1300 PROFILE

Scale 1:1

1.03 [26.2]

0.38 [9.7]

0.49 [12.5]

0.74 [18.7]

Scale 1:1

LINEAR WEIGHT	MAXIMUM LED STRIP WIDTH	
0.115 lbs / ft	DRY: 9 / 16 "	DAMP: 3 / 8 "
0.171 kg / m	DRY: 14 mm	DAMP: 10 mm

LED TAPE COMPATIBILITY

2400K	2700K	3000K	3500K	4000K	5300K	6200K

warmdim   tunable white   rgb   rgbw

CHANNEL COLOR OPTIONS

aluminum anodized   black anodized   white painted   custom RAL color

MOUNTING

millwork

LOCATION RATING

dry   damp

OTHER OPTIONS

dot-free   motion sensor

---

c UL us E491159   **c UL us** E491159   **5 YEARS WARRANTY**   **MADE IN NORTH AMERICA**   **LOW CARBON FOOTPRINT**   **DAMP RATED**   **CLOSET RATED**

The 1300 series is a flanged and rectangular profile designed for a recessed linear lighting installation. The 1300 series offers a wide selection of lenses, and LED platforms to choose from for a beautifully finished luminaire with end caps.

PRODUCT FEATURES

- 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
- Stainless steel mounting hardware for integration into most surfaces
- Custom lengths with precision to $1/16$ (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

SUGGESTED APPLICATIONS

- Shelf
- Above cabinet
- Under cabinet
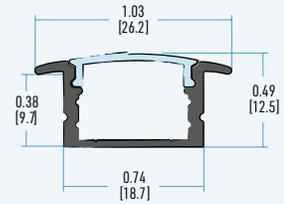
USEFUL LINKS

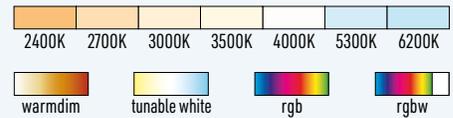INSTALLATION SHEET   BULK PARTS LIST   IES FILES   MAXIMUM LED RUN CHART PER DRIVER   VOLTAGE DROP CHART

1	2	3	4	5	6	7	8	9	10	11	12
Profile	Fisnish	Mounting	Optics	Lumen Package	CCT	Application	Power Feed	Input / Output	Exact / Optimal	Length, in	Sensor
CA13	-	-	-	-	-	-	-	-	-	-	-

1	PROFILE
CA13	

2 FINISH

- **0** - Anodized aluminum finish
- **1** - Anodized black finish
- **2** - Painted white finish
- **X** - Custom color provide RAL #

3 MOUNTING

- **MC11** - Flat surface bracket
- **MC12** - 45° Corner bracket
- **MC18** - Swivel 180°
- **M3M** - Double face mounting tape
- **MN0** - No mounting

4 OPTICS

- **DC10** - Clear lens
- **DX10** - Optiflex lens
- **DO10** - Opal lens
- **DR10** - Prime lens
- **DB10** - Black lens
- **DS10** - Silens
- **DN0** - No lens

5 LUMEN PACKAGE

- **LP1** - 1.5 W/ft
- **LP2** - 3.0 W/ft
- **LP3** - 4.4 W/ft
- **LP4** - 5.8 W/ft

- **LPH** - 7.0 W/ft

6 CCT

- **K24** - 2400K
- **K27** - 2700K
- **K30** - 3000K
- **K35** - 3500K
- **K40** - 4000K
- **K62** - 6200K

- **K24** - 2400K
- **K27** - 2700K
- **K30** - 3000K
- **K35** - 3500K
- **K40** - 4000K
- **K53** - 5300K

7 APPLICATION

- **AID** - Indoor dry locations
- **AIM** - Indoor damp locations

For damp location applications, LED strip will be put inside a waterproof silicone sleeve.

8 POWER FEED

- **FH3** - Hardwire, 3ft wire
- **FH6** - Hardwire, 6ft wire
- **FH9** - Hardwire, 9ft wire
- **FHX** - Hardwire, custom length wire

9 INPUT / OUTPUT

- **WSB** - Simple lead-in, back feed
- **WPB** - Pass-through, back feed

10 EXACT/OPTIMAL

- **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.

11 LENGTH*

Length of the luminaire in inches.

