

1400 PROFILE



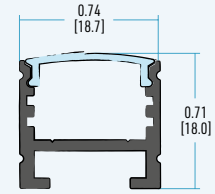
Scale 1:1



The 1400 series is a rectangular and flangeless profile with a sleek and minimalist design. Integrate into different types of walls or ceilings, or recess within a flangeless drywall system for clean lines of light. The 1400 series offers a wide selection of lenses, mounting options, and LED platforms to choose from for a beautifully finished luminaire with end caps.

PRODUCT FEATURES

- A channel for wire management, secure connections between channels, and pattern assembly
- Recessed flangeless installation with the Gypsum Groove drywall insert
- Motion sensor ready for static white and warm dim options
- Recess into millwork using standard woodworking tools for a 0.75 in. (19 mm) groove
- Mounting hardware for peace of mind integration
- Custom lengths with precision to $\frac{1}{16}$ (0.0625) inches
- Internal groove guide for easy application of LED strip when field installation is needed
- A selection of lenses to meet task at hand
- Aluminum construction for superior heat dissipation
- UL 2108 listed - Suitable for storage and closet areas



Scale 1:1

LINEAR WEIGHT

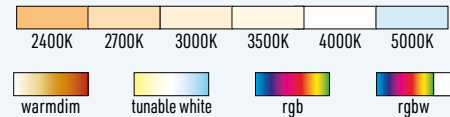
0.154 lbs / ft
0.229 kg / m

MAXIMUM LED STRIP WIDTH

DRY: 9 / 16 " DAMP: 3 / 8 "
DRY: 14 mm DAMP: 10 mm

*Extrusion only

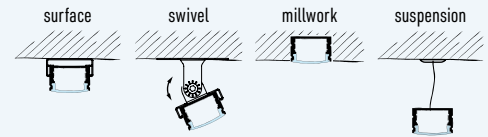
LED TAPE COMPATIBILITY



CHANNEL COLOR OPTIONS



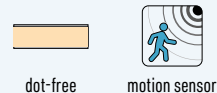
MOUNTING



LOCATION RATING



OTHER OPTIONS



USEFUL LINKS



[MAXIMUM LED RUN CHART PER DRIVER](#)



[VOLTAGE DROP CHART](#)



[INSTALLATION SHEET](#)



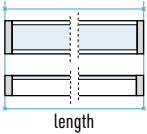
[BULK PARTS LIST](#)

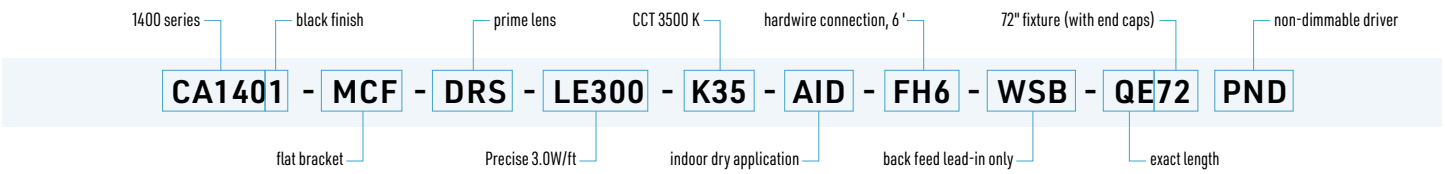


[IES FILES](#)

1 Finish	2 Mounting	3 Optics	4 Lumen Package	5 CCT	6 Application	7 Power Feed	8 Input / Output	9 Exact / Optimal	10 Length, in	11 Driver Type
-	-	-	-	-	-	-	-	-	-	-

