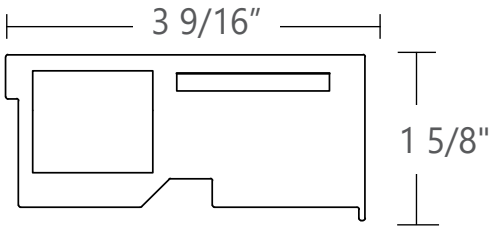
Project _____

Type _____

Notes _____



PERFORMANCE/LINEAR FT AT 3000K AND 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY*
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

CCH	SL			
PRODUCT ID	**LIGHT ENGINE**	**NOMINAL LUMENS/FT**	**CRI**	**COLOR TEMP.**
CCH Cove LED ceiling HI-output	**SL** surroundlite	**700** 700 lm/ft - Minimum **1100** 1100 lm/ft - Maximum	**80** 80 CRI **90** 90 CRI	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K
		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.		Consult Axitune spec sheet for Axis color technology options

	W			
COVE OPENING FT (MM)	**FINISH**	**VOLTAGE**	**DRIVER**	**CIRCUITS**
CL(#) Cove linear **CP(#)** Cove pattern	**W** white	**120** 120 V **277** 277 V **347** 347 V **UNV** universal	**DP** dimming (0-10V) 1% **LT** Lutron (1) **BI** bi-level dimming **O** other (2)	**1** 1 circuit **2** 2 circuits (3) **+E(#)** emergency section (4) **+NL(#)** night light section (4)
Please specify the indirect light Cove opening length. Please provide configuration drawings. Fixture optimization provided by factory; Cove minimum length is 2 ft.			(1) Specify system (2) Please consult factory; see page 4 Not available with 347V Please consult factory Consult Axitune spec sheet for Axis color driver options	(3) Cannot combine with E or NL (4) Specify quantity

MOUNTING/SUSPENSION	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	REMOTE IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
AC Armstrong Axiom Cove (5) **C** Other Cove	**B#** battery pack	**F** fuse **CP** Chicago plenum*	**DS#** daylight sensor **OS#** occupancy sensor **DOS#** daylight & occupancy sensor **ENR#** Enlighted remote (6) **WC#** wireless control dimming	**C** custom
(5) 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.	(6) Please consult factory Specify quantity. Remote only. See integrated controls guide for more details.	Please specify

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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...

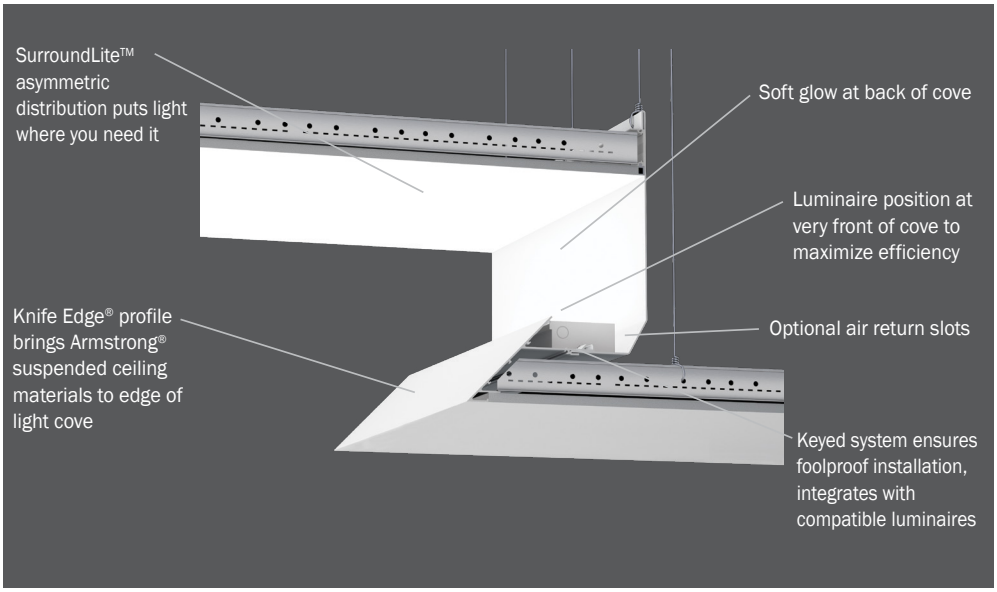
For more information on Axiom® Indirect Light Coves, go to armstrong.com/axiomlightcoves

