

FEATURES & SPECIFICATIONS

INTENDED USE — Vandal-resistant, damp location LED troffer for general illumination of potentially physically abusive public spaces and environments such as such as locker rooms, recreational facilities, schools, supervised behavioral centers and other vandal prone areas

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — The 20-gauge cold rolled steel housing, 18-gauge cold rolled steel door frame, tamper-resistant fasteners and polycarbonate lens stand-up to abuse. Durable IK10 rated luminaire. Swing-arms are 18 gauge, unpainted galvanized steel. Polycarbonate lens is UV stabilized and is available in four different thicknesses to meet demanding requirements. All lenses are IK10 rated. Number of visible door fasteners may vary. Tamper-resistant fasteners are TX15 security-type Torx® fasteners requiring a special tool or bit for access. Tool and bit are not included with fixture.

Finish: All CRS (cold rolled steel) parts are finished with electrostatically deposited, thermally set, polyester powder paint after fabrication.

OPTICS — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. Lumen maintenance of L80/60,000 hours, L70>100,000 hours.

ELECTRICAL — Thermally protected, resetting, Class P, UL listed, CSA certified driver is standard.

LED driver delivers dimming from a 0-10V control signal. Dims to 1% standard.

Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015.

Optional integrated nLight controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. nLight AIR is commissioned easily through an intuitive mobile app.

SENSOR — **Integrated sensor (individual control):** Sensor Switch SBG family offers low- or high-mount options and integrated occupancy sensors with optional dimming that can allow the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 5 for more details on the integrated sensor.

Integrated Bluetooth Sensor (individual control): Sensor Switch SBG family offers low- or high-mount options and integrated occupancy sensors with dimming photocells that allow for changing settings using Bluetooth® communication (up to 100 ft. range) using the SensorSwitch VLP mobile app.

Integrated Smart Sensor (nLight Air Wireless Platform): The SBG sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an integrated photocell using Digital Passive Infrared technology for motion detection, and optional dimming.

INSTALLATION — Lay-in grid or in-ceiling sheet rock installation using swing-arms with range from 1" to 2" grid height. See drawings for other critical dimensions. Swing-arms are not intended to secure fixture without additional support. The VRTL utilizes tamper-resistant fasteners to prevent unauthorized access to luminaire. **A TX15 Security Torx Screwdriver or TX15 Security Torx® Bit is required** to remove the door and access the internal luminaire components for installation or service. The TX15 Security Torx® Screwdriver is NOT SUPPLIED with fixture. A TX15 Security Torx® bit is supplied standard.

LISTINGS — CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) or NOM certified. IC rated. Damp location listed standard. For ambient temperature ratings, see chart on page 3.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

LED Recessed Vandal Resistant Troffer

VRTL



Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

VRTL LED Recessed Vandal Resistant Troffer



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2VRTL G L48 15000LM ICW APFL 277 EZ1 40K 80CRI WH

Series		Trim type	Length	Nominal Lumens ‡					
VRTL	Recessed location troffer, 1' wide ‡	G Grid (9/16" - 1 1/2" W x 2" H)	L24 24" ‡	<u>1x4:</u>		<u>2x2:</u>		<u>2x4:</u>	
2VRTL	Recessed location troffer, 2' wide	F Flange	L48 48"	3000LM	3,000 lumens	3000LM	3,000 lumens	3000LM	3,000 lumens
		SMK Surface mount kit factory installed ‡		5000LM	5,000 lumens	5000LM	5,000 lumens	5000LM	5,000 lumens
				7000LM	7,000 lumens	7000LM	7,000 lumens	7000LM	7,000 lumens
				10000LM	10,000 lumens ‡	10000LM	10,000 lumens ‡	10000LM	10,000 lumens ‡
				12000LM	12,000 lumens ‡	12000LM	12,000 lumens ‡	12000LM	12,000 lumens ‡
						15000LM	15,000 lumens ‡	15000LM	15,000 lumens ‡
						18000LM	18,000 lumens ‡	18000LM	18,000 lumens ‡
								24000LM	24,000 lumens ‡
								30000LM	30,000 lumens ‡

Door frame	Diffuser type	Voltage	Driver	Color temperature	Color rendering index
ICW Inset CRS, white	AP125FL Acrylic frosted lens with 1/8" polycarbonate clear lens	MVOLT 120-277V	GZ1 0-10V dimming	30K 3000 K	80CRI 80 CRI
ICB Inset CRS, black	AP250FL Acrylic frosted lens with 1/4" polycarbonate clear lens	120 120V	EZ1 eldoLED 0-10V EC0drive.	35K 3500 K	90CRI 90 CRI
	AP500FL Acrylic frosted lens with 1/2" polycarbonate clear lens	208 208V	Linear dimming to 1% min. ‡	40K 4000 K	
		240 240V		50K 5000 K	
		277 277V			
		347 347V ‡			

