

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## BIONIQ EVO ROUND PINHOLE RECESSED

### A350216-

base number    Color Temperature    Finishes (Diamond)    Finishes (Triangle)    Beam Angle 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 83  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 4  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Ø 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.8  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

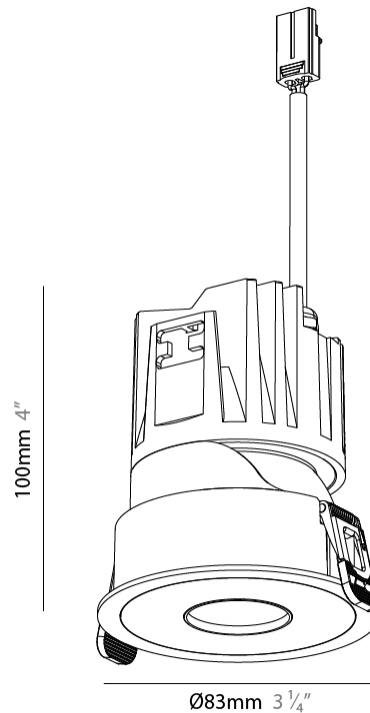
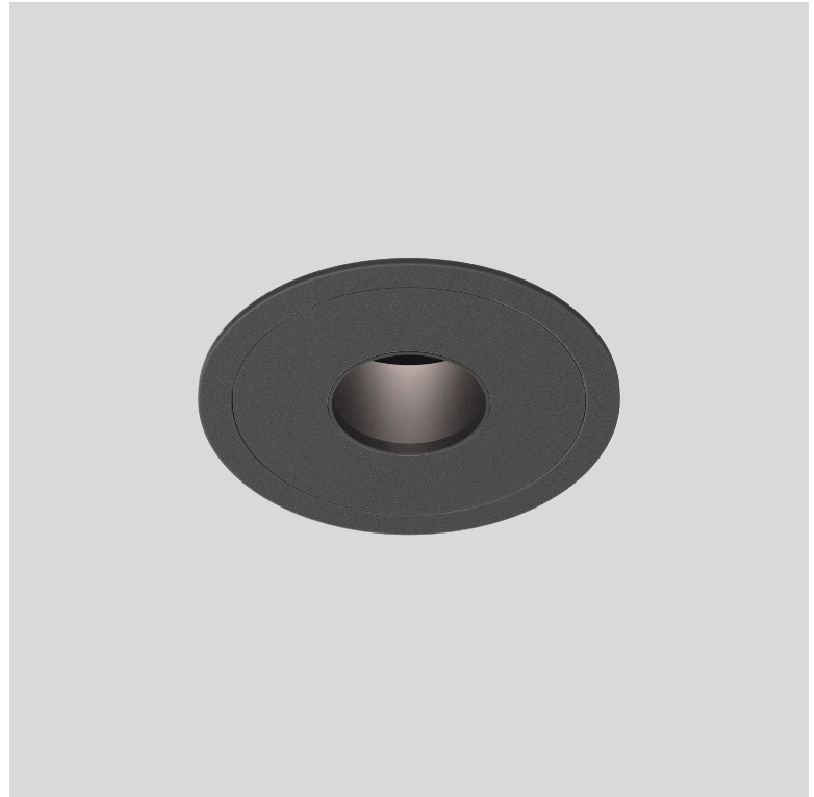
Color Temperature (°K): 2400 / 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): Max 951  
 Nominal Lumen (lm): 2006  
 CRI: >90 CRI  
 Efficiency (%): 74.1  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 20 / 26 / 32  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

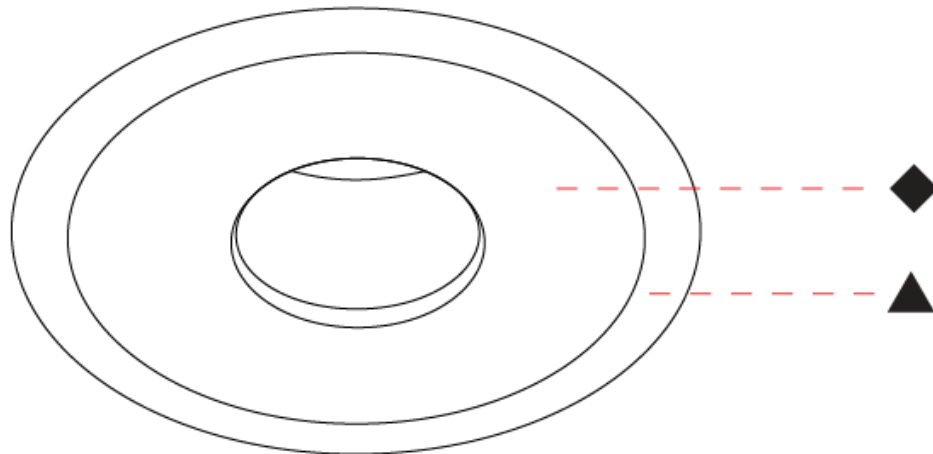
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350216-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## BIONIQ EVO ROUND PINHOLE RECESSED

### A350217-

base number    Color    Finish    Beam Angle  
 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 83  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 4  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: [BLK / WHI](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Dia. 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.8  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