1 PROFILE & FINISH	2 MOUNTING	3 OPTICS	4 LUMEN PACKAGE	5 CCT	6 APPLICATION
CA1400 - Anodized aluminum finish CA1401 - Anodized black finish CA140W - White (special order) CA140X - Custom color provide RAL #	MCO - Phantom bracket MCF - Flat surface bracket MC3 - 45° Corner bracket MCB - Swivel 180° MIG - Magnet M11 - Surface 1-side bracket M12 - Surface 2-side bracket M13 - Surface 90° bracket M14 - Surface 45° bracket MSCN - Suspension kit, no canopy MSCO - Suspension kit, alu. canopy MSC1 - Suspension kit, black canopy MSC2 - Suspension kit, white canopy MNO - No mounting	DCS - Clear lens DXS - Optiflex lens DOS - Opal lens DRS - Prime lens DBS - Black lens DSS - Silens DODS - 3D Opal drop square lens DNO - No lens	LP100 - 1.5 W/ft - >130 lm/ft LP200 - 2.9 W/ft - >200 lm/ft LP300 - 4.4 W/ft - >300 lm/ft LP450 - 5.8 W/ft - >450 lm/ft PRECISE LE150 - 1.5 W/ft - >150 lm/ft LE300 - 3.0 W/ft - >300 lm/ft NEAT LT150† - 2.0 W/ft - >150 lm/ft LT300† - 3.0 W/ft - >300 lm/ft LW2229 - WARMDIM 2200-2900K - 4.4 W/ft - 192 lm/ft LW2735 - WARMDIM 2700-3500K - 4.4 W/ft - 202 lm/ft LWC2230 - WARMDIM COB 2200-3000K - 4.4 W/ft - 323 lm/ft	K24 - 2400K K27 - 2700K K30 - 3000K K35 - 3500K K40 - 4000K K50 - 5000K	AID - Indoor dry locations AIW - Indoor wet locations For wet location applications, LED strip will be put inside a waterproof silicone sheath. †AIW option is not available for this selection

7 POWER FEED	8 INPUT / OUTPUT	9 EXACT/OPTIMAL	10 LENGTH*	11 DRIVER TYPE
FH3 - Hardwire, 3ft wire FH6 - Hardwire, 6ft wire FH9 - Hardwire, 9ft wire FHX - Hardwire, custom length wire FC3 - DC plug, 3ft wire FC6 - DC plug, 6ft wire FC9 - DC plug, 9ft wire FCX - DC plug, custom length wire FS15 - Suspension coaxial wire, 15ft	WSE - Simple lead-in, end feed WSB - Simple lead-in, back feed WPE - Pass-through, end feed WPB - Pass-through, back feed	QE - Exact QO - Optimal Exact - length specified in section 10 with end caps without flanges. Optimal - length specified in section 10, rounded down to the closest LED cut section to minimize dark spots.	Length of the luminaire in inches. *Includes end caps, excludes flanges (when applicable). 	PND - Non-dimmable PO10 - 0-10V dimming PPH - Phase (ELV / MLV) dimming P5i1 - 5-in-1 (Phase / 0-10V) dimming PDAL - DALI compatible driver PDMX - DMX driver PNO - No driver

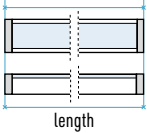


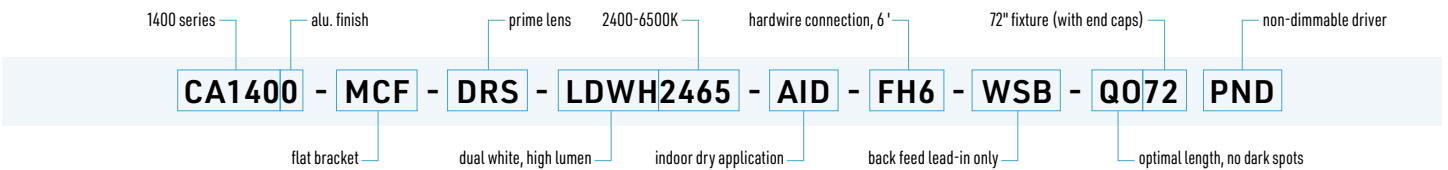
ACCESSORIES (OPTIONAL)	
GYPSUM GROOVES	Quantity
CG14012 - Gypsum groove, 1/2", 4'	
CG14058 - Gypsum groove, 5/8", 4'	

