

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## TETRA INCASSO RECESSED

**E91368-** \_\_\_\_\_ - \_\_\_\_\_  
 base number    Color    Lens  
                          Temperature    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

### GENERAL

Series: Tetra  
 Subseries: Tetra Incasso  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Recessed  
 Mounting Location: In-Ground  
 Subcategory: Drive Over

### PHYSICAL

Shape: Rectangle  
 Length (mm): 1000  
 Length (in): 39 <sup>3</sup>/<sub>8</sub>  
 Width (mm): 130  
 Width (in): 5 <sup>1</sup>/<sub>8</sub>  
 Height (mm): 68  
 Height (in): 2 <sup>11</sup>/<sub>16</sub>  
 Light Distribution: Uplight  
 Weight (kg): 5.5  
 Weight (lbs): 12.12  
 Load Resistance (kg): 2000  
 Load Resistance (lbs): 4409  
 Installation Requirement: Installation in sleeve set in concrete with a 20 - 30 cm / 8 - 12 inches gravel drain bed  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: SST  
 Fixture Material: Extruded Aluminum

### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 47  
 Total Output Wattage (W): 16  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

### LED

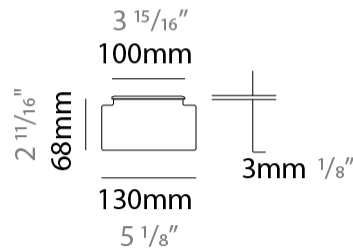
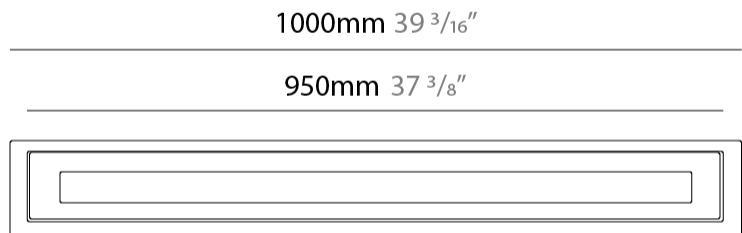
Number of LEDs: 36  
 Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 1300 - 3230  
 Nominal Lumen (lm): 5040 / 5220  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

### OPTICAL

Optic°: 12 / 26 / 40 / ELI / ASY

### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP67  
 IK Rating: IK10  
 Bug Rating: B0 U5 G0



## TETRA INCASSO RECESSED

### E91399-

base number Color Lens  
 Temperature Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Tetra  
 Subseries: Tetra Incasso  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Recessed  
 Mounting Location: In-Ground  
 Subcategory: Walk Over

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 450  
 Length (in): 17 3/4  
 Width (mm): 130  
 Width (in): 5 1/8  
 Height (mm): 68  
 Height (in): 2 11/16  
 Light Distribution: Uplight  
 Weight (kg): 3.1  
 Weight (lbs): 6.8  
 Load Resistance (kg): 500  
 Load Resistance (lbs): 1102  
 Installation Requirement: Installation in sleeve set in concrete with a 20 - 30 cm / 8 - 12 inches gravel drain bed  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: SST  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 9.8 (Asy) / 13.5  
 Total Output Wattage (W): 8 (Asy) / 12  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - 120 / 277Vac  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350  
 Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]) Remote: 0-10Vdc dimming

#### LED

Number of LEDs: 12  
 Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 1030 / 1070  
 Nominal Lumen (lm): 1680 / 1740  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

#### OPTICAL

Optic: 12 / 26 / 40 / ELI / ASY

#### RATINGS AND CERTIFICATIONS

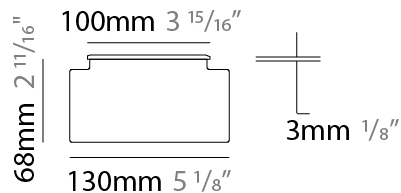
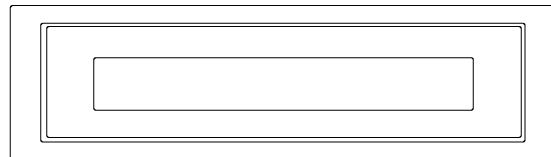
Certified By: Certified for North American Standards  
 IP rating: IP67  
 IK Rating: IK10  
 Bug Rating: BU460

