

ZR Series

ZR14™, ZR22™, and ZR24™ LED Troffers - Version D

Rev. Date: V7 10/18/2024

Product Description

The ZR LED troffer provides energy productivity and code compliance – all with installation that's so intuitive and simple. The ZR Series delivers from 2,600 to 10,000 lumens and 80 CRI quality light and is perfect for both new construction and renovation. Multiple control options (0-10V, SmartCast® Technology, Lutron Athena) some of which incorporate integrated ambient and occupancy sensing and wireless communication which results in lower electricity bills, reduced maintenance and an improved total cost of ownership over traditional lighting control systems. The ZR LED troffer embodies a breakthrough in balancing energy savings, visual comfort and project budgets.

Performance Summary

Efficacy: Up to 159 LPW

Initial Delivered Lumens: 2,600 - 10,000

Input Power: 18-70W

CRI: 80+

CCT: 3000K, 3500K, 4000K, 5000K

Input Voltage: 120-277 VAC, 120-347 VAC, 347VAC

Limited Warranty: 5 years standard for luminaire, SmartCast controls, and Lutron AWRN and AWRNS controls; up to 5 years for SmartCast® accessories; 1 year for luminaire accessories

Limited Warranty Emergency Back Up (EB) Battery: 1 year for Battery Back Up. Test regularly in accordance with local code

Controls: 0-10V, SmartCast Wireless, Lutron Athena

Mounting: Recessed (Designed for use in most ceiling grids including standard 1 1/2", 9/16", 15/16", hard ceiling, and surface mounting)

Room-side accessible removable lens

Assembled in the USA by Cree Lighting from US and imported parts

* See <https://www.creelighting.com/resources/warranties/> for warranty terms. For SmartCast accessories, consult SmartCast spec sheets for details on warranty terms.

Accessories

Field-Installed

Drywall Grid Adapter
DGA14-WHT 1x4, Single Pack
DGA14-WHT-10PK 1x4, 10-Pack
DGA22-WHT 2x2, Single Pack
DGA22-WHT-10PK 2x2, 10-Pack
DGA24-WHT 2x4, Single Pack
DGA24-WHT-10PK 2x4, 10-Pack

Surface Mount Kit
SMK-FLX14 (1x4)
SMK-FLX22 (2x2)
SMK-FLX24 (2x4)
- Not for use with AWRN control

SmartCast® Technology Configuration Tool
CCT-CWC-1
- One required per project when SC1 control is selected

SmartCast® Technology Face Plates
CFP-1-WH
- Matching face plate, 1-gang, white
CFP-2-WH
- Matching face plate, 2-gang, white

SmartCast® Technology Wireless Dimmer
CSC-CWD-UNVN-WH (neutral wire required)
CSC-CWD-UNV-WH (no neutral required)

SmartCast® Technology Wireless Switch Controller
CSC-CWS-UNVN-WH (neutral wire required)
CSC-CWS-UNV-WH (no neutral required)

SmartCast® 5-Button Wireless Scene Controller
CSC-SC-A-5B-UNVN-WH (w/o text)
CSC-SC-A-5S-UNVN-WH (w/scene text)
CSC-SC-A-5X-UNVN-WH (w/custom text)

SmartCast® Technology Wireless Plug Load Controller
CPLC-JB-CWC

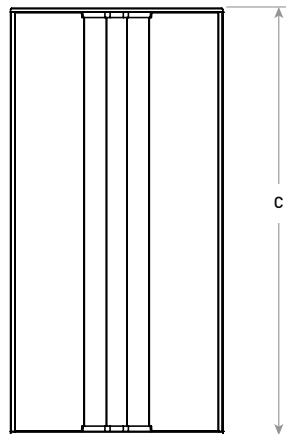
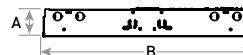
SmartCast® 10V Zone Controller
CSC-ZC-10V-CWC
- Intelligent sensing and control of 0-10V luminaires

