LITHONIA LIGHTING®

Open Ceiling LED Suspended

LL

Lithonia® Linear

FEATURES & SPECIFICATIONS

INTENDED USE — Lithonia Linear is a suspended linear fixture designed for open, mixed, grid, or hard surface applications. The perfect blend of configurability and simplicity - Lithonia Linear is perfect for contractors, design builders, architects and specifiers for use in almost any application including open ceilings, retail, office, hospitality, education, healthcare, and transportation.

CONSTRUCTION — Lithonia Linear is built on an extruded aluminum chassis for the perfect blend of strength, weight, and thermal performance. The power modules/ end caps are made of injections molded plastic and lens is constructed of polycarbonate.

OPTICS — Lithonia Linear utilizes a frosted polycarbonate diffuser which provides an optimal 13% uplight to prevent a dark ceiling effect without reducing overall fixture efficiency.

CONTROLS —**Integrated Sensor (nLight® Wired Networking):** This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment

Integrated Wireless Sensor (single room control): Sensor Switch™ VPIR15 or VAPIR15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space.

INSTALLATION — Lithonia Linear is designed to be extremely easy to install in multiple applications. Adjustable mounting points and aircraft cable make it easy to order, without knowing exact layouts and mounting points ahead of time. Just by determining if you have an open ceiling or T-grid style ceiling, you can order everything you need for a hassle-free installation. All power cords are factory installed and suspension hardware is included with each luminaire. We have taken the guesswork out of what you need for the installation.

LISTINGS — UL certified to US and Canadian safety standards. Damp location listed. IP5X Option. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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.

MOUNTING HARDWARE —Mounting hardware included and optional replacement parts table on page 3.

EPD ZT DEC

EPD EZTR DEC

EPD EZCB DEC

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

Example: LL8 6000LM 80CRI CPD MIN10 ZT MVOLT F1/120A DNA

Series	Lumens ‡		CRI	CCT		Power Drop (See images below on page 6)		Minimum Dimming Level		Dimming	
LL4 4' LED Suspended	3000LM	3000 Lumens	80CRI	30K	3000K	CPD	Center Power Drop ‡	MIN1	Dims to 1% ‡	ZT	Generic 0-10V integrated driver ‡
	4000LM	4000 Lumens		35K	3500K	EPD	End Power Drop ‡	MIN10	Dims to 10%	**Remote driver box**	
	5000LM	5000 Lumens		40K	4000K					ZTR	Generic 0-10V driver ‡
LL8 8' LED Suspended	6000LM	6000 lumens		50K	5000K					SLD	Step level dimming ‡
	8000LM	8000 lumens								EZTR	eldoLED 0-10V remote box
	10000LM	10000 lumens								EZCR	eldoled controls remote box ‡
LL16 16' LED Suspended ‡	12000LM	12000 lumens								**Driver backpack**	
	16000LM	16000 lumens								EZTB	eldoLED 0-10V backpack ‡
	20000LM	20000 lumens								EZCB	eldoled controls backpack ‡

Voltage		Emergency Option		Mounting Type/Overall Suspension ‡ (See images below on page 3)		Finish ‡	
MVOLT	MVOLT (120-277V)	(Blank)	no emergency option	F1/120A	T-bar ceiling (universal mounting bracket) 120" (10ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy included.	WH	Matte White, fixture finish and cord set
347	347V ‡	IE10WCP	10W Emergency backup ‡	F1/240A	T-bar ceiling (universal mounting bracket) 240" (20ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy included.	DNA	Natural Aluminum, fixture finish and white cord set
		IE10WCPHE	10W Emergency backup w/standby mode (T20) ‡	F2/120A	Hard Ceiling (horizontal J-box) 120" (10ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy included.	MB	Matte Black, fixture finish and cord set
		IE7WCPHE	7W Emergency back w/standby mode (T20) ‡	F2/240A	Hard ceiling (horizontal J-box) 240" (20ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy included.		
		GTD	Generator Transfer Device ‡	F3/120A	Open Ceiling (closed loop) 120" (10ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy not included.		
				F3/240A	Open Ceiling (closed loop) 240" (20ft) Adjustable Aircraft Cables, 18/5 SJT, Cord Included. Canopy not included.		

