⌐ 1100 PROFILE

Scale 1:1

0.74 [18.7]
0.28 [7.0]

Scale 1:1

LINEAR WEIGHT	MAXIMUM LED STRIP WIDTH
0.060 lbs / ft	DRY: 9 / 16 "
0.089 kg / m	DRY: 14 mm

LED TAPE COMPATIBILITY

2400K	2700K	3000K	3500K	4000K	5000K

warmdim	tunable white	rgb	rgbw

CHANNEL COLOR OPTIONS

aluminum anodized	black anodized	custom RAL color

MOUNTING

surface	swivel	millwork	corner
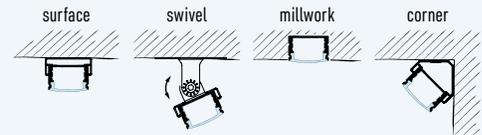
LOCATION RATING

dry

OTHER OPTIONS

dot-free

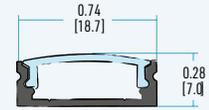E491159 · E491159 · 5 YEARS WARRANTY · MADE IN NORTH AMERICA · LOW CARBON FOOTPRINT · CLOSET RATED

The 1100 series is a shallow, rectangular, and flangeless profile. It is designed to be discrete and integrates into most surfaces. The 1100 series offers a wide selection of lenses, and LED platforms to choose from for a beautifully finished luminaire with end caps.

PRODUCT FEATURES

- Recess into millwork using standard woodworking tools for a 0.75 in. (19 mm) groove
- Stainless steel mounting hardware for peace of mind integration
- 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
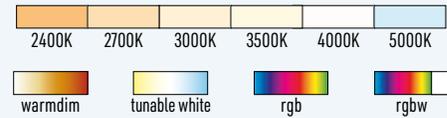- UL 2108 listed - Suitable for storage and closet areas

USEFUL LINKS

MAXIMUM LED RUN CHART PER DRIVER

VOLTAGE DROP CHART

INSTALLATION SHEET

IES FILES

UNDER SHELF 45° ANGLE

Mount the channel behind a valence at a 45 degree angle to keep it and the light source hidden from direct view.

Code e.g.: CA1101-**MC3**-DRS-LE200-K27-AID-FH6-WSB-QE60 PND

COVE AND ACCENT

Mounted within our pre-fabricated Gypsum Cove sreies (Nidus in this image) for seamless and easy cove installation (to be ordered separately).
Refer to the spec sheets: Apsis, Latus, Nidus*, Sulcus.

Code e.g.: CA1100-**M3M**-DXS-LT300-K42-AID-FH9-WSB-QE72 P010

RECESSED IN MILLWORK

Use here in a toe kick the channel is designed to fit in a 0.75 in. groove for a clean flangeless look within the millwork.

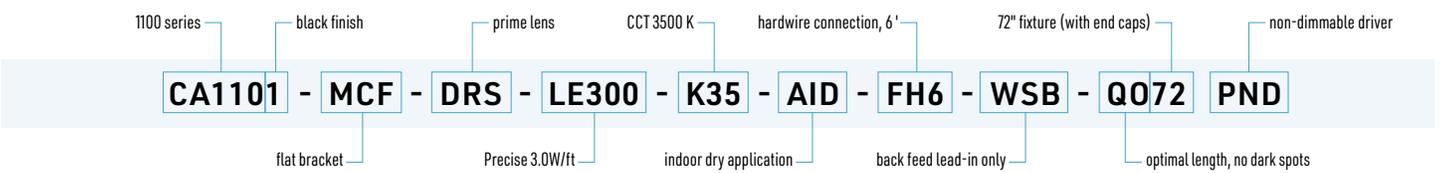Code e.g.: CA1101-**MCF**-DXS-LP4-K30-AIM-FH9-WSB-Q036 PPH

SURFACE INDIRECT

Create a glow or accent on the ceiling above ore below cabinets.