ACCESSORIES (OPTIONAL)		
MOTION SENSORS*	Quantity	Note
SI05 - 30 sec., embedded		*All sensors are for dry location applications and are only compatible with non-dimmable drivers (PND)
SE05 - 30 sec., external		
SI4 - 4 min., embedded		
SE4 - 4 min., external		
SIP - proximity motion sensor		

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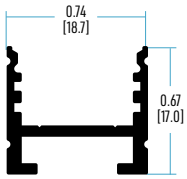
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ACCESSORIES (OPTIONAL)	
GYPSUM GROOVES	Quantity
CG14012 - Gypsum groove, 1/2", 4'	
CG14058 - Gypsum groove, 5/8", 4'	

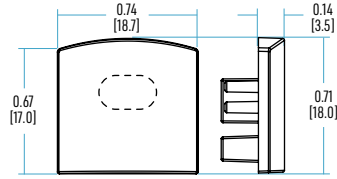
PROFILE

1400

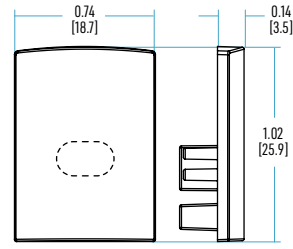


END CAPS

REGULAR



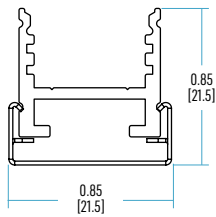
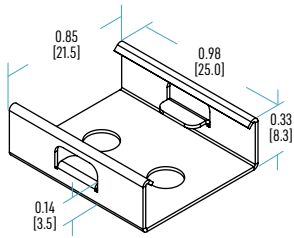
3D



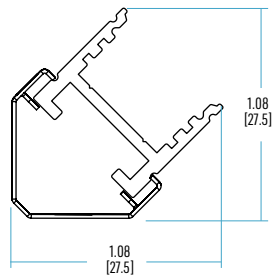
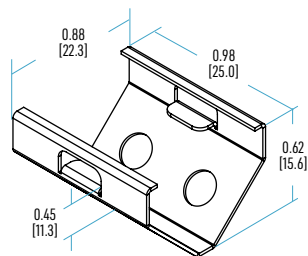
3 - MOUNTING HARDWARE DIMENSIONS

CLIP-IN BRACKETS (stainless steel)

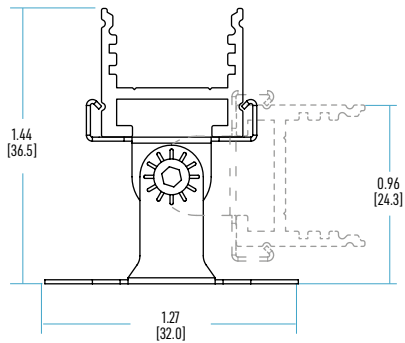
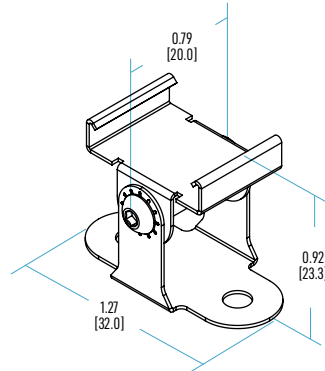
MCF - FLAT BRACKET



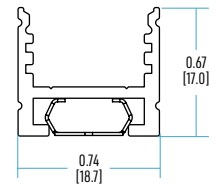
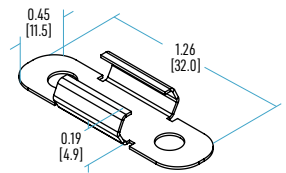
MC3 - 45° CORNER BRACKET