NOTE: ‡ Indicates option chosen has ordering restrictions or note. Please reference ordering notes chart. Options are sorted alphanumerically.

Controls

Control Input		Sensor	
(blank)	No Control Input	(blank)	No Sensor or Control Input function only, if selected.
NLTAIR2	nLight AIR Generation 2 (wireless) enabled ‡	(blank)	No sensor, Control Input function only
NLTAIREM2	nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection ‡	APIR	Occ sensing with passive infared - on/off functionalityand auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & microphonics) and auto dimming photocell
		APIREM	Occ sensing with passive infared - on/off functionality and auto dimming photocell and UL924 Emergency Operation, via power interrupt detection
		APDTEM	Occ sensor dual tech (passive infared & microphonics) and auto dimming photocell and UL924 Emergency Operation, via power interrupt detection.
NLIGHT	nLight enabled	(blank)	No sensor, Control Input function only
NLIGHTER	nLight enabled, for use with generator supply EM power	PIR	Occ sensing with passive infared - on/off functionality
NLIGHTLM	nLight enabled with lumen management	PDT	Occ sensor dual tech (passive infared & microphonics)
NLIGHTERLM	nLight enabled with lumen management, for use with generator supply EM power	APIR	Occ sensing with passive infared - on/off functionalityand auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & microphonics) and auto dimming photocell
		VPIR15	Vertex low-profile on/off occupancy PIR occupancy sensor at 15ft mounting height
SSE	Sensor Switch Embedded	APIR	Occ sensing with passive infared - on/off functionalityand auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & microphonics) and auto dimming photocell
		VPIR15	Vertex low-profile on/off occupancy PIR occupancy sensor at 15ft mounting height
		VAPIR15	Vertex low-profile on/off occupancy sensor with auto dimming photocell at 15ft mounting height
JOT	JOT, "Just One Touch" (wireless) enabled	(blank)	No sensor, Control Input function only
		VAPIR15	Vertex low-profile on/off occupancy sensor with auto dimming photocell at 15ft mounting height

End Cap Options (When ordering EPD. See page 6 with configuration examples. Aesthetic pieces only)		Options	
(Blank)	Center Power Drop	IP5X	Gasketing to meet IP5X rating ‡
DEC	Decorative End Cap	NLG	No Lithonia Logo
DEM	Decorative End Module		

NOTE: ‡ Indicates option chosen has ordering restrictions or note. Please reference ordering notes chart. Options are sorted alphanumerically.

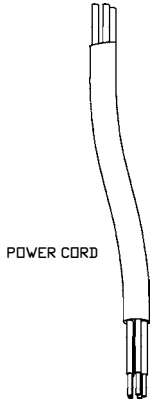| ‡ Ordering Notes/ Restrictions	
Option value	**Restriction**
LL16	LL16 EPD ordered with controls must be EZCR. LL16 CPD ordered with NLTAIR, SSE/JOT can be ordered with EZCB and EZCR. If ordering NLIGHT, NLIGHTER, NLIGHTLM, NLIGHTERLM must be SLD or EZCR.
Lumens	Nominal lumen output.
CPD, EPD	CPD comes with (DEC) decorative end caps. CPD is not available in LL4. EPD ships with choice of decorative end caps (DEC) or decorative module (DEM). LL16 EPD ships with decorative module (DEM).
MIN1	Only available with nLight, nLight Air and EldoLED.
ZT	Not available with MIN1, Controls or EM, 347V.
ZTR	Generic driver available with with 347V, EM or GTD. Not available with MIN1 and controls
SLD	Only available with remote box driver. Not available with controls, 347V or MIN1.
EZCR	When ordering EZCR luminaire, two cords will run from the remote driver box to the power module on the fixture.
EZTB, EZCB	Not available with EM or 347V.
347	Must be remote driver box mounted. Not available with Emergency, GTD or ZT, EZTB, EZCB.
IE10WCP, IE10WCPHE, IE7WCPHE GTD	Not available with 347. Must be remote mounted – EZTR, EZCR, ZTR. Not available with ZT.
Mounting Type/ Overall Suspension	All mounting/suspension cable and hardware included. Refer to the Mounting/Suspension Hardware Included Key on page 3 for the number of suspension drops and power feed(s).
Finish	Metal components painted after fabrication.
NLTAIR2	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. Leave Sensor option group blank, not available with APIR, APDT, APIREM and APDTEM.
NLIGHT, NLIGHTER, NLIGHTLM, NLIGHTLMER	Must be remote box mounted EZCR.
JOT	Only available with EZCR and EZCB.
IP5X	Gasketing for the driver enclosure to meet IP5X. Only available with ZT.