Code e.g.: CA1100-**MCF**-DRS-LP300-K35-AID-FH6-WSE-Q048 P010

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

1 — PROFILE & FINISH

CA1100 - Anodized aluminum finish
CA1101 - Anodized black finish
CA110W - White (special order)
CA110X - Custom color provide RAL #

2 — MOUNTING

MCF - Flat surface bracket
MC3 - 45° Corner bracket
MC8 - Swivel 180°
M3M - Double face mounting tape
MNO - No mounting

3 — OPTICS

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

4 — LUMEN PACKAGE

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
LP750** - 7.0 W/ft - >550 lm/ft

PRECISE
LE150* - 1.5 W/ft - >150 lm/ft
LE300 - 3.0 W/ft - >300 lm/ft
LE600 - 5.5 W/ft - >600 lm/ft

NEAT
LT150* - 2.0 W/ft - >150 lm/ft
LT300 - 3.0 W/ft - >300 lm/ft

PEAK
LK900 - 7.5 W/ft - >900 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

5 — CCT

K24 - 2400K
K27 - 2700K
K30 - 3000K
K35 - 3500K
K40 - 4000K
**K50 - 5000K (LP750 only)

*LE150 and LT150 are only available in K27 and K30

6 — APPLICATION

AID - Indoor dry locations

7 — POWER FEED

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

8 — INPUT / OUTPUT

WSE - Simple lead-in, end feed
WSB - Simple lead-in, back feed
WPE - Pass-through, end feed
WPB - Pass-through, back feed

9 — 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.

10 — LENGTH*

Length of the luminaire in inches.

Includes end caps, excludes flanges (when applicable).

length

11 — DRIVER TYPE
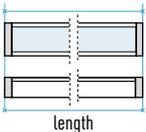
PND - Non-dimmable
P010 - 0-10V dimming
PPH - Phase (ELV / MLV) dimming
P5i1 - 5-in-1 (Phase / 0-10V) dimming
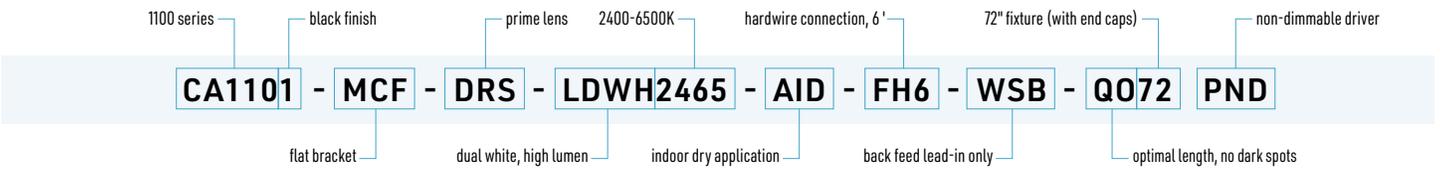**PDAL** - DALI compatible driver
PDMX - DMX driver
PNO - No driver

1100 series	black finish	prime lens	CCT 3500 K	hardwire connection, 6 '	72" fixture (with end caps)	non-dimmable driver

CA1101 - **MCF** - **DRS** - **LE300** - **K35** - **AID** - **FH6** - **WSB** - **QO72** **PND**

flat bracket	Precise 3.0W/ft	indoor dry application	back feed lead-in only	optimal length, no dark spots

---

ACCESSORIES (OPTIONAL)

GYPSUM COVES	Quantity
CGAP - Apsis, 8ft	
CGLA - Latus, 8ft	
CGNI - Nidus, 8ft	
CGSU - Sulcus, 8ft	

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

– 　 – 　 – 　 – 　 – **AID** – 　 – 　 – 　 – 　 –

1 — PROFILE & FINISH

CA1100 - Anodized aluminum finish
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CA110W - White (special order)
CA110X - Custom color provide RAL #

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MC8 - Swivel 180°
M3M - Double face mounting tape
MNO - No mounting

3 — OPTICS

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

4 — LUMEN PACKAGE

LDWM2465 - Dual White - 3.5 W/ft - 260 lm/ft
LDWH2465 - Dual White - 5.8 W/ft - 427 lm/ft
LRGBLD - RGB - 4.4 W/ft - low density
LRGBMD - RGB - 5.8 W/ft - medium density
LRGB30 - RGBW (3000K) 4 in 1 - 4.4 W/ft - 107 lm/ft

5 — CCT

▶ 2400-6500K

▶ N/A

▶ RGB + 3000K

6 — APPLICATION

AID - Indoor dry locations

7 — POWER FEED

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

8 — INPUT / OUTPUT

WSE - Simple lead-in, end feed
WSB - Simple lead-in, back feed
WPE - Pass-through, end feed
WPB - Pass-through, back feed

9 — 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.