Options				Finish	
ETS	Generator Transfer Device (LINK) ‡	<u>Individual Controls:</u> ‡	<u>nLight Wireless:</u> ‡	WH	White
IE10WLCP	EM Self-diagnostics battery pack, 10W, Constant Power Certified in CA Title 20 MAEDBS (LINK) ‡	SBG6 360° High Mount sensor, (15-30' mounting heights), on/off occupancy (LINK)	NLTAIR2 APIRM Embedded wireless controls from nLight; passive Infrared Occ sensor with autodimming photocell for medium mounting height applications (LINK)	DWAM	Antimicrobial, white
SF	Single fusing ‡	SBG10 360° Low Mount Sensor, (8-15' mounting heights), on/off occupancy (LINK)	NLTAIREM2 APIM Embedded wireless controls from nLight with UL924 listed emergency operation; passive Infrared Occ sensor with autodimming photocell for medium mounting height applications (LINK)	DWHXD	Super durable, white,
DF	Double fusing ‡	SBG6 P 360° High Mount Sensor, (15-30' mounting heights), on/off photocell (LINK)	NLTAIRER2 APIRM Embedded wireless controls from nLight with UL924 listed emergency operation via power sense leads; Passive Infrared Occ sensor with autodimming photocell for medium mounting height applications (LINK)		
WL	Wet location	SBG10 P 360° Low Mount Sensor, (8-15' mounting heights), on/off photocell (LINK)	NLTAIR2 APIR Embedded wireless controls from nLight; passive Infrared occ sensor with autodimming photocell for low mounting height applications (LINK)		
NOM	NOM Certified	SBG6 D 3V 360° High Mount sensor, (15-30' mounting heights), high/low occupancy dimming (LINK)	NLTAIREM2 APIR Embedded wireless controls from nLight with UL924 listed emergency operation; Passive Infrared Occ sensor with autodimming photocell for low mounting height applications (LINK)		
RRL_	RELOC®-Ready luminaire (see page 9)	SBG10 D 3V 360° Low Mount sensor, (8-15' mounting heights), high/low occupancy dimming (LINK)	NLTAIRER2 APIR Embedded wireless controls from nLight with UL924 listed emergency operation via power sense leads; passive Infrared Occ sensor with auto dimming photocell for low mounting height applications (LINK)		
SLDM	Step level dimming module, 100% to 50% ‡	<u>Bluetooth Sensors:</u> ‡	NLTAIREM2 APIRH Embedded wireless controls from nLight with UL924 listed emergency operation; passive infrared occ sensor with autodimming photocell for high mounting height applications (LINK)		
AO	Field adjustable output ‡	SBG6 OCC BTP 360° High Mount Sensor, (15-45' mounting heights), on/off occupancy, utilizes smart hub for Bluetooth® programmability (LINK)	NLTAIR2 APIRH Embedded wireless controls from nLight; passive infrared occ sensor with autodimming photocell for high mounting height applications (LINK)		
BAA	Buy America(n) Act and/or Build America Buy America Qualified	SBG10 OCC BTP 360° Low Mount Sensor, (7-15' mounting heights), on/off occupancy, utilizes smart hub for Bluetooth® programmability (LINK)	NLTAIRER2 APIRH Embedded wireless controls from nLight with UL924 listed emergency operation via power sense leads; passive infrared occ sensor with auto-dimming photocell for high mounting height applications (LINK)		
		SBG6 HL BTP 360° High Mount Sensor, (15-45' mounting heights), high/low/ (off) occupancy dimming, utilizes smart hub for Bluetooth® programmability (LINK)	NLTAIR2		
		SBG10 HL BTP 360° Low Mount Sensor, (7-15' mounting heights), high/low/ (off) occupancy dimming, utilizes smart hub for Bluetooth® programmability (LINK)	NLTAIREM2		
		SBG6 ADC BTP 360° High Mount Sensor, (15-45' mounting heights), on/off occupancy with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK)	NLTAIRER2		
		SBG10 ADC BTP 360° Low Mount Sensor, (7-15' mounting heights), on/off occupancy with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK)			
		SBG6 ANL BTP 360° High Mount Sensor, (15-45' mounting heights), high/low/ (off) occupancy dimming with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK)			
		SBG10 ANL BTP 360° Low Mount Sensor, (7-15' mounting heights), high/low/ (off) occupancy dimming with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK)			

VRTL LED Recessed Vandal Resistant Troffer

CONFIGURATIONS

Lumens	1' X 4'	2' X 2'	2' X 4'
3,000LM	X	X	X
5,000LM	X	X	X
7,000LM	X	X	X
10,000LM	X	X	X
12,000LM	X	X	X
15,000LM		X	X
20,000LM		X	X
24,000LM			X
30,000LM			X