Zaneen Inc. 10000 Hwy 101, Suite 100, San Diego, CA 92126, T 1800-388-3382, F 416-247-9319, www.zaneen.com



450mm 17 11/16"

400mm 15 3/4"



## TETRA LINEAR SURFACE

### E9W177-

base number    Color    Finish    Lens  
 Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Tetra  
 Subseries: Tetra Linear  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wallwash

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 904  
 Length (in): 35 5/16  
 Width (mm): 65  
 Width (in): 2 9/16  
 Height (mm): 65  
 Depth (mm): 136  
 Height (in): 2 9/16  
 Depth (in): 5 3/8  
 Light Distribution: Adjustable / Direct  
 Weight (kg): 5.8  
 Weight (lbs): 12.8  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: [BLK / WHI / GRY / COR / ANT / BRZ](#)  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 47  
 Total Output Wattage (W): 36  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

#### LED

Number of LEDs: 18  
 Color Temperature (°K): [3000 / 4000](#)  
 Max. Delivered Lumen (lm): 3000 / 3120  
 Nominal Lumen (lm): 5040 / 5220  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

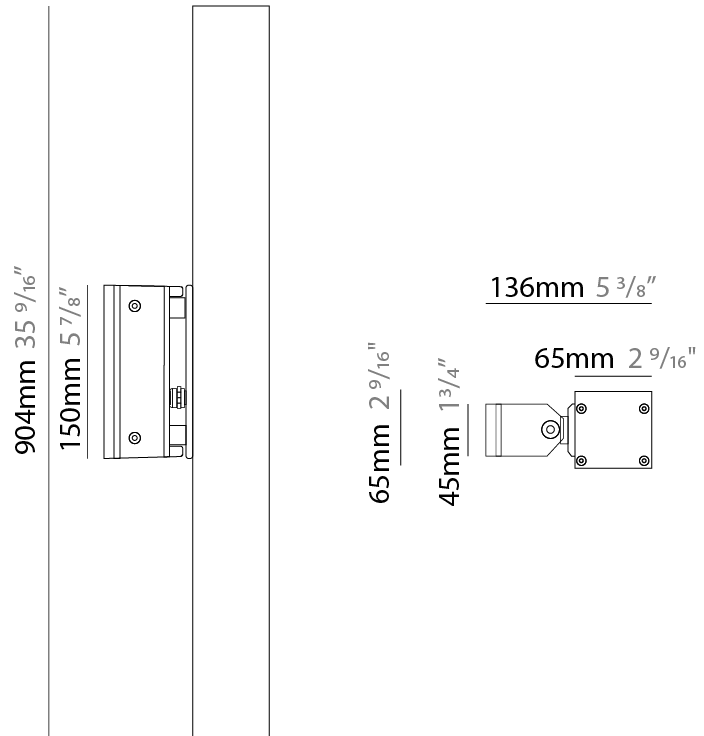
#### OPTICAL

Optic°: [12 / 40 / Elliptical](#)  
 Adjustability: Tilt ±45°

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP65  
 IK Rating: IK07  
 Bug Rating: B3 U1 G1

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TYPE
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DATE