10 — LENGTH*

Length of the luminaire in inches.

Includes end caps, excludes flanges (when applicable).

length

11 — DRIVER TYPE

PND - Non-dimmable
PDMX - DMX driver
PNO - No driver

1100 series — black finish — prime lens — 2400-6500K — hardwire connection, 6 ' — 72" fixture (with end caps) — non-dimmable driver

CA1101 - **MCF** - **DRS** - **LDWH2465** - **AID** - **FH6** - **WSB** - **QO72** **PND**

flat bracket — dual white, high lumen — indoor dry application — back feed lead-in only — optimal length, no dark spots

---

ACCESSORIES (OPTIONAL)

GYPSUM COVES	Quantity
CGAP - Apsis, 8ft	
CGLA - Latus, 8ft	
CGNI - Nidus, 8ft	
CGSU - Sulcus, 8ft	

PROFILE

1100

0.74
[18.7]

0.24
[6.0]

END CAPS

REGULAR
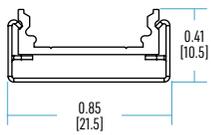
0.74
[18.7]

0.12
[3.0]

0.24
[6.0]

0.31
[7.8]

3D
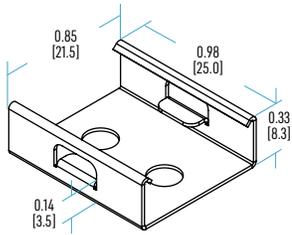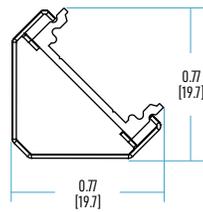
0.74
[18.7]

0.14
[3.5]

0.57
[14.5]

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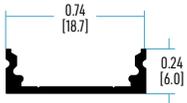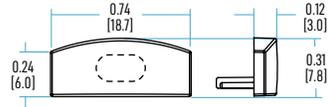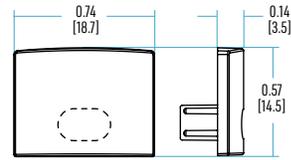
2 **- MOUNTING HARDWARE DIMENSIONS**

CLIP-IN BRACKETS (stainless steel)

MCF - FLAT BRACKET

0.85
[21.5]

0.98
[25.0]

0.33
[8.3]

0.14
[3.5]

0.41
[10.5]

0.85
[21.5]

MC3 - 45° CORNER BRACKET

0.88
[22.3]

0.98
[25.0]

0.62
[15.6]

0.45
[11.3]

0.77
[19.7]

0.77
[19.7]

MC8 - SWIVEL 180° BRACKET

0.79
[20.0]

0.92
[23.3]

1.27
[32.0]

1.13
[28.6]

0.96
[24.3]

1.27
[32.0]
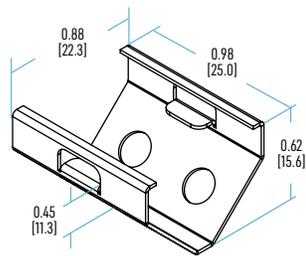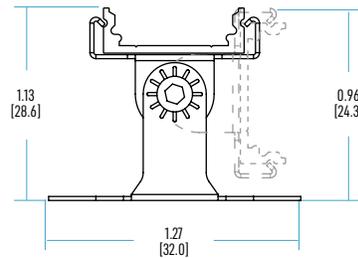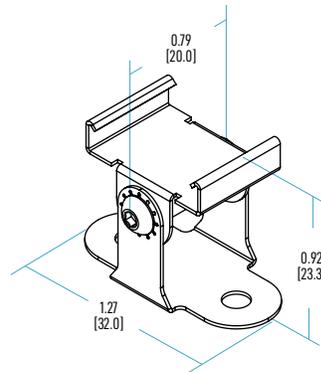
Scale 1:1

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
	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)	N	N	N	N	N	N	N	N	N	N	N	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 LP450

DBS - black — Disappears on dark surfaces when turned off. 92°

| | | 70 lm/ft | 113 lm/ft | 169 lm/ft | 241 lm/ft | 395 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 93 cd |

