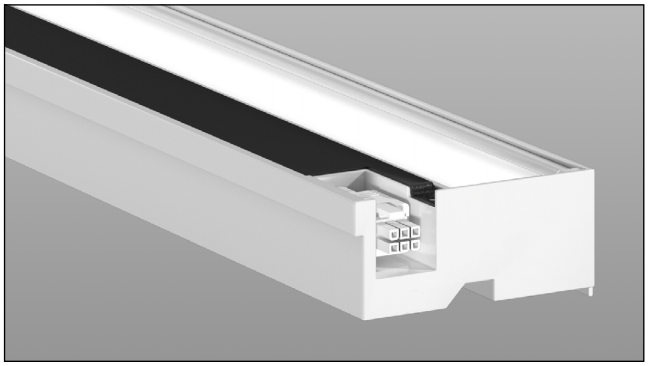


IMPORTANT! - All cove opening patterns and length must be submitted with drawings indicating dimensions and light direction.

Project _____

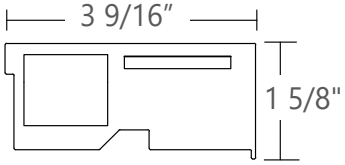
Type _____

Notes _____

PERFORMANCE/LINEAR FT AT 3000K AND 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY*
500 lm/ft	6.0 W/ft	84 lm/W
700 lm/ft	7.9 W/ft	89 lm/W
900 lm/ft	10.6 W/ft	85 lm/W
1100 lm/ft	13.5 W/ft	81 lm/W

REFER TO PHOTOMETRIC DATA SECTION FOR EXACT VALUES
*for 2700K use 0.94 multiplier on watts and efficacy
*for 4000K use 1.02 multiplier on watts and efficacy



Ordering Guide

CC

PRODUCT ID	OUTPUT	LIGHT DIRECTION	COVE OPENING PATTERNS AND LENGTH	NOMINAL LUMENS/FT	CRI
CC Ceiling Cove	**H** HI-output **L** LO-output	**I** inside lit **O** outside lit	**CL(L)** Cove linear (length) **S(L)** square shape (length) **R(LxL)** rectangular shape (length) **U(LxLxL)** U shape (length) **L(LxL)** L shape (length) **FF(L)** total pattern length	**300** 300 lm/ft - Min **699** 699 lm/ft - Max (LO-OUTPUT) **700** 700 lm/ft - Min **1100** 1100 lm/ft - Max (HI-OUTPUT)	**80** 80 CRI **90** 90 CRI*
		* For Cove Linear Length, please use Inside Lit option	Cove Perfekt standard lengths are 2-12 feet in increments of 1 foot.	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. 1000 lm/ft - Maximum for 90 CRI. Consult factory for max output with BIOS.	* Maximum 1000 lumens/ft; Not available with BIOS.

All cove opening patterns and length must be submitted with drawings indicating dimensions and light direction.

W

COLOR TEMP. (choose one)	FINISH	VOLTAGE	DRIVER	CIRCUITS
27 2700 K **30** 3000 K **35** 3500 K **40** 4000 K **B30** 3000 K - BIOS* **B35** 3500 K - BIOS* **B40** 4000 K - BIOS* **TW2750** 2700-5000 K - Tunable White **TW2765** 2700-6500 K - Tunable White	**W** white	**120** 120 V **277** 277 V **347** 347 V **UNV** universal **DC** low voltage*	**DP** dimming (0-10V) 1% **LT(#)** Lutron* **BI** bi-level dimming **O(#)** other** **DPB(#)** dimming (0-10V) 1% with BIOS* **TW(#)** tunable white drivers* **POE(#)** POE drivers*	**1** 1 circuit **2** 2 circuits * **+E(#)** emergency section** **+NL(#)** night light section**
Consult Axitune technical sheet for more information of color technology. *Consult BIOS guide for more information on BIOS technology		* Only available with POE drivers.	*See page 4 to specify system **Please consult factory; see page 5 Not available with 347V Please consult factory	* Cannot combine with E or NL ** Specify quantity

MOUNTING/SUSPENSION	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	REMOTE IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
AC Armstrong Axiom Cove* **C** Other Cove	**B(#)** battery pack	**F** fuse **CP** Chicago plenum*	**DS(#)** daylight sensor **OS(#)** occupancy sensor **DOS(#)** daylight & occupancy sensor **ENR(#)** Enlighted remote* **WC(#)** wireless control dimming	**C** custom
*Ordered separately from Armstrong.	For minimum 4' long fixture only Not available with 347V. Please consult factory	Not available with 347V * Luminaires with Chicago plenum option are shipped with 6' of FMT cable. See page 6 for more details.	*Please consult factory Specify quantity. Remote only. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	Please specify

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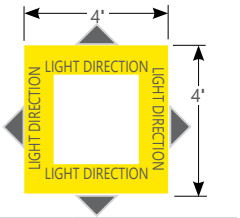
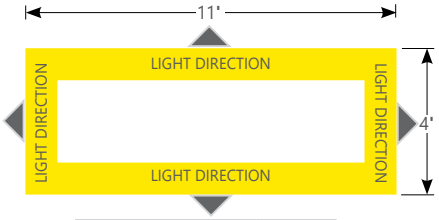


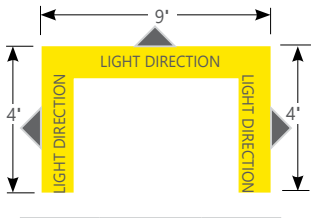
CCL	O	S[4]
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Square 90° Corner Pattern