Includes end caps, excludes flanges (when applicable).

no flange

flange

length

12 MOTION SENSORS

- **SI05** - 30 sec., embedded
- **SE05** - 30 sec., external
- **SI4** - 4 min., embedded
- **SE4** - 4 min., external
- **SIP** - embedded proximity hand motion sensor
- **SN0** - No sensor

All motion sensors can only be used with non-dimmable power supplies

- Max 36W / 12V or 72W / 24V

- Compatible only with indoor dry applications

---

130 series — flat bracket — black finish — prime lens — 5.8W/ft — CCT 3500 K — indoor dry application — hardwire connection, 6 ' — back feed lead-in only — 72" fixture (with end caps) — optimal length, no dark spots — embedded 4 min. sensor

CA131 - **MC11** - **DR10** - **LP4** - **K35** - **AID** - **FH6** - **WSB** - **QO** - **72** - **SI4**
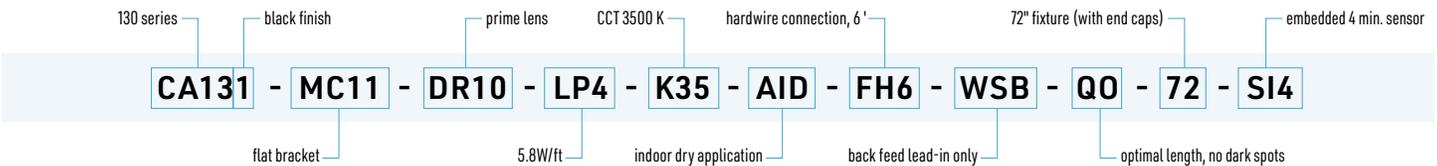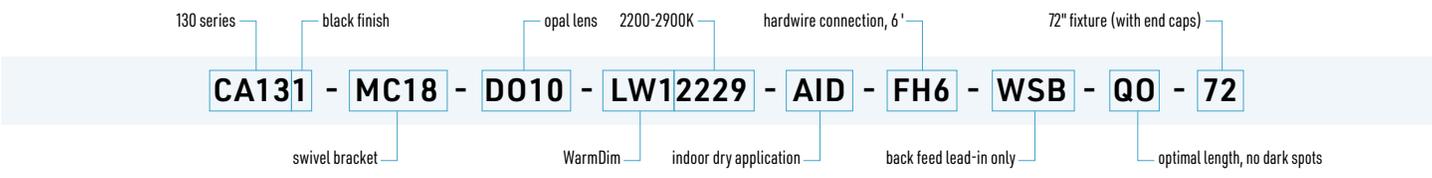

WARMDIM ORDERING SHEET

1 Profile	2 Finish	3 Mounting	4 Optics	5 Lumen Package	6 CCT	7 Application	8 Power Feed	9 Input / Output	10 Exact / Optimal	11 Length, in
CA13	-	-	-	-	-	-	-	-	-	-

1 PROFILE

CA13

2 FINISH

0 - Anodized aluminum finish

1 - Anodized black finish

2 - Painted white finish

X - Custom color
provide RAL #

3 MOUNTING

MC11 - Flat surface bracket

MC12 - 45° Corner bracket

MC18 - Swivel 180°

M3M - Double face mounting tape

MNO - No mounting

4 OPTICS

DC10 - Clear lens

DX10 - Optiflex lens

DO10 - Opal lens

DR10 - Prime lens

DB10 - Black lens

DS10 - Silens

DNO - No lens

5 LUMEN PACKAGE

LW1 - WARMDIM - 4.4 W/ft

LW3 - WARMDIM - 4.4 W/ft

6 CCT

▶ **2229** - 2200-2900K

▶ **2735** - 2700-3500K

7 APPLICATION

AID - Indoor dry locations

AIM - Indoor damp locations

For damp location applications, LED strip will be put inside a waterproof silicone sleeve.

8 POWER FEED

FH3 - Hardwire, 3ft wire

FH6 - Hardwire, 6ft wire

FH9 - Hardwire, 9ft wire

FHX - Hardwire, custom length wire

9 INPUT / OUTPUT

WSB - Simple lead-in, back feed

WPB - Pass-through, back feed

10 EXACT/OPTIMAL

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.

