

A35182	-	-	-
	LED	C-1	Finishes

Dimming Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Adjustable Brand: Prolicht Division: Architectural Mounting Type: Trimless Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL Shape: Round Diameter (mm): 107 Diameter (in): 4 1/16 Height (mm): 112 Height (in): 4 1/16 Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 130 Min. Recessing Depth (in): 5 $^1\!\!/_{\!8}$ Light Distribution: Adjustable / Downlight Weight (kg): 0.596

Weight (lbs): 1.31 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 2 111mm / 4 3/8" Upon Request: Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12.1 / 14.7 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal

Driver Class: Class 2 Housing: See components Input Voltage (V): 120 - 277

Constant Current (MA): 350 LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 850 / 950 / 1019 / 1040 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI Lamp Life (hrs): 50000 Upon Request: RGB-W Tunable White Special Color Temperature

Special LED OPTICAL

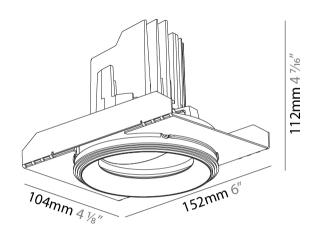
Reflector°: 10 Adjustability: Rotational 355°; Tilt 30° Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards Zaneen Group Inc. © 2024. T 1800-388-3382, F 416-247-9319, www.zaneen.com

PROJECT TYPE SPECIFIER QUANTITY DATE





Ø 107mm 4 3/16"

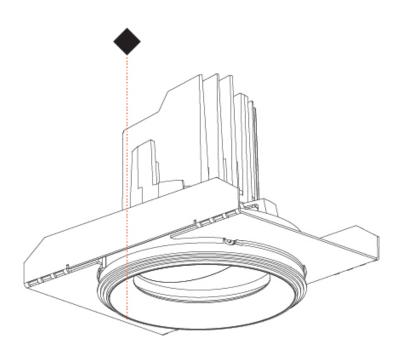






A35182-

ROJECT	
YPE	
PECIFIER	
UANTITY	
ATE	







A35188	-		-	-
base number	LED	Color	Finishes	Ceiling

- 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: Bioniq	
Subseries: Bioniq Round Adjustable	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

PHYSICAL	
Shape: Round	
Diameter (mm): 136	
Diameter (in): 5 $\frac{3}{4}$	
Height (mm): 136	
Height (in): 5 3/8	
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25	

Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1

Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 1/8

Light Distribution: Adjustable / Downlight

Lamp Type: LED (Zhaga Standard)

Weight (kg): 1.02 Weight (lbs): 2.24

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast
Cut-out Measurements: 🛭 140mm / 5 1/2"
Upon Request: Unique Ceiling Thickness

ELECTRICAL

Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12.1 / 14.7

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

LED

Number of LEDs: 1

Constant Current (MA): 350

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 870 / 970 / 1038 / 1060

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 90.5

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature

Special LED

OPTICAL

Reflector°: 10

Beam Angle: Narrow

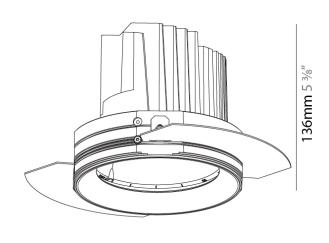
Adjustability: Rotational 355°; Tilt 30°

Upon Request: Special Beam Angles

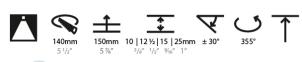
RATINGS AND CERTIFICATIONS 382, F 416-247-9319, www.zaneen.com

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE





Ø 136mm 5 3/8"



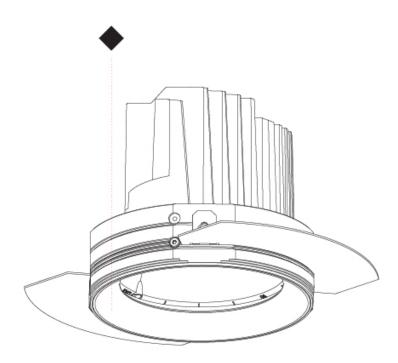


Page 3/36



A35188-

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	







BIONIQ ROUND DEEP TRIMLESS

A3!	5197	-	-		-	
		_				Ξ

base number Temperature (Diamond) Options

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: Bioniq Subseries: Bioniq Round Deep Brand: Prolicht Division: Architectural Mounting Type: Trimless Mounting Location: Ceiling