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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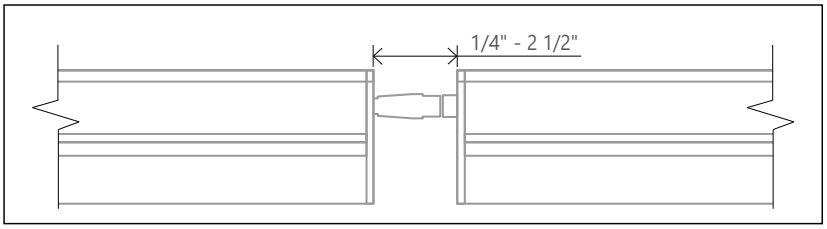
INDIRECT LIGHT COVE OPENING

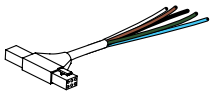
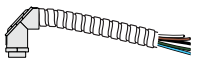
Axis will determine the best fixture length combination to fill the Cove opening.

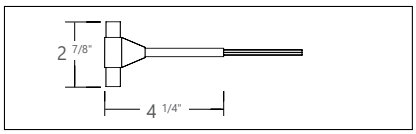
CABLE CONNECTION - LENGTH RANGE



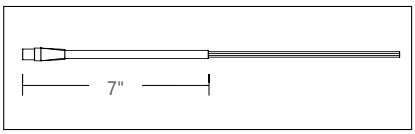
ACCESSORIES

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

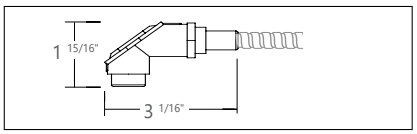
	Item Number	Item	Housing Color	Dimensions	Description		
STD	**WR14443**	T-connector	White	2 7/8 " x 4 1/4 "	End feed or middle feed connector from cove fixture to junction box located behind the cove		Feed up to 100' @ 120V 200' @ 277V
STD	**WR14433**	Panel mount female connector	White	22" (length)	End 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		



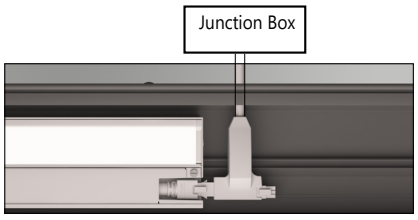
T-connector



Straight connector

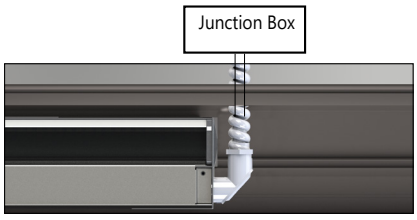


90°-connector + FMT, CCEA



T - End Power Feed

Straight End - Power Feed



T - End Power Feed

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

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LIGHT GUIDE

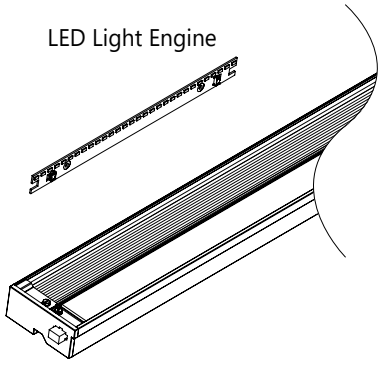
High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. 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#)

Runs of COVE that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination 4ft and/or 8ft sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the COVE installation sheets available at: www.axislighting.com under 'Downloads' tab.