MC8 - SWIVEL 180° BRACKET



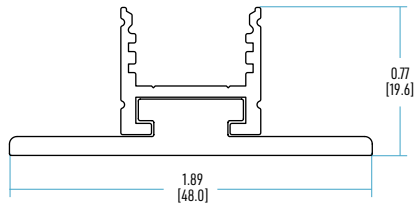
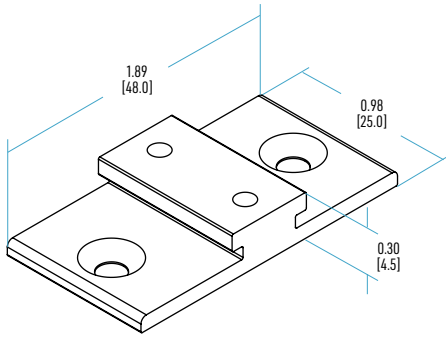
MCO - PHANTOM BRACKET



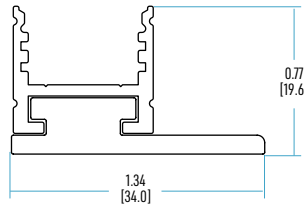
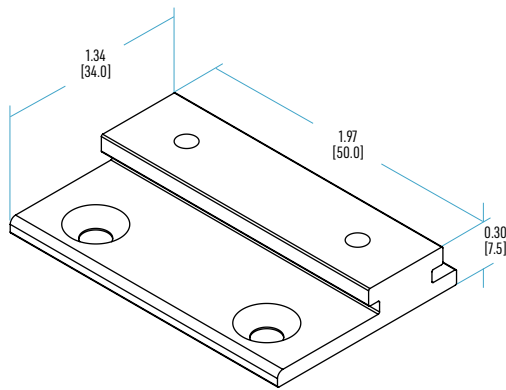
Scale 1:1

SLIDE-IN BRACKETS (extruded aluminum)

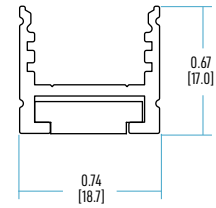
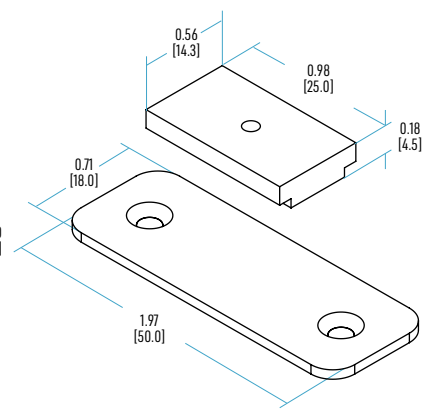
MI2 - SURFACE 2-SIDE BRACKET



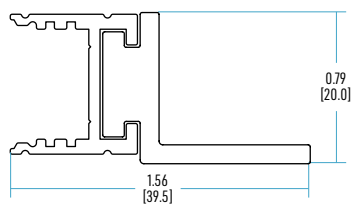
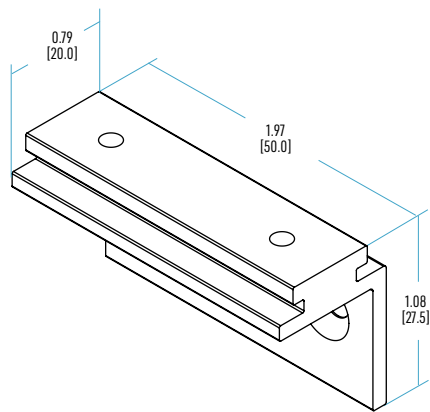
MI1 - SURFACE 1-SIDE BRACKET



