3427	3460	Lumens
				150	154	162	162	128	132	138	139	LPW
		5000LM	31.9	4672	4819	5071	5071	3995	4121	4302	4344	Lumens
				146	151	158	158	125	129	134	136	LPW
		7500LM	49.9	6946	7164	7538	7538	5939	6126	6396	6458	Lumens
				139	143	151	151	119	123	128	129	LPW
		10000LM	67.0	9306	9599	10099	10099	7957	8207	8569	8653	Lumens
				139	143	151	151	119	123	128	129	LPW
	L8	12000LM	83.7	11107	11455	12053	12053	9496	9795	10227	10326	Lumens
				133	137	144	144	113	117	122	123	LPW
		8000LM	49.0	7542	7779	8184	8184	6448	6651	6944	7012	Lumens
				152	157	165	165	130	134	140	142	LPW
		10000LM	62.6	9469	9767	10276	10276	8096	8351	8719	8804	Lumens
				151	156	164	164	129	133	139	141	LPW
		15000LM	99.8	14077	14519	15277	15277	12036	12415	12962	13088	Lumens
				141	145	153	153	121	124	130	131	LPW
		20000LM	133.9	18861	19453	20468	20468	16126	16633	17366	17536	Lumens
				141	145	153	153	121	124	130	131	LPW
		24000LM	167.4	22509	23216	24427	24427	19246	19851	20726	20928	Lumens
				134	139	146	146	115	119	124	125	LPW

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
SDL	L4	4000LMHE	23.7	3714	3831	4030	4030	3175	3275	3420	3453	Lumens
				157	162	170	170	134	138	144	146	LPW
		5000LMHE	29.9	4607	4752	5000	5000	3939	4063	4242	4284	Lumens
				154	159	167	167	132	136	142	143	LPW
		7500LMHE	45.8	6976	7195	7570	7570	5964	6152	6423	6486	Lumens
				152	157	165	165	130	134	140	142	LPW
		10000LMHE	63.0	9316	9608	10109	10109	7965	8216	8578	8661	Lumens
				148	152	160	160	126	130	136	137	LPW
	L8	12000LMHE	77.6	11170	11520	12121	12121	9550	9851	10285	10385	Lumens
				144	149	156	156	123	127	133	134	LPW
		8000LMHE	46.3	7527	7763	8168	8168	6435	6638	6930	6998	Lumens
				163	168	176	176	139	143	150	151	LPW
		10000LMHE	58.4	9337	9630	10133	10133	7983	8235	8597	8681	Lumens
				160	165	173	173	137	141	147	149	LPW
		15000LMHE	91.6	14137	14581	15342	15342	12087	12468	13017	13144	Lumens
				154	159	167	167	132	136	142	143	LPW
		20000LMHE	126.0	18880	19472	20488	20488	16142	16650	17384	17553	Lumens
				150	154	163	163	128	132	138	139	LPW
		24000LMHE	155.1	22637	23347	24566	24566	19355	19964	20843	21047	Lumens
				146	151	158	158	125	129	134	136	LPW

PHOTOMETRICS

See www.lithonia.com.

MLX

AD2 PERFORMANCE DATA

*Please Note: EZC or EZT will have 3% loss

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				Lumens
				30K	35K	40K	50K	30K	35K	40K	50K	
WGDL+AD2	L4	4000LM	24.9	3569	3681	3873	3873	3052	3148	3287	3319	Lumens
				143	148	156	156	123	127	132	133	LPW
		5000LM	32.0	4482	4622	4863	4863	3832	3952	4127	4167	Lumens
				140	144	152	152	120	124	129	130	LPW
		7500LM	49.9	6662	6872	7230	7230	5696	5876	6135	6194	Lumens
				133	138	145	145	114	118	123	124	LPW
	L8	10000LM	66.9	8926	9206	9687	9687	7632	7872	8219	8299	Lumens
				133	138	145	145	114	118	123	124	LPW
		12000LM	83.7	10653	10987	11561	11561	9108	9395	9809	9905	Lumens
				127	131	138	138	109	112	117	118	LPW
		8000LM	49.5	7234	7461	7850	7850	6185	6380	6661	6726	Lumens
				146	151	158	158	125	129	134	136	LPW
	L8	10000LM	62.6	9083	9368	9856	9856	7766	8010	8363	8444	Lumens
				145	150	157	157	124	128	134	135	LPW
		15000LM	99.9	13502	13926	14653	14653	11545	11908	12433	12554	Lumens
				135	139	147	147	116	119	124	126	LPW
		20000LM	133.8	18090	18658	19632	19632	15467	15954	16657	16819	Lumens
				135	139	147	147	116	119	125	126	LPW
		24000LM	167.4	21590	22268	23429	23429	18460	19040	19880	20073	Lumens
				129	133	140	140	110	114	119	120	LPW