## TETRA LINEAR SURFACE

E9W177-

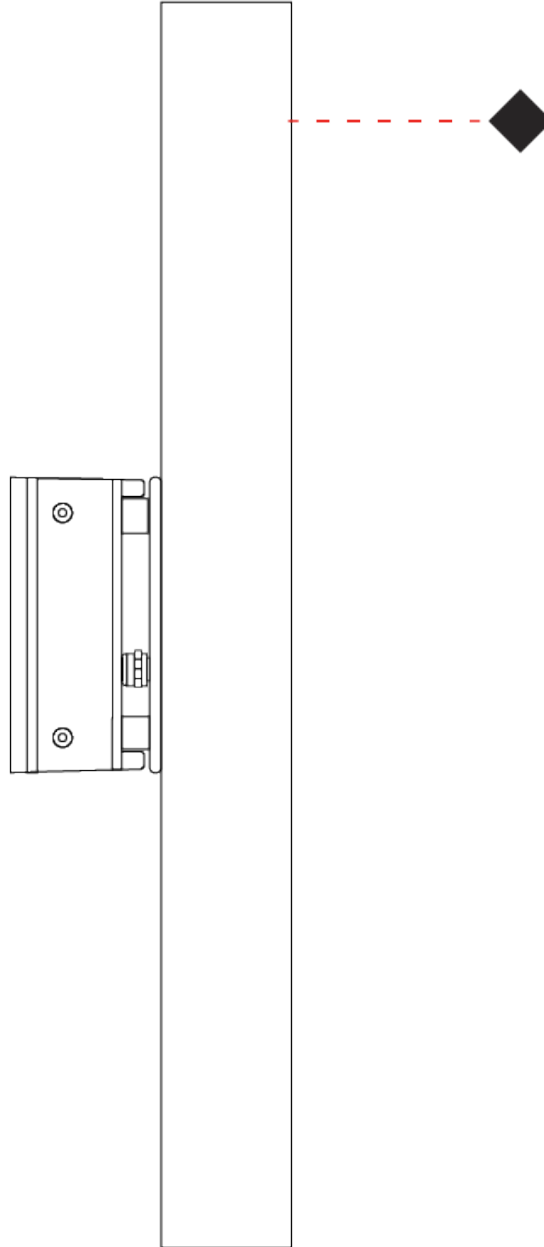
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



E

## TETRA LINEAR SURFACE

**E9W201-** - -  
 base number    Color    Finish    Lens  
                          Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

### GENERAL

Series: Tetra  
 Subseries: Tetra Linear  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wallwash

### PHYSICAL

Shape: Rectangle  
 Length (mm): 358  
 Length (in): 14 <sup>1</sup>/<sub>8</sub>  
 Width (mm): 65  
 Width (in): 2 <sup>9</sup>/<sub>16</sub>  
 Height (mm): 65  
 Depth (mm): 136  
 Height (in): 2 <sup>9</sup>/<sub>16</sub>  
 Depth (in): 5 <sup>3</sup>/<sub>8</sub>  
 Light Distribution: Adjustable / Direct  
 Weight (kg): 2.6  
 Weight (lbs): 5.73  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: [BLK](#) / [WHI](#) / [GRY](#) / [COR](#) / [ANT](#) / [BRZ](#)  
 Fixture Material: Extruded Aluminum

### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 13.5  
 Total Output Wattage (W): 12  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

### LED

Number of LEDs: 12  
 Color Temperature (°K): [3000](#) / [4000](#)  
 Max. Delivered Lumen (lm): 860 / 1020  
 Nominal Lumen (lm): 1680 / 1740  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