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.

APPROVALS

Certified to UL and CSA standards
Suitable for damp locations.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	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.
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 spreader to maximize life.
Environment	Dry and damp rated in operating ambient temperatures of 0-40^{0}C (32-104F)

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 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) *Consult factory
Other drivers	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor POE (Power over Ethernet) - Low Voltage Lighting System
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.

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

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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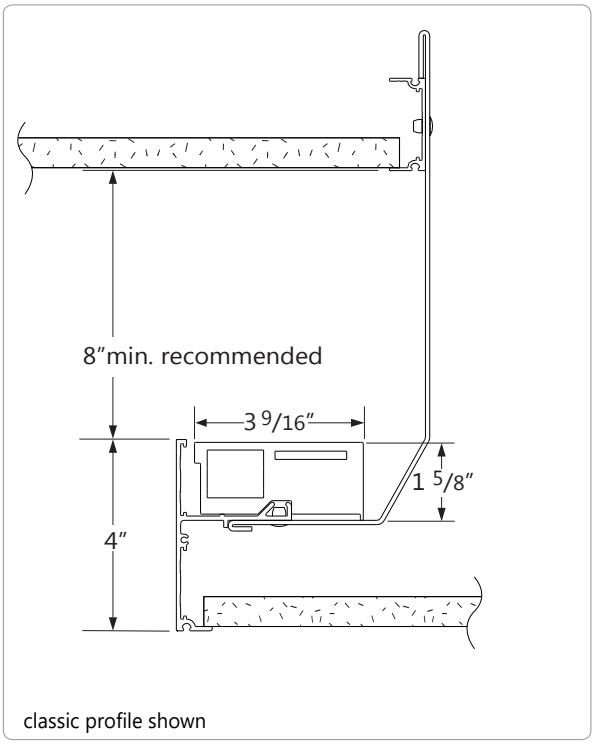
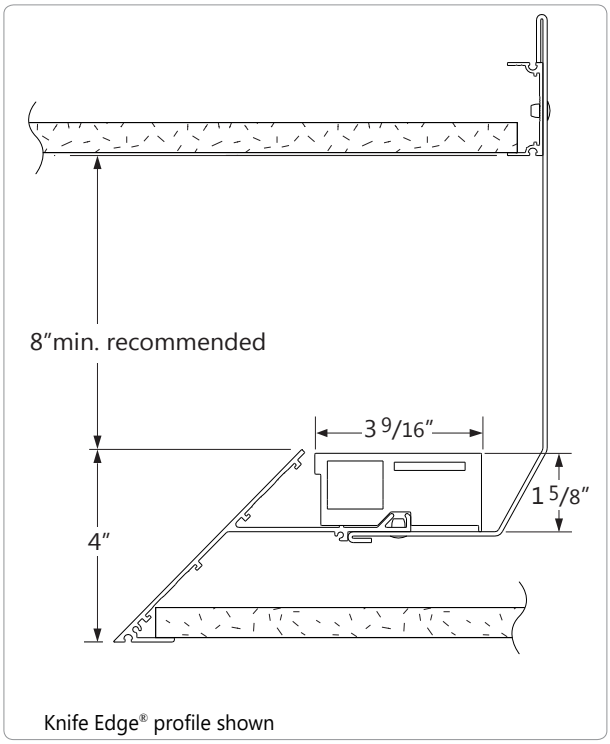
Armstrong and other cove ceiling systems provided by others.