Accessories: Order as separate catalog number.	
XRTL XLF L48 XXX FLANGE KIT	Field installable extra-large flange kit, for use with VRTL product utilizing inset doors. ‡
2XRTL XLF L24 XXX FLANGE KIT	Field installable extra-large flange kit for use with 2VRTL L24 fixtures utilizing inset doors. ‡
2XRTL XLF L48 XXX FLANGE KIT	Field installable extra-large flange kit for use with 2VRTL L48 utilizing inset doors. ‡

‡ Option Value Ordering Restrictions

Option Value	Restriction
1x4 10000LM	Not available with SLDM option. Must specify voltage. Not available with MVOLT.
1x4 12000LM	Not available with SLDM option. Must specify voltage. Not available with MVOLT.
2x2 10000LM	Not available with SLDM option. Must specify voltage. Not available with MVOLT.
2x2 12000LM	Not available with SLDM option. Must specify voltage. Not available with MVOLT.
2x2 15000LM	Not available with SLDM or IE10WLCP. Must specify voltage. Not available with MVOLT.
2x2 18000LM	Not available with SLDM or IE10WLCP. Must specify voltage. Not available with MVOLT.
2x4 10000LM	Not available with SLDM.
2x4 12000LM	Not available with SLDM.
2x4 15000LM	Not available with SLDM. Must specify voltage. Not available with MVOLT.
2x4 18000LM	Must specify voltage. Not available with MVOLT.
2x4 24000LM	Not available with SLDM. Must specify voltage. Not available with MVOLT.
2x4 30000LM	Not available with SLDM. Must specify voltage. Not available with MVOLT.
347V	Not available with EZ1, ETS, IE10WLCP, or SLDM options.
AO	Not available with sensors or SLDM options.
DF	Available with 208 and 240V.
ETS	Note available with 347V, SLDM or IE10WCPHE.
EZ1	Not available with 347V option.
Individual Controls	Cannot be used with other control option. Fixture is no longer vandal-resistant when utilizing a sensor option. Not available with VRTL L48 option.
IE10WLCP	Not available with 347V. Not available on 2VRTL L24 with 15000LM or 18000LM. L24 Not available with VRTL. For use in ambient temperatures from 0°C (32°F) to 25°C (77°F).
nLight Wireless	Cannot be used with other control options.
Nominal Lumens	Not all lumen packages are available with every length/width combination. See configuration chart for availability.
SF	Available with 120, 277 or 347V.
SLDM	Not available VRTL L48 with 10000LM or 12000LM, 2VRTL L24 with 10000LM, 12000LM, 15000LM, or 18000LM, 2VRTL L48 10000LM, 12000LM, 15000LM, 18000LM, 24000LM or 30000LM. Not available with 347V, IE10WLCP or ETS options.
SMK	Available with VRTL L48 and 2VRTL L24. Not available with WL option.
VRTL	Only available with L48.
XLF FLANGE KIT	XXX denotes finish. For use with G and F trim types only.

Maximum Ambient Temperatures (Celsius)					
Fixture size	Lumen package	IC rating	Standard fixture including controls	E10WLCP	ETS
1 X4	3000LM	IC	40	30	30
	5000LM	IC	40	30	30
	7000LM	IC	40	30	30
	10000LM	NON-IC	40	25	35
	12000LM	NON-IC	40	25	35
2X2	3000LM	IC	40	30	30
	5000LM	IC	40	30	30
	7000LM	IC	40	30	30
	10000LM	NON-IC	40	25	35
	12000LM	NON-IC	40	25	35
	15000LM	NON-IC	40	N/A	25
2X4	18000LM	NON-IC	35	N/A	N/A
	3000LM	IC	40	30	30
	5000LM	IC	40	30	30
	7000LM	IC	40	30	30
	10000LM	IC	40	30	30
	12000LM	IC	40	30	30
	15000LM	NON-IC	40	25	35
	18000LM	NON-IC	40	25	35
	24000LM	NON-IC	40	25	35
	30000LM	NON-IC	35	N/A	N/A

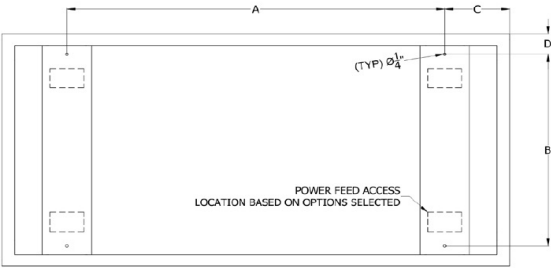
ADJUSTABLE OUTPUT PERFORMANCE

AO	Lumen Output	Wattage
1	19%	19%
2	29%	27%
3	42%	40%
4	55%	53%
5	70%	68%
6	81%	19%
7	95%	94%
8	100%	100%