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				Lumens
				30K	35K	40K	50K	30K	35K	40K	50K	
WGDL+AD2	L4	4000LMHE	23.7	3562	3674	3866	3866	3046	3142	3280	3312	Lumens
				150	155	163	163	129	133	139	140	LPW
		5000LMHE	29.9	4419	4558	4796	4796	3778	3897	4069	4109	Lumens
				148	152	160	160	126	130	136	137	LPW
		7500LMHE	45.8	6691	6901	7261	7261	5721	5901	6161	6221	Lumens
				146	151	159	159	125	129	135	136	LPW
	L8	10000LMHE	63.0	8935	9216	9696	9696	7640	7880	8227	8307	Lumens
				142	146	154	154	121	125	131	132	LPW
		12000LMHE	77.6	10713	11050	11626	11626	9160	9448	9865	9961	Lumens
				138	142	150	150	118	122	127	128	LPW
		8000LMHE	46.3	7219	7446	7834	7834	6173	6367	6647	6712	Lumens
				156	161	169	169	133	138	144	145	LPW
	L8	10000LMHE	58.4	8956	9237	9719	9719	7657	7898	8246	8327	Lumens
				153	158	166	166	131	135	141	143	LPW
		15000LMHE	91.6	13560	13985	14715	14715	11594	11958	12485	12607	Lumens
				148	153	161	161	127	131	136	138	LPW
		20000LMHE	126.0	18108	18677	19651	19651	15483	15970	16674	16836	Lumens
				144	148	156	156	123	127	132	134	LPW
		24000LMHE	155.1	21712	22394	23562	23562	18564	19148	19992	20187	Lumens
				140	144	152	152	120	123	129	130	LPW

AD2 PERFORMANCE DATA

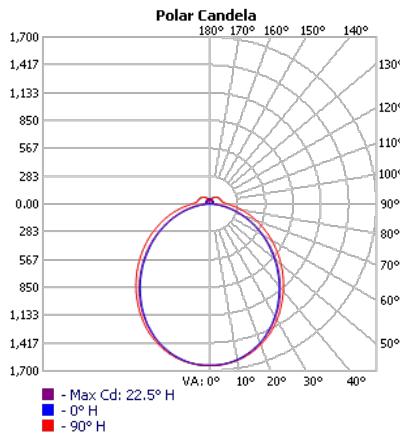
Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
RDL+AD2	L4	4000LM	24.9	3614	3728	3922	3922	3090	3188	3328	3360	Lumens
				145	150	158	158	124	128	134	135	LPW
		5000LM	32.0	4538	4681	4925	4925	3880	4002	4179	4219	Lumens
				142	146	154	154	121	125	131	132	LPW
		7500LM	49.9	6747	6958	7321	7321	5768	5950	6212	6273	Lumens
				135	139	147	147	116	119	124	126	LPW
		10000LM	66.9	9039	9323	9809	9809	7728	7972	8323	8404	Lumens
				135	139	147	147	116	119	124	126	LPW
	L8	12000LM	83.7	10788	11126	11707	11707	9223	9514	9933	10030	Lumens
				129	133	140	140	110	114	119	120	LPW
		8000LM	49.5	7325	7555	7949	7949	6263	6460	6745	6810	Lumens
				148	153	160	160	126	130	136	137	LPW
		10000LM	62.6	9197	9486	9981	9981	7864	8111	8469	8551	Lumens
				147	151	159	159	126	130	135	137	LPW
		15000LM	99.9	13673	14102	14838	14838	11690	12058	12590	12712	Lumens
				137	141	149	149	117	121	126	127	LPW
		20000LM	133.8	18319	18894	19879	19879	15663	16156	16867	17032	Lumens
				137	141	149	149	117	121	126	127	LPW
		24000LM	167.4	21863	22549	23725	23725	18693	19281	20131	20327	Lumens
				131	135	142	142	112	115	120	121	LPW

Optic	Length	Lumen Package	Wattage	80CRI				90CRI				
				30K	35K	40K	50K	30K	35K	40K	50K	
RDL+AD2	L4	4000LMHE	23.7	3607	3720	3915	3915	3084	3181	3321	3354	Lumens
				152	157	165	165	130	134	140	142	LPW
		5000LMHE	29.9	4475	4615	4856	4856	3826	3946	4120	4160	Lumens
				149	154	162	162	128	132	138	139	LPW
		7500LMHE	45.8	6775	6988	7352	7352	5793	5975	6238	6299	Lumens
				148	153	161	161	126	130	136	138	LPW
		10000LMHE	63.0	9048	9332	9819	9819	7736	7980	8331	8412	Lumens
				144	148	156	156	123	127	132	133	LPW
	L8	12000LMHE	77.6	10849	11189	11773	11773	9276	9568	9989	10087	Lumens
				140	144	152	152	120	123	129	130	LPW
		8000LMHE	46.3	7311	7540	7933	7933	6251	6447	6731	6797	Lumens
				158	163	171	171	135	139	145	147	LPW
		10000LMHE	58.4	9069	9354	9842	9842	7754	7998	8350	8432	Lumens
				155	160	168	168	133	137	143	144	LPW
		15000LMHE	91.6	13731	14162	14901	14901	11740	12109	12643	12766	Lumens
				150	155	163	163	128	132	138	139	LPW
		20000LMHE	126.0	18337	18913	19899	19899	15678	16172	16884	17049	Lumens
				145	150	158	158	124	128	134	135	LPW
		24000LMHE	155.1	21986	22677	23860	23860	18799	19390	20245	20442	Lumens
				142	146	154	154	121	125	131	132	LPW