WHAT'S IN THE BOX: + MOUNTING/ HARDWARE BAG

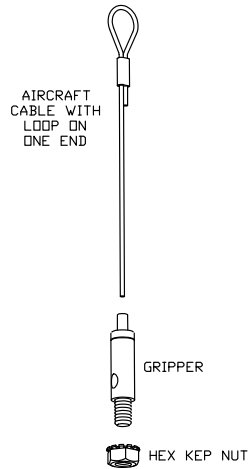| F1 – T-GRID ceiling mount	
LL4 EPD	1ZAC + 1ZACFP + 2 T GRID CLIPS
LL8 CPD	2ZAC + 1ZACFP + 3 T GRID CLIPS
LL8 EPD	1ZAC + 1ZACFP + 2 T GRID CLIPS
LL16 CPD	2ZAC + 1ZACFP + 3 T GRID CLIPS
LL16 EPD	2ZAC + 2ZACFP + 4 T GRID CLIPS

F2 – Hard ceiling mount	
LL4 EPD	1ZAC + 1ZACFP
LL8 CPD	2ZAC + 1ZACFP
LL8 EPD	1ZAC + 1ZACFP
LL16 CPD	2ZAC + 1ZACFP
LL16 EPD	2ZAC + 2ZACFP

F3 – Open ceiling mount	
LL4 EPD	2LLAC + 1PC
LL8 CPD	3LLAC + 1PC
LL8 EPD	2LLAC + 1PC
LL16 CPD	3LLAC + 1PC
LL16 EPD	4LLAC + 2PC

POWER CORD (PC)

POWER CORD

LLAC

AIRCRAFT CABLE WITH LOOP ON ONE END

GRIPPER

HEX KEP NUT

ZAC

J-BOX BRACKET

CANOPY

AIRCRAFT CABLE WITH STOP ON ONE END

CABLE COUPLER

GRIPPER

HEX KEP NUT

ZACFP

J-BOX BRACKET

CANOPY WITH HOLE FOR POWER CORD

CORD BUSHING FOR CANOPY

AIRCRAFT CABLE WITH STOP ON ONE END

CABLE COUPLER

GRIPPER

HEX KEP NUT

POWER CORD SJT

CORD BUSHING FOR FIXTURE

HARDWARE IMAGES

.35"
5.44"
1.18"
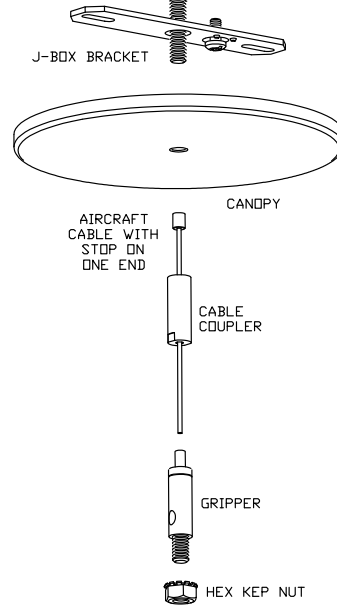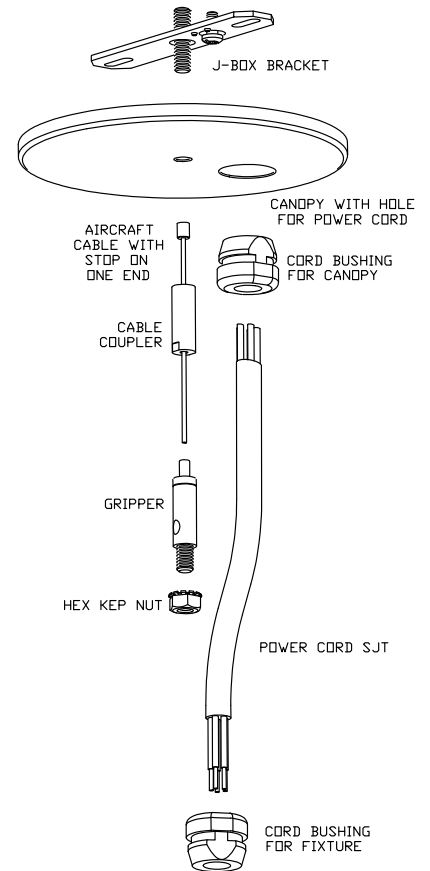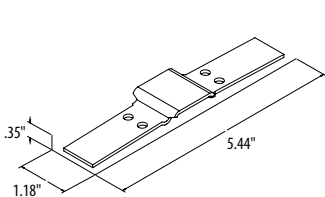
Joiner Bracket LLCR
Note: *Included with every fixture configurations