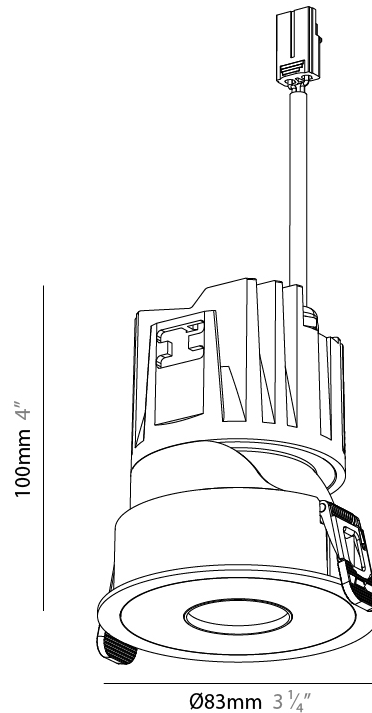
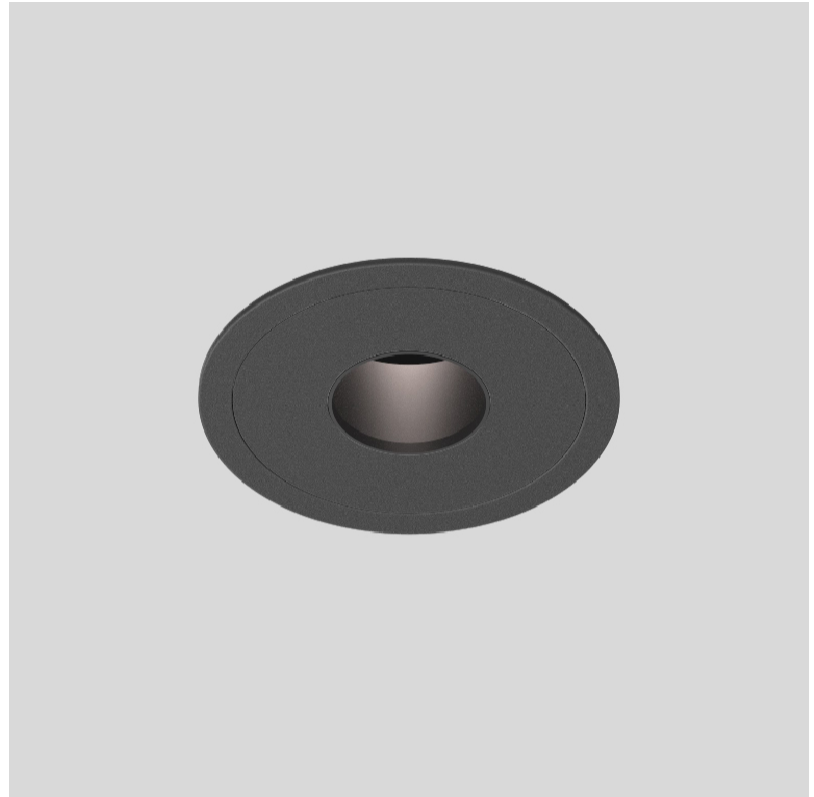
Color Temperature (°K): [2400 / 2700 / 3000 / 3500 / 4000](#)  
 Max. Delivered Lumen (lm): Max 951  
 Nominal Lumen (lm): 2006  
 CRI: >90 CRI  
 Efficiency (%): 74.1  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: [20 / 26 / 32](#)  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

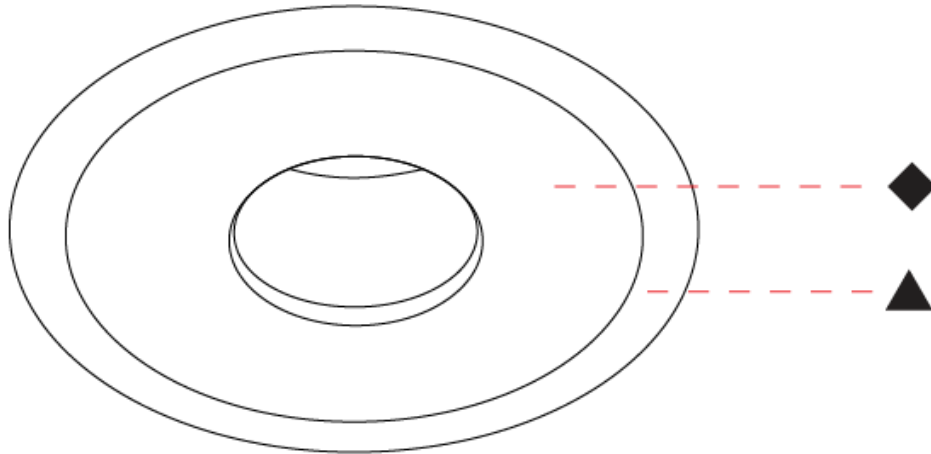
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350217-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## BIONIQ EVO ROUND PINHOLE RECESSED

### A350218-

base number      Color      Finishes      Finishes  
 Temperature      (Diamond)      (Triangle)

- 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 83  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 4  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Ø 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 13  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