Shown with CRV Lens



10V1/10V5 CONTROL

Shown with ARC Lens



10V1/10V5 Dimensions						
	DIM "A"	DIM "A" w/EB	DIM "B"	DIM "C"	Weight	Weight w/EB
1x4	4.1" (104mm)	4.0" (101mm)	11.7" (298mm)	47.7" (1213mm)	11.0 lbs. (5.0kg)	16.0 lbs. (7.3kg)
2x2	4.1" (104mm)	3.3" (84mm)	23.7" (603mm)	23.8" (604mm)	9.0 lbs. (4.1kg)	14.0 lbs. (6.4kg)
2x4	4.1" (104mm)	3.3" (84mm)	23.7" (603mm)	47.7" (1213mm)	15.0 lbs. (6.8kg)	20.0 lbs. (9.1kg)

Refer to page 6 for lens assembly images and dimensions as well as dimensional information for SC1, AWRN, and AWRNS controls.

Ordering Information

Example: ZR24-D-60L-835-CV-UNV-10V5

ZR		D											
Family	Size	Series	Lumen Package		CRI/CCT	Lens*	Voltage	Controls	Factory Installed Options**				
ZR	14	D	30L 3,000 Lumens	50L 5,000 Lumens	830 80 CRI, 3000K	AR FLX Arc CV ZR Curve SQ Square	UNV - Universal 120-277V UC - 120-347V - Not available with 26L or 30L lumen packages - Available only with 10V5 control 34 - 347V - Not available with 10V5 control	10V1 - 0-10V 1% Dimming 10V5 - 0-10V 5% Dimming SC1 - SmartCast Wireless Technology with 1% Dimming, Integral motion and ambient sensors - Utilizes a multifunction sensor AWNR* - Lutron Athena Wireless Integral Fixture Control (RF only) with 1% Dimming - Utilizes a DALI2 driver AWNS* - Lutron Athena Wireless Integral Fixture Control with 1% Dimming, Occupancy and Daylight Sensing - Utilizes a DALI2 driver - Utilizes a multifunction sensor	EB Emergency Backup - Available with UNV voltage only - Provides 10W & 90 minutes of emergency operation - GT and EB cannot be used together GT Generator Transfer Device - Available with UNV voltage only - GT and EB cannot be used together				
			40L 4,000 Lumens	60L 6,000 Lumens	835 80 CRI, 3500K								
	22		26L 2,600 Lumens	40L 4,000 Lumens	840 80 CRI, 4000K								
			30L 3,000 Lumens	50L 5,000 Lumens	850 80 CRI, 5000K								
	24		30L 3,000 Lumens	70L 7,000 Lumens									
			40L 4,000 Lumens	80L 8,000 Lumens									
			50L 5,000 Lumens	100L 10,000 Lumens									
			60L 6,000 Lumens										

* Refer to page 6 for lens images.

**Consult factory for other options.

*More information on Lutron controls can be found at lutron.com.



SMARTCAST®
TECHNOLOGY

Athena



CREE **LIGHTING®**

Website: creelighting.com

US: (800) 236-6800 Canada: (800) 473-1234

Product Specifications

SMARTCAST® TECHNOLOGY

SmartCast® Technology is the most intuitive and easiest to install intelligent light solution on the market. SmartCast Technology delivers up to 70% energy savings at up to half the cost of other solutions. Luminaires combine best-in-class light with onboard sensors and intelligence to deliver a better light experience. Extreme energy productivity, code compliance and a better light experience without any extra design, installation or setup work.