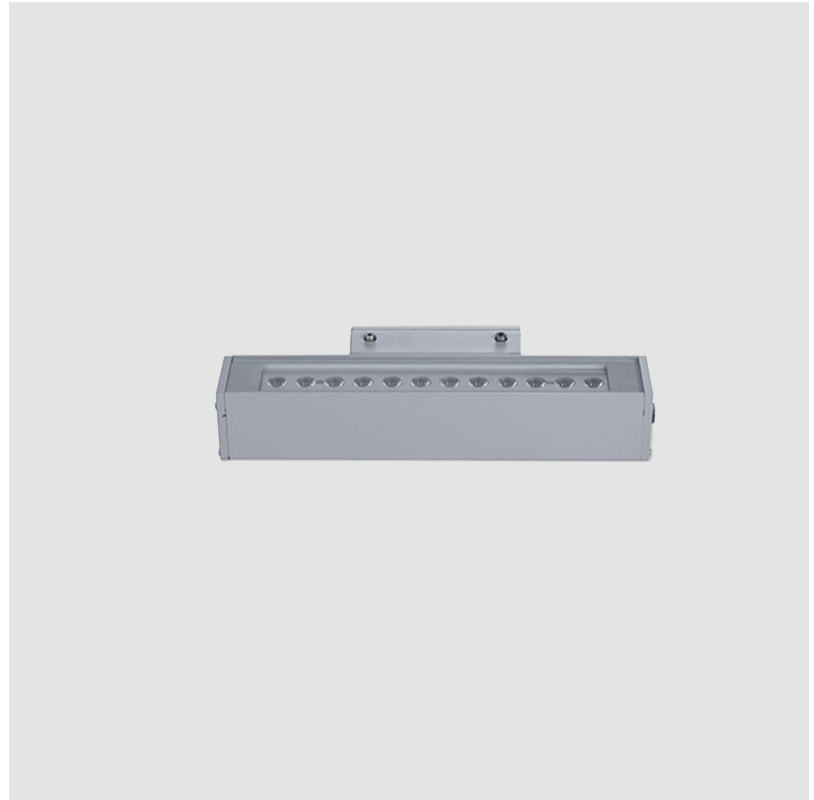
### OPTICAL

Optic°: [12](#) / [40](#) / Elliptical  
 Adjustability: Tilt ±45°

### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP65  
 IK Rating: IK07  
 Bug Rating: B1 U1 G0

PROJECT \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 SPECIFIER \_\_\_\_\_  
 QUANTITY \_\_\_\_\_  
 DATE \_\_\_\_\_



## TETRA LINEAR SURFACE

E9W201-

PROJECT

TYPE

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QUANTITY

DATE



E

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## TETRA CORNICHE SURFACE

**E9W231-** - -  
 base number    Color    Finish    Lens  
                          Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

### GENERAL

Series: Tetra  
 Subseries: Tetra Corniche  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wallwash

### PHYSICAL

Shape: Rectangle  
 Length (mm): 904  
 Length (in): 35 7/16  
 Height (mm): 73  
 Depth (mm): 65  
 Height (in): 2 7/8  
 Depth (in): 2 3/16  
 Light Distribution: Adjustable / Direct  
 Weight (kg): 5.2  
 Weight (lbs): 11.4  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: [BLK](#) / [WHI](#) / [GRY](#) / [COR](#) / [ANT](#) / [BRZ](#)  
 Fixture Material: Extruded Aluminum

### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 47  
 Total Output Wattage (W): 36  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

### LED

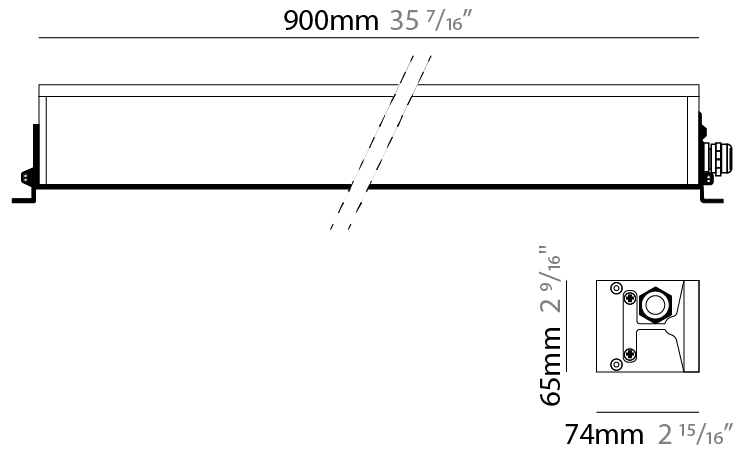
Number of LEDs: 36  
 Color Temperature (°K): [3000](#) / [4000](#)  
 Max. Delivered Lumen (lm): 2590 / 3220  
 Nominal Lumen (lm): 5040 / 5220  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

### OPTICAL

Optic°: [13](#) / [26](#) / [40](#) / Elliptical  
 Pitch: 0-15° rotation angle

### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP66  
 IK Rating: IK07  
 Bug Rating: B3 U1 G1