			Out of the box settings							
Control Type	Sensor Nomenclature	Sensor Used	Unoccupied Time Until Dim	Dim to Off Time Delay	Occupied Dim Level	Unoccupied Dim Level	Daylighting Set Point	Fixture Image with Sensor	Notes	
Standalone	SBG10	SBG 10 EZ WH 0V	5M	n/a	100%	0V	n/a			
	SBG10 D	SBG 10 EZ WH 3V	5M	n/a	100%	30%	n/a			
	SBG10 P	SBG 10 EZ P WH 0V 10M	10M	n/a	100%	0V	5FC			
	SBG6	SBG 6 EZ WH 0V	5M	n/a	100%	0V	n/a			
	SBG6 D	SBG 6 EZ WH 3V	5M	n/a	100%	30%	n/a			
	SBG6 P	SBG 6 EZ P WH 0V 10M	10M	n/a	100%	0V	5FC			
Bluetooth	SBG10 OCC BTP	SBG10 BTP OCC	10M	n/a	10V	n/a	n/a		Not a dimming sensor, so no dim to off, it just goes off	
	SBG10 HL BTP	SBG10 BTP HL	10M	2.5M	10V	10%	n/a			
	SBG10 ADC BTP	SBG10 BTP ADC	10M	2.5M	10V	10%	50FC			
	SBG10 ANL BTP	SBG10 BTP ANL	10M	n/a	10V	10%	50FC		Never off due to occupancy	
	SBG6 OCC BTP	SBG6 BTP OCC	10M	n/a	10V	n/a	n/a		Not a dimming sensor, so no dim to off, it just goes off	
	SBG6 HL BTP	SBG6 BTP HL	10M	2.5M	10V	10%	n/a			
	SBG6 ADC BTP	SBG6 BTP ADC	10M	2.5M	10V	10%	50FC			
	SBG6 ANL BTP	SBG6 BTP ANL	10M	n/a	10V	10%	50FC		Never off due to occupancy	
NLTAIR2	NLTAIR2 APIR	RSBG10	7.5M	2.5M	100%	10%	50FC			
	NLTAIR2 APIRM	RSBG6								
	NLTAIR2 APIRH	RSBG40								
NLTAIREM2	NLTAIREM2 APIR	RSBG10	7.5M	2.5M	100%	10%	50FC			
	NLTAIREM2 APIRM	RSBG6								
	NLTAIREM2 APIRH	RSBG40								
NLTAIRER2	NLTAIRER2 APIR	RSBG10	7.5M	2.5M	100%	10%	50FC			
	NLTAIRER2 APIRM	RSBG6								
	NLTAIRER2 APIRH	RSBG40								
NLTAIR2	NLTAIR2	RIO	n/a	n/a	80%	n/a	n/a		Not a sensor	

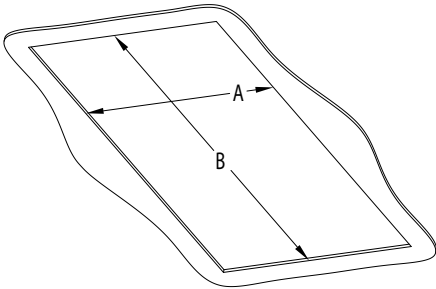
MOUNTING DATA

Surface Mount Dimensions



LUMINAIRE	DIMENSIONS			
	A	B	C	D
2X2	12-3/16"	20-3/8"	6-1/4"	2-3/16"
2X4	38"	20-1/2"	6-1/4"	2-3/16"
1X4	38"	8-3/8"	6-3/4"	2-3/16"

Flange rough-in dimensions



Damp/Dry Location

SIZE	A	B
1x4	11-1/2"	47-1/2"
2x2	23-1/2"	23-1/2"
2x4	23-1/2"	48-1/2"

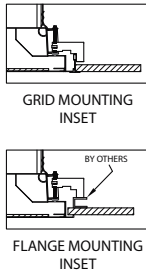
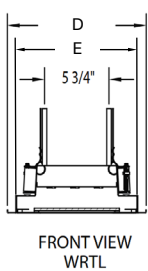
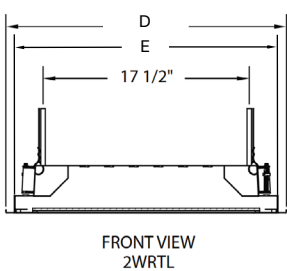
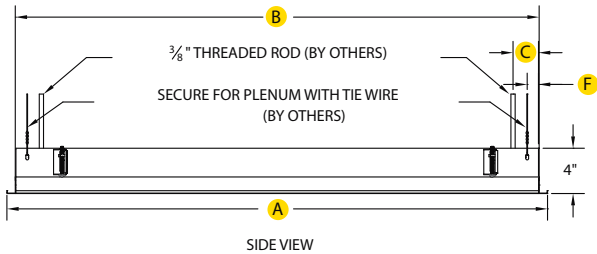
Wet Location

SIZE	A	B
1X4	A = 10 1/2"	B = 46 1/2"
2X2	A = 22 1/2"	B = 22 1/2"
2X4	A = 22 1/2"	B = 46 1/2"

VRTL LED Recessed Vandal Resistant Troffer

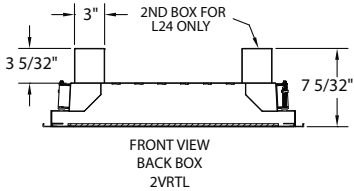
DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.