DSS - silens — No dots, suitable for direct view, and a continuous lens up to 10M (33ft). 120°

| | | 93 lm/ft | 151 lm/ft | 224 lm/ft | 316 lm/ft | 545 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 137 cd |

DOS - opal — Diffused light. Suitable for direct view. 113°

| | | 98 lm/ft | 155 lm/ft | 233 lm/ft | 339 lm/ft | 567 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 114 cd |

DODS - 3D opal 124°

| | | 125 lm/ft | 203 lm/ft | 309 lm/ft | 429 lm/ft | 721 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 140 cd |

DRS - prime — Best light output for direct view with higher lumen packages. 108°

| | | 121 lm/ft | 192 lm/ft | 290 lm/ft | 409 lm/ft | 682 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 140 cd |

DXS - optiflex — Eliminates shadows, best light output for indirect view. 102°

| | | 135 lm/ft | 217 lm/ft | 333 lm/ft | 453 lm/ft | 762 lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | xx lm/ft | rgb | rgb | xx lm/ft | 175 cd |

DCS - clear — The highest light output for indirect view. 116°

| | | 158 lm/ft | 252 lm/ft | 379 lm/ft | 525 lm/ft | 870 lm/ft | <192 lm/ft | <202 lm/ft | <260 lm/ft | <427 lm/ft | rgb | rgb | 107 lm/ft | 180 cd |
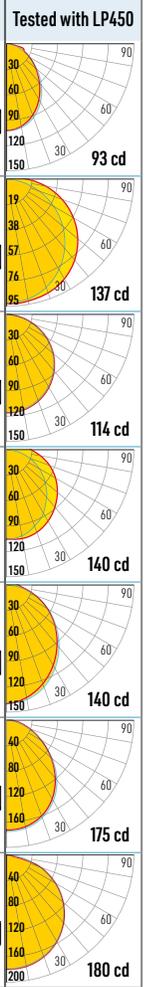
Lumen output tested at 4000K. Use this table to calculate lumen output for different CCTs.

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 **LP750** lumen package with **DRS** (prime) lens for CCT **4000K** has luminosity of 682 lm/ft

at CCT **3000K** lumen output is **559 lm/ft * 0.95 = 648 lm/ft**
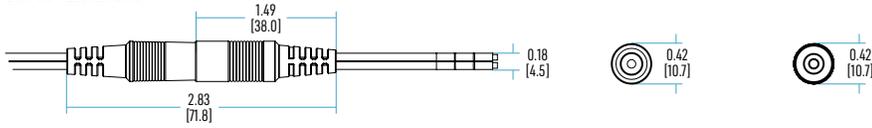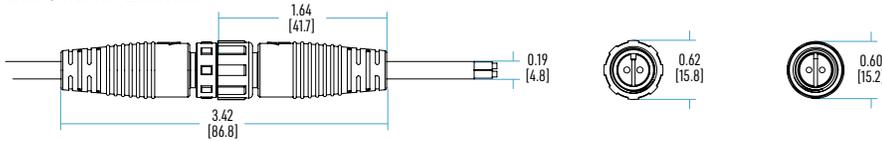
IES FILES
for other CCTs peak candella

FC3 / FC6 / FC9 / FCX - DC CONNECTORS (static white and Warmdim LED tape only)

FC3 - DC plug, 3ft wire   **FC9** - DC plug, 9ft wire

FC6 - DC plug, 6ft wire   **FCX** - DC plug, custom length wire

DRY APPLICATIONS

1.49 [38.0]
0.18 [4.5]
2.83 [71.8]
0.42 [10.7]
0.42 [10.7]

DAMP / WET APPLICATIONS

1.64 [41.7]
0.19 [4.8]
3.42 [86.8]
0.62 [15.8]
0.60 [15.2]

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
0.19 [4.8]   0.09 [2.4]

Tunable White
0.21 [5.3]   0.07 [1.7]

Static white / Warmdim TR64 22 AWG
0.13 [3.3]   0.06 [1.6]

RGB
0.25 [6.3]   0.06 [1.6]

Static white / Warmdim IP68 (FT4)
0.20 [5.2]   0.20 [5.2]