CEILING MOUNTING OPTIONS



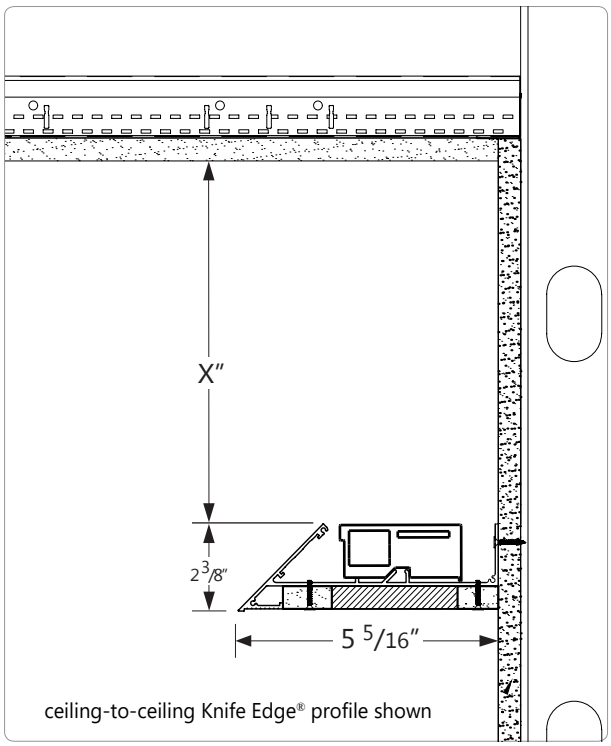
classic profile shown

AC ARMSTRONG AXIOM COVE



Knife Edge® profile shown

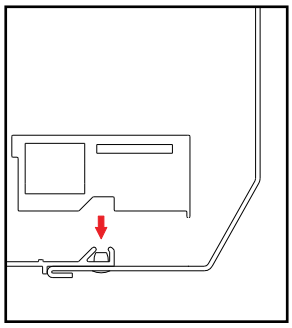
AC ARMSTRONG AXIOM COVE



ceiling-to-ceiling Knife Edge® profile shown

AC ARMSTRONG AXIOM NDIRECT LIGHT LEDGE

WITH ARMSTRONG CEILING



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

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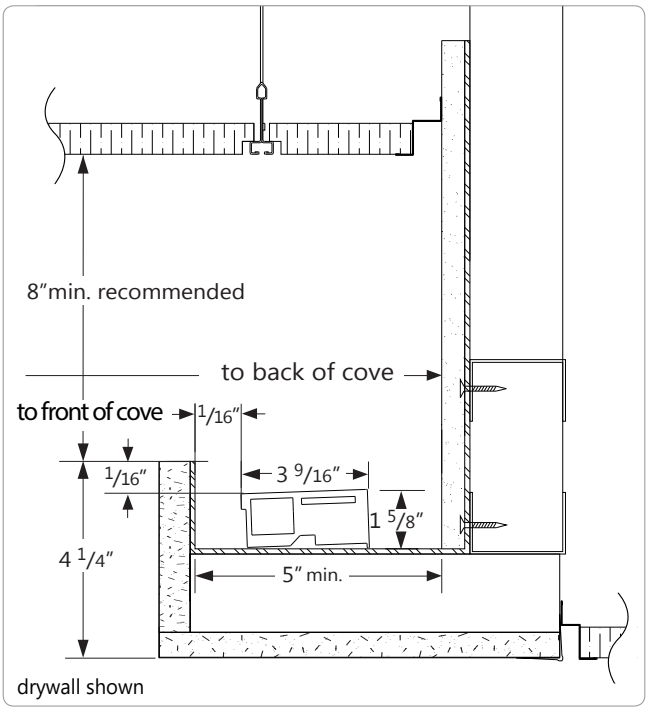
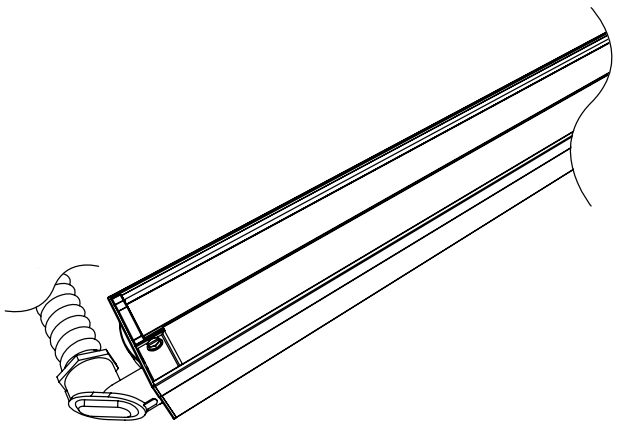