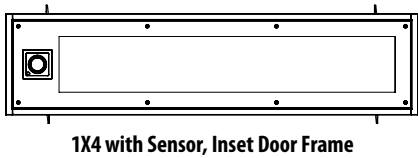
VRTL with wet location

	(A) Flange Length, Inset Door	(A) Flange Length, Overlap Door	(B) Housing Length	(C) Threaded Rod	(D) Flange Width, Inset Door	(D) Flange Width, Overlap Door	(E) Housing Width	(F) Tie Wire
2x4	47.92	47.38	46.47	2 1/4"	23.92	23.38	22.52	1"
1x4	47.92	47.38	46.47	1 1/2"	11.88	11.34	10.47	3/4"
2x2	23.92	23.38	22.52	2 1/4"	23.92	23.38	22.52	1"

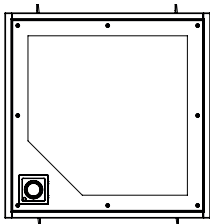


Standard VRTL

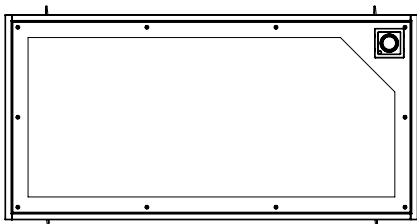
	(A) Flange Length, Inset Door	(A) Flange Length, Overlap Door	(B) Housing Length	(C) Threaded Rod	(D) Flange Width, Inset Door	(D) Flange Width, Overlap Door	(E) Housing Width	(F) Tie Wire
2x4	47.75	47.21	46.30	2 1/4"	23.746	23.21	22.35	1"
1x4	47.75	47.21	46.30	1 1/2"	11.70	11.16	10.30	3/4"
2x2	23.75	23.21	22.35	2 1/4"	23.75	23.21	22.35	1"



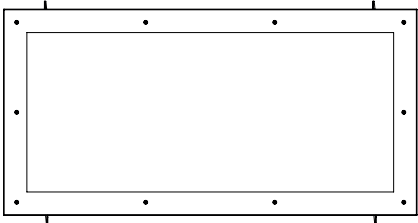
1X4 with Sensor, Inset Door Frame



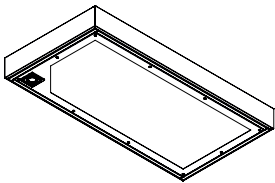
2X2 with Sensor, Inset Door Frame



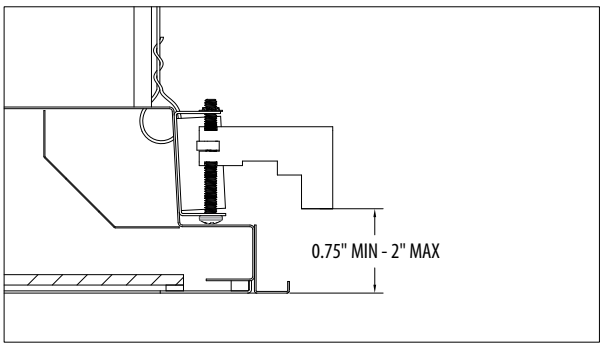
2X4 with Sensor, Inset Door Frame



2X4 Overlap Door



2X4 with Sensor, Inset Door, Surface Mount Kit



Swing-Arm Reach: 1 3/4"
Swing-arm adjustable range: .75" - 2"

Weight: (may vary with options or accessories)
1x4: 38 lbs (17.2kg)
2x2: 38 lbs (17.2kg)
2x4: 57 lbs (25.6kg)

PHOTOMETRICS

See www.Acuitybrands.com
Photometry files include UGR rating chart.