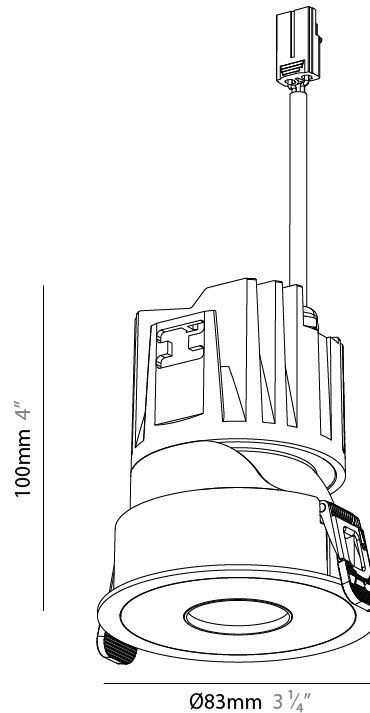
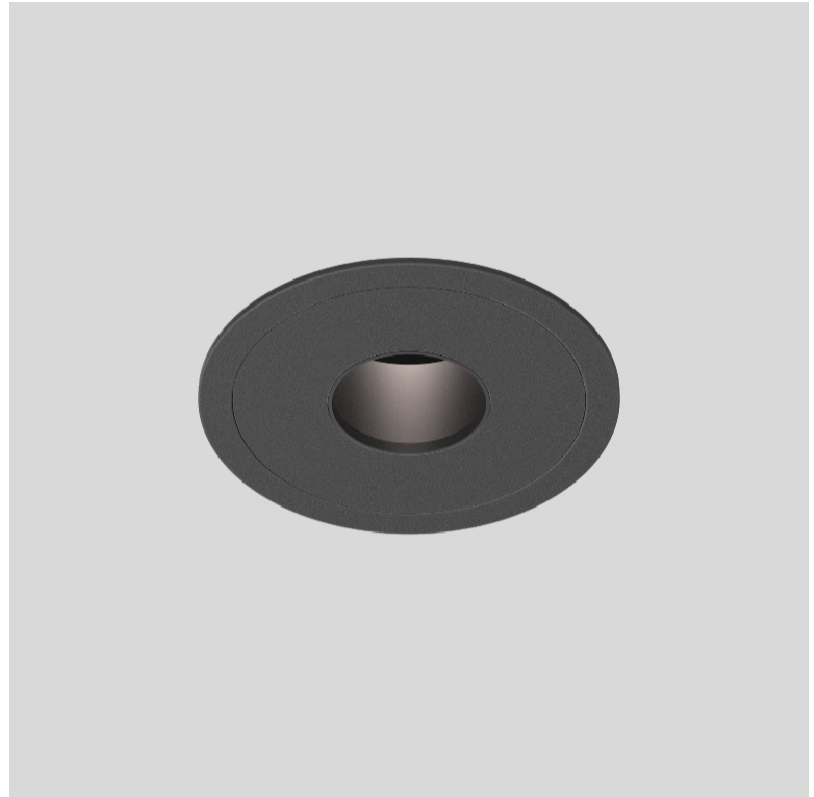
Color Temperature (°K): 2400 / 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): Max 698  
 Nominal Lumen (lm): Max 1231  
 CRI: >90 CRI  
 Efficiency (%): 53.8  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 10  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

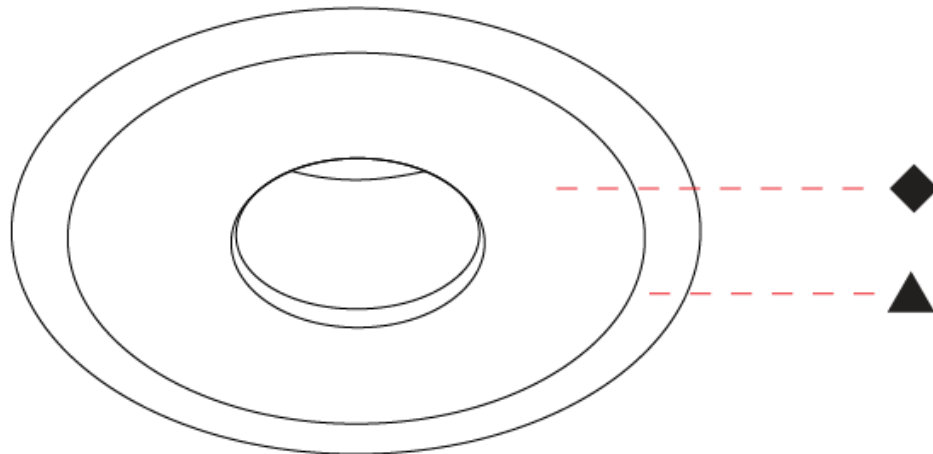
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350218-

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



## BIONIQ EVO ROUND PINHOLE RECESSED

### A350219-

base number    Color    Finish  
 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 83  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 4  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: [BLK / WHI](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Dia. 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 13  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