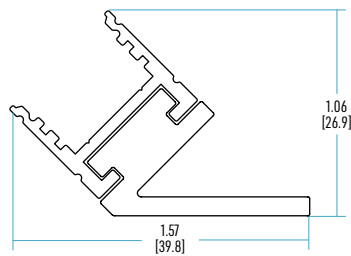
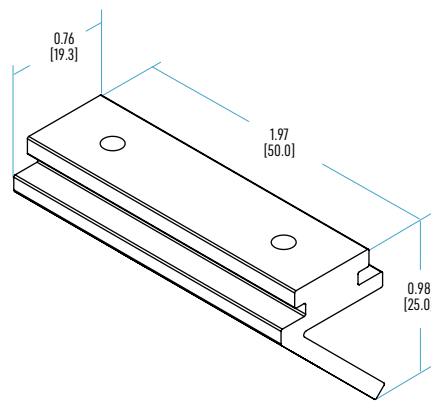
MIG - MAGNETIC BRACKET



MI3 - SURFACE 90° BRACKET



MI4 - SURFACE 45° BRACKET



Scale 1:1

LED TAPE AND OPTICS CHART

@ FULL LIGHT OUTPUT

	LP100	LP200	LP300	LP450	LP750	LW2229	LW2735	LDWM	LDWH	LRGBLD	LRGBMD	LRGB30		
LED tape color type														
CCT Range	2400K 2700K 3000K 3500K 4000K					2200K to 2900K	2700K to 3500K	2400K to 6500K	2400K to 6500K	RGB	RGB	RGBW 3000K		
Power	4.8 W/m 1.5 W/ft	9.6 W/m 3.0 W/ft	14.5 W/m 4.4 W/ft	19.2 W/m 5.8 W/ft	23 W/m 7.0 W/ft	14.5 W/m 4.4 W/ft	14.5 W/m 4.4 W/ft	11.5 W/m 3.5 W/ft	19.2 W/m 5.8 W/ft	14.5 W/m 4.4 W/ft	19.2 W/m 5.8 W/ft	14.5 W/m 4.4 W/ft		
Efficacy	91 lm/W	81 lm/W	76 lm/W	84 lm/W	95 lm/W	< 44 lm/W	< 46 lm/W	74 lm/W	74 lm/W	-	-	-		
CRI	90+	90+	90+	90+	95+	90+	90+	90+	90+	-	-	80+	DOT-FREE 	
R9	60+	60+	60+	60+	65+	60+*	60+*	60+*	60+*	-	-	-	VISIBLE DOTS 	
Available in IP68 option (silicone sleeve)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		
LED tape increment	50 mm 1.97 in	50 mm 1.97 in	33 mm 1.30 in	25 mm 0.98 in	33 mm 1.30 in	50 mm 1.97 in	50 mm 1.97 in	50 mm 1.97 in	50 mm 1.97 in	100 mm 3.94 in	63 mm 2.48 in	100 mm 3.94 in		
Quantity of LED chips	120 LED/m 36 LED/ft	120 LED/m 36 LED/ft	180 LED/m 54 LED/ft	240 LED/m 73 LED/ft	240 LED/m 73 LED/ft	240 LED/m 73 LED/ft	240 LED/m 73 LED/ft	240 LED/m 73 LED/ft	240 LED/m 73 LED/ft	60 LED/m 18 LED/ft	112 LED/m 34 LED/ft	60 LED/m 18 LED/ft		
LED tape width	8 mm 0.31 in	8 mm 0.31 in	8 mm 0.31 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	10 mm 0.39 in	12 mm 0.47 in		
Closet Rated					X									
Compatible with water-proof sheath												X		
Spec sheet														
LENS	BEAM					*At higher CCT value		*At higher CCT value					Tested with LP450	
DBS - black	Disappears on dark surfaces when turned off.	59 lm/ft	89 lm/ft	144 lm/ft	207 lm/ft	337 lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	rgb	rgb	xx lm/ft	
DSS - silens	No dots, suitable for direct view, and a continuous lens up to 10M (33ft).	64 lm/ft	100 lm/ft	156 lm/ft	217 lm/ft	370 lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	rgb	rgb	xx lm/ft	
DOS - opal	No dots, and suitable for direct view.	74 lm/ft	117 lm/ft	179 lm/ft	259 lm/ft	421 lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	rgb	rgb	xx lm/ft	
DRS - prime	Best light output for direct view with higher lumen packages.	100 lm/ft	158 lm/ft	239 lm/ft	342 lm/ft	559 lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	rgb	rgb	xx lm/ft	
DXS - optiflex	Eliminates shadows, best light output for indirect view.	116 lm/ft	183 lm/ft	281 lm/ft	389 lm/ft	649 lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	xx lm/ft	rgb	rgb	xx lm/ft	
DCS - clear	The highest light output for indirect view.	136 lm/ft	213 lm/ft	326 lm/ft	448 lm/ft	745 lm/ft	<192 lm/ft	<202 lm/ft	<260 lm/ft	<427 lm/ft	rgb	rgb	107 lm/ft	