2.42"
3.33"
12.07"

DEM-Decorative End Module

1.87"
2.29"
3.38"
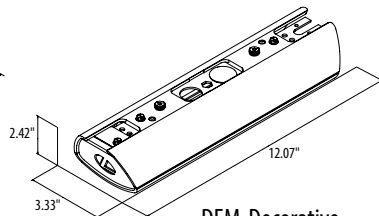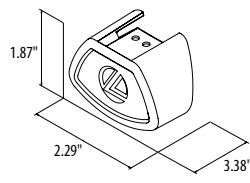
DEC- Decorative End Cap

U0776 (Tgrid Clip)

96.5
3.8"
80
3.5"
594
23.4"
649
25.5"
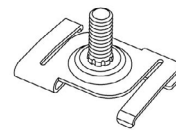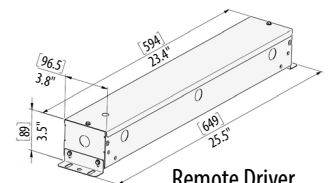
Remote Driver Box/Emergency Battery Box
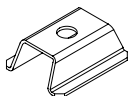
Sliding Mounting Hardware
Note: *Included with every fixture configurations

Screws for power Module Connection
Note: *Included with every fixture configurations
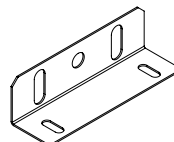
Remote Box Bracket
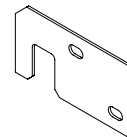
Remote Box Hanger Bracket