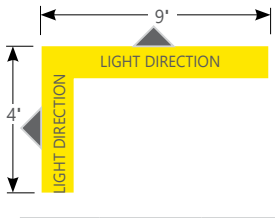
CCL	O	R(11x4)
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Rectangle 90° Corner Pattern



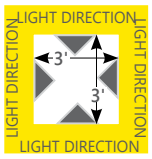
CCL	O	U(4x9x4)
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Open Shape 90° Corner Pattern



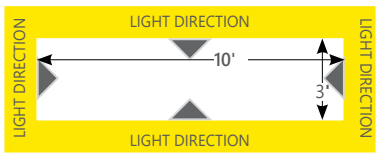
CCL	O	L(9x4)
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Open Shape 90° Corner Pattern



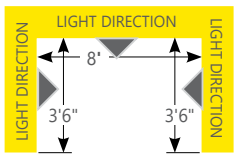
CCL	I	S[3]
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Square 90° Corner Pattern



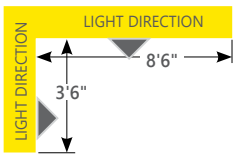
CCL	I	R(10x3)
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Rectangle 90° Corner Pattern



CCL	I	U(3'6"x9x3'6")
PRODUCT ID	LIGHT DIRECTION	PATTERNS

TOP VIEW - Open Shape 90° Corner Pattern



CCL	I	L(8'6"x3'6")
PRODUCT ID	LIGHT DIRECTION	PATTERNS

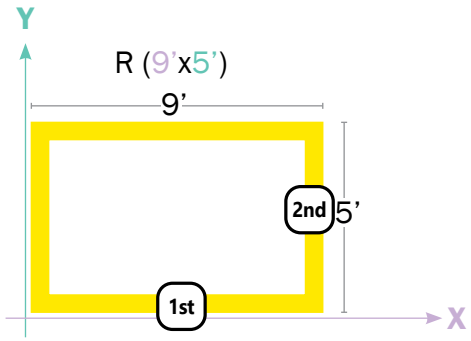
TOP VIEW - Open Shape 90° Corner Pattern

How to Specify 90 degree Corners and Patterns

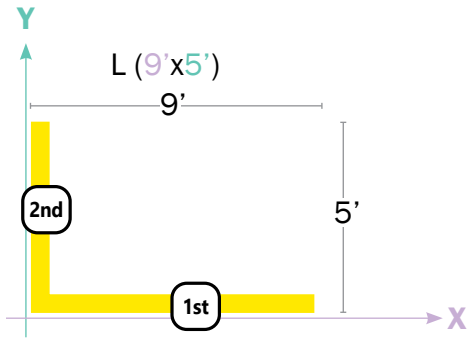
Example

! Measurements for Cove Perfekt should be made along the front side of the Cove opening.

Defining R - Rectangular shape

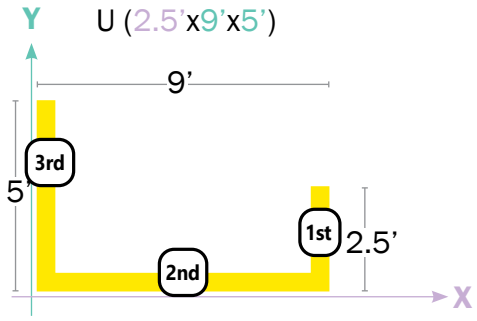


Defining L shape



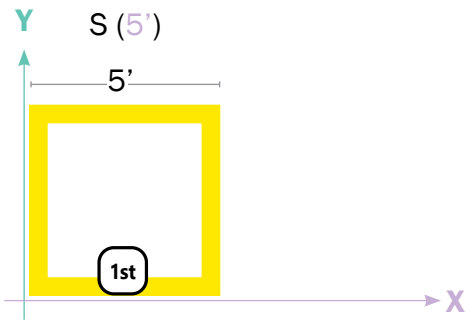
Note: The first number will always define the width, the second - the length.

Defining U shape



Note: The first number will always define the right arm length, the second - the width, and the third - the left arm length.

Defining S - Square shape



Note: The number will define the width. (All sides are the same length).

IMPORTANT! - Corner illumination is achieved by Surroundlite™ technology, NOT by corner segments. Luminaires are connected by Quick connect cables, so any corner degree is possible.

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Cove Lighting Redefined

Few luminaires have been more in need of an upgrade than cove lights, long stifled by complicated details and inconsistent, time-consuming aiming.

So Armstrong and Axis joined forces to codevelop the best possible cove lighting solution from the ground up.

Introducing Axiom® Indirect Light Coves and CovePerfekt™... The new standard for cove lighting.

Up to twice the efficiency of other cove products.

Multiple features packed into only four luminaires.

Foolproof mounting. Aim-free lighting.

Cove lighting will never be the same...

