

## VIAVAI DUO ADA SURFACE SYSTEM SPECIFICATION SHEET

PROJECT	_____
TYPE	_____
NOTES	_____
QUANTITY	_____
DATE	_____



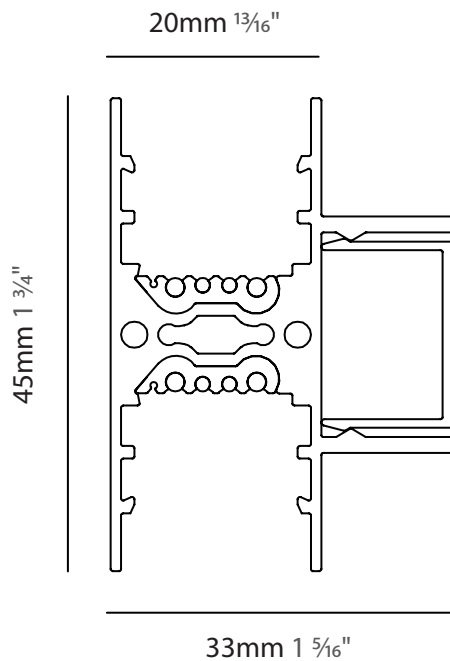
### ARCHITECTURAL | VIAVAI DUO ADA

VIAVAI DUO ADA is a linear system, characterized by its innovative solutions and extremely reduced profile. The system combines direct and indirect lighting. Installation is straightforward with an intuitive snap system. The track's unique design enables LED sources and boards to be powered at any point along the track, and it can be easily cut to size by a qualified technician.

Viavai's LED board offer a satin opal diffuser. If ADA is not required, the version with light inserts include the Bob, Mini, Zoom, and a linear Dark light source - offering virtually endless options to create a bespoke luminaire ideally suited for your project. Viavai achieves a continuous, interrupted light effect across the entire system.



### SYSTEM PROFILE



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### SYSTEM GUIDE

To make your product selection and complete system specification, proceed with the following:  
 review system options, create your system code in the field below and include your quantity.  
 For the inserts and components, use the field beside each product name.  
 Submit to quotes@zaneen.com to receive a formal BOM and finalized model numbers.

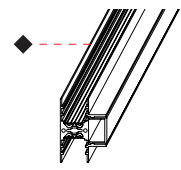


UPON REQUEST  
 Additional Options \_\_\_\_\_  
 \_\_\_\_\_ Color Temperature

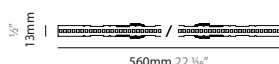

EXAMPLE A7VIAV-DUO-SUR-SYS-ADA-UNV-DN-1'-S-BLK

**SYSTEM BUILD CODE: A7VIAV-DUO-SUR-SYS-ADA- \_\_\_\_\_ qty**

<b>ELECTRICAL</b>	<b>Voltage</b> <b>UNV - 120/277V</b> <b>120 - 120V</b>	<b>Dimming</b> <b>DN - Non Dim</b> <b>DV - 0-10V (100-1%)</b> <b>DD - DALI (100-1%)</b>	<b>Circuit</b> <b>EMCIR - Emergency Circuit</b>
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<b>LAYOUT</b>	<b>Run Shapes*</b> <b>S</b> _____ ' Straight <b>L</b> _____ 'x _____ ' <b>U</b> _____ 'x _____ 'x _____ ' <b>R</b> _____ 'x _____ ' Rectangle <b>PAT - Custom Pattern</b> (Consult factory with drawings)	<b>System Finish</b> Profile <b>◆</b> _____ (2 colors)  See page 8 for color options and use 3 digit letters to indicate your choices	<b>Notes</b> As this is a Duo system with Direct and Indirect track, please indicate in drawings the direction of the light preference
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\*The closest possible length will be provided based on the standard track lengths available (1000mm 39 3/8", 2000mm 78 3/4", 3000mm 118 1/8").