C OTHER COVE

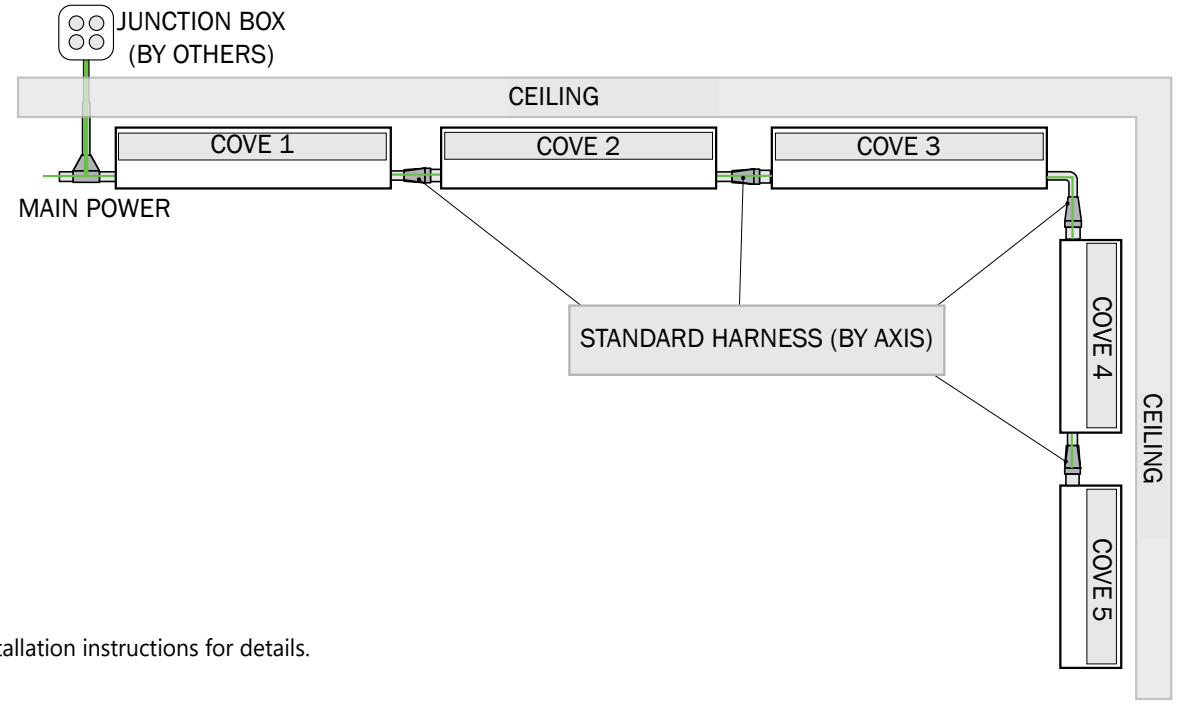
Axis Cove Perfekt - For use with Other Light Coves