## TETRA CORNICHE SURFACE

E9W231-

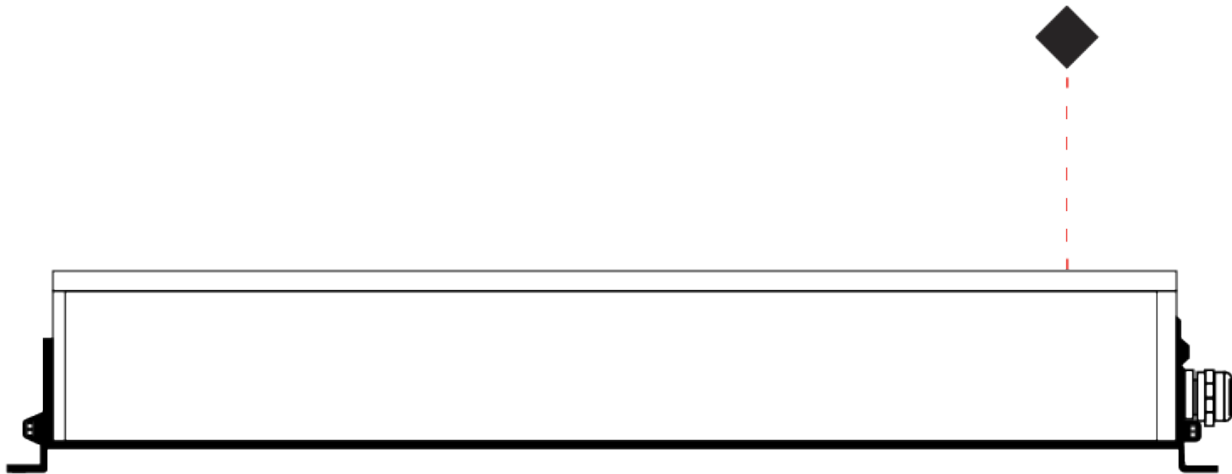
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



E



## TETRA CORNICHE SURFACE

**E9W263-** - -  
 base number    Color    Finish    Lens  
                          Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

### GENERAL

Series: Tetra  
 Subseries: Tetra Corniche  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wallwash

### PHYSICAL

Shape: Rectangle  
 Length (mm): 358  
 Length (in): 14 <sup>7</sup>/<sub>8</sub>  
 Height (mm): 73  
 Depth (mm): 65  
 Height (in): 2 <sup>7</sup>/<sub>8</sub>  
 Depth (in): 2 <sup>3</sup>/<sub>16</sub>  
 Light Distribution: Adjustable / Direct  
 Weight (kg): 2.3  
 Weight (lbs): 5.1  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Gasket: Gore-Tex valve to prevent condensation inside the fitting.  
 Fixture Finish: [BLK](#) / [WHI](#) / [GRY](#) / [COR](#) / [ANT](#) / [BRZ](#)  
 Fixture Material: Extruded Aluminum

### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 13.5  
 Total Output Wattage (W): 12  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