Intelligent Luminaire Technology Guide

Choose nomenclature from these columns					
Control Input		**Sensor**	**Sensor**	**Notes**	**Previous Nomenclature**
SSE	+	APIR	= MSD 7 ADCX	Individual fixture control only. PIR integral occupancy sensor with automatic dimming control photocell.	MSD7ADCX
SSE	+	APDT	= MSD PDT 7 ADCX	Individual fixture control only. PDT integral occupancy sensor with automatic dimming control photocell.	MSDPDT7ADCX
SSE	+	VPIR15	= VERTEX 15F EZ OCC VLP	Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height.	VTX15FOCC
SSE	+	VAPIR15	= VERTEX 15F EZ ADC VLP	Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height.	VTX15FADC
JOT	+	(blank)	= BTRM JOT BTA	Wireless room control with "Just One Touch" pairing.	JOT
JOT	+	VAPIR15	= BTRM JOT BTA + VERTEX 15F EZ ADC VLP GSKT	Wireless room control with "Just One Touch" pairing.	JOTVTX15
NLIGHT	+	(blank)	= nIO EZ PH	nLight enabled only. No onboard sensor.	NLIGHT
NLIGHT	+	PIR	= nIO EZ PH + nES 7	nLight enabled with PIR integral occupancy sensor.	NLIGHT NES7
NLIGHT	+	PDT	= nIO EZ PH + nES PDT 7	nLight enabled with dual technology occupancy control sensor.	NLIGHT NESPDT7
NLIGHT	+	APIR	= nIO EZ PH + nES 7 ADCX	nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT NES7ADCX
NLIGHT	+	APDT	= nIO EZ PH + nES PDT 7 ADCX	nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT NESPDT7ADCX
NLIGHT	+	VPIR15	= NIO EZ PH + VERTEX 16FT EZ OCC VLP	nLight enabled with Vertex low-profile on/off occupancy PIR occupancy sensor at 16ft mounting height.	NLIGHT NVTX16FOCC
NLIGHTER	+	(blank)	= nIO EZ PH ER	Emergency nLight enabled only. No onboard sensor.	NLIGHT EMG
NLIGHTER	+	PIR	= nIO EZ PH ER + nES 7	Emergency nLight enabled with PIR integral occupancy sensor.	NLIGHT EMG NESPDT7
NLIGHTER	+	PDT	= nIO EZ PH ER + nES PDT 7	Emergency nLight enabled with dual technology occupancy control sensor.	NLIGHT EMG NES7ADC
NLIGHTER	+	APIR	= nIO EZ PH ER + nES 7 ADCX	Emergency nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT EMG NES7ADCX
NLIGHTER	+	APDT	= nIO EZ PH ER + nES PDT 7 ADCX	Emergency nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT EMG NESPDT7ADCX
NLIGHTER	+	VPIR15	= VERTEX 15F EZ OCC VLP	Emergency nLight enabled with Vertex low-profile on/off occupancy PIR occupancy sensor at 15ft mounting height.	NLIGHT NVTX15FOCC
NLIGHTLM	+	(blank)	= nIO EZ PH N80	nLight enabled only with 80% constant lumen managment. No onboard sensor.	NLIGHT CL80
NLIGHTLM	+	PIR	= nIO EZ PH N80 + nES 7	nLight enabled with 80% constant lumen managment with PIR integral occupancy sensor.	NLIGHT CL80 NES7
NLIGHTLM	+	PDT	= nIO EZ PH N80 + nES PDT 7	nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.	NLIGHT CL80 NESPDT7
NLIGHTLM	+	APIR	= nIO EZ PH N80 + nES 7 ADCX	nLight enabled with 80% constant lumen management with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT CL80 NES7ADCX
NLIGHTLM	+	APDT	= nIO EZ PH N80 + nES PDT 7 ADCX	nLight enabled with 80% constant lumen managment with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT CL80 NESPDT7ADCX
NLIGHTLM	+	VPIR15	= nIO EZ PH N80+ VERTEX 8F EZ OCC VLP	nLight enabled with 80% constant lumen management with Vertex low-profile on/off occupancy PIR occupancy sensor at 16ft mounting height	NLIGHT CL80 NVTX16FOCC
NLIGHTLMER	+	(blank)	= nIO EZ PH ER N80	Emergency nLight enabled only with 80% contstant lumen managment. No onboard sensor.	NLIGHT EMG CL80
NLIGHTLMER	+	PIR	= nIO EZ PH ER N80 + nES 7	Emergency nLight enabled with 80% contstant lumen managment with PIR integral occupancy sensor.	NLIGHT EMG CL80 NES7
NLIGHTLMER	+	PDT	= nIO EZ PH ER N80 + nES PDT 7	Emergency nLight enabled with 80% contstant lumen management with dual technology occupancy control sensor.	NLIGHT EMG CL80 NESPDT7
NLIGHTLMER	+	APIR	= nIO EZ PH ER N80 + nES 7 ADCX	Emergency nLight enabled with 80% contstant lumen management with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT EMG CL80 NES7ADCX
NLIGHTLMER	+	APDT	= nIO EZ PH ER N80 + nES PDT 7 ADCX	Emergency nLight enabled with 80% contstant lumen management with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT EMG CL80 NESPDT7ADCX
NLIGHTLMER	+	VPIR15	= VERTEX 15F EZ OCC VLP	Emergency nLight enabled with 80% constant lumen management. Vertex low-profile on/off occupancy PIR occupancy sensor at 15ft mounting height.	NLIGHT EMG CL80 NVTX15FOCC
NLTAIR2	+	(blank)	= RIO EZ PH 90D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RIO
NLTAIREM2	+	(blank)	= RIO EZ PH ER 90D G2	nLight AIR Generation 2 enabled	NLTAIR2 RIOEM
NLTAIR2	+	APIR	= RES7 G2	nLight AIR Generation 2 enabled.	NLTAIR2 RES7
NLTAIR2	+	APDT	= RES7 PDT 180D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RES7PDT
NLTAIR2	+	APIREM	= RES7 EM 180D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RES7EM
NLTAIR2	+	APDTEM	= RES7 PDT EM 180D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RES7PDTEM