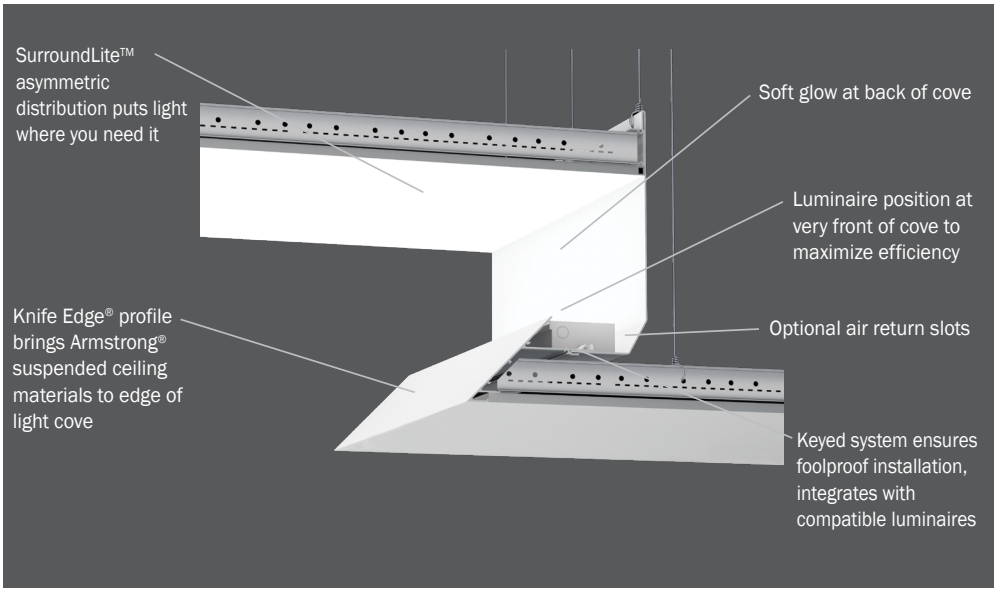
For more information on Axiom® Indirect Light Coves, go to armstrong.com/axiomlightcoves

AESTHETICS
- No lamp images • No socket shadows
- No color shifting • No bright spots
- No dark ends • Just total visual comfort

PERFORMANCE
- SurroundLite™ optics with 180-degree distribution eliminates trapped light
- Improved LED lighting effectiveness – Same amount of ambient light using as little as half the watts.
- Integrated driver (Ceiling, Wall) and battery (Ceiling).

SPECIFICATION
- No need for complex cove details.
- No need to select beam angles, figure out cove dimensions and locate remote drivers.

INSTALLATION (in AXIOM® Light Coves).
- Tool-free installation of luminaires.
- Up to 90% less labor to install coves.
- Easy onsite trade coordination
- Long runs conveniently connected to a single line-voltage circuit (up to 100 feet)



The ultimate cove lighting solution... CovePerfekt in an Axiom® Indirect Light Cove.

ⓘ Axiom® Indirect Light Coves ordered separately from Armstrong .

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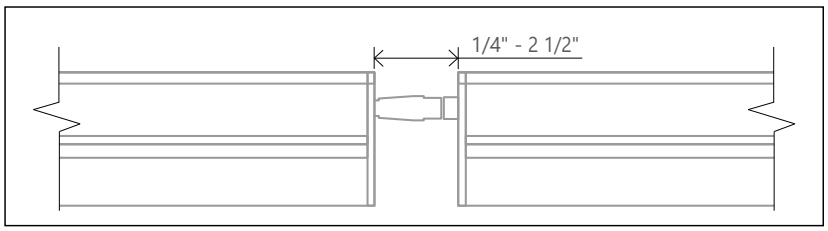
INDIRECT LIGHT COVE OPENING

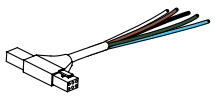
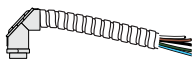
Axis will determine the best fixture length combination to fill the Cove opening.

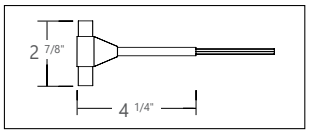
CABLE CONNECTION - LENGTH RANGE



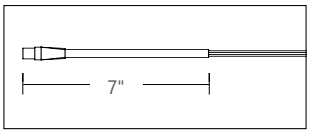
ACCESSORIES

Straight or T power feeds available to feed power anywhere along run

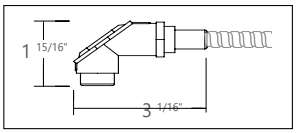
	Item Number	Item	Housing Color	Dimensions	Description		
STD	**WR14443**	T-connector	White	2 7/8" x 4 1/4"	End feed or middle feed connector from cove fixture to junction box located behind the cove		Feed up to 100' @ 120V 200' @ 277V
STD	**WR14433**	Panel mount female connector	White	22" (length)	End feed connector from cove fixture to connect next Cove fixture in the run		Feed up to 100' @ 120V 200' @ 277V
STD	**WR14434**	Straight male connector	White	7" (length)			
CCEA	**EL18832**	90° Connector		6' (length)	Chicago plenum approved 90° Connector		Feed up to 100' @ 120V 200' @ 277V
CCEA	**PWHP-72-5W**	FMT, Chicago Plenum Rated			Custom plenum flex whip		



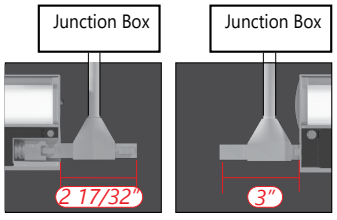
T-connector



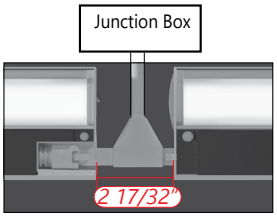
Straight connector



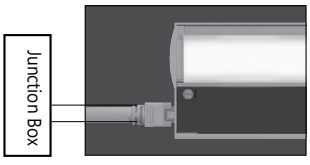
90°-connector + FMT, CCEA



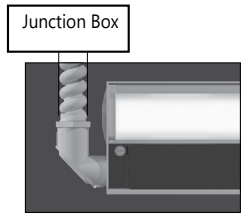
T - End Power Feed



T - Middle Power Feed



Straight End - Power Feed



T - End Power Feed

Connector types and locations to be indicated on the shop drawings.