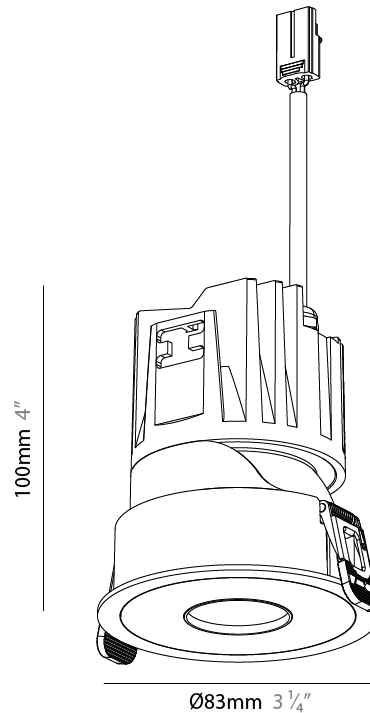
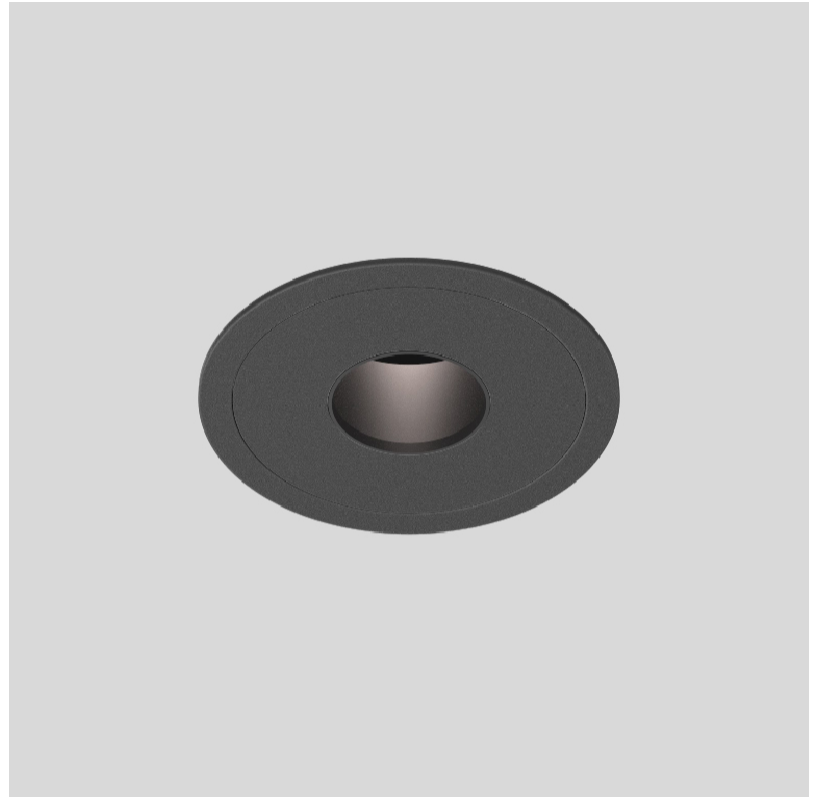
Color Temperature (°K): [2400 / 2700 / 3000 / 3500 / 4000](#)  
 Max. Delivered Lumen (lm): Max 698  
 Nominal Lumen (lm): Max 1231  
 CRI: >90 CRI  
 Efficiency (%): 53.8  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 20 / 26 / 32  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

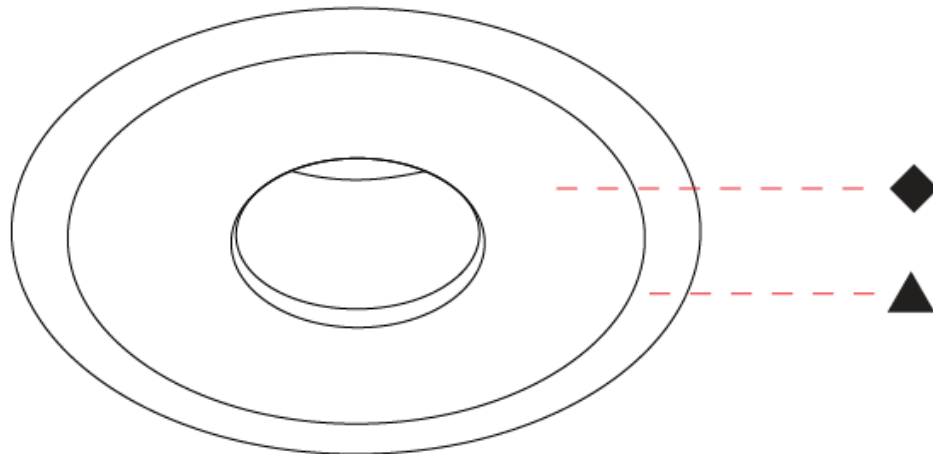
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350219-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## BIONIQ EVO ROUND PINHOLE RECESSED

### A350220-

base number      Color Temperature      Finishes (Diamond)      Finishes (Triangle)      Beam Angle 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 82  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 3 15/16  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: [SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Dia. 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.3  
 Total Output Wattage (W): 10.9  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

