

## EYES 19 FOR HANDRAIL RECESSED

### E10R0134-

base number \_\_\_\_\_  
Color \_\_\_\_\_  
Temperature \_\_\_\_\_

1. To build a product code in our configurator select the specify button on the base model # product page
2. 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: Eyes Handrail  
Subseries: Eyes 19 for Handrail  
Partner: Side  
Division: Exterior  
Installation: Recessed  
Product Type: Marker  
Mounting Location: Handrail  
Light Distribution: Direct

#### PHYSICAL

Shape: Round  
Diameter (mm): 19  
Diameter (in): 3/4  
Depth (mm): 31.25  
Depth (in): 1 1/4  
Weight (kg): 0.02  
Weight (lbs): 0.04  
Installation Requirement: Hand rail/pipe requires min. Ø42.5mm / 1 11/16"  
Screws: No visible screws  
Diffuser: Methacrylate  
Gasket: Silicone rubber  
Fixture Finish: SSS  
Fixture Material: Stainless Steel  
Primary Material: Stainless Steel  
Cut-out Measurements: 16mm / 5/8"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
Input Wattage (W): 2  
Total Output Wattage (W): 1.45  
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming  
Driver Included: No  
Driver Location: Remote  
Driver Type: Constant Current - 120 / 277Vac  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 500

#### LED

Number of LEDs: 1  
Color Temperature (°K): 3000 / 4000  
Max. Delivered Lumen (lm): 106 / 113  
Nominal Lumen (lm): 145 / 155  
CRI: >80 CRI  
Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 60

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
IP rating: IP65



PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## EYES 17 FOR HANDRAIL RECESSED

### E12R0008-

base number      Color      Reflector  
 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: Eyes Handrail  
 Subseries: Eyes 17 for Handrail  
 Partner: Zaneen  
 Division: Exterior  
 Installation: Recessed  
 Product Type: Marker  
 Mounting Location: Handrail  
 Light Distribution: Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 17  
 Diameter (in): 11/16  
 Depth (mm): 17  
 Depth (in): 11/16  
 Weight (kg): 0.13  
 Installation Requirement: Fixing springs  
 Diffuser: Extra clear glass 4mm  
 Fixture Finish: PSS  
 Fixture Material: Stainless Steel AISI 316L  
 Primary Material: Stainless Steel  
 Cable Details: 200 cm 2x0,5 mm2  
 Cut-out Measurements: 15mm / 9/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 2.33  
 Total Output Wattage (W): 1.05  
 Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Housing: ENCP4  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 24  
 Constant Current (MA): 350

#### LED

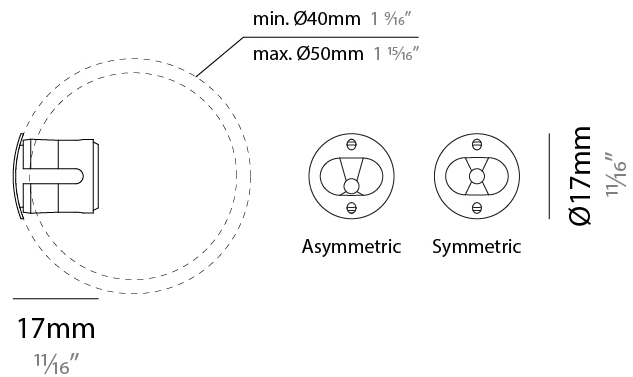
Number of LEDs: 1  
 Color Temperature (°K): 2200 / 2700 / 3000 / 4000  
 Max. Delivered Lumen (lm): 124 (3000K)  
 Nominal Lumen (lm): 150 (3000K)  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: RGB

#### OPTICAL

Reflector: Asymetric / Symetric

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP67  
 Marine Grade: Stainless Steel AISI 316L



PROJECT	
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DATE	

## EYES 17 FOR HANDRAIL RECESSED

### E12R0014-

base number      Color      Reflector  
 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: Eyes Handrail  
 Subseries: Eyes 17 for Handrail  
 Partner: Zaneen  
 Division: Exterior  
 Installation: Recessed  
 Product Type: Marker  
 Mounting Location: Handrail  
 Light Distribution: Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 17  
 Diameter (in): 11/16  
 Depth (mm): 17  
 Depth (in): 11/16  
 Weight (kg): 0.13  
 Installation Requirement: Fixing springs  
 Diffuser: Extra clear glass 4mm  
 Fixture Finish: PSS  
 Fixture Material: Stainless Steel AISI 316L  
 Primary Material: Stainless Steel  
 Cable Details: 200 cm 2x0,5 mm2  
 Cut-out Measurements: 15mm / 9/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 2.33  
 Total Output Wattage (W): 1.05  
 Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Housing: ENCP4  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 24  
 Constant Current (MA): 350

#### LED

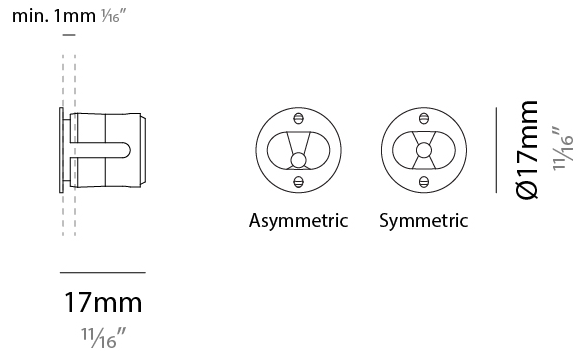
Number of LEDs: 1  
 Color Temperature (°K): 2200 / 2700 / 3000 / 4000  
 Max. Delivered Lumen (lm): 124 (3000K)  
 Nominal Lumen (lm): 150 (3000K)  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

Reflector: Asymetric / Symetric

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP67  
 Marine Grade: Stainless Steel AISI 316L



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		pivotable		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)