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CONSTRUCTION

Housing	Extruded aluminum (0.060" nominal)
End Cap	Die cast aluminum (0.080" nominal)
Top Covers	Cold rolled sheet steel painted (22 gauge)

ELECTRICAL

Lutron driver*	**LDE1** - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black **LTEA** - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
Other drivers**	**DALI** - Digital Addressable Lighting Interface **DMX** - Digital Multiplex **Xitanium SR** - For wireless sensor
BIOS DPB drivers*	**STC** - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. **DYN**- BIOS control 0-10V with dynamic spectrum and BI SkyBlue® with Bio-Dimming™ enabled 100% to 50%, ligl output dimming from 49% to 1%.
Tunable White TW drivers*	**DALIDT6** - DALI Type 6 (Two DALI Addresses) **DALIDT8** - DALI Type 8 (One DALI Address) **LTTW** - Lutron T-Series Tunable White
Power over Ethernet POE drivers* UL2108 certified for integral or remote driver	MOLEX IGOR SMARTENGINE **O** - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.

***Choose driver from available options.**

Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

WEIGHT

COVE 4 ft	6 lbs / 2.7 kg
COVE 8 ft	12 lbs / 5.4 kg
COVE 12 ft	18 lbs / 8.2 kg

FINISH

White paint.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3–step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25^{0}C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated in operating ambient temperatures of 0-40^{0}C (32-104F).

WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

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LIGHT GUIDE

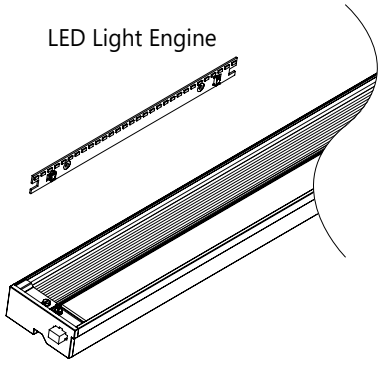
High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

LED UPGRADE / REPLACEMENT

All LED light engines used are field replaceable and upgradable to ensure the lighting system will last for years. Future-proof design comes with easy access to LED light engines from above using quick connectors (included in luminaire) and a screwdriver.

For more information on LED light engine upgrade and replacement, please refer to the COVE LED Light Engine Replacement sheet available at: www.axislighting.com under 'Downloads' tab.

LED Light Engine



SYSTEMS (S(L))

Cove Perfekt standard lengths are 1-12 feet. For cove openings greater than 12 ft system runs are available, and would be a combination of standard lengths luminaires, layed out to fit any cove opening shape and interconnected using Axis Quick Connect system.
Fixture lengths will be decided by the factory based on cove opening drafts, specified by the project designer.
For more informationon systems and joining, please refer to the COVE installation sheets available at www.axislighting.com under 'Downloads' tab.

APPROVALS

Certified to UL and CSA standards
Suitable for damp locations.

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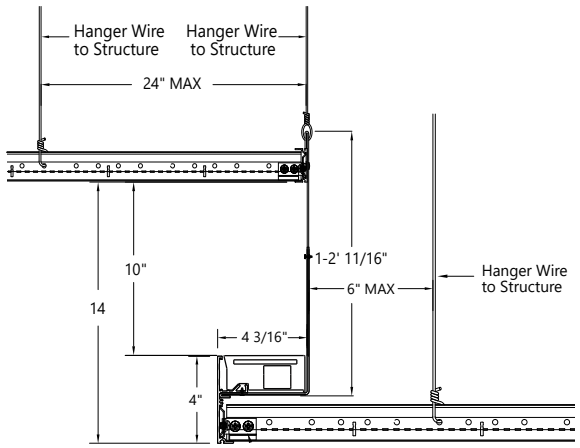
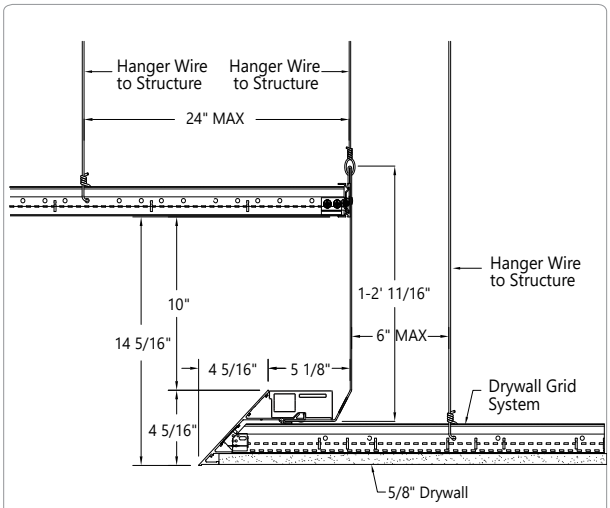
Armstrong and other cove ceiling systems provided by others.