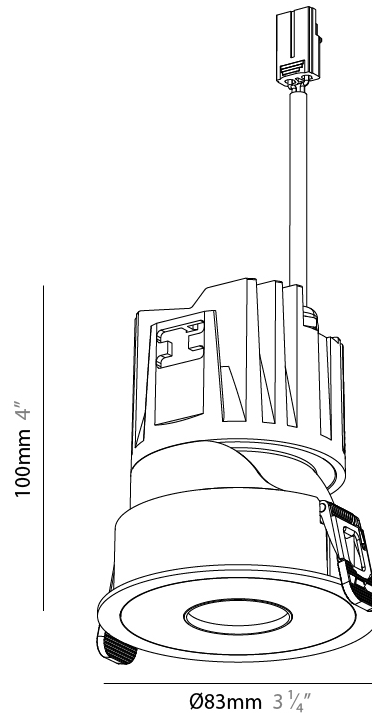
Color Temperature (°K): [2700-6500 Tunable White](#)  
 Max. Delivered Lumen (lm): Max 709  
 Nominal Lumen (lm): Max 1495  
 CRI: >90 CRI  
 Efficiency (%): 57.5  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: [20 / 26 / 32](#)  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

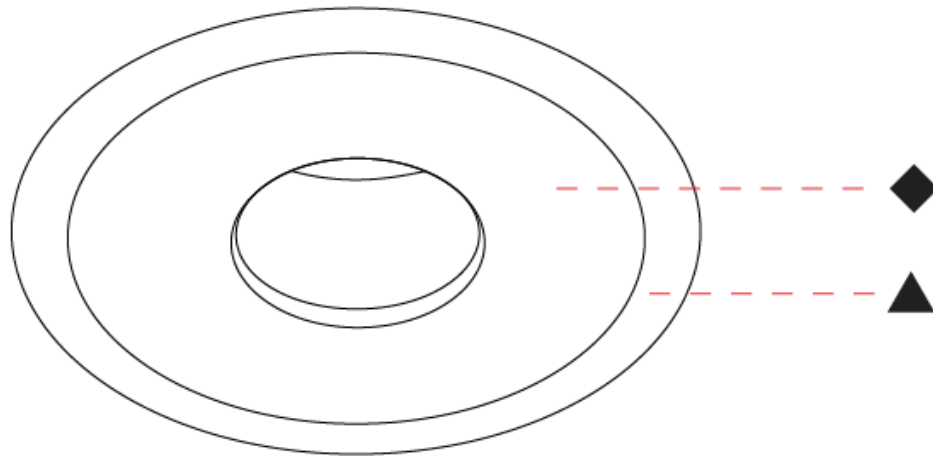
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350220-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## BIONIQ EVO ROUND PINHOLE RECESSED

### A350221-

base number    Color    Finish    Beam Angle  
 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Recessed  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 83  
 Diameter (in): 3 1/4  
 Height (mm): 100  
 Depth (mm): 105  
 Height (in): 4  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 2 - 20  
 Ceiling Thickness (in): 1/16 - 1 1/8  
 Weight (kg): 0.4  
 Fixture Finish: [BLK / WHI](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Dia. 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.3  
 Total Output Wattage (W): 10.9  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

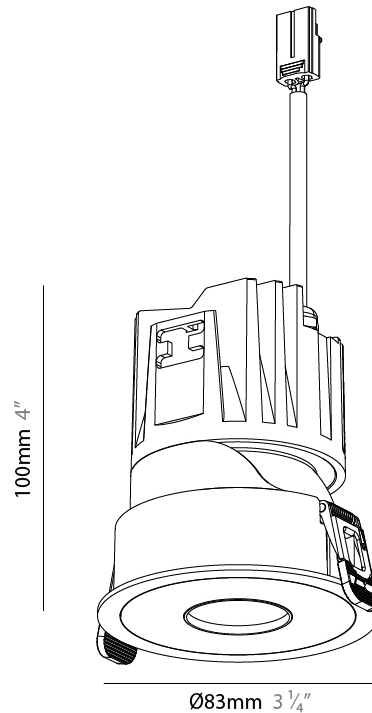
Color Temperature (°K): [2700-6500 Tunable White](#)  
 Max. Delivered Lumen (lm): Max 698  
 Nominal Lumen (lm): Max 1231  
 CRI: >90 CRI  
 Efficiency (%): 53.8  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: [20 / 26 / 32](#)  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

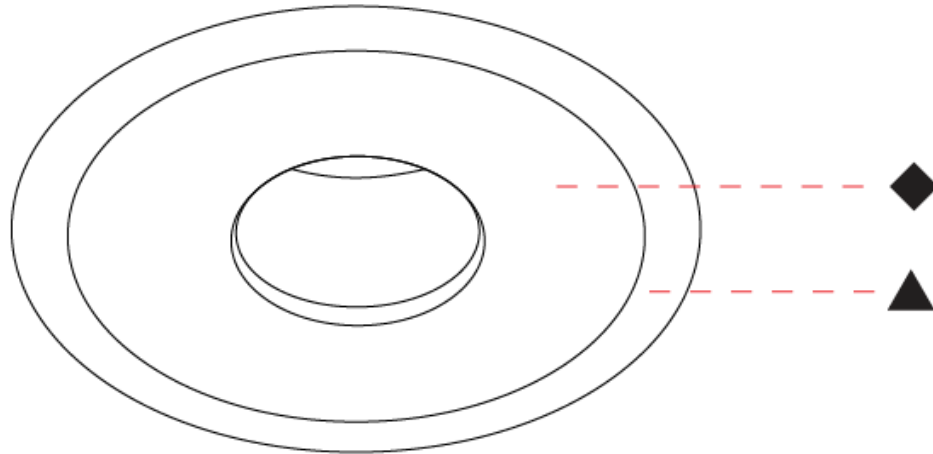
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE RECESSED