Control/Sensor Configurations

OPTIONAL REPLACEMENT PARTS

	CI Code	Model	Description
SUSPENSION KIT	*265WLF	LLAC120	120" cable gripper w/nut - NO Canopy
	*265WLG	LLAC240	240" cable gripper w/nut - NO Canopy
	*267MEP	LLCNPY WHT	White, 5" Canopy with 15/32" and ½" diameter holes
	*267MF2	LLCNPY BLK	Black, 5" Canopy with 15/32" and ½" diameter holes
	*211C82	ZAC120	120" cable gripper w/nut - INCL 5" MATTE WHITE CANOPY & BRACKET
	*250E2S	ZAC120 MB	120" cable gripper w/nut - INCL 5" MATTE BLACK CANOPY & BRACKET
	*217YRX	ZAC240	240" cable gripper w/nut - INCL 5" MATTE WHITE CANOPY & BRACKET
	*2512MC	ZAC240 MB	240" cable gripper w/nut - INCL 5" MATTE BLACK CANOPY & BRACKET
	*233RV9	ZACFPD120	5-conductor power feed & 120" cable gripper w/nut - INCL 5" MATTE WHITE CANOPY & BRACKET
	*250E7S	ZACFPD120 MB	5-conductor power feed & 120" cable gripper w/nut - INCL 5" MATTE BLACK CANOPY & BRACKET
	*233RVA	ZACFPD240	5-conductor power feed & 240" cable gripper w/nut - INCL 5" WHITE CANOPY & BRACKET
	*2512MJ	ZACFPD240 MB	5-conductor power feed & 240" cable gripper w/nut - INCL 5" MATTE BLACK CANOPY & BRACKET
DEM- DECORATIVE END MODULE	*266EU4	LLCR WH DEM	Decorative end module, Matte White
	*266EUK	LLCR MB DEM	Decorative end module, Matte Black
	*266EUG	LLCR DNA DEM	Decorative end module, Natural Aluminum
DEC- DECORATIVE END CAP	*286VVV	LLCR WH DEC	Decorative end cap, Matte White
	*286VVX	LLCR DNA DEC	Decorative end cap, Natural Aluminum
	*286VVY	LLCR MB DEC	Decorative end cap, Matte Black
MISCELLANEOUS	*27253J	RK3LLCR	Joiner, Galvanized Steel (comes std w/fixture)
	*212NF3	U0776	Clip used to convert aircraft mounting from JBOX to T-Grid

DIMENSIONS:

[58.06]
2.29

[85.91]
3.38
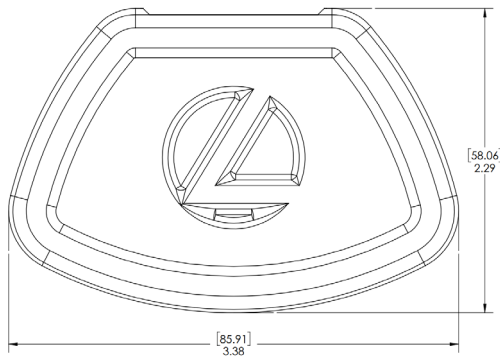
PERFORMANCE DATA

Nomenclature	Lumens	Wattage	LPW
LL4 3000LM 80CRI 40K MVOLT	3000	26	117
LL4 4000LM 80CRI 40K MVOLT	4045	33	123
LL4 5000LM 80CRI 40K MVOLT	4955	41	120
LL8 6000LM 80CRI 40K MVOLT	6111	50	121
LL8 8000LM 80CRI 40K MVOLT	8327	66	127
LL8 10000LM 80CRI 40K MVOLT	9786	79	124
LL16 12000LM 80CRI 40K MVOLT	12223	101	121
LL16 16000LM 80CRI 40K MVOLT	16655	131	127
LL16 20000LM 80CRI 40K MVOLT	19572	158	124

For 30K - Factor in 5% lumen reduction
For 35K - Factor in 3% lumen reduction
For 50K - Factor in 2% lumen increase
For 347V - Factor in 12% wattage increase
Refer to LL4 data upload