11 LENGTH*

Length of the luminaire in inches.
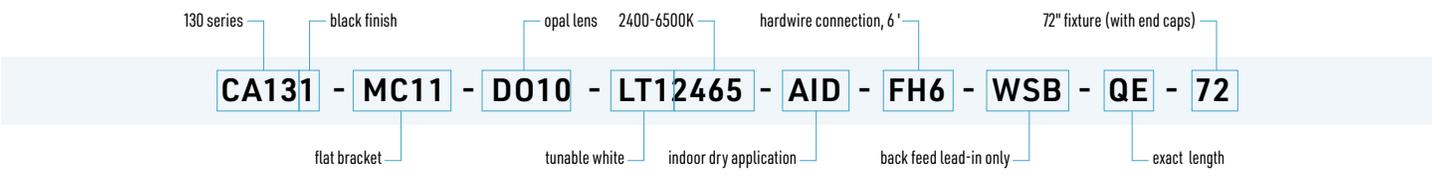
Includes end caps, excludes flanges (when applicable).

no flange — flange — length

---

130 series	black finish	opal lens	2200-2900K	hardwire connection, 6 '	72" fixture (with end caps)

CA131 - **MC18** - **DO10** - **LW12229** - **AID** - **FH6** - **WSB** - **QO** - **72**

swivel bracket	WarmDim	indoor dry application	back feed lead-in only	optimal length, no dark spots

TUNABLE WHITE / RGB / RGBW ORDERING SHEET

1 Profile	2 Fisnish	3 Mounting	4 Optics	5 Lumen Package	6 CCT	7 Application	8 Power Feed	9 Input / Output	10 Exact / Optimal	11 Length, in
CA13	-	-	-	-	-	AID	-	-	-	-

1 PROFILE
CA13

2 FINISH
0 - Anodized aluminum finish
1 - Anodized black finish
2 - Painted white finish
X - Custom color provide RAL #

3 MOUNTING
MC11 - Flat surface bracket
MC12 - 45° Corner bracket
MC18 - Swivel 180°
M3M - Double face mounting tape
MN0 - No mounting

4 OPTICS
DC10 - Clear lens
DX10 - Optiflex lens
DO10 - Opal lens
DR10 - Prime lens
DB10 - Black lens
DS10 - Silens
DN0 - No lens

5 LUMEN PACKAGE
LT1 - Tunable - 3.5 W/ft
LT2 - Tunable - 5.8 W/ft
LR1 - RGB - 4.4 W/ft
LR2 - RGB - 5.8 W/ft
LA2 - RGBW 4 in 1 - 4.4 W/ft

6 CCT
2465 - 2400-6500K
N/A
3000 - 3000K

7 APPLICATION
AID - Indoor dry locations

8 POWER FEED
FH3 - Hardwire, 3ft wire
FH6 - Hardwire, 6ft wire
FH9 - Hardwire, 9ft wire
FHX - Hardwire, custom length wire

9 INPUT / OUTPUT
WSB - Simple lead-in, back feed
WPB - Pass-through, back feed

10 EXACT/OPTIMAL
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.

11 LENGTH*

Length of the luminaire in inches.

Includes end caps, excludes flanges (when applicable).

no flange / flange / length

---

130 series — black finish — opal lens — 2400-6500K — hardwire connection, 6 ' — 72" fixture (with end caps)

CA131 - MC11 - DO10 - LT12465 - AID - FH6 - WSB - QE - 72

flat bracket — tunable white — indoor dry application — back feed lead-in only — exact length

lumentruss

1 - PROFILE DIMENSIONS

PROFILE

1300

1.03
[26.2]

0.38
[9.7]

0.45
[11.5]

0.74
[18.7]

END CAPS

REGULAR

1.04
[26.5]

0.38
[9.7]

0.74
[18.7]

0.30
[7.5]

0.51
[13.1]

0.16
[4.0]
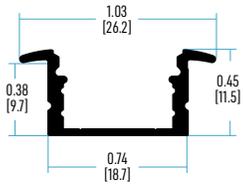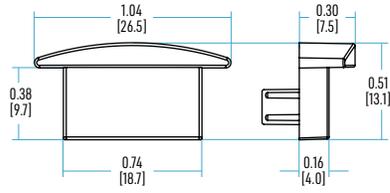
3 - MOUNTING HARDWARE DIMENSIONS

MCFL - FLAT BRACKET (stainless steel)

0.85
[21.5]

0.98
[25.0]

0.33
[8.3]