A350221-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## BIONIQ EVO ROUND PINHOLE TRIMLESS

### A350222-

base number    Color    Finishes    Lens    Beam Angle  
 Temperature    (Diamond)    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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Trimless  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 95  
 Diameter (in): 3 3/4  
 Height (mm): 93  
 Depth (mm): 105  
 Height (in): 3 5/8  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 10 - 50  
 Ceiling Thickness (in): 3/8 - 1 15/16  
 Weight (kg): 0.4  
 Fixture Finish: [SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Dia. 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.8  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

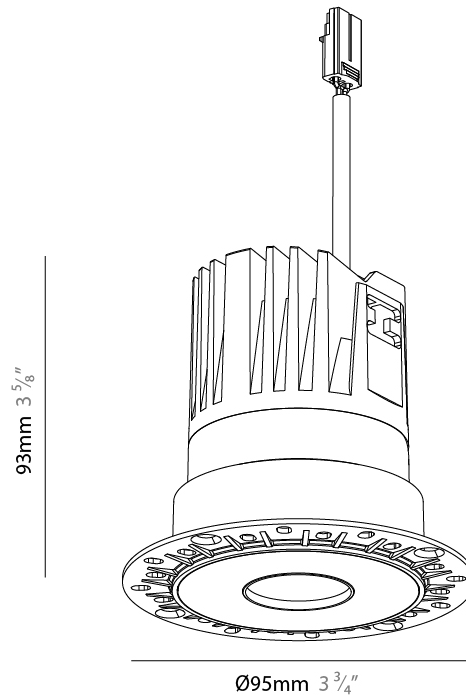
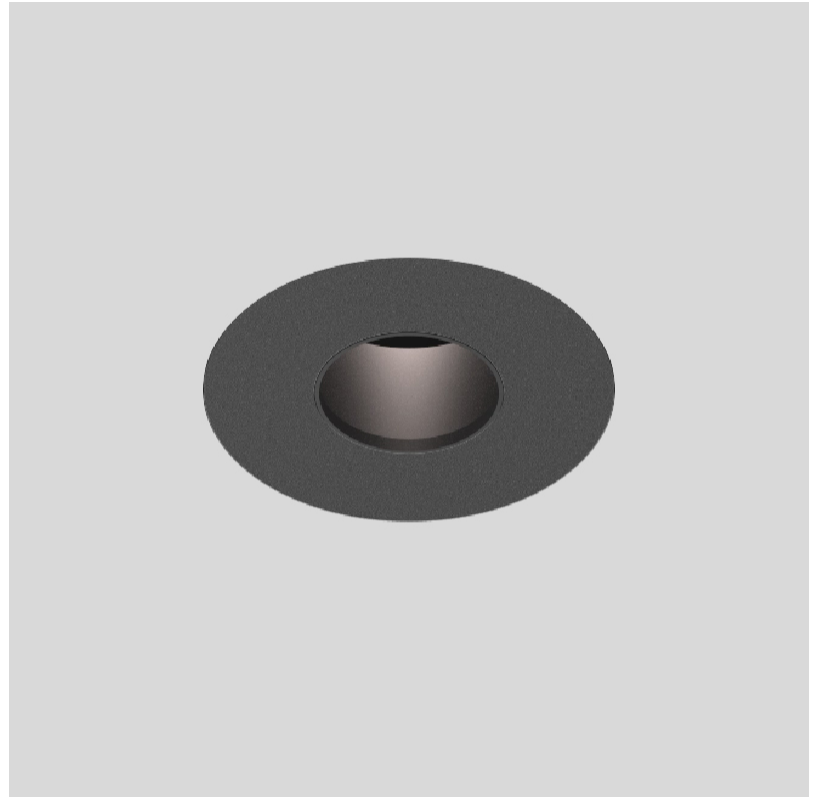
Color Temperature (°K): [2400 / 2700 / 3000 / 3500 / 4000](#)  
 Max. Delivered Lumen (lm): Max 951  
 Nominal Lumen (lm): 2006  
 CRI: >90 CRI  
 Efficiency (%): 74.1  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: [20 / 26 / 32](#)  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE TRIMLESS