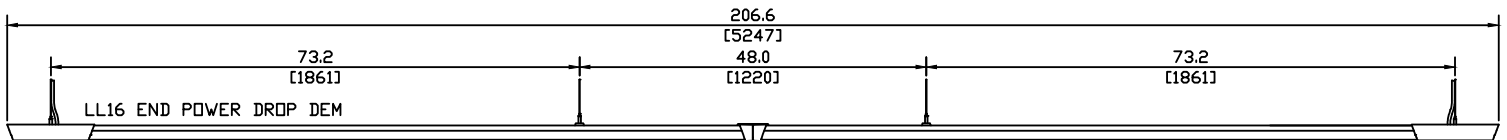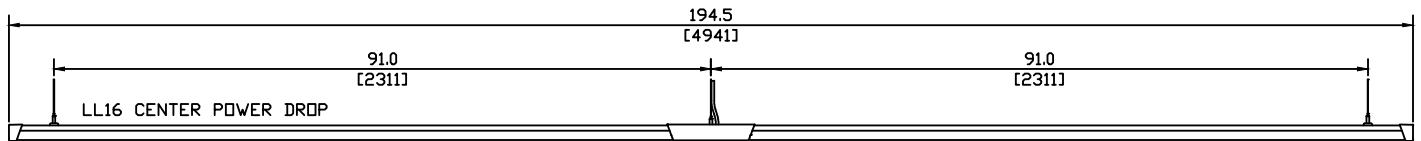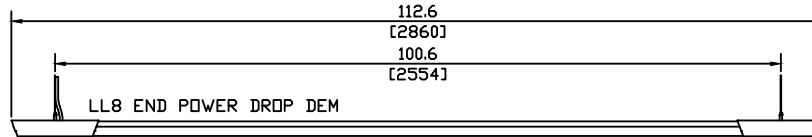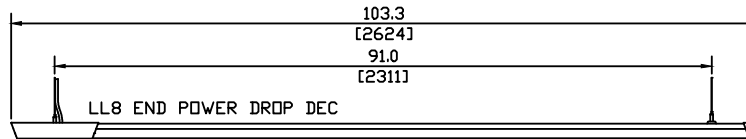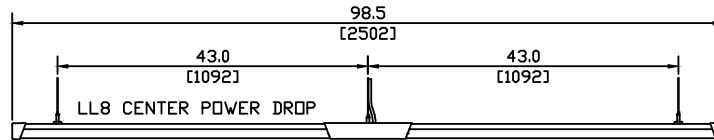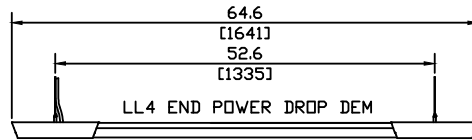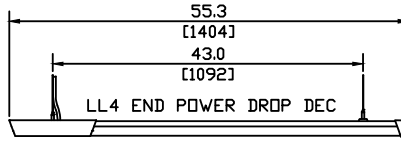| Projected LED Life	L90	L80	L70
Hours	44K	92K	150K

Values are projections based on TM-21 and at 25C Ambient.

PALLET DIMENSIONS

Length/ configuration	Fixtures per pallet	Pallet Dims (L X W)
4ft	84	50X51
8ft CPD	42	51X51
8ft EPD	56	50X102
16ft CPD, EPD	56	50X102

FIXTURE WEIGHTS

Length	Weight
4ft	6lbs
8ft	8lbs
16ft	12lbs

55.3
[1404]
43.0
[1092]
LL4 END POWER DROP DEC

64.6
[1641]
52.6
[1335]
LL4 END POWER DROP DEM

98.5
[2502]
43.0   43.0
[1092]   [1092]
LL8 CENTER POWER DROP

103.3
[2624]
91.0
[2311]
LL8 END POWER DROP DEC

112.6
[2860]
100.6
[2554]
LL8 END POWER DROP DEM

194.5
[4941]
91.0   91.0
[2311]   [2311]
LL16 CENTER POWER DROP

206.6
[5247]
73.2   48.0   73.2
[1861]   [1220]   [1861]
LL16 END POWER DROP DEM

LITHONIA LIGHTING®

CONFIGURATIONS:

ZT / SLD / EZTR / EZCR

EZTB / EZCB

LL4 EPD DEM

LL4 EPD DEC

LL8 CPD

LL8 EPD DEM

LL8 EPD DEC

LL16 CPD

LL16 EPD DEM