CONSTRUCTION & MATERIALS

- Durable 22 ga. cold rolled steel housing provides strength and uniformity
- Ultra-thin luminaire height and lightweight design effectively target a broad range of plenum spaces and allow for easy installations
- Luminaire is pre-painted for enhanced matte finish
- Includes integrated hooks for mounting to t-bar, and cable slots for suspended mounting
- Luminaire sides and ends are hemmed in for safe, easy handling
- Room-side accessible/removable lens snaps and locks into end caps for tool-less entry
- Not for installation within 3" [76mm] of insulation
- **Weight:** Refer to table on pages 1 and 6
- Includes QR code on the back of the troffer housing which provides access to: Online installation instructions, Luminaire information (Part number, Serial number, Build date, and Warranty end date), and Warranty claim submission form
- Duplicate 1" and 2" QR code labels are included. 1" labels can be affixed next to fixtures, on site plans, or in maintenance records. 2" labels can be scanned from the ground when placed at an appropriate height

OPTICAL SYSTEM

- Unique luminaire design creates perfect balance of both horizontal and vertical illumination
- Optimized smooth acrylic lens eliminates pixelation and delivers a low-glare, diffused light distribution
- Additional diffuser options available. Refer to Inner Optic Overlay Diffuser Accessories table on page 6 for additional detail


ELECTRICAL SYSTEM

- **Power Factor:** >90% at full load
- **Input Power:** Stays constant over life
- **Input Voltage:** 120-277V or 347V, 50/60Hz
- **Operating Temperature Range:** 0°C - + 35°C [32°F - + 95°F]
- **Total Harmonic Distortion:** <20% at full load

10V DIMMING AND CONTROL

- 10V5 option provides continuous dimming to 5% (1% for 10V1) with 0-10V DC control protocol
- **Maximum 10V Source Current:** 0.45mA
- For use with Class 2 dimming systems only
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Reference <https://cree.widen.net/s/2b8dlcwsq/cr-flex-zr-cs-ln-ls-ur-stylus-series-control-options-dimming-specsheet> for recommended dimming controls and wiring diagrams

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for damp locations
- Designed for indoor use only
- Requires minimum 90°C supply conductors
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Meets NEMA C82.77 standards
- UL924 (EB Option) Maximum mounting height: 15.0'(4.6m)
- EB option meets CA Title 20 Appliance Regulations
- RoHS compliant. Consult factory for additional details
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- DLC and DLC Premium qualified versions available. Please refer to <https://gpl.designlights.org/solid-state-lighting> for most current information
-  CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov

SmartCast® Technology

INTEGRAL MOTION SENSOR

- Passive infrared (PIR)
- **Coverage area:** Please refer to the PIR motion sensor coverage table
- Not intended to be mounted higher than 20 ft.
- **Operation:**
 - Grouped with a wall control: Luminaire will operate in vacancy mode (manual-on/auto-off)
 - Not grouped with a wall control: Luminaire will operate in occupancy mode (auto-on/auto-off)
- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Configuration Tool

AMBIENT LIGHT SENSOR

- Sensor response matches response of human eye
- Not intended to be mounted higher than 20 ft. (6.1m)
- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Configuration Tool
- Daylight harvesting calibration performed automatically during OneButton™ Setup

INTEGRAL WIRELESS COMMUNICATION

- 2.4GHz wireless mesh technology with AES 128-bit encryption
- Self assigns to quietest channel during OneButton™ Setup
- **Range:**
 - 30 ft. (9.1m) in typical commercial applications
 - 300 ft. (91.4m) open air without obstructions
- **Network:** 250 devices max.
- **Space:** 100 devices max. per group
- FCC and IC certifications

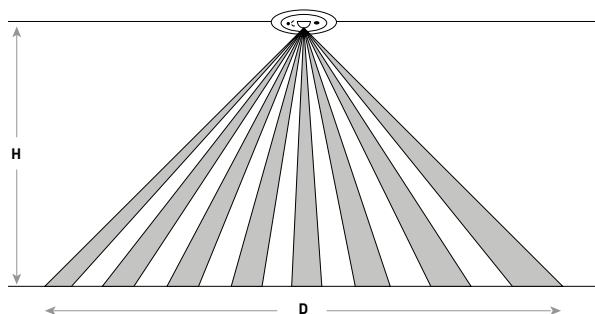
LUMINAIRE

- Energy metering with 4% accuracy
- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Configuration Tool
- 10 year power fail memory of settings
- **NOTE:** SmartCast luminaires must be installed on unswitched AC power. Constant power is required to maintain all luminaires on the SmartCast network. If wall control or manual dimming is required, a SmartCast wall control dimmer must be used for manual on, off, and dimming.