<b>INSERTS</b>	<b>VIAVAI LINEAR LED</b> <b>LINEAR LED 9W</b> Wattage: 9W 	<b>INSERT BUILD CODE EXAMPLE:</b> A7T00068-DN-27K	<b>A7900098-</b>	qty <b>Delivered Lumen (lm)</b>
	<b>Dimming</b> <b>DN - Non Dim</b> <b>DV - 0-10V</b>	<b>CCT - 95 CRI</b> <b>27K - 2700K</b> <b>30K - 3000K</b>	2700K 1080 3000K 1152	
<b>INSERTS</b>	<b>VIAVAI LINEAR LED</b> <b>LINEAR LED 13W</b> Wattage: 13W 	<b>A7900099-</b>	qty <b>Delivered Lumen (lm)</b>	
	<b>Dimming</b> <b>DN - Non Dim</b> <b>DV - 0-10V</b>	<b>CCT - 95 CRI</b> <b>27K - 2700K</b> <b>30K - 3000K</b>	2700K 1512 3000K 1656	

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VIAVAI LINEAR LED		FINISHES OPTIONS: See page 8 for color options and use 3 digit letters to indicate your choices	
<b>INSERTS</b>	<b>LINEAR LED 17W</b>	<b>A7900100-</b>	qty
	Wattage: 17W	Dimming	CCT - 95 CRI
	<b>DN - Non Dim</b>	<b>27K - 2700K</b>	Delivered Lumen (lm)
	<b>DV - 0-10V</b>	<b>30K - 3000K</b>	2700K   2016
			3000K   2088
<b>ACCESSORY</b>	<b>SATIN OPAL DIFFUSER</b>	<b>A7900114</b>	qty
	Description	Extruded polycarbonate, they close the electrified track at the level of the outermost profile.	
VIAVAI DARK LIGHT			
<b>COMPONENTS</b>	<b>DARK LIGHT</b>	<b>A7xxxxxx-</b>	qty
	Wattage: 11W	Dimming	CCT - 90 CRI
	<b>DN - Non Dim</b>	<b>27K - 2700K</b>	Delivered Lumen (lm)
	<b>DV - 0-10V</b>	<b>30K - 3000K</b>	2700K   1100
			3000K   1200

<b>COMPONENTS</b>	<b>CLOSING PROFILE</b>	<b>A7900073-</b>	qty
	Finish	Description	
	◆ _____ (2 colors)	Extruded polycarbonate, flush with the track.	
<b>COMPONENTS</b>	<b>INTERNAL CLOSING PROFILE</b>	<b>A7900074-</b>	qty
	Finish	Description	
	◆ _____ (2 colors)	Extruded polycarbonate, internal with the track.	

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### SYSTEM SUMMARY

#### System

##### Type

Surface  
Rated for Dry Locations Ceiling and Wall Mounted

##### Approval Status

Certified to North American Standards

##### Emission

Refer to emission icon beside each light insert and symbol legend for descriptions

#### Profile

##### Measurement

w 33mm (1 3/16") x ht. 45mm (1 3/4")

##### Housing

Anodized extruded aluminum profile up to 3000mm (9' 10 1/16") long profiles are joined by coupler to ensure uniform appearance and easy installation

#### Electrical

##### Connections

Luminaries are pre-wired by factory

##### Power Feed

Located at the end of the rail attached to the adapter of the power feed.  
If a different location is required, please specify.  
A connector is located on one end of the 48V profile channel to carry the electrical power from the supply unit - there is 202mm of unusable space for inserts from the end cap.