OPERATIONAL DATA

VRTL 1 X 4					CCT	3000K		3500K		4000K		5000K	
					CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
Series	Fixture length	Lumen package	Voltage	Lens	Wattage	Nominal Lumens							
VRTL	L48	3000LM	347	AP125FL	28	3088	2702	3130	2766	3216	2809	3281	2916
				AP250FL		3144	2751	3188	2817	3275	2860	3341	2970
				AP375FL		2990	2616	3031	2678	3114	2720	3176	2824
				AP500FL		2925	2560	2966	2621	3047	2661	3108	2763
			MVOLT	AP125FL	27	3088	2702	3130	2766	3216	2809	3281	2916
				AP250FL		3144	2751	3188	2817	3275	2860	3341	2970
				AP375FL		2990	2616	3031	2678	3114	2720	3176	2824
				AP500FL		2925	2560	2966	2621	3047	2661	3108	2763
		5000LM	347	AP125FL	47	4921	4306	4989	4408	5126	4476	5228	4647
				AP250FL		5011	4385	5081	4489	5220	4559	5324	4733
				AP375FL		4765	4169	4831	4268	4963	4334	5062	4500
				AP500FL		4662	4080	4727	4177	4857	4241	4954	4403
			MVOLT	AP125FL	46	4921	4306	4989	4408	5126	4476	5228	4647
				AP250FL		5011	4385	5081	4489	5220	4559	5324	4733
				AP375FL		4765	4169	4831	4268	4963	4334	5062	4500
				AP500FL		4662	4080	4727	4177	4857	4241	4954	4403
		7000LM	347	AP125FL	65	6851	5995	6946	6137	7136	6232	7279	6470
				AP250FL		6977	6104	7073	6250	7267	6347	7413	6589
				AP375FL		6634	5804	6726	5943	6910	6035	7048	6265
				AP500FL		6491	5680	6581	5815	6762	5905	6897	6131
			MVOLT	AP125FL	62	6851	5995	6946	6137	7136	6232	7279	6470
				AP250FL		6977	6104	7073	6250	7267	6347	7413	6589
				AP375FL		6634	5804	6726	5943	6910	6035	7048	6265
				AP500FL		6491	5680	6581	5815	6762	5905	6897	6131
		10000LM	347	AP125FL	97	9723	8507	9858	8710	10128	8845	10330	9183
				AP250FL		9901	8663	10038	8870	10314	9007	10520	9351
				AP375FL		9414	8237	9545	8434	9806	8564	10003	8891
				AP500FL		9212	8061	9340	8253	9596	8381	9788	8700
			MVOLT	AP125FL	87	9723	8507	9858	8710	10128	8845	10330	9183
				AP250FL		9901	8663	10038	8870	10314	9007	10520	9351
				AP375FL		9414	8237	9545	8434	9806	8564	10003	8891
				AP500FL		9212	8061	9340	8253	9596	8381	9788	8700
		12000LM	347	AP125FL	103	11626	10173	11788	10415	12111	10577	12353	10980
				AP250FL		11839	10360	12004	10606	12333	10771	12579	11182
				AP375FL		11257	9850	11414	10085	11726	10241	11961	10632
				AP500FL		11016	9639	11169	9868	11475	10021	11704	10404
			MVOLT	AP125FL	107	11626	10173	11788	10415	12111	10577	12353	10980
				AP250FL		11839	10360	12004	10606	12333	10771	12579	11182
				AP375FL		11257	9850	11414	10085	11726	10241	11961	10632
				AP500FL		11016	9639	11169	9868	11475	10021	11704	10404