DEPLOYMENT

- Please refer to the SmartCast® Deployment Guide at <https://cree.widen.net/s/mvxtfd2pcz/smartcast-wireless-deployment-guide>

PIR Motion Sensor Coverage



Mounting Height - H (Feet)	Motion Sensor Coverage Diameter - D (Feet)		
	Sensitivity - High (Default)	Sensitivity - Medium	Sensitivity - Low
10	20	10	8
12	26	14	12
14	28	15	13
20	38	Not Recommended	Not Recommended

Delivered Lumens & Electrical Data																	
Size	Lumen Package	CRI	Control	Initial Delivered Lumens	Wattage		Current (A)					EB/GT Wattage		EB/GT Current (A)			
					120-277V	120-347V/347V**	120V	208V	240V	277V	347V	120-277V	120V	208V	240V	277V	
2x2	26L	80	10V5	2,600	18	N/A	0.17	0.10	0.08	0.07	N/A	21	0.19	0.11	0.09	0.08	
			10V1, SC1, AWNR, AWNS		18	18	0.17	0.10	0.08	0.07	0.05	21	0.19	0.11	0.09	0.08	
1x4, 2x2, 2x4	30L	80	10V5	3,000	21	N/A	0.19	0.11	0.09	0.08	N/A	24	0.22	0.12	0.11	0.09	
			10V1, SC1, AWNR, AWNS		21	21	0.19	0.11	0.09	0.08	0.06	24	0.22	0.12	0.11	0.09	
1x4, 2x2, 2x4	40L	80	10V5	4,000	27	27	0.24	0.14	0.12	0.10	0.09	30	0.27	0.15	0.13	0.11	
			10V1, SC1, AWNR, AWNS		27	29	0.24	0.14	0.12	0.10	0.09	30	0.27	0.15	0.13	0.11	
1x4, 2x2, 2x4	50L	80	10V5	5,000	35	35	0.31	0.18	0.15	0.13	0.12	38	0.34	0.19	0.17	0.14	
1x4, 2x4			10V1, SC1, AWNR, AWNS		35	35	0.31	0.18	0.15	0.13	0.12	38	0.34	0.19	0.17	0.14	
2x2			10V1, SC1, AWNR, AWNS		40	40	0.32	0.17	0.15	0.13	0.11	43	0.36	0.21	0.18	0.16	
1x4, 2x4	60L	80	10V5	6,000	39	39	0.32	0.18	0.15	0.13	0.10	42	0.35	0.20	0.18	0.15	
			10V1, SC1, AWNR, AWNS		39	41	0.32	0.18	0.15	0.13	0.11	42	0.35	0.20	0.18	0.15	
2x4	70L	80	10V5	7,000	47	47	0.41	0.24	0.20	0.17	0.15	50	0.44	0.25	0.21	0.19	
			10V1, SC1, AWNR, AWNS		47	49	0.41	0.24	0.20	0.17	0.15	50	0.44	0.25	0.21	0.19	
2x4	80L	80	10V5	8,000	54	54	0.47	0.27	0.23	0.20	0.18	57	0.49	0.29	0.25	0.21	
			10V1, SC1, AWNR, AWNS		54	57	0.47	0.27	0.23	0.20	0.18	57	0.49	0.29	0.25	0.21	
2x4	100L	80	10V5	10,000	67	67	0.58	0.34	0.29	0.25	0.22	69	0.61	0.35	0.30	0.26	
			10V1, SC1, AWNR, AWNS		67	70	0.58	0.34	0.29	0.25	0.22	69	0.61	0.35	0.30	0.26	

* Electrical data at 25°C (77°F). Actual wattage and lumens may differ by +/- 10% when operating between 120-277V, 120-347V or 347V +/- 10%.

