

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

EYES 19 FOR HANDRAIL RECESSED

E10R0134-

base number _____ Color _____
 Temperature _____

- 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 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

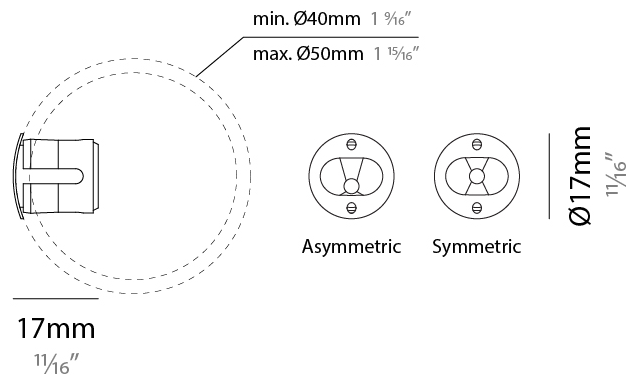
Number of LEDs: 1
 Color Temperature (°K): 2200 / 2700 / 3000 / 4000
 Max. Delivered Lumen (lm): 124 (3000K)
 Nominal Lumen (lm): 150 (3000K)
 CRI: >90 CRI
 Lamp Life (hrs): 50000
 Upon Request: RGB

OPTICAL

Reflector: [Asymetric](#) / [Symetric](#)

RATINGS AND CERTIFICATIONS

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



PROJECT
TYPE
SPECIFIER
QUANTITY
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

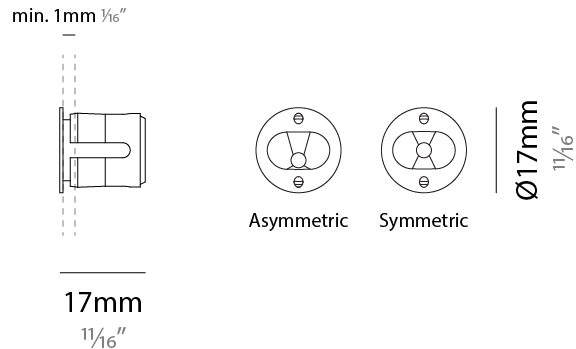
Number of LEDs: 1
 Color Temperature (°K): 2200 / 2700 / 3000 / 4000
 Max. Delivered Lumen (lm): 124 (3000K)
 Nominal Lumen (lm): 150 (3000K)
 CRI: >90 CRI
 Lamp Life (hrs): 50000

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)