### LED

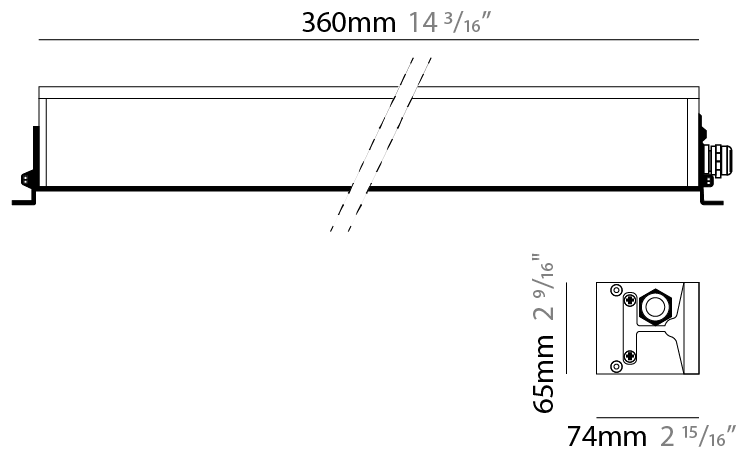
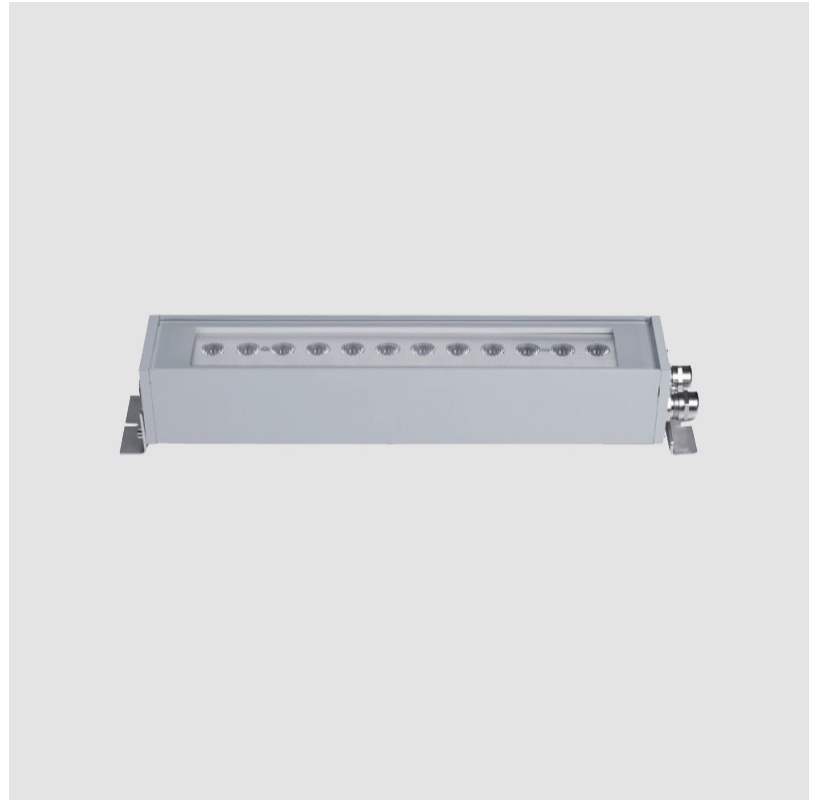
Number of LEDs: 12  
 Color Temperature (°K): [3000](#) / [4000](#)  
 Max. Delivered Lumen (lm): 860 - 1070  
 Nominal Lumen (lm): 1680 / 1740  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

### OPTICAL

Optic°: [13](#) / [26](#) / [40](#) / Elliptical  
 Pitch: 0-15° rotation angle

### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP66  
 IK Rating: IK07  
 Bug Rating: B1 U1 G0



## TETRA CORNICHE SURFACE

E9W263-

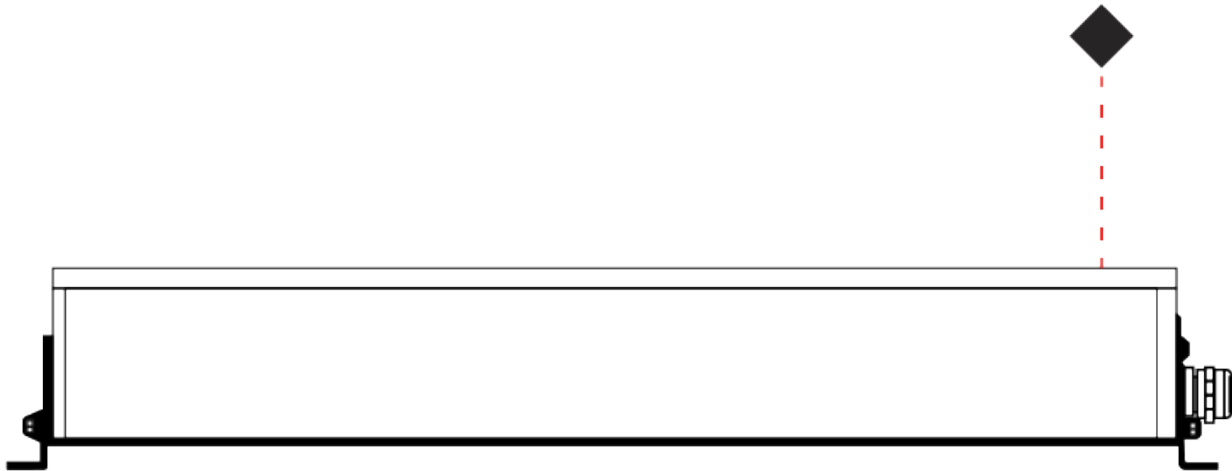
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