Lumen output tested at 4000K. Use this table to calculate lumen output for different CCTs.

2400K - 0.89	2700K - 0.91	3000K - 0.95	3500K - 0.96	4000K - 1.00	6200K - 1.07
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LUMINOSITY CALCULATION EXAMPLE:

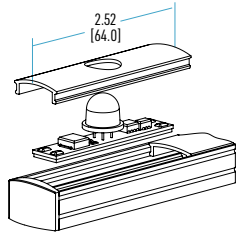
According to the above table LP750 lumen package with DRS (prime) lens for CCT 4000K has luminosity of 559 lm/ft at CCT 3000K lumen output is 559 lm/ft * 0.95 = 531 lm/ft

IES FILES

for other CCTs peak candella



SI05 / SI4 / SIP - INTEGRATED

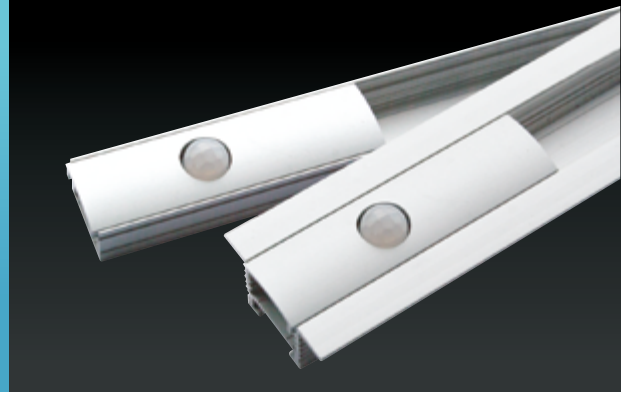


- All motion sensors can only be used with non-dimmable power supplies
- Max 36W / 12V or 72W / 24V
- Compatible only with indoor dry applications

LUMENSENS

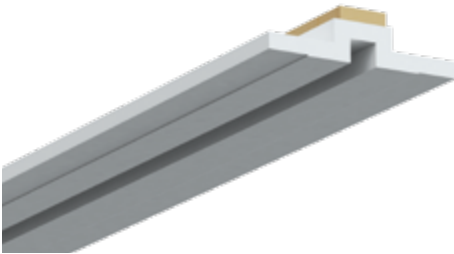
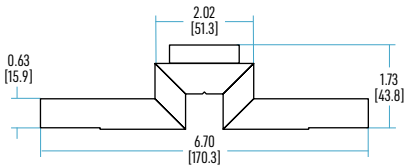
MOTION SENSOR

30 sec. and 4 min. options.
Compatible with 1200, 1300,
1400, 1500, 1650 & 1690.