RGBW
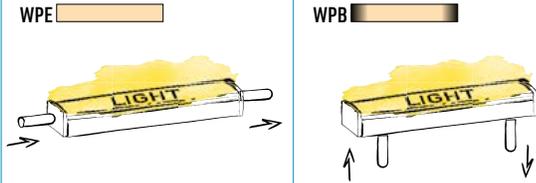0.17 [4.3]   0.17 [4.3]

1100 SIMPLE LEAD (ONE SIDE)
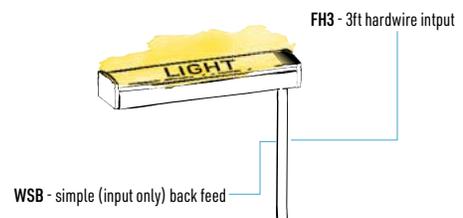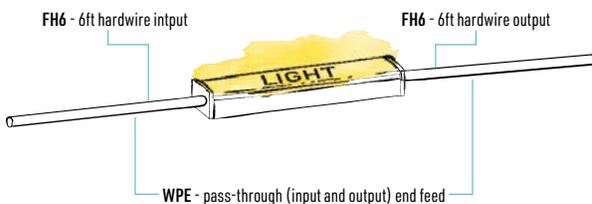
WSE - End feed (no dark spots)
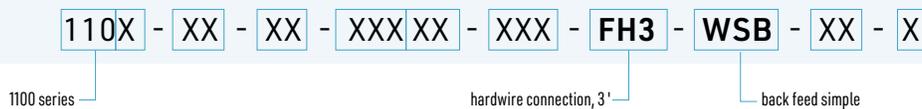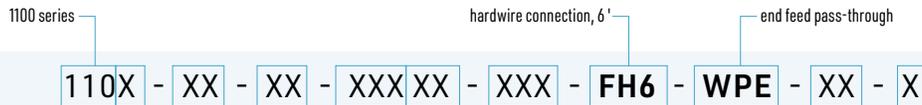
WSB - Back feed (dark spots)

WSE

WSB
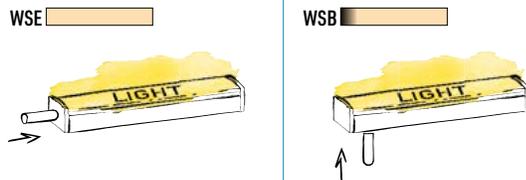
1100 PASS-THROUGH (TWO SIDES)

WPE - End feed (no dark spots)

WPB - Back feed (dark spots)

WPE

WPB

ORDERING CODE EXAMPLES

1100 series — hardwire connection, 6 ' — end feed pass-through

110X - XX - XX - XXXXX - XXX - **FH6** - **WPE** - XX - X

110X - XX - XX - XXXXX - XXX - **FH3** - **WSB** - XX - X

1100 series — hardwire connection, 3 ' — back feed simple

FH6 - 6ft hardwire intput   **FH6** - 6ft hardwire output   **FH3** - 3ft hardwire intput

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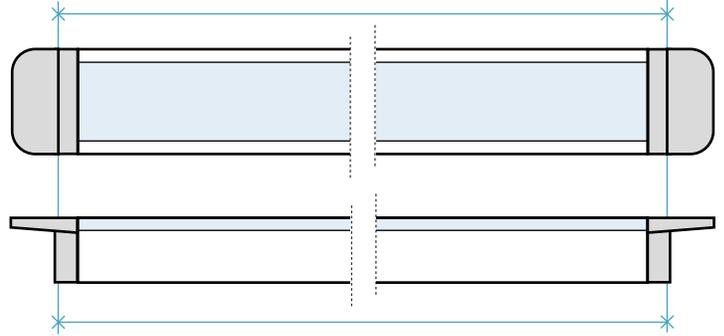
Ordering length includes the thickness of end caps and excludes flanges (where applicable).
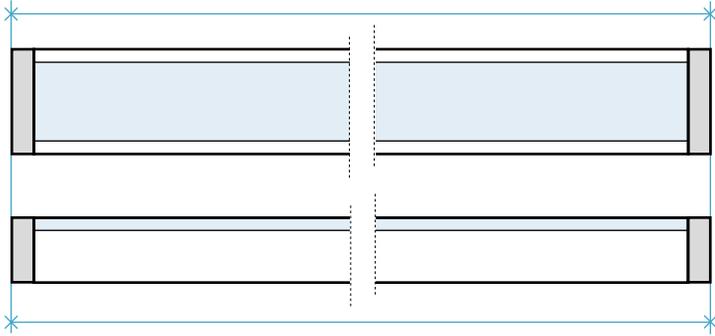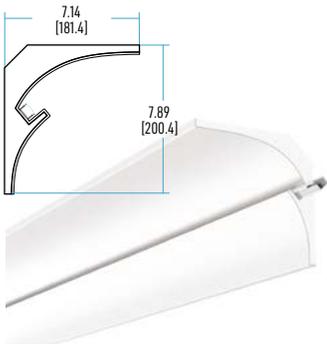
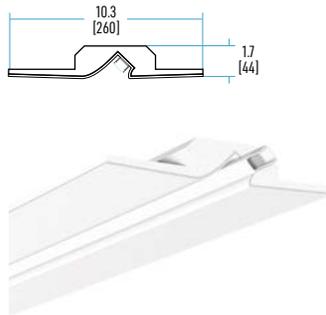Ordering length for a luminaire with no-flange end caps