OPERATIONAL DATA

VRTL 2 X 2					CCT	3000K		3500K		4000K		5000K	
					CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
Series	Fixture length	Lumen package	Voltage	Lens	Wattage	Nominal Lumens							
2VRTL	L24	3000LM	347	AP125FL	27	2942	2574	2983	2636	3065	2677	3126	2779
				AP250FL		2868	2510	2908	2569	2988	2609	3047	2709
				AP375FL		2725	2384	2762	2441	2838	2479	2895	2573
				AP500FL		2611	2285	2647	2339	2720	2375	2774	2466
			MVOLT	AP125FL	26	2942	2574	2983	2636	3065	2677	3126	2779
				AP250FL		2868	2510	2908	2569	2988	2609	3047	2709
				AP375FL		2725	2384	2762	2441	2838	2479	2895	2573
				AP500FL		2611	2285	2647	2339	2720	2375	2774	2466
		5000LM	347	AP125FL	44	4803	4203	4870	4303	5004	4370	5104	4537
				AP250FL		4683	4097	4748	4195	4878	4260	4975	4422
				AP375FL		4448	3892	4510	3985	4633	4047	4726	4201
				AP500FL		4263	3730	4322	3819	4441	3878	4530	4026
			MVOLT	AP125FL	42	4803	4203	4870	4303	5004	4370	5104	4537
				AP250FL		4683	4097	4748	4195	4878	4260	4975	4422
				AP375FL		4448	3892	4510	3985	4633	4047	4726	4201
				AP500FL		4263	3730	4322	3819	4441	3878	4530	4026
		7000LM	347	AP125FL	65	6869	6010	6965	6154	7155	6249	7298	6488
				AP250FL		6696	5859	6789	5999	6975	6092	7115	6324
				AP375FL		6361	5566	6449	5698	6626	5787	6759	6008
				AP500FL		6096	5334	6181	5461	6350	5546	6478	5758
			MVOLT	AP125FL	60	6869	6010	6965	6154	7155	6249	7298	6488
				AP250FL		6696	5859	6789	5999	6975	6092	7115	6324
				AP375FL		6361	5566	6449	5698	6626	5787	6759	6008
				AP500FL		6096	5334	6181	5461	6350	5546	6478	5758
		10000LM	347	AP125FL	98	9612	8410	9745	8610	10012	8744	10212	9078
				AP250FL		9370	8199	9500	8394	9760	8524	9955	8849
				AP375FL		8901	7788	9024	7974	9272	8097	9457	8406
				AP500FL		8531	7464	8649	7645	8886	7760	9064	8057
			MVOLT	AP125FL	90	9612	8410	9745	8610	10012	8744	10212	9078
				AP250FL		9370	8199	9500	8394	9760	8524	9955	8849
				AP375FL		8901	7788	9024	7974	9272	8097	9457	8406
				AP500FL		8531	7464	8649	7645	8886	7760	9064	8057
		12000LM	347	AP125FL	114	11730	10264	11893	10508	122219	10671	12463	11078
				AP250FL		11435	10005	11594	10244	11911	10402	12149	10800
				AP375FL		10862	9505	11013	9731	11315	9882	11541	10259
				AP500FL		10411	9109	10555	9326	10844	9471	11061	9832
			MVOLT	AP125FL	108	11730	10264	11893	10508	122219	10671	12463	11078
				AP250FL		11435	10005	11594	10244	11911	10402	12149	10800
				AP375FL		10862	9505	11013	9731	11315	9882	11541	10259
				AP500FL		10411	9109	10555	9326	10844	9471	11061	9832
		15000LM	347	AP125FL	146	14470	12661	14671	12962	15073	13163	15374	13666
				AP250FL		14106	12342	14301	12636	14693	12832	14987	13322
				AP375FL		13399	11724	13585	12004	13958	12190	14237	12655
				AP500FL		12842	11237	13020	11504	13377	11683	13645	12129
			MVOLT	AP125FL	137	14470	12661	14671	12962	15073	13163	15374	13666
				AP250FL		14106	12342	14301	12636	14693	12832	14987	13322
				AP375FL		13399	11724	13585	12004	13958	12190	14237	12655
				AP500FL		12842	11237	13020	11504	13377	11683	13645	12129
		18000LM	347	AP125FL	157	15682	13721	15899	14048	16335	14266	16662	14810
				AP250FL		15287	13376	15499	13695	15924	13907	16242	14438
				AP375FL		14522	12706	14723	13009	15127	13211	15429	13715
				AP500FL		13918	12178	14111	12468	14498	12661	14788	13144
			MVOLT	AP125FL	143	15682	13721	15899	14048	16335	14266	16662	14810
				AP250FL		15287	13376	15499	13695	15924	13907	16242	14438
				AP375FL		14522	12706	14723	13009	15127	13211	15429	13715
				AP500FL		13918	12178	14111	12468	14498	12661	14788	13144