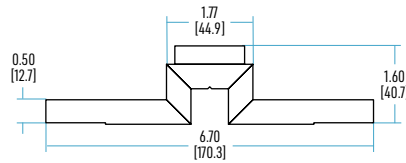


12 - GYPSUM GROOVE, 4' - DRYWALL FORMS (TO BE ORDERED SEPARATELY)

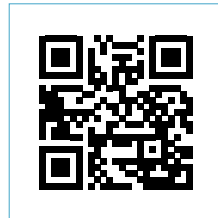
CG14058 - for 1400 Series, 4', fits with 5/8" drywall pannels



CG14012 - for 1400 Series, 4', fits with 1/2" drywall pannels



[SPEC SHEET](#)



[INSTALLATION SHEET](#)

CODE	LED TYPE	POWER SUPPLY NUMBER	POWER	CHANNELS	DIMM. PROTOCOL	DIMM. RANGE	INPUT	OUTPUT	LOCATION	DIMENSIONS	CERT.	SPECS
PND	Single Color Dual White RGB RGBW	LTPS-NODIM-100277VAC-CV-24V-96W-HW-DRBX	96W	N/A	No dimming	N/A	Hardwire	Hardwire	Dry, Damp, Wet	220 x 95 x 40mm	cULus	link
		LTPS-CV-120-24-1000mA-24W-PG	24W				Plug-in	DC plug	Dry	61.4 x 37.4 x 29.4mm	cETLus	link
		LTPS-CV-120-24-2500mA-60W-PG	60W				Plug-in	DC plug	Dry	116.5 x 51.7 x 35mm	cETLus	link
		LTPS-CV-120-24-4A-96W-BK-PG	96W				Plug-in	DC plug	Dry	154 x 62 x 38mm	cULus	link
PPH	Single Color Warm Dim	MINI-60W-120V-24V-PH-DRBX-BK	60W	N/A	ELV MLV TRIAC	0% - 100%	Enclosed	Enclosed	Dry, Damp, Wet	127 x 82 x 41.8mm	cULus	link
		MINI-96W-120V-24V-PH-DRBX-BK	96W				Enclosed	Enclosed	Dry, Damp, Wet	127 x 82 x 41.8mm	cULus	
P5ii	Single Color WarmDim	LTE-30W-UNV-24VAO-PH010-BK	30W	N/A	ELV MLV TRIAC 0-10V 1-10V	0.1% - 100%	Enclosed	Enclosed	Dry, Damp, Wet	170.5 x 116.5 x 42mm	cULus	link
		LTE-60W-UNV-24VAO-PH010-BK	60W				Enclosed	Enclosed	Dry, Damp, Wet	196.5 x 103.4 x 40mm	cULus	
		LTE-96W-UNV-24VAO-PH010-BK	96W				Enclosed	Enclosed	Dry, Damp, Wet	196.5 x 103.4 x 40mm	cULus	
		LTE-192W-UNV-24VAO-PH010-BK	192W				Enclosed	Enclosed	Dry, Damp, Wet	232 x 116 x 40mm	cULus	
		LTE-288W-UNV-24VAO-PH010-BK	288W				Enclosed	Enclosed	Dry, Damp, Wet	275 x 116 x 40mm	cULus	
PDMX	Single Color WarmDim RGB RGBW	LTX-100W-UNV-24VAO-DMX-3-BK	100W	3 Channels	DMX	0.1% - 100%	Enclosed	Enclosed	Dry, Damp, Wet	241 x 125 x 42.7mm	cULus	link
		LTX-100W-UNV-24VAO-DMX-5-BK	100W	5 Channels			Enclosed	Enclosed	Dry, Damp, Wet	241 x 125 x 42.7mm	cULus	

A Class 2 LED driver is designed to deliver a limited amount of electrical power to LED lighting fixtures. It refers to a set of safety standards established by the Canadian Electric Code (CEC) and the National Electrical Code (NEC), which governs the use of low-voltage power sources in buildings.

Class 2 LED drivers are important because they provide a safe and reliable power source for LED lighting systems. These drivers are designed to limit the amount of electrical current and voltage that is delivered to the LED fixtures, which helps to prevent electrical shock hazards and minimize the risk of fire or other electrical hazards.

Additionally, Class 2 LED drivers are typically more energy-efficient than other types of power supplies, which can help to reduce energy consumption and lower operating costs for LED lighting systems.