A350222-

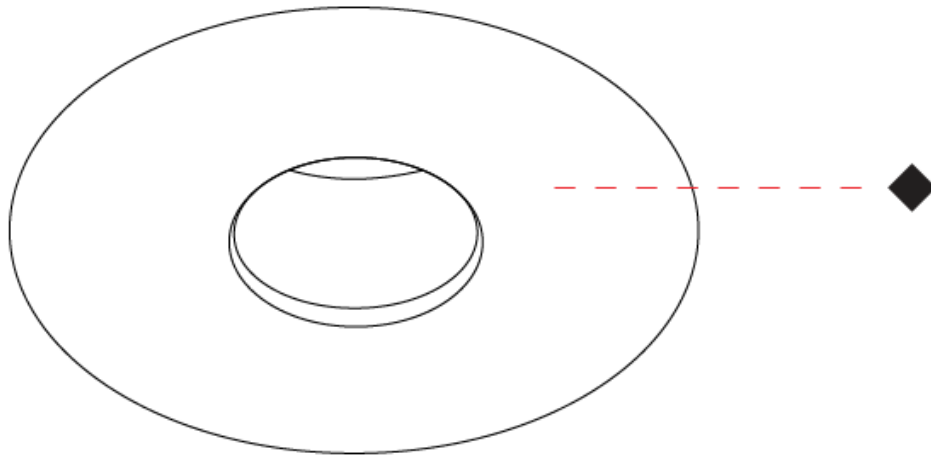
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



## BIONIQ EVO ROUND PINHOLE TRIMLESS

### A350223-

base number      Color      Finishes  
 Temperature      (Diamond)

- 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: Bioniq Evo Round Pinhole  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Trimless  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Adjustable / Direct

#### PHYSICAL

Shape: Round  
 Diameter (mm): 95  
 Diameter (in): 3 3/4  
 Height (mm): 93  
 Depth (mm): 105  
 Height (in): 3 5/8  
 Depth (in): 4 1/8  
 Ceiling Thickness (mm): 10 - 50  
 Ceiling Thickness (in): 3/8 - 1 15/16  
 Weight (kg): 0.4  
 Fixture Finish: [SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR](#)  
 Fixture Material: Extruded Aluminum  
 Cut-out Measurements: Ø 75mm/2 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 12.8  
 Total Output Wattage (W): 11.8  
 Dimming: Non-dimming / DALI Dimming / MATTER Dimming  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Constant Current (MA): 350mA  
 Upon Request: 0-10V Dimming / Phase Dimming

#### LED

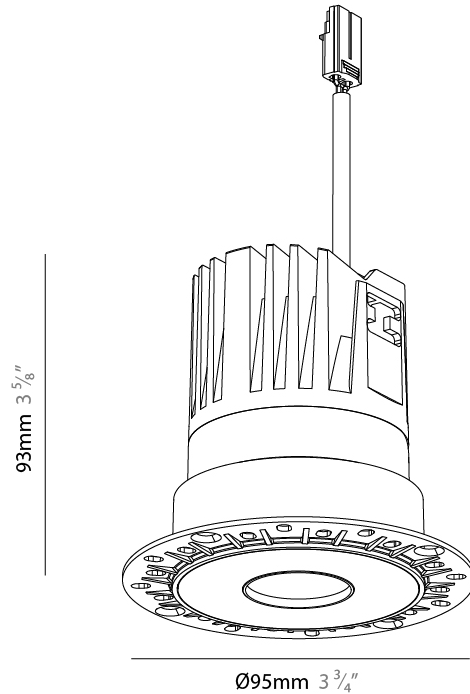
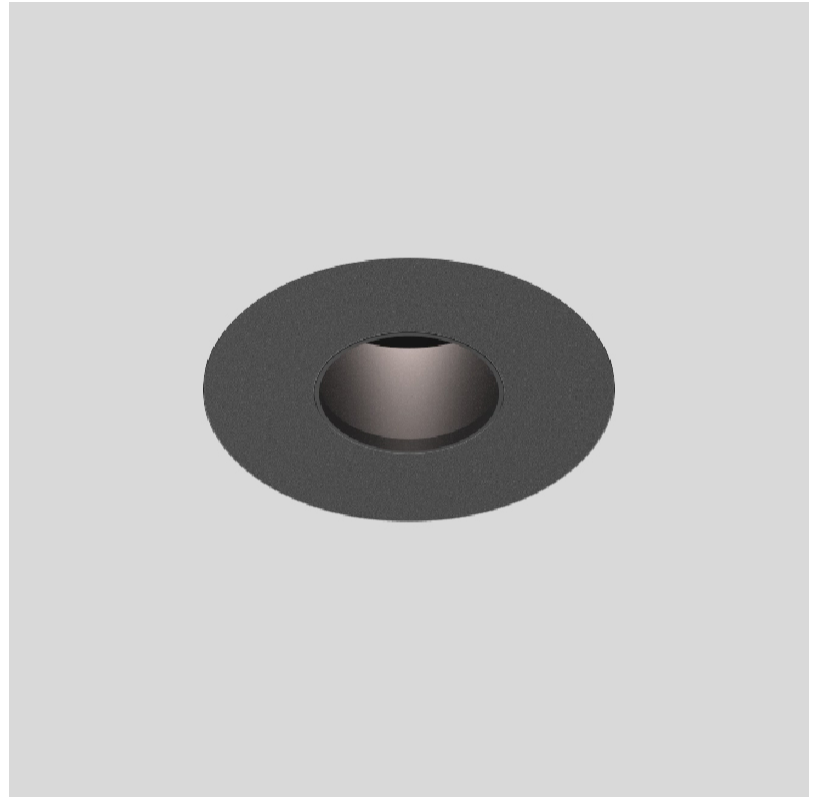
Color Temperature (°K): [2400 / 2700 / 3000 / 3500 / 4000](#)  
 Max. Delivered Lumen (lm): Max 604  
 Nominal Lumen (lm): 1065  
 CRI: >90 CRI  
 Efficiency (%): 47.0  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 10  
 Adjustability: Rotational 350° / Tilt 30°