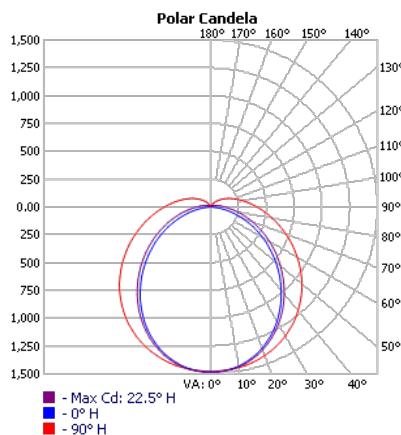
MD Light Distributions

WGDL- 8.6% uplight
 RDL- 10.6% uplight
 SDL- 16.7% uplight

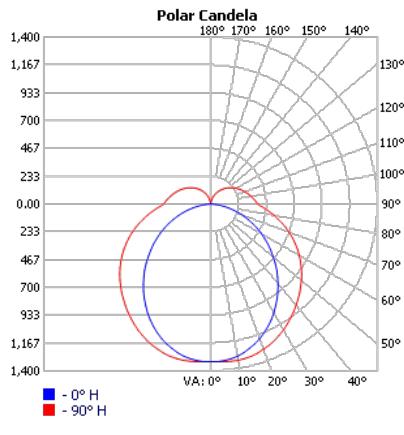
WGDL



RDL



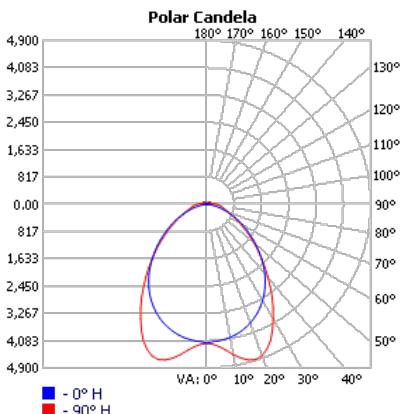
SDL



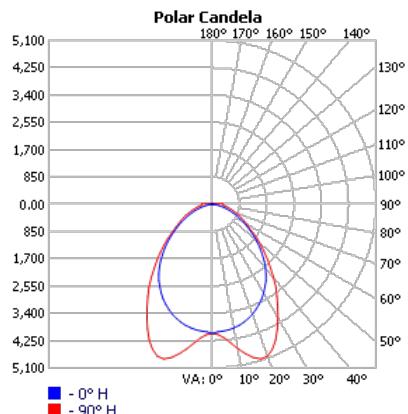
AD2 Light Distributions

WGDL- 8.6% uplight
 RDL- 10.6% uplight

WGDL



RDL



RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.

**ORDERING INFORMATION**

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

Example: RRLA

Series	Wiring instructions
RRL RELOC®-ready luminaire	A Hot conductor wired to position #1 (phase A) B Hot conductor wired to position #2 (phase B) C Hot conductor wired to position #3 (phase C) ¹ C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

OCS



OCU



OD



DC



PT

Notes

1 C, ABE, and C12S options are not used with Quick-Flex QFC, QSF, QPT, and QD.

PLUG-IN WIRING INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Not for use with dedicated emergency circuits.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION

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

Series	Number of hot wires	Branch circuits (PLR2A / PLR2B Only)		Dimming	Ground
PLR22	(blank) Not required for PLR22	(blank) Not required for PLR22		(blank) No Dimming	G Ground (required)
PLR	1 Black	(blank) Not required for PLR1		(blank) No Dimming	G Ground (required)
	2 Black and red	Circuits to which driver is connected	Battery charging circuit (must be unswitched)	LV Low-voltage Dimming	G Ground (required)
		(blank) Not required for PLR22	(blank) No battery charging circuit		
		A Black wire	ELA Battery pack wired to black wire		
		B Red wire	ELB Battery pack wired to red wire		

Typical Applications**Notes:**

When specifying PLR1, you will not specify A or B as there is only a single hot wire which would be black in color.

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit PLR22
- Multiple circuit with night-lights located along row as desired

Dimensions