

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Provides soft, uniform, illumination for contractor and extruded coves
- Field-adjustable to the inch ensures a perfect fit
- Exceptional performance and value
- Multiple dimming options and integral emergency battery
- Quick-connect wiring for simple lay-in installation
- Design spaces quickly with the Linear Product Builder
- Light weight fixture assembly, 2.2 lbs/ft
- Wireless in-fixture control solutions available
- Made Right Here® in the USA



SPECIFICATIONS

- HOUSING** – Formed sheet metal.
- SHIELDING** – Extruded diffuse acrylic lens.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High-quality mid-power LED boards. See fixture performance data for lumen maintenance.
- MOUNTING** – Lay-in cove.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: CX E - 14'08 - L10/835 - 25 - D - OPTIONS - CONTROL/DRV - UNV

SERIES	COVE TYPE ^[1]	LENGTH
CX	C Contractor Cove E Extruded Cove ^[2]	Lengths specified in feet and inches using 1" increments, 2' minimum. Example: 14'08 = 14'-8"

Product Builder

Easily build shapes & simplify ordering with the Williams Linear Product Builder at hew.com/product-builder



LUMENS ^[3]	CRI	CCT	DISTRIBUTION	SHIELDING ^[4]
L4 400lm	8 80	27 2700K	0 0°	D Diffuse acrylic dustcover
L6 600lm	9 90 ^[5]	30 3000K	25 25°	
L8 800lm		35 3500K		
L10 1,000lm		40 4000K		
L15 1,500lm		50 5000K		

OPTIONS

EM/10WLP	Low-profile 10-watt emergency battery ^[6]
AMW (L__)	Anti-microbial white finish Additional lower lumen packages available Example: 900 lumens = CXE-14'08-L10/835-(L9) ^[7]

CONTROL

	See page 4 for ADDITIONAL CONTROL/DRIVER OPTIONS.
–	None
AVI-LVFA	Avi-on wireless fixture control ^[8]
AWNDR	Lutron Athena wireless node integral fixture control, RF only ^[9]

DRIVER

See page 4 for ADDITIONAL CONTROL/DRIVER OPTIONS.

DIM	Driver with external dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires ^[10]
DSR	Sensor-ready driver without external dimming wires (DAi DALI-2) ^[11]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V ^[12]

NOTES

- For additional styles, consult factory.
- By others. See page 3 for FIXTURE DETAILS.
- Lumens per foot output based on 80 CRI, 3500K CCT. Actual lumens may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- Lens length trimmed to size in field.
- Extended lead times may apply. Consult factory for availability.
- Not available with fixtures less than 4'.
- (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

- DA Driver only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Vive and Athena Controls only.
- Not available with EM batteries, DA, or DSR Drivers.



FIXTURE PERFORMANCE DATA

		PER FOOT				LUMEN MAINTENANCE			
		DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	L70	L80	L85	L90
L4	0	413	3.4	122	>102,000	>102,000	>102,000	82,000	
	25	405		119	>102,000	>102,000	>102,000	82,000	
L6	0	614	4.9	125	>72,000	>72,000	63,000	42,000	
	25	602		123	>72,000	>72,000	63,000	42,000	
L8	0	835	6.7	125	>72,000	>72,000	63,000	42,000	
	25	818		122	>72,000	>72,000	63,000	42,000	
L10	0	1028	8.3	124	>72,000	62,000	45,000	29,000	
	25	1007		121	>72,000	62,000	45,000	29,000	
L15	0	1541	12.9	119	>72,000	>72,000	63,000	42,000	
	25	1510		117	>72,000	>72,000	63,000	42,000	

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%.
- Predicted lumen maintenance calculated from LED manufacturer IES LM-80 data and In situ temperature measurement.
- Predicted lumen maintenance calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

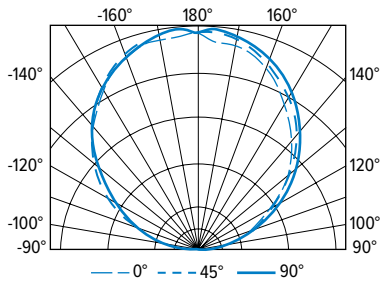
MULTIPLIER TABLES

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.80
3000K	0.82
3500K	0.83
4000K	0.86
5000K	0.89

PHOTOMETRY

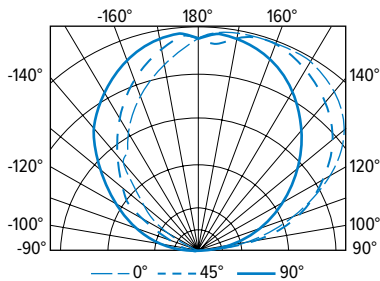
CXC-3'08-L10/835-0-D-DIM-UNV Total Luminaire Output: 3770 lumens; 29.9 Watts | Efficacy: 126 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
90	0	0	0	0	0	
95	2	11	73	68	70	65
105	199	231	283	268	268	269
115	425	449	468	489	477	465
125	626	650	685	703	681	605
135	812	843	886	898	880	676
145	981	1018	1054	1072	1061	654
155	1133	1166	1199	1218	1207	548
165	1238	1275	1296	1306	1281	362
175	1270	1325	1346	1344	1295	126
180	1321	1321	1321	1321	1321	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	90 - 120	799	21
	90 - 130	1404	37
	90 - 150	2734	73
	90 - 180	3770	100
	0 - 180	3770	100