CEILING MOUNTING OPTIONS



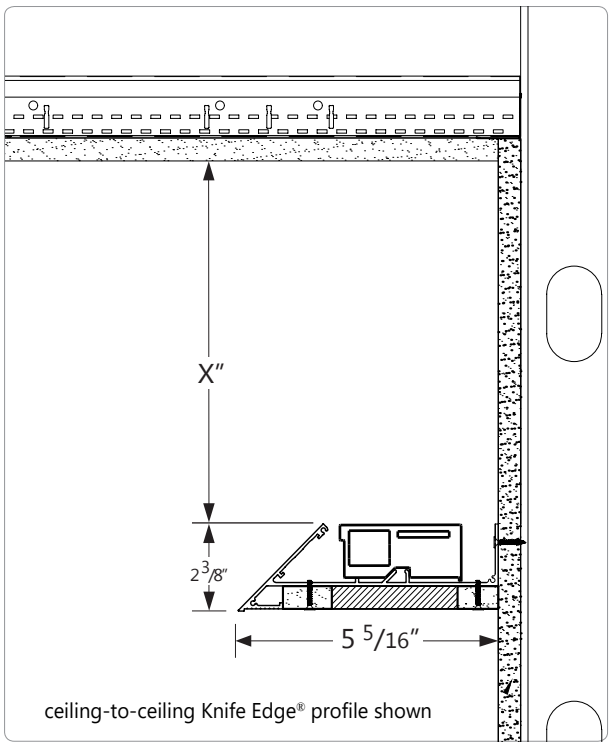
classic profile shown

AC ARMSTRONG AXIOM COVE



Knife Edge® profile shown

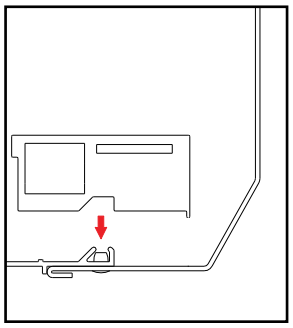
AC ARMSTRONG AXIOM COVE



ceiling-to-ceiling Knife Edge® profile shown

AC ARMSTRONG AXIOM INDIRECT LIGHT LEDGE

WITH ARMSTRONG CEILING



Axis Cove Perfekt - For use with Armstrong Axiom Indirect Light Coves and Ledges

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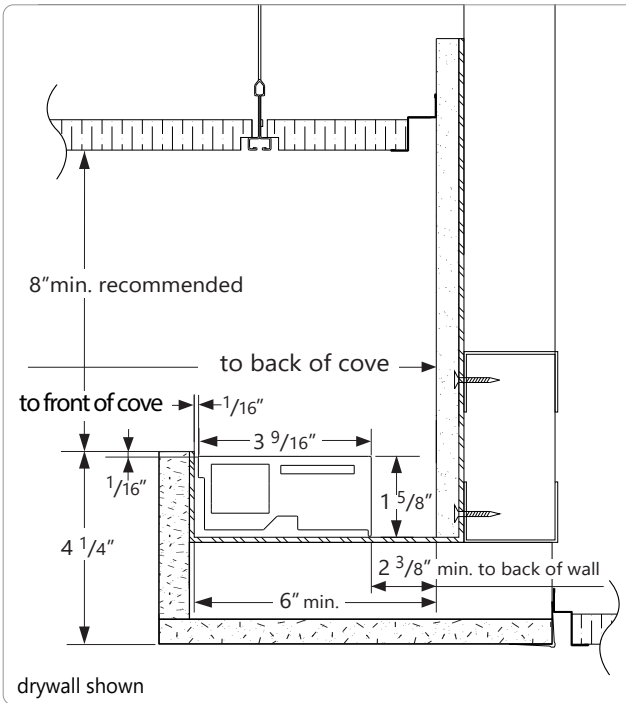
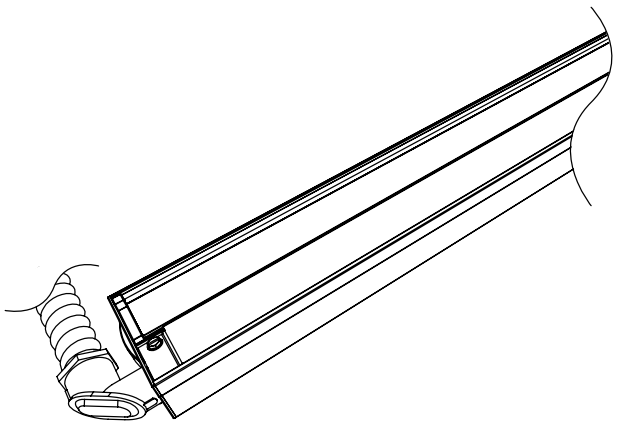