#### RATINGS AND CERTIFICATIONS

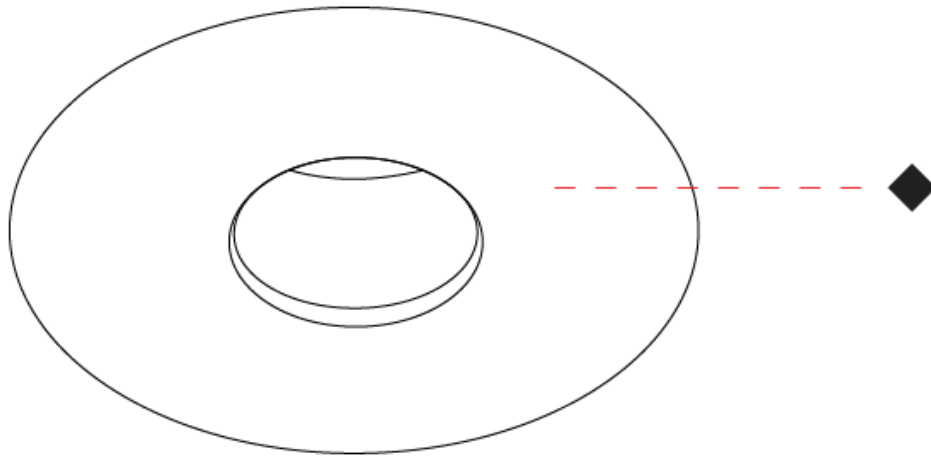
Certified By: Certified for North American Standards  
 IP rating: IP65  
 Glare Rating: ≤ 10



## BIONIQ EVO ROUND PINHOLE TRIMLESS

A350223-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## BIONIQ EVO ROUND PINHOLE COLOR FINISH CHART

PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

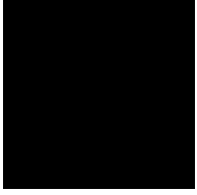
SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

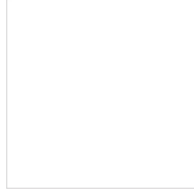
DATE \_\_\_\_\_

### Fixture Finish

Black - BLK (BLK)



White - WHI (WHI)



Sparkling Silver - 01 (SSR)



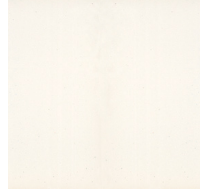
Black Velvet - 02 (BKV)



Crystal White - 03 (CWI)



Creamy - 04 (CRY)



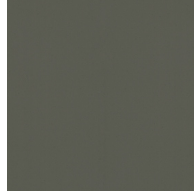
Hampton Bay - 05 (HAB)



Urban Forest - 07 (UFT)



In the Army - 08 (ITA)



Rusty Angel - 09 (RUA)



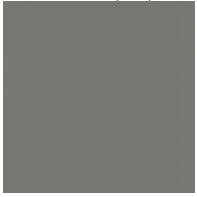
Fade to Gray - 12 (FTG)



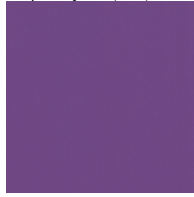
Mysterious Gray - 13 (MYG)



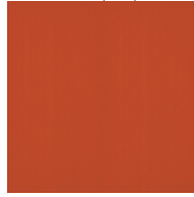
Lost Dream - 15 (LOD)



Purple Sky - 16 (PUS)



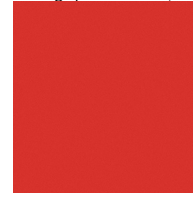
Fresh Oh - 17 (FRO)



Funky P. - 18 (FUP)



Kissing Aphrodite - 19 (KIA)



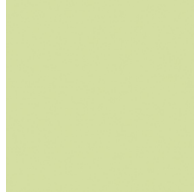
Poseidon's Paradise - 20 (POP)



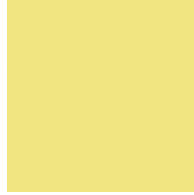
Blue Sky - 21 (BLS)



Spring Green - 22 (SPG)



Mellow Yellow - 23 (MEY)



Golden Heart - 24 (GOH)



Champagne Cream - 26 (CHC)



Copper Mine - 27 (COM)



Ancient Bronze - 28 (ABZ)



Jazz Gold - 29 (JAG)



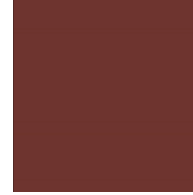
Olive Breeze - 30 (OBR)



Moonlight Silver - 31 (MOS)



Rosewood Red - 32 (ROR)



**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.

**Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold:** These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.



### 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

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

### IK RATING

IK01	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
IK03	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IK06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)