0.14
[3.5]

0.63
[16.0]

0.85
[21.5]
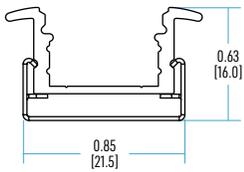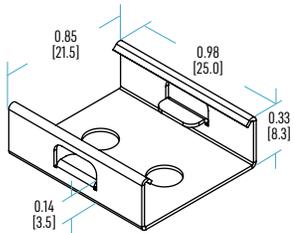
Scale 1:1

LED TAPE AND OPTICS CHART
@ FULL LIGHT OUTPUT

		LP1	LP2	LP3	LP4	LPH	LW1	LW3	LT1	LT2	LR1	LR2	LA2
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
		6200K				5300K							
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+
R9		60+	60+	60+	60+	65+	60+*	60+*	60+*	60+*	-	-	-
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
Spec sheet		🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗

DOT-FREE

VISIBLE DOTS

LENS	BEAM						*At higher CCT value		*At higher CCT value				Tested with LP4
LBK - black Disappears on dark surfaces when turned off.	86°	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	98 cd
LSI - silens No dots, suitable for direct view, and a continuous lens up to 10M (33ft).	113°	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	73 cd
LOP - opal No dots, and suitable for direct view.	114°	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	88 cd
LPR - prime Best light output for direct view with higher lumen packages.	104°	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	127 cd
LOX - optiflex Eliminates shadows, best light output for indirect view.	90°	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	173 cd
LCL - clear The highest light output for indirect view.	106°	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	181 cd

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**

LUMINOSITY CALCULATION EXAMPLE:
According to the above table **LPH** lumen package with **LPR** (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

FH3 / FH6 / FH9 / FHX - HARDWIRE

FH3 - Hardwire, 3ft wire   **FH9** - Hardwire, 9ft wire

FH6 - Hardwire, 6ft wire   **FHX** - Hardwire, custom length wire

Static white / Warmdim TEW 22 AWG   **Tunable White**

0.19 [4.8]   0.09 [2.4]   0.21 [5.3]   0.07 [1.7]

Static white / Warmdim TR64 22 AWG   **RGB**

0.13 [3.3]   0.06 [1.6]   0.25 [6.3]   0.06 [1.6]

Static white / Warmdim IP68 (FT4)   **RGBW**

0.20 [5.2]   0.20 [5.2]   0.17 [4.3]   0.17 [4.3]