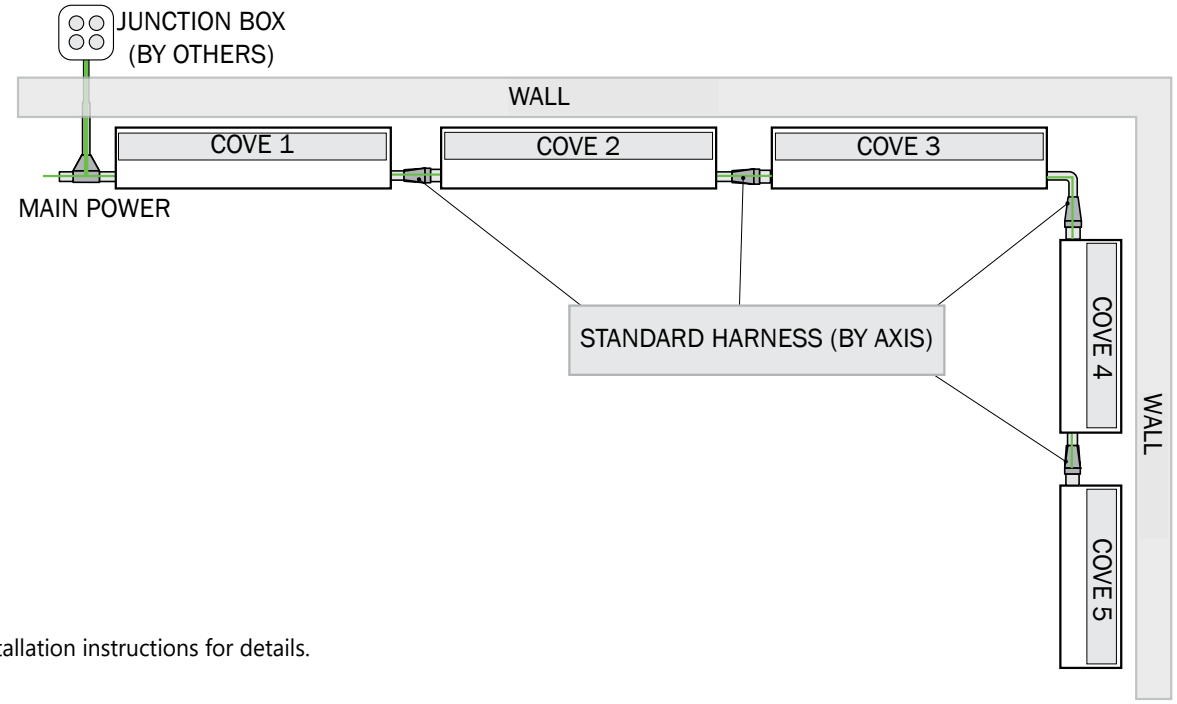
C **OTHER COVE**

● CHICAGO PLENUM OPTION



ⓘ Luminaires with Chicago plenum option are shipped with 6′ of FMT cable + 90° Connector.

● STANDARD HARNESS OPTION



ⓘ See installation instructions for details.

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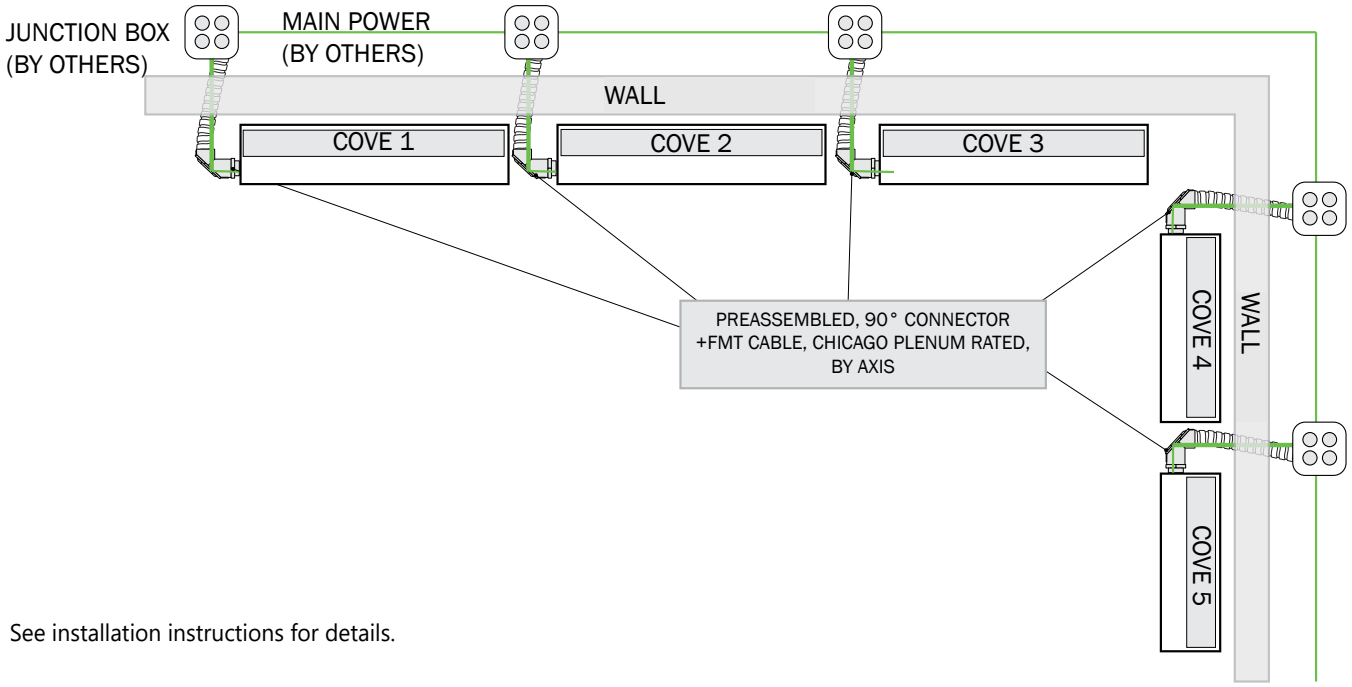
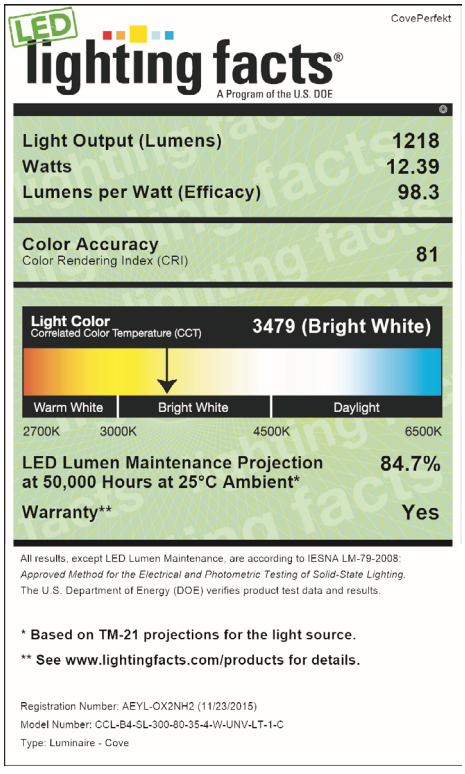
CHICAGO PLENUM OPTION