** 10V5 controls utilize 120-347V driver. Other controls are 347V.

ZR Series Ambient Adjusted Lumen Maintenance ¹						Delivered Emergency Lumens	
Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF	Lumen Package	Approximate Delivered Emergency Lumens
0°C (32°F)	1.04	1.00	0.90	0.81	0.73	26L	1,440
5°C (41°F)	1.04	1.00	0.90	0.81	0.73	30L	1,430
10°C (50°F)	1.03	0.99	0.89	0.80	0.72	40L	1,480
15°C (59°F)	1.02	0.98	0.88	0.79	0.72	50L	1,430
20°C (68°F)	1.01	0.97	0.87	0.79	0.71	60L	1,430
25°C (77°F)	1.00	0.96	0.86	0.78	0.70	70L	1,490
30°C (86°F)	0.99	0.95	0.85	0.77	0.69	80L	1,480
35°C (95°F)	0.98	0.94	0.85	0.76	0.69	100L	1,490

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors.

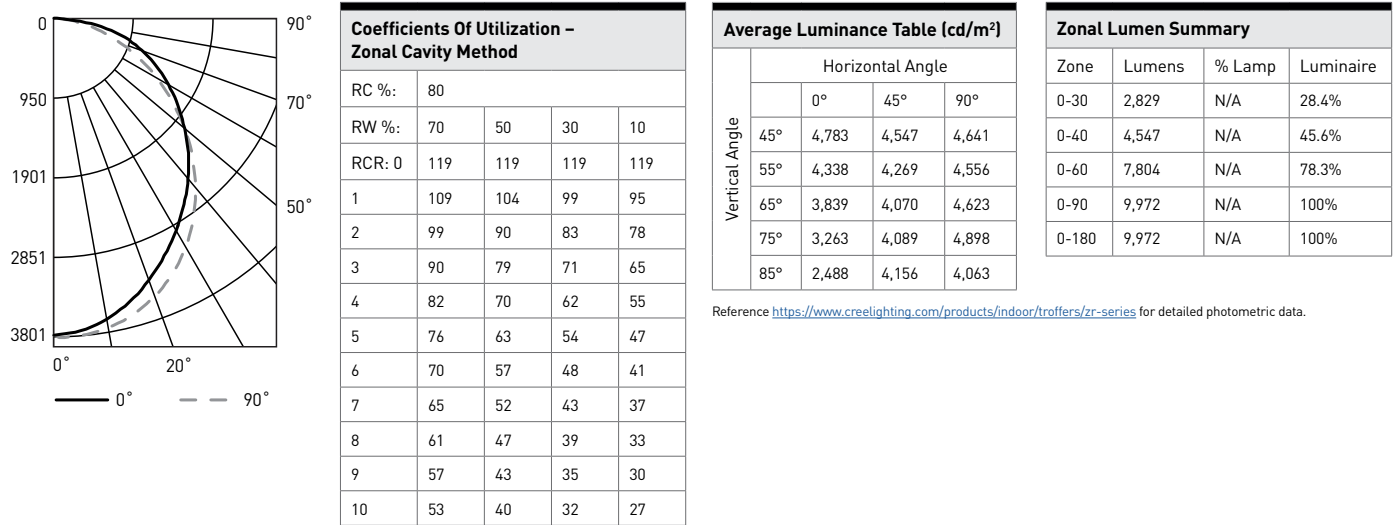
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Photometry

ZR24-D-100L-840-AR-UNV-10V1 BASED ON RESTL REPORT TEST #: PL18334-003B

Luminaire photometry has been conducted in accordance with IES LM-79. IES LM-79 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Average Luminance Table (cd/m²)			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	4,783	4,547	4,641
55°	4,338	4,269	4,556
65°	3,839	4,070	4,623
75°	3,263	4,089	4,898
85°	2,488	4,156	4,063