● 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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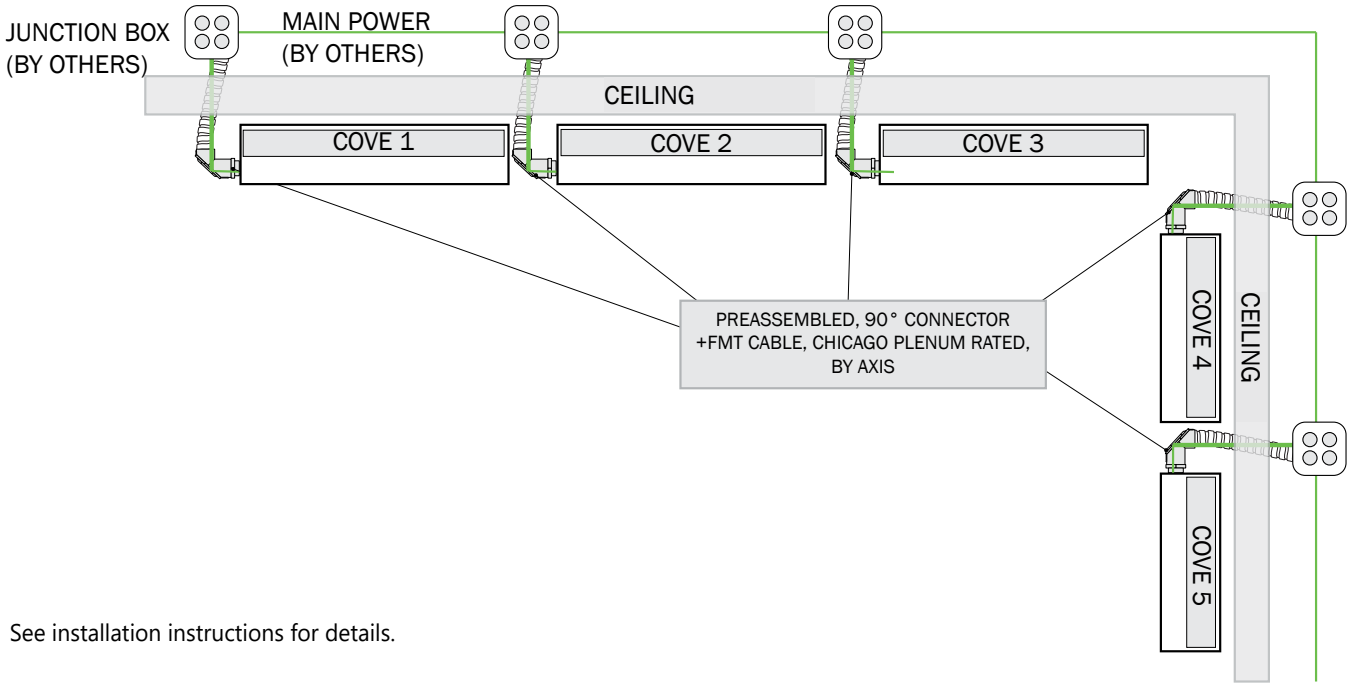
● CHICAGO PLENUM OPTION



ⓘ See installation instructions for details.

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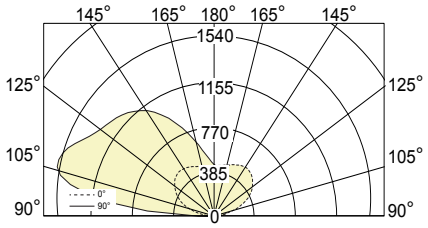
PHOTOMETRIC DATA

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

Zone	Lumens
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

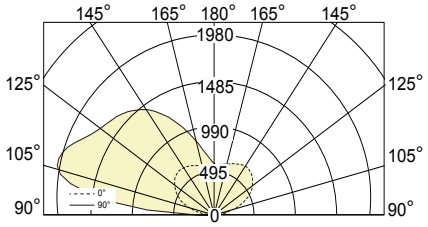
TESTED ACCORDING TO IES LM-79-2008

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

All IES files are available for download at: www.axislighting.com

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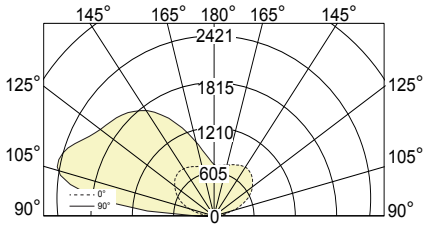
PHOTOMETRIC DATA

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

TESTED ACCORDING TO IES LM-79-2008

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