1300 SIMPLE LEAD (ONE SIDE)
WSB - Back feed

WSB

1300 PASS-THROUGH (TWO SIDES)
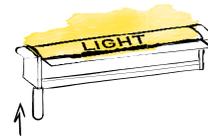**WPB** - Back feed

WPB
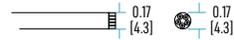
ORDERING CODE EXAMPLES

130 series — hardwire connection, 3 ' — back feed pass-through

130X - **XX** - **XX** - **XXXXX** - **XXX** - **FH3** - **WPB** - **XX** - **X**

130 series — hardwire connection, 6 ' — back feed simple

130X - **XX** - **XX** - **XXXXX** - **XXX** - **FH6** - **WSB** - **XX** - **X**

FH3 - 3ft hardwire intput   **FH3** - 3ft hardwire output

WPE - pass-through (input and output) end feed

FH6 - 6ft hardwire intput

WSB - simple (input only) back feed
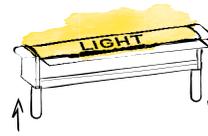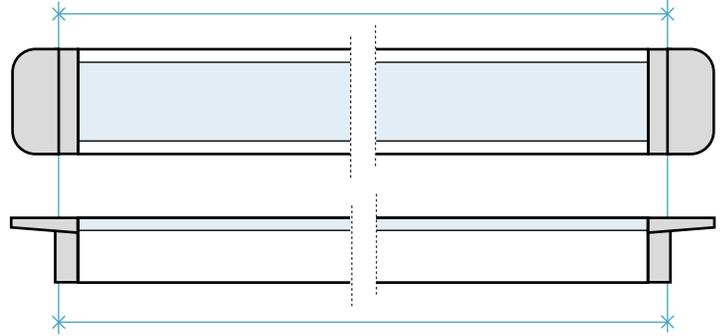
Ordering length includes the thickness of end caps and excludes flanges (where applicable).
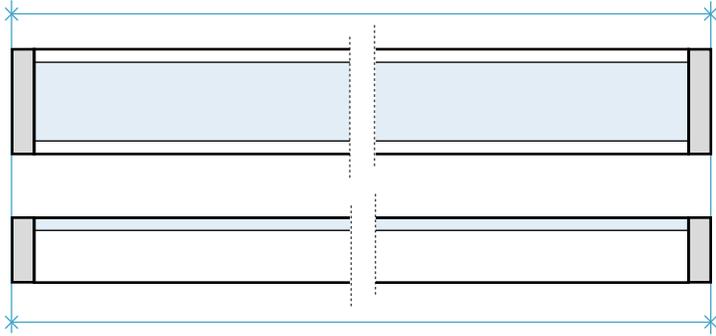
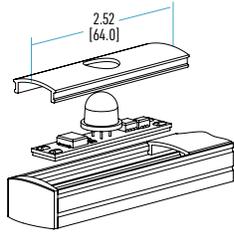Ordering length for a luminaire with no-flange end caps

Ordering length for a luminaire with flanged end caps

SEI05 / SEI4 / SEIP - INTEGRATED

2.52
[64.0]

- 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.

CLASS 2 POWER SUPPLIES 24V

Class 2 CE FC RoHS 2002/95/EC

DRIVER	LED TYPE	POWER	DIMM. PROTOCOL	DIMM. RANGE	INPUT	OUTPUT	LOCATION	DIMENSIONS	CERT.	SPECS	CONTROLLER
A	Single Color Tunable White RGB RGBW	96W	No dimming	N/A	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.74" x 1.57" 220mm x 95mm x 40mm	cULus	🔗	F, J
E		24W			Plug-in	DC plug	Dry	2.42" x 1.47" x 1.16" 61.4mm x 37.4mm x 29.4mm	cETLus	🔗	
E		60W			Plug-in	DC plug	Dry	4.59" x 2.04" x 1.38" 116.5mm x 51.7mm x 35mm	cETLus	🔗	
E		96W			Plug-in	DC plug	Dry	6.06" x 2.44" x 1.50" 154mm x 62mm x 38mm	cULus	🔗	
B	Single Color WarmDim	25W	ELV MLV TRIAC	0.1% - 100%	Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus	🔗	K
B		50W			Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus	🔗	
B		96W			Hardwire	Hardwire	Dry, Damp, Wet	14.96" x 3.03" x 2.24" 380mm x 77mm x 57mm	cETLus	🔗	
C		96W			Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus	🔗	
D	Single Color WarmDim	96W	0 - 10V	0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus	🔗	I
G	Single Color	96W			Hardwire	Hardwire	Dry	10.51" x 5.51" x 2.01" 267mm x 140mm x 51mm	cULus	🔗	
H	Single Color WarmDim	2 x 96W	TRIAC PHASE-CUT 0-10V	0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	10.95" x 4.33" x 1.91" 278mm x 110mm x 49mm	cULus	🔗	I, K
H		3 x 96W			Hardwire	Hardwire	Dry, Damp, Wet	11.93" x 4.33" x 1.91" 303mm x 110mm x 49mm	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.

CONTROLLERS

CONTROLLER	LED TYPE	INPUT POWER	MAX POWER	CHANNELS	DIMMING PROTOCOL	DIMENSIONS	CERT.	SPECS	DRIVER
F - DMX	Single Color Tunable White RGB RGBW				DMX512				A, E
J - Casambi CBU-PWM4-4CH-Bluetooth 100/277 VAC		12 - 24VDC	96W @ 24VDC 48W @ 12VDC	4	Pulse Width Modulation (PWM)	2.20" x 1.20" x 0.70" 72.6mm x 30mm x 18mm	cULus	🔗	
K - Casambi CBU-TED-CV-Trail edge dim-Bluetooth	Single Color	120VAC	50W	2	Trailing-edge phase control	1.60" x 1.45" x 0.55" 40.4mm x 36.3mm x 14mm	cULus	🔗	B, C, H
I - Casambi CBU-A2D-0/10V-DALI-Bluetooth	Single Color Tunable White	100-277VAC	N/A	1	0-10V / DALI	3.00" x 1.00" x 0.90" 76mm x 26mm x 23mm	cULus	🔗	D, G, H