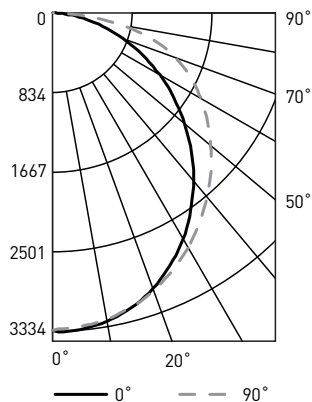
Reference <https://www.creelighting.com/products/indoor/troffers/zr-series> for detailed photometric data.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	2,829	N/A	28.4%
0-40	4,547	N/A	45.6%
0-60	7,804	N/A	78.3%
0-90	9,972	N/A	100%
0-180	9,972	N/A	100%

Photometry

ZR24-D-100L-840-CV-UNV-10V1 BASED ON RESTL REPORT TEST #: PL18334-001B

Luminaire photometry has been conducted in accordance with IES LM-79. IES LM-79 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	108	103	98	94
2	98	89	82	76
3	89	78	69	62
4	81	69	59	52
5	74	61	52	45
6	69	55	46	39
7	64	50	41	35
8	59	45	37	31
9	55	42	33	28
10	52	38	30	25

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m²)				
Vertical Angle	Horizontal Angle			
	0°	45°	90°	
45°	4,195	4,463	4,783	
55°	3,900	4,432	4,979	
65°	3,535	4,579	5,440	
75°	3,023	5,051	6,102	
85°	2,226	5,339	4,627	

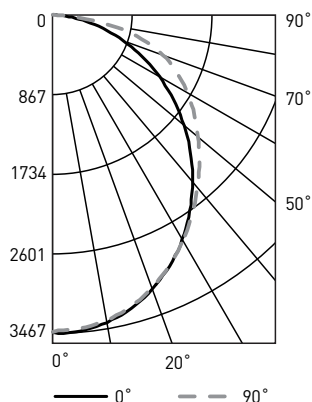
Reference <https://www.creelighting.com/products/indoor/troffers/zr-series> for detailed photometric data.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	2,552	N/A	25.9%
0-40	4,163	N/A	42.2%
0-60	7,397	N/A	75.1%
0-90	9,856	N/A	100%
0-180	9,856	N/A	100%

Photometry

ZR24-D-100L-840-SQ-UNV-10V1 BASED ON RESTL REPORT TEST #: PL18334-002B

Luminaire photometry has been conducted in accordance with IES LM-79. IES LM-79 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	108	103	99	95
2	98	89	82	76
3	89	78	70	63
4	82	69	60	53
5	75	62	53	46
6	69	56	47	40
7	64	50	42	35
8	60	46	37	31
9	56	42	34	28
10	52	39	31	26

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m²)				
Vertical Angle	Horizontal Angle			
	0°	45°	90°	
45°	4,343	4,461	4,620	
55°	4,045	4,380	4,744	
65°	3,685	4,440	5,136	
75°	3,167	4,666	5,614	
85°	2,362	4,085	3,383	

Reference <https://www.creelighting.com/products/indoor/troffers/zr-series> for detailed photometric data.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	2,633	N/A	26.8%
0-40	4,267	N/A	43.4%
0-60	7,493	N/A	76.2%
0-90	9,836	N/A	100%
0-180	9,836	N/A	100%

Application Reference

Open Space						
Spacing	Lumen Package	Initial Delivered Lumens	Wattage	LPW	w/ft²	Average fc
8 x 8	26L	2,600	18	144	0.27	36
	30L	3,000	21	143	0.32	42
	40L	4,000	27	148	0.41	56
	50L	5,000	35	143	0.53	70
8 x 10	26L	2,600	18	144	0.23	30
	30L	3,000	21	143	0.26	35
	40L	4,000	27	148	0.34	47
	50L	5,000	35	143	0.44	58
10 x 10	26L	2,600	18	144	0.18	24
	30L	3,000	21	143	0.21	28
	40L	4,000	27	148	0.27	37
	50L	5,000	35	143	0.35	47
10 x 12	26L	2,600	18	144	0.14	19
	30L	3,000	21	143	0.17	22
	40L	4,000	27	148	0.22	30
	50L	5,000	35	143	0.28	37

10' ceiling: 80/50/20 reflectances; 2.5' workplane, open room. LLF: 1.0 Initial
Open Space: 50' x 40' x 10
Applies to AC, CV and SQ lenses.