OPERATIONAL DATA

VRTL 2 X 4					CCT	3000K		3500K		4000K		5000K	
Series	Fixture length	Lumen package	Voltage	Lens	CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
					Wattage	Nominal Lumens							
2VRTL	L48	3000LM	347	AP125FL	24	3005	2629	3047	2692	3130	2734	3193	2838
				AP250FL		3050	2669	3092	2732	3177	2774	3240	2880
				AP375FL		2822	2469	2861	2528	2940	2567	2998	2665
				AP500FL		2742	2399	2780	2456	2856	2494	2913	2589
			MVOLT	AP125FL	24	3005	2629	3047	2692	3130	2734	3193	2838
				AP250FL		3050	2669	3092	2732	3177	2774	3240	2880
				AP375FL		2822	2469	2861	2528	2940	2567	2998	2665
				AP500FL		2742	2399	2780	2456	2856	2494	2913	2589
		5000LM	347	AP125FL	42	4926	4311	4995	4413	5132	4482	5234	4653
				AP250FL		5000	4375	5069	4479	5208	4549	5312	4722
				AP375FL		4627	4048	4691	4145	4819	4209	4916	4370
				AP500FL		4495	3933	4557	4027	4682	4089	4776	4245
			MVOLT	AP125FL	41	4926	4311	4995	4413	5132	4482	5234	4653
				AP250FL		5000	4375	5069	4479	5208	4549	5312	4722
				AP375FL		4627	4048	4691	4145	4819	4209	4916	4370
				AP500FL		4495	3933	4557	4027	4682	4089	4776	4245
		7000LM	347	AP125FL		6940	6072	7036	6217	7229	6313	7373	6554
				AP250FL		7043	6163	7141	6309	7337	6407	7483	6652
				AP375FL		6517	5703	6608	5838	6789	5929	6925	6155
				AP500FL		6332	5540	6420	5672	6595	5760	6727	5980
			MVOLT	AP125FL	59	6940	6072	7036	6217	7229	6313	7373	6554
				AP250FL		7043	6163	7141	6309	7337	6407	7483	6652
				AP375FL		6517	5703	6608	5838	6789	5929	6925	6155
				AP500FL		6332	5540	6420	5672	6595	5760	6727	5980
		10000LM	347	AP125FL	91	9887	8651	10025	8857	10299	8995	10505	9338
				AP250FL		10035	8781	10174	8990	10453	9129	10662	9477
				AP375FL		9286	8125	9415	8318	9673	8447	9866	8770
				AP500FL		9021	7894	9146	8081	9397	8207	9585	8520
			MVOLT	AP125FL	88	9887	8651	10025	8857	10299	8995	10505	9338
				AP250FL		10035	8781	10174	8990	10453	9129	10662	9477
				AP375FL		9286	8125	9415	8318	9673	8447	9866	8770
				AP500FL		9021	7894	9146	8081	9397	8207	9585	8520
		12000LM	347	AP125FL	107	11922	10432	12088	10680	12419	10846	12667	11260
				AP250FL		12100	10587	12268	10839	12604	11007	12856	11428
				AP375FL		11196	9797	11352	10030	11663	10186	11896	10574
				AP500FL		10877	9518	11029	9744	11331	9895	11557	10273
			MVOLT	AP125FL	107	11922	10432	12088	10680	12419	10846	12667	11260
				AP250FL		12100	10587	12268	10839	12604	11007	12856	11428
				AP375FL		11196	9797	11352	10030	11663	10186	11896	10574
				AP500FL		10877	9518	11029	9744	11331	9895	11557	10273
		15000LM	347	AP125FL	131	14721	12881	14926	13188	15335	13392	15642	13904
				AP250FL		14941	13073	15149	13385	15564	13592	15875	14111
				AP375FL		13826	12097	14018	12385	14402	12577	14690	13057
				AP500FL		13432	11753	13618	12033	13991	12219	14271	12686
			MVOLT	AP125FL	128	14721	12881	14926	13188	15335	13392	15642	13904
				AP250FL		14941	13073	15149	13385	15564	13592	15875	14111
				AP375FL		13826	12097	14018	12385	14402	12577	14690	13057
				AP500FL		13432	11753	13618	12033	13991	12219	14271	12686
		18000LM	347	AP125FL	162	17600	15400	17845	15767	18333	16011	18700	16622
				AP250FL		17863	15630	18111	16002	18607	16250	18979	16870
				AP375FL		16529	14463	16759	14807	17218	15037	17562	15611
				AP500FL		16058	14051	16281	14385	16727	14608	17062	15166
			MVOLT	AP125FL	155	17600	15400	17845	15767	18333	16011	18700	16622
				AP250FL		17863	15630	18111	16002	18607	16250	18979	16870
				AP375FL		16529	14463	16759	14807	17218	15037	17562	15611
				AP500FL		16058	14051	16281	14385	16727	14608	17062	15166
		24000LM	347	AP125FL	216	23602	20651	23929	21143	24585	21471	25077	22290
				AP250FL		23954	20959	24286	21458	24952	21791	25451	22623
				AP375FL		22165	19395	22473	19856	23089	20164	23551	20934
				AP500FL		21534	18842	21833	19291	22431	19590	22880	20338
			MVOLT	AP125FL	208	23602	20651	23929	21143	24585	21471	25077	22290
				AP250FL		23954	20959	24286	21458	24952	21791	25451	22623
				AP375FL		22165	19395	22473	19856	23089	20164	23551	20934
				AP500FL		21534	18842	21833	19291	22431	19590	22880	20338
		30000LM	347	AP125FL	246	28951	25332	29353	25935	30157	26337	30760	27342
				AP250FL		29382	25710	29790	26322	30607	26730	31219	27750
				AP375FL		27189	23790	27566	24357	28322	24734	28888	25678
				AP500FL		26414	23313	26781	23663	27515	24030	28065	24947
			MVOLT	AP125FL	255	28951	25332	29353	25935	30157	26337	30760	27342
				AP250FL		29382	25710	29790	26322	30607	26730	31219	27750
				AP375FL		27189	23790	27566	24357	28322	24734	28888	25678
				AP500FL		26414	23313	26781	23663	27515	24030	28065	24947

RRL - RELOC®-Ready Luminaire

- RRL connectors to be used with the OnePass system.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.
- VRTL products required armored cable Reloc



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RRLA

Series		Wiring instructions	
RRL	RELOC®-ready luminaire	A	Hot conductor wired to position #1 (phase A); non-dimming
		B	Hot conductor wired to position #2 (phase B); non-dimming
		AE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming ¹
		C12S	Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming ²

- Notes
- 1 AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have battery option.
 - 2 C12S option is used with the OnePass for 0-10V/DALI applications. Not for use with dimming sensors.