Subcategory: Downlight PHYSICAL Shape: Round Diameter (mm): 136 Diameter (in): 5 1/8 Height (mm): 151 Height (in): 5 15/16 Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 170 Min. Recessing Depth (in): 6 11/16

Light Distribution: Downlight

Weight (kg): 1.073 Weight (lbs): 2.36

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements:

■ 140mm / 5 1/2" Upon Request: Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12.1 / 14.7

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

LED

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 814 / 877 / 911 / 930

Nominal Lumen (lm): 1246 / 1342 / 1396 / 1424

CRI: >90 CRI

Efficiency (%): 90.5

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature Special LED

OPTICAL

Reflector°: 10

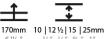
Optic°: Lens Pack - No Lens / Linear Spread Lens / Honeycomb / Spread

Upon Request: Special Beam Angles

Number of LEDs: 1







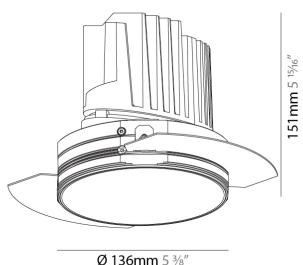






PROJECT TYPE SPECIFIER

QUANTITY DATE



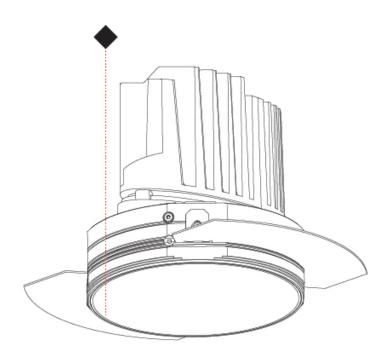
Page 5/36



BIONIQ ROUND DEEP TRIMLESS

A35197-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			







_		_	
13-	วก	₹5	Δ3
,,,,,	Zu	נגכ	M .3

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Semi Adjustable Brand: Prolicht Division: Architectural Mounting Type: Trimless Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL

Shape: Round Diameter (mm): 107 Diameter (in): 4 1/16

Height (mm): 112

Height (in): 4 1/16

Ceiling Thickness (mm): 10 / 12.5 / 15 / 25

Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1

Min. Recessing Depth (mm): 130 Min. Recessing Depth (in): 5 1/8

Light Distribution: Adjustable / Downlight

Weight (kg): 0.624 Weight (lbs): 1.38

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast

Cut-out Measurements:

☐ 111mm / 4 3/8"

Upon Request: Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12.1 / 14.7

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)

and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 850 / 950 / 1019 / 1040

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 88.5

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature

Special LED

OPTICAL

Reflector°: 10

Adjustability: Rotational 355°; Tilt 10°

Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

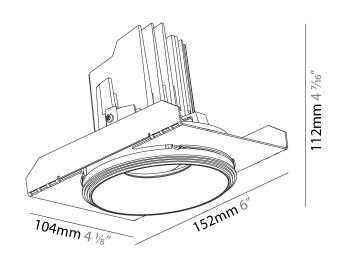
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com
Certified By: Certified for North American Standards

Available for International specifications by adding "INT" at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

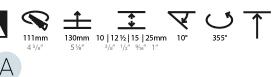
IlParating in 1240 rt to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

PROJECT TYPE SPECIFIER QUANTITY DATE





Ø 107mm 4 3/16"

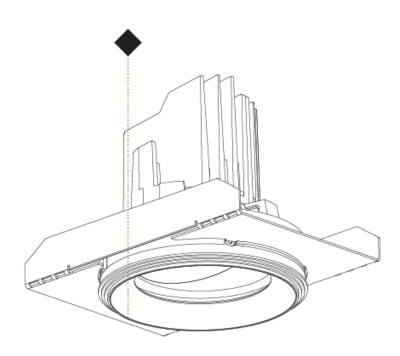


Page 7/36



A35203-

PROJECT		
ГҮРЕ		
SPECIFIER		
QUANTITY		
DATE		







A35209	-		_	-
base number	LED	Color	Finishes	Ceiling

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: Bioniq	
Subseries: Bioniq Round Semi Adjustable	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 136
Diameter (in): 5 $\frac{3}{4}$
Height (mm): 136
Height (in): 5 $\frac{3}{8}$
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 1/8
Light Distribution: Adjustable / Downlight
Weight (kg): 1.04
Weight (lbs): 2.29
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG

LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements:

■ 140mm / 5 1/2" Upon Request: Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12.1 / 14.7 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing

Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components Input Voltage (V): 120 - 277

Constant Current (MA): 350

LED

Number of LEDs: 1

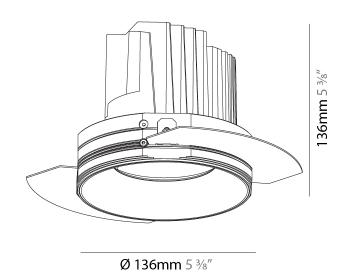
Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 870 / 970 / 1038 / 1060 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI Efficiency (%): 90.5 Lamp Life (hrs): 50000 Upon Request: RGB-W Tunable White Special Color Temperature

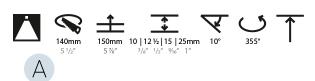
Special LED OPTICAL

Reflector°: 10 Adjustability: Rotational 355°; Tilt 10° Upon Request: Special Beam Angles

PROJECT TYPE SPECIFIER QUANTITY DATE







Page 9/36



A35209-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







A35224-

base number

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Adjustable Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL Shape: Round Diameter (mm): 107 Diameter (in): 4 1/16 Height (mm): 112 Height (in): 4 1/16 Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 130 Min. Recessing Depth (in): $5\frac{1}{8}$ Light Distribution: Adjustable / Downlight Weight (kg): 0.47 Weight (lbs): 1.04

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 98mm / 3 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 15 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2

Housing: See components Input Voltage (V): 120 - 277

Constant Current (MA): 350

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 850 / 950 / 1019 / 1040

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 0.885 Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

Adjustability: Rotational 355°; Tilt 30°

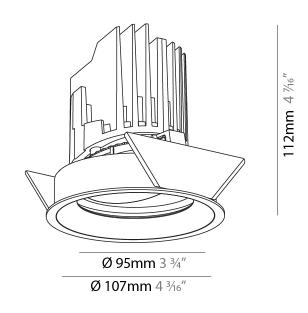
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

























A35224-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







A35233-

base number

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Adjustable Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL Shape: Round Diameter (mm): 139 Diameter (in): 5 1/2 Height (mm): 137 Height (in): 5 \(^{3}\){ Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 150 Min. Recessing Depth (in): $5\frac{7}{8}$ Light Distribution: Adjustable / Downlight Weight (kg): 0.805 Weight (lbs): 1.77

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 14 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components Input Voltage (V): 120 - 277

Number of LEDs: 1

Constant Current (MA): 350

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 870 / 970 / 1039 / 1060 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI Efficiency (%): 0.905 Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10 Optic°: Lens Pack - No Lens Adjustability: Rotational 355°; Tilt 30°

RATINGS AND CERTIFICATIONS

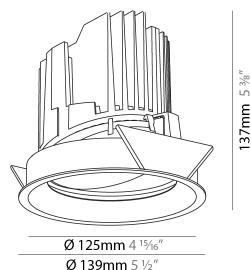
Certified By: CSA Certified to UL and CSA Standards

IP rating: IP20

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

PROJECT TYPE SPECIFIER QUANTITY DATE

























A35233-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







A35236-

base number

Temperature (Diamond)

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: Bioniq	
Subseries: Bioniq Round Adjustable	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

PHYSICAL
Shape: Round
Diameter (mm): 107
Diameter (in): $4\frac{3}{16}$
Height (mm): 112
Height (in): 4 $\frac{7}{16}$
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 130
Min. Recessing Depth (in): 5 1/8
Light Distribution: Adjustable / Downlight
Weight (kg): 0.47
Weight (lhs): 1 04

Weight (lbs): 1.04 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 98mm / 3 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 15 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components Input Voltage (V): 120 - 277

Number of LEDs: 1

Constant Current (MA): 350

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 790 / 880 / 951 / 970 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI Efficiency (%): 0.885 Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10 Optic°: Lens Pack - No Lens Adjustability: Rotational 355°; Tilt 30°