Application Reference

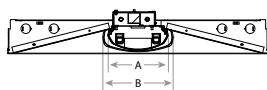
Open Space						
Spacing	Lumen Package	Initial Delivered Lumens	Wattage	LPW	w/ft²	Average fc
8 x 8	60L	6,000	42	143	0.63	56
	70L	7,000	47	149	0.71	65
	80L	8,000	54	148	0.81	74
	100L	10,000	67	149	1.01	93
8 x 10	60L	6,000	42	143	0.53	46
	70L	7,000	47	149	0.59	54
	80L	8,000	54	148	0.68	61
	100L	10,000	67	149	0.84	77
10 x 10	60L	6,000	42	143	0.42	37
	70L	7,000	47	149	0.47	43
	80L	8,000	54	148	0.54	49
	100L	10,000	67	149	0.67	62
10 x 12	60L	6,000	42	143	0.34	29
	70L	7,000	47	149	0.38	34
	80L	8,000	54	148	0.43	39
	100L	10,000	67	149	0.54	49

25' ceiling: 80/50/20 reflectances; 2.5' workplane, open room. LLF: 1.0 Initial
Open Space: 50' x 40' x 10
Applies to AC, CV and SQ lenses.

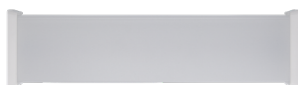
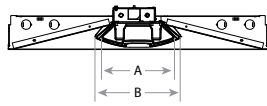
Lens Assembly



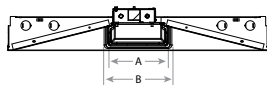
CV



AR

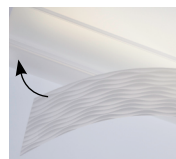


SQ



Lens Assembly Dimensions		
	Lens Width DIM "A"	Endcap Width DIM "B"
CV	7.3" [185mm]	7.9" [200mm]
AR	5.4" [138mm]	6.2" [157mm]
SQ	5.4" [138mm]	6.2" [157mm]

Inner Optic Overlay Diffuser Accessories



Brushed Metal
Striped
Perforated
Wavy
Diffuse

Inner Optic Overlay Diffuser Accessories (for use with AR Lens only)

Field-Installed

For use with 10V1, 10V5 and Awnr Controls

Wavy Inner Optic Diffuser, 10-Pack

FLX-WVD-4 (1x4 & 2x4 luminaires)

FLX-WVD-2 (2x2 luminaires)

Perforated Inner Optic Diffuser, 10-Pack

FLX-PFD-4 (1x4 & 2x4 luminaires)

FLX-PFD-2 (2x2 luminaires)

Diffuse Inner Optic, 10-Pack

FLX-STD-4 (1x4 & 2x4 luminaires)

FLX-STD-2 (2x2 luminaires)

Brushed Metal Inner Optic Diffuser, 10-Pack

FLX-BMD-4 (1x4 & 2x4 luminaires)

FLX-BMD-2 (2x2 luminaires)

Striped Inner Optic Diffuser, 10-Pack

FLX-STRD-4 (1x4 & 2x4 luminaires)

FLX-STRD-2 (2x2 luminaires)

Sample Inner Optic Diffuser Kit

FLX-SMPL-4 (1x4 & 2x4 luminaires)

FLX-SMPL-2 (2x2 luminaires)

- Includes one of each optic overlay diffuse accessory (wavy, perforated, diffuse, brushed metal and striped)

For use with SC1 and Awns Controls

Wavy Inner Optic Diffuser, 10-Pack

FLX-SCLV-WVD-4 (1x4 & 2x4 luminaires)

FLX-SCLV-WVD-2 (2x2 luminaires)