E

## TETRA APPLIQUE SURFACE

### E9W301-

base number    Color    Finish    Lens  
 Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Tetra  
 Subseries: Tetra Applique  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wall Effect

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 36  
 Length (in): 1 7/16  
 Height (mm): 210  
 Depth (mm): 135  
 Height (in): 8 1/4  
 Depth (in): 5 5/16  
 Light Distribution: Direct  
 Weight (kg): 2  
 Weight (lbs): 4.4  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Fixture Finish: [BLK](#) / [WHI](#) / [GRY](#) / [COR](#) / [ANT](#) / [BRZ](#)  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 3.9  
 Total Output Wattage (W): 3  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - 120Vac  
 Driver Class: Class 2  
 Input Voltage (V): 120  
 Constant Current (MA): 350

#### LED

Color Temperature (°K): [3000](#) / [4000](#)  
 Max. Delivered Lumen (lm): 290 - 385  
 Nominal Lumen (lm): 420 / 435  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

#### OPTICAL

Optic°: [Single Emission](#)  
 Beam Angle: 13 / 44

#### RATINGS AND CERTIFICATIONS

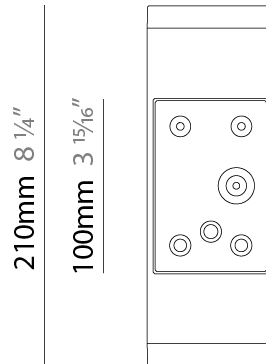
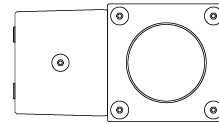
Certified By: Certified for North American Standards  
 IP rating: IP65  
 IK Rating: IK07  
 Bug Rating: B1 U0 G0

PROJECT
TYPE
SPECIFIER
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DATE



135mm 5 5/16"

36mm 1 7/16"



## TETRA APPLIQUE SURFACE

E9W301-

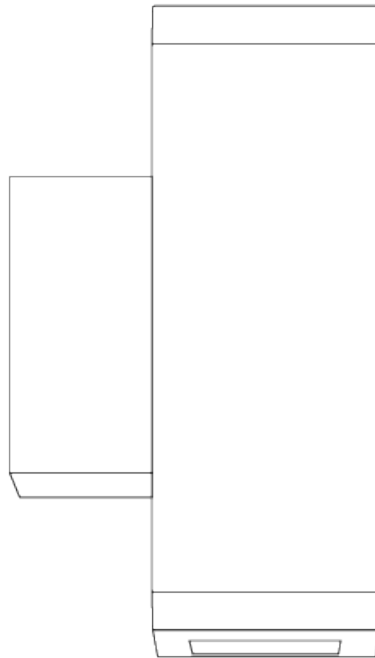
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



## TETRA APPLIQUE SURFACE

### E9W570-

base number    Color    Finish    Lens  
 Temperature    Options    Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Tetra  
 Subseries: Tetra Applique  
 Brand: Platek  
 Division: Exterior  
 Mounting Type: Surface  
 Mounting Location: Wall  
 Subcategory: Wall Effect