Linear connector takes 176mm of unusable space.  
L connector takes 102mm x 102mm of unusable space.  
3 Wires - non-dimming  
5 Wires - Dimming

##### LED Driver

Driver Included with Power Supply Unit (Non-dimming only). 0-10V driver must be remote with supplied enclosure. Maximum distance between the power supply and the last fixture on the circuit is 30' using a 18-gauge wire. For more than 30', the gauge of the wire must be determined by a certified professional. The length of the fixture specified must be considered within the maximum distance of 3'.  
Provisions must be made on site for accessibility to the power supplies.  
Electronic Class 2 driver, Universal 120V/277V  
Non Dimming Driver and Dimming Driver.  
Consult factory for driver cutsheet  
If a different driver is required, please specify

##### Emergency Inverter Compatible

To be installed remotely, and provided by others  
It can be located up to 250m away from the fixture

Emergency circuit wiring is available upon request (Isolated track with dedicated driver used for emergency circuit will connect to emergency battery pack - supplied by others)

#### General

##### Features

The VIAVAI DUO ADA track is made of extruded aluminum and finished with epoxy paint in black and white. It is cuttable to size. By combining low voltage track functionality with the practicality of linear lighting profiles, Viavia offers multiple solutions within a single product.

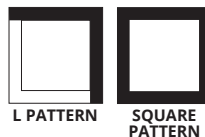
##### Custom Requests and Additional Options

Availability depends by insert, system, and configuration  
Must consult factory and allow up to 5 business days for an answer

Special finish colors, light inserts with different outputs

##### Configuration

Consult factory for patterns or custom designs  
Provide configuration drawings



\*Shop drawings provided upon receiving purchase order

#### Warranty

ZANEEN provides a limited warranty from date of purchase to original purchaser

**LED Inserts:** 5 year tested for 50,000 hours at 70% lumen output (L70)

**LED Driver:** 5 year

**Non-Electrical Components:** 1 year

\*Check boxes to complete specification order and submit to quotes@zaneen.com to receive a formal BOM and a finalized model number

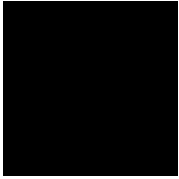
\*In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

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### FINISH COLORS






































































Black - **BLK**













White - **WHI**













### LEGEND

	floor-mounted		pivotal		special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
	wall and ceiling: recessed and surface mounted		rotating		warm dim / natural dimming LED
	ceiling-mounted and wall-mounted		illuminate tilted		rechargeable battery powered
	wall-mounted		color of suspension cable		fixture with natural vivid LED (upon request)
	omni-directional light distribution		length of suspension cable		color rendering index
	direct light distribution		reflector degree selection		color temperature
	direct/indirect light distribution		super spot		lumen (luminous flux)
	indirect light distribution		lens		efficacy (lumens per watt)
	asymmetric light distribution		lens pack		Unified Glare Rating (UGR) range from 5-40
	aura light distribution		shine ring		marine grade (AISI 316 stainless steel)
	round wall or ceiling cut-out		integrated shine ring with diffuser		walk on
	square wall or ceiling cut-out		free individual colors 01-29		drive on
	the supplied jig specifies the cutout dimensions		individual colors: 00 (free of charge), 01-25 (extra charge)		Dark Sky Compliance
	minimum distance (meters) lamp - object		luminaire part to be colored (F1)		Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)		acoustic material
	dimnable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
	included or excluded LED driver/transformer/control gear		color of 3-circuit adaptor		protection class II, protection insulation
	separately switchable		indirect diffuser		ETL Certified to UL and CSA Standards
	sensor		direct diffuser		UL Certified to UL and CSA Standards
	remote control		ball-proof (upon request)		CSA Certified to UL and CSA Standards
	available upon request		accessory		Certified for North American Standards

### IP RATING

	protected against ingress of solid bodies greater than 12.5mm (finger)
	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
	protected against ingress of dust protected against jets of water
	protected against ingress of dust protected against powerful jets of water or heavy seas
	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
	protected against ingress of dust protected against immersion of water under pressure for long periods

### IK RATING

	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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### WIRING DIAGRAMS