RATINGS AND CERTIFICATIONS

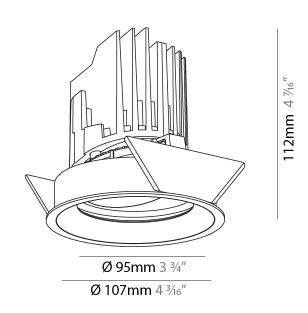
Certified By: Certified for North American Standards

IP rating: IP20

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	









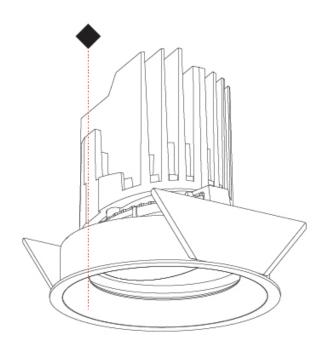






A35236-

ТҮРЕ
SPECIFIER
QUANTITY
DATE







A35245-

h	-	^	n	 m	h

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Adjustable Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL Shape: Round Diameter (mm): 139 Diameter (in): 5 1/2 Height (mm): 137 Height (in): 5 \(^{3}\){ Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 150 Min. Recessing Depth (in): 5 $\frac{7}{8}$ Light Distribution: Adjustable / Downlight Weight (kg): 0.849 Weight (lbs): 1.87

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 14 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 810 / 900 / 970 / 990

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI Efficiency (%): 0.905

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

Adjustability: Rotational 355°; Tilt 30°

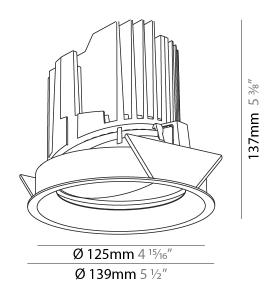
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP54

























A35245-

PROJECT	
ГҮРЕ	_
SPECIFIER	_
QUANTITY	_
DATE	_







A35278-

hase	number
Duoc	

Color Finishes Temperature (Diamond)

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: Bioniq
Subseries: Bioniq Round Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL
Shape: Round
Diameter (mm): 139
Diameter (in): 5 ½
Height (mm): 151
Height (in): 5 ½
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 170
Min. Recessing Depth (in): 6 ½
Light Distribution: Downlight
Weight (kg): 0.921
Weight (lbs): 2.03

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12 / 14

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

LED

Number of LEDs: 1

Constant Current (MA): 350

Number of LEDS: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 870 / 970 / 1039 / 1060

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 0.905

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

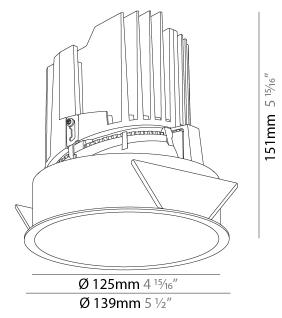
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE













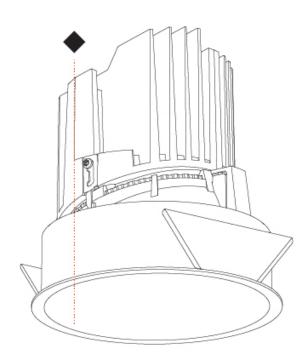






A35278-

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE







A35287-

h	 c	_			L
n				m	

Color Finishes
Temperature (Diamond)

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: Bioniq
Subseries: Bioniq Round Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL
Shape: Round
Diameter (mm): 139
Diameter (in): 5 ½
Height (mm): 151
Height (in): 5 ½
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 170
Min. Recessing Depth (in): 6 ½
Light Distribution: Downlight
Weight (kg): 0.946
Weight (lbs): 2.09

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12 / 14

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 810 / 900 / 970 / 990

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 0.905

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

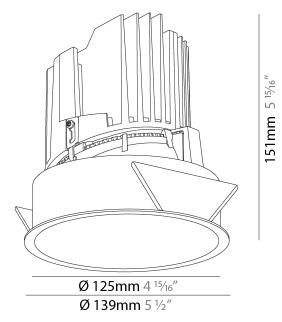
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP54