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 36  
 Length (in): 1 7/16  
 Width (mm): 36  
 Width (in): 1 7/16  
 Height (mm): 210  
 Height (in): 8 1/4  
 Extension (mm): 135  
 Extension (in): 5 5/16  
 Light Distribution: Direct / Indirect  
 Weight (kg): 2.2  
 Weight (lbs): 4.8  
 Screws: A4 stainless steel  
 Diffuser: Clear tempered glass  
 Fixture Finish: [BLK](#) / [WHI](#) / [GRY](#) / [COR](#) / [ANT](#) / [BRZ](#)  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 6.9  
 Total Output Wattage (W): 6  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - 120Vac  
 Input Voltage (V): 120  
 Constant Current (MA): 350

#### LED

Number of LEDs: 6  
 Color Temperature (°K): [3000](#) / [4000](#)  
 Max. Delivered Lumen (lm): 740 / 770  
 Nominal Lumen (lm): 840 / 870  
 CRI: >80 CRI  
 Lamp Life (hrs): 60000

#### OPTICAL

Optic°: [Double Emission](#)  
 Beam Angle: 2x12 / 2x44 / 12-44

#### RATINGS AND CERTIFICATIONS

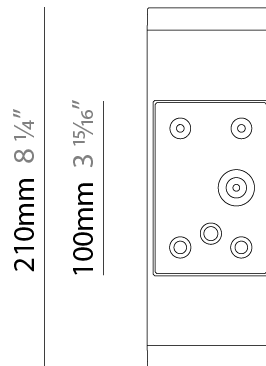
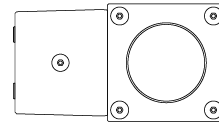
Certified By: Certified for North American Standards  
 IP rating: IP65  
 IK Rating: IK07  
 Bug Rating: B1 U3 G0

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



135mm 5 5/16"

36mm 1 7/16"



## TETRA APPLIQUE SURFACE

E9W570-

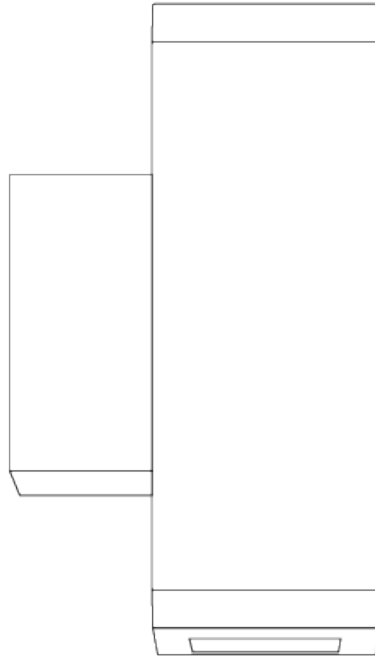
PROJECT

TYPE

SPECIFIER

QUANTITY

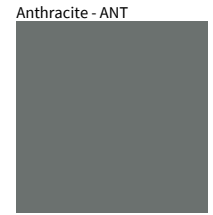
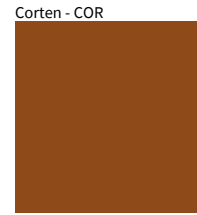
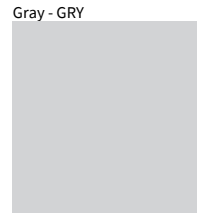
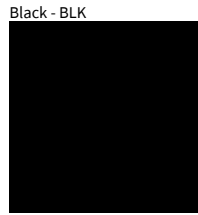
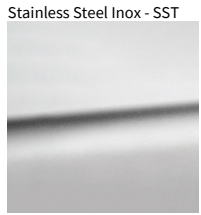
DATE



## TETRA COLOR FINISH CHART

PROJECT \_\_\_\_\_  
TYPE \_\_\_\_\_  
SPECIFIER \_\_\_\_\_  
QUANTITY \_\_\_\_\_  
DATE \_\_\_\_\_

### Fixture Finish



**Digital:** Not all screens are calibrated the same, and therefore, colors will appear differently between screens.  
**Physical:** When texture is involved, there will be variations in color, character and tone within a product series and between product families.













### 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
	dimmable 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)