Ordering length for a luminaire with flanged end caps
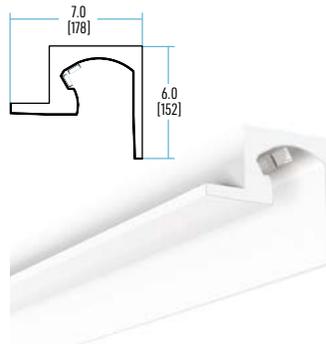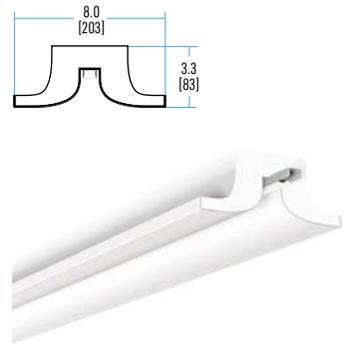
12   **GYPSUM COVES - DRYWALL FORMS**

APSIS

7.14
[181.4]

7.89
[200.4]

LATUS

10.3
[260]

1.7
[44]

NIDUS

7.0
[178]

6.0
[152]

SULCUS

8.0
[203]

3.3
[83]

CLASS 2 POWER SUPPLIES 24V

Class 2 CE FC ✓RoHS 2002/95/EC

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	🔗
		LTPS-CV-120-24-1000mA-24W-PG	24W				Plug-in	DC plug	Dry	61.4 x 37.4 x 29.4mm	cETLus	🔗
		LTPS-CV-120-24-2500mA-60W-PG	60W				Plug-in	DC plug	Dry	116.5 x 51.7 x 35mm	cETLus	🔗
		LTPS-CV-120-24-4A-96W-BK-PG	96W				Plug-in	DC plug	Dry	154 x 62 x 38mm	cULus	🔗
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	🔗
		MINI-96W-120V-24V-PH-DRBX-BK	96W				Enclosed	Enclosed	Dry, Damp, Wet	127 x 82 x 41.8mm	cULus	
P5i1	Single Color WarmDim	LTE-30W-UNV-24VA0-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	🔗
		LTE-60W-UNV-24VA0-PH010-BK	60W				Enclosed	Enclosed	Dry, Damp, Wet	196.5 x 103.4 x 40mm	cULus	
		LTE-96W-UNV-24VA0-PH010-BK	96W				Enclosed	Enclosed	Dry, Damp, Wet	196.5 x 103.4 x 40mm	cULus	
		LTE-192W-UNV-24VA0-PH010-BK	192W				Enclosed	Enclosed	Dry, Damp, Wet	232 x 116 x 40mm	cULus	
		LTE-288W-UNV-24VA0-PH010-BK	288W				Enclosed	Enclosed	Dry, Damp, Wet	275 x 116 x 40mm	cULus	
PDMX	Single Color WarmDim RGB RGBW	LTX-100W-UNV-24VA0-DMX-3-BK	100W	3 Channels	DMX	0.1% - 100%	Enclosed	Enclosed	Dry, Damp, Wet	241 x 125 x 42.7mm	cULus	🔗
		LTX-100W-UNV-24VA0-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.