CXC-3'08-L10/835-25-D-DIM-UNV Total Luminaire Output: 3692 lumens; 29.9 Watts | Efficacy: 123 lm/W | 80 CRI; 3500K CCT



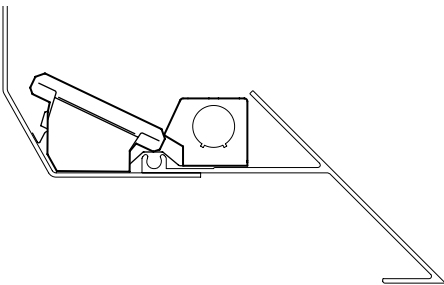
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
90	0	0	0	0	0	
95	121	120	70	18	6	85
105	411	476	272	67	54	280
115	749	733	459	259	101	469
125	1005	930	637	491	305	604
135	1159	1065	827	652	522	660
145	1248	1178	1003	830	713	625
155	1286	1255	1131	984	887	513
165	1273	1281	1217	1133	1034	338
175	1202	1260	1259	1242	1158	117
180	1228	1228	1228	1228	1228	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	90 - 120	834	23
	90 - 130	1438	39
	90 - 150	2723	74
	90 - 180	3692	100
	0 - 180	3692	100



FIXTURE DETAILS

EXTRUDED COVE, 25°



Example cove style, by others, shown

EXTENDED CHANNEL

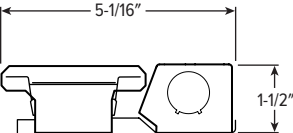


Adjustable to the inch

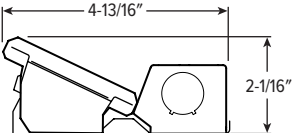
CROSS SECTIONS

CONTRACTOR COVE TYPE

0° DISTRIBUTION

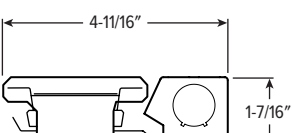


25° DISTRIBUTION

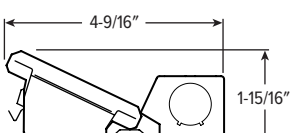


EXTRUDED COVE TYPE

0° DISTRIBUTION



25° DISTRIBUTION



SEE NEXT PAGE FOR CONTROL DETAILS.



AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

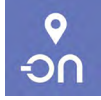
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning
Mobile App

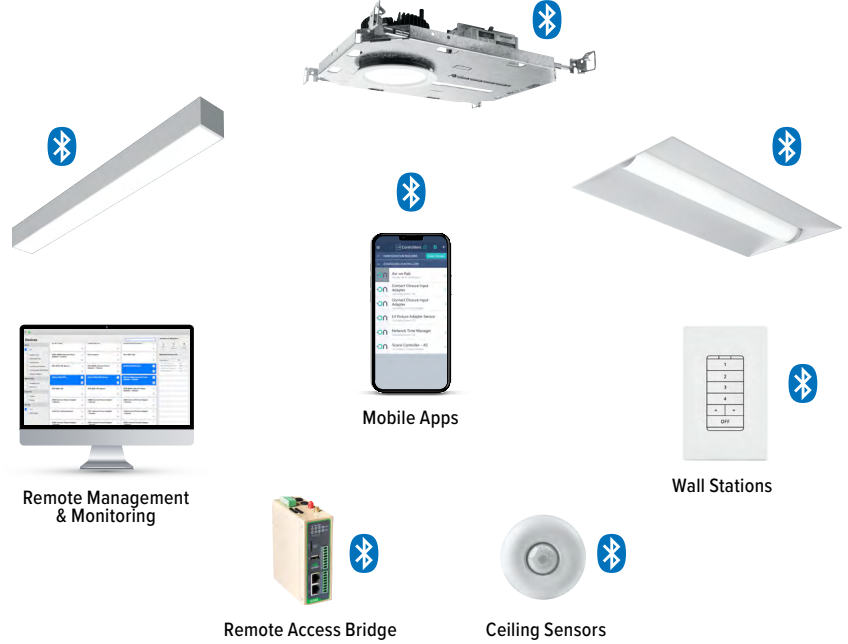


Zone Scanner
Web App



Commissioning
Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge – LTE connection
AVI-2001RAB-01-C	Remote access bridge – Wifi connection
AVI-KIT-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

ADDITIONAL CONTROL/DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power
AWN/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power
AWN/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2)
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