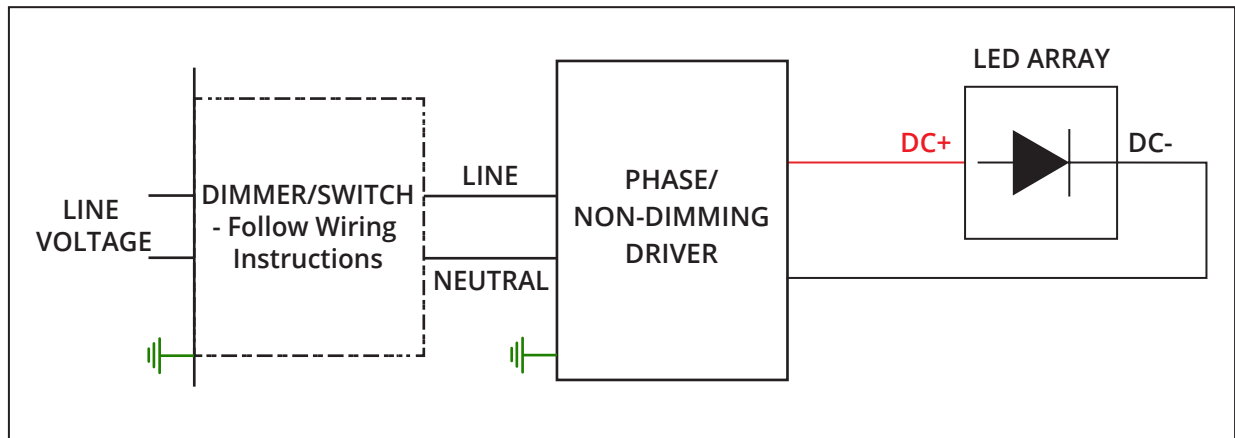
ALL ZANEEN FIXTURES ARE MANUFACTURED TO NORTH AMERICAN ELECTRICAL STANDARDS

Post Sales Support  
HQ 1-800-388-3382 X 625 support@zaneen.com

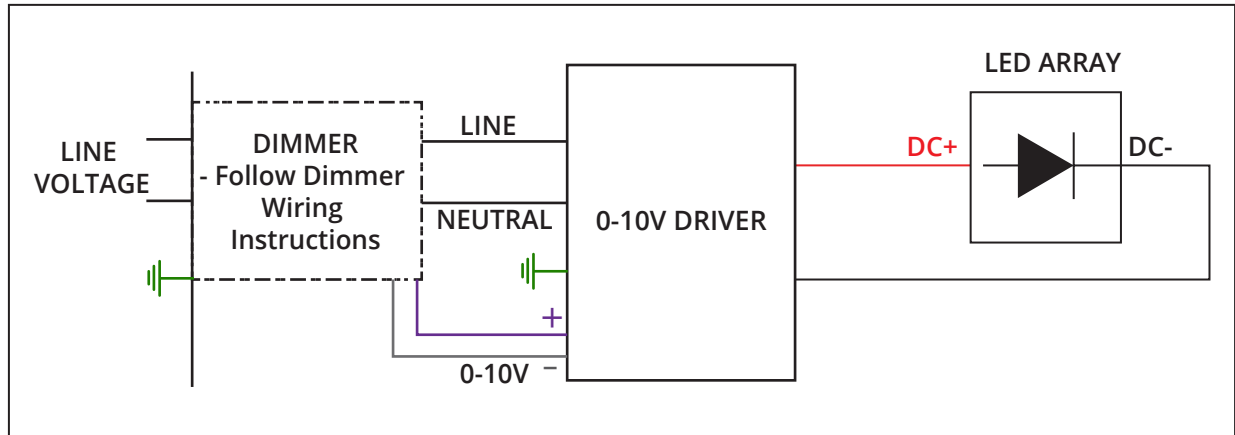
#### IMPORTANT

- Do NOT connect directly to line voltage
- There is a minimum and maximum load per driver (See fixture and driver specifications).
- Fixture MUST be connected to LED driver, prior to turning power on

#### PHASE/NON-DIMMING WIRING DIAGRAM



#### 0-10V DIMMING WIRING DIAGRAM



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Insert custom drawing here or attach with additional pages