Perforated Inner Optic Diffuser, 10-Pack

FLX-SCLV-PFD-4 (1x4 & 2x4 luminaires)

FLX-SCLV-PFD-2 (2x2 luminaires)

Diffuse Inner Optic, 10-Pack

FLX-SCLV-STD-4 (1x4 & 2x4 luminaires)

FLX-SCLV-STD-2 (2x2 luminaires)

Brushed Metal Inner Optic Diffuser, 10-Pack

FLX-SCLV-BMD-4 (1x4 & 2x4 luminaires)

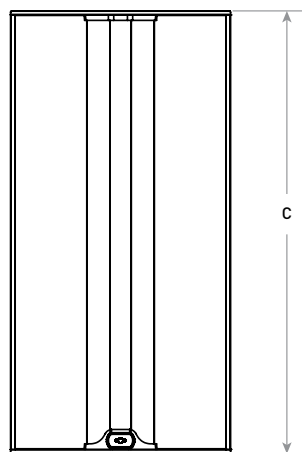
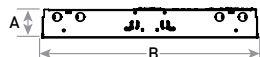
FLX-SCLV-BMD-2 (2x2 luminaires)

Striped Inner Optic Diffuser, 10-Pack

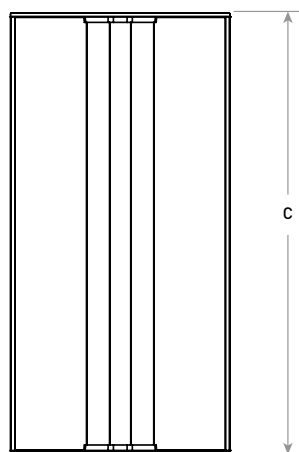
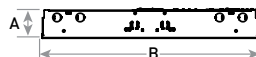
FLX-SCLV-STRD-4 (1x4 & 2x4 luminaires)

FLX-SCLV-STRD-2 (2x2 luminaires)

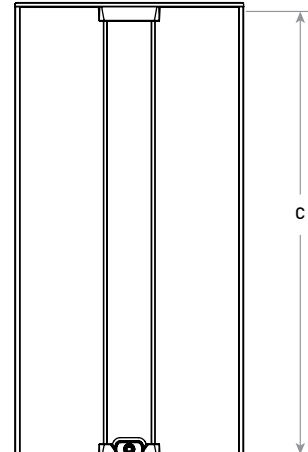
SC1 SMARTCAST® TECHNOLOGY CONTROL SHOWN WITH AR LENS



AWNRS CONTROLS SHOWN WITH AR LENS



AWNRS CONTROLS SHOWN WITH CV LENS



SC1 and Awns Dimensions						
	DIM "A"	DIM "A" w/EB	DIM "B"	DIM "C"	Weight	Weight w/EB
1x4	4.0" [101mm]	4.0" [101mm]	11.7" [298mm]	47.7" [1213mm]	11.0 lbs. [5.0kg]	16.0 lbs. [7.3kg]
2x2	4.0" [101mm]	3.3" [84mm]	23.7" [603mm]	23.8" [604mm]	9.0 lbs. [4.1kg]	14.0 lbs. [6.4kg]
2x4	4.0" [101mm]	3.3" [84mm]	23.7" [603mm]	47.7" [1213mm]	15.0 lbs. [6.8kg]	20.0 lbs. [9.1kg]

Replacement Parts
EB Replacement Kit FLX-EBKIT-10 - Replaces EB driver in existing ZR/FLX luminaires - Available only with UNV voltage

Lens Replacement Kits

			RLK
Product	Lens	Controls	Replacement Lens Kit
FLX14/24 - For use with 1x4 and 2x4 luminaires FLX22 - For use with 2x2 luminaires	CRV - ZR Curve ARC - FLX Arc SQ - Square	BLANK - For use with 10V1, 10V5, LDE1, and AWRN controls SCLV - For use with SC1, VDO, VRF, and AWRN controls	RLK - Replacement Lens Kit