See installation instructions for details.

PHOTOMETRIC DATA



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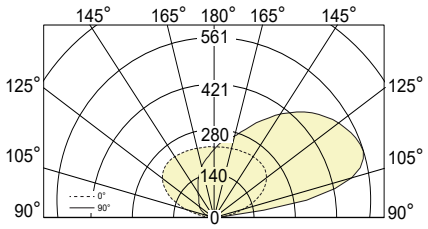
● PHOTOMETRIC DATA

NO SHIELDING (NO)

CCL-SL-300-80-35-CL-4

100% up at 300 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	1	1	0	0	0	0	0	0	1
95	24	49	59	33	20	24	39	41	19
105	105	145	242	410	495	410	243	141	98
115	180	226	321	468	559	472	322	224	174
125	224	273	359	469	530	472	360	272	220
135	239	286	359	437	477	440	360	286	238
145	239	274	332	384	409	386	333	278	239
155	234	257	291	323	337	324	293	263	235
165	230	243	258	271	276	272	262	250	230
175	228	230	238	244	246	245	241	236	228
180	226	226	226	226	226	226	226	226	226

ZONAL LUMENS

Zone	Lumens
90	
90-100	43
100-110	173
110-120	219
120-130	221
130-140	195
140-150	154
150-160	109
160-170	64
170-180	22
180	

Lumen/ft up: 300 lm/ft
Total Lumens: 1200 lm (for 4ft)
Input Watts: 14.3 W
Efficacy: 84 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCL-SL-300-80-35-CL-4

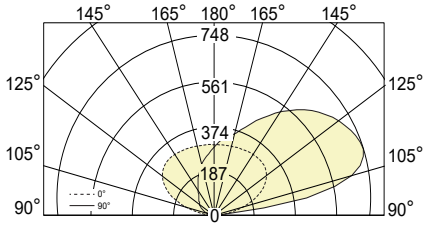
TESTED ACCORDING TO IES LM-79-2008

NO SHIELDING (NO)

CCL-SL-400-80-35-CL-4

100% up at 400 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	1	1	0	0	0	0	0	1	1
95	32	65	79	45	27	32	52	55	25
105	140	193	323	547	661	547	324	189	130
115	240	301	428	624	746	629	429	298	232
125	298	364	479	625	707	629	480	362	294
135	318	381	479	582	636	586	480	382	317
145	318	366	442	512	545	514	443	370	319
155	312	343	388	431	450	432	390	351	313
165	307	324	345	361	368	362	349	333	307
175	304	306	317	325	327	326	322	314	304
180	301	301	301	301	301	301	301	301	301

ZONAL LUMENS

Zone	Lumens
90	
90-100	58
100-110	230
110-120	293
120-130	295
130-140	260
140-150	205
150-160	145
160-170	86
170-180	29
180	

Lumen/ft up: 400 lm/ft
Total Lumens: 1600 lm (for 4ft)
Input Watts: 19 W
Efficacy: 84 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCL-SL-400-80-35-CL-4.IES

TESTED ACCORDING TO IES LM-79-2008

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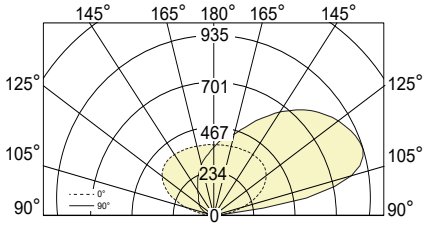
PHOTOMETRIC DATA

NO SHIELDING (NO)

CCL-SL-500-80-35-CL-4

100% up at 500 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	2	1	1	0	0	0	1	1	1
95	40	81	98	56	33	40	65	68	31
105	175	242	404	684	826	684	405	236	163
115	300	377	535	780	932	786	536	373	290
125	373	456	599	781	884	787	600	453	367
135	398	477	598	728	795	733	599	477	396
145	398	457	553	640	681	643	554	463	398
155	390	429	484	539	562	540	488	439	391
165	383	405	431	451	460	453	437	416	384
175	380	383	396	406	409	408	402	393	380
180	376	376	376	376	376	376	376	376	376

ZONAL LUMENS

	Lumens
Zone	
90	
90-100	72
100-110	288
110-120	366
120-130	369
130-140	325
140-150	257
150-160	181
160-170	107
170-180	36
180	

Lumen/ft up: 500 lm/ft
Total Lumens: 2000 lm (for 4ft)
Input Watts: 23.8 W
Efficacy: 84 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCL-SL-500-80-35-CL-4.IES

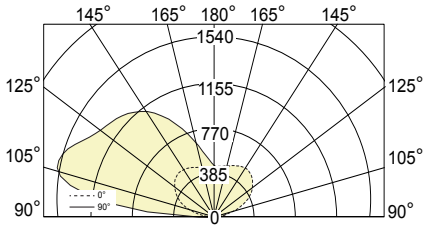
TESTED ACCORDING TO IES LM-79-2008

NO SHIELDING (NO)

CCH-SL-100/0-700-80-35-4-W

100% up at 700 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	59	80	56	31	11	3	2	3	3
95	812	715	300	136	68	54	33	25	3
105	1518	1165	550	331	228	147	90	74	60
115	1467	1159	762	502	361	221	127	99	92
125	1280	1148	909	637	443	280	154	117	113
135	1206	1137	964	710	496	333	224	149	129
145	1109	1053	907	691	500	371	305	251	196
155	909	861	748	601	472	394	359	339	318
165	659	634	578	507	447	407	387	376	389
175	481	477	467	453	438	423	413	405	416
180	438	438	438	438	438	438	438	438	438

ZONAL LUMENS

	Lumens
Zone	
90	
90-100	173
100-110	410
110-120	480
120-130	481
130-140	445
140-150	370
150-160	258
160-170	141
170-180	43
180	

Lumen/ft up: 700 lm/ft
Total Lumens: 2800 lm (for 4ft)
Input Watts: 31.5 W
Efficacy: 89 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCH-SL-100-0-700-80-35-4-W.IES

TESTED ACCORDING TO IES LM-79-2008

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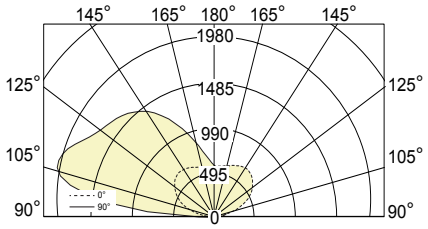
● PHOTOMETRIC DATA

NO SHIELDING (NO)

CCH-SL-100/0-900-80-35-4-W

100% up at 900 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	76	103	72	40	14	4	3	4	4
95	1044	919	386	175	87	70	42	32	4
105	1951	1498	708	426	293	188	116	95	77
115	1886	1491	980	645	464	284	164	128	118
125	1645	1476	1169	819	570	360	199	151	146
135	1551	1462	1240	913	638	428	288	192	165
145	1426	1354	1166	889	643	478	392	322	252
155	1169	1107	962	773	607	506	461	435	409
165	848	815	743	652	575	523	497	484	500
175	619	613	600	582	563	544	530	521	534
180	563	563	563	563	563	563	563	563	563

ZONAL LUMENS

Zone	Lumens
90	
90-100	222
100-110	527
110-120	617
120-130	618
130-140	573
140-150	475
150-160	331
160-170	181
170-180	55
180	

Lumen/ft up: 900 lm/ft
Total Lumens: 3600 lm (for 4ft)
Input Watts: 42.3 W
Efficacy: 85 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCH-SL-100-0-900-80-35-4-W.IES

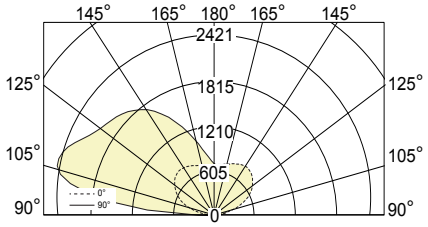
TESTED ACCORDING TO IES LM-79-2008

NO SHIELDING (NO)

CCH-SL-100/0-1100-80-35-4-W

100% up at 1100 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles								
Vertical Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
90	93	126	89	48	17	5	3	5	5
95	1276	1123	472	214	106	85	51	40	5
105	2385	1831	865	520	359	230	142	116	94
115	2305	1822	1198	789	567	347	200	156	145
125	2011	1804	1429	1001	697	440	243	184	178
135	1896	1786	1516	1116	780	523	352	235	202
145	1743	1655	1425	1086	786	584	479	394	308
155	1428	1353	1176	945	742	619	564	532	500
165	1036	996	908	797	703	639	608	591	611
175	756	749	734	712	688	665	648	636	653
180	688	688	688	688	688	688	688	688	688

ZONAL LUMENS

Zone	Lumens
90	
90-100	272
100-110	644
110-120	755
120-130	756
130-140	700
140-150	581
150-160	405
160-170	221
170-180	68
180	

Lumen/ft up: 1100 lm/ft
Total Lumens: 4400 lm (for 4ft)
Input Watts: 54 W
Efficacy: 81 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
3500K shown. For 2700K, divide wattage by 0.94 and multiply efficacy by 0.94.
For 4000K, divide wattage by 1.02 and multiply efficacy by 1.02.

IES FILE: CCH-SL-100-0-1100-80-35-4-W.IES

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***IMPORTANT** – All cove opening patterns and length must be submitted with drawings indicating dimensions and light direction.*