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE





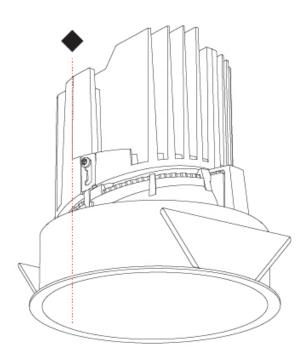


Page 21/36



A35287-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







A35290-

base number

Color Finishes
Temperature (Diamond)

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: Bioniq
Subseries: Bioniq Round Semi Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL
Shape: Round
Diameter (mm): 107
Diameter (in): $4^{\frac{3}{7}_{16}}$ Height (mm): 112
Height (in): $4^{\frac{7}{7}_{16}}$ Ceiling Thickness (mm): 10 / 12.5 / 15Ceiling Thickness (in): 3/8 or 1/2 or 9/16Min. Recessing Depth (mm): 130Min. Recessing Depth (in): $5^{\frac{1}{7}_{6}}$ Light Distribution: Adjustable / Downlight
Weight (kg): 0.488Weight (lbs): 1.08

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 98mm / 3 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12 / 14

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Driver Class: Class 2
Housing: See components
Input Voltage (V): 120 - 277
Constant Current (MA): 350

LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 850 / 950 / 1029 / 1050

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 0.885

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

Adjustability: Rotational 355°; Tilt 10°

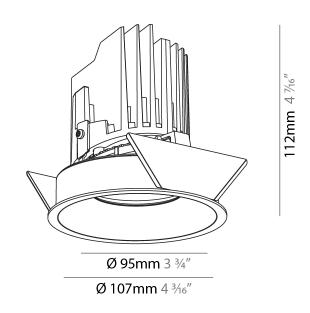
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







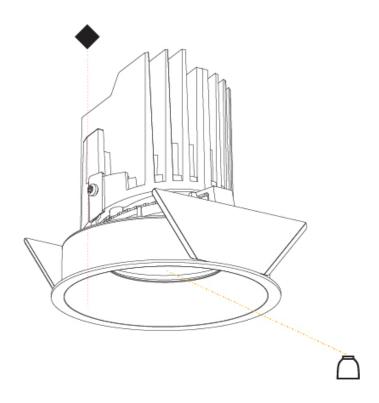


Page 23/36



A35290-

PROJECT
YPE
SPECIFIER
QUANTITY
DATE







A35299-

haca	 	L
base		

Temperature (Diamond)

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: Bioniq	
Subseries: Bioniq Round Semi Adjustable	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

PHYSICAL
Shape: Round
Diameter (mm): 139
Diameter (in): 5 ½
Height (mm): 137
Height (in): $5\frac{3}{8}$
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 1/8
Light Distribution: Adjustable / Downlight
Weight (kg): 0.814
Weight (lbs): 1.79

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 14 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 870 / 970 / 1039 / 1060 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI Efficiency (%): 90.5 Lamp Life (hrs): 50000

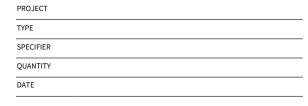
OPTICAL

Reflector°: 10 Adjustability: Rotational 355°; Tilt 10°

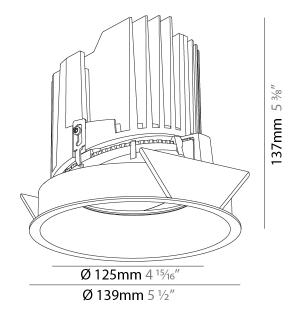
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







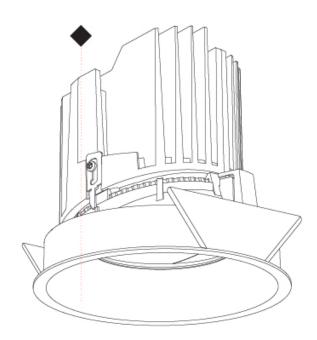


Page 25/36



A35299-

ROJECT	
YPE	
PECIFIER	
UANTITY	
ATE	







A35302-

base number

Color Finishes
Temperature (Diamond)

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: Bioniq	
Subseries: Bioniq Round Semi Adjustable	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 107
Diameter (in): 4 ³ / ₁₆
Height (mm): 112
Height (in): 4 1/16
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 130
Min. Recessing Depth (in): 5 1/8
Light Distribution: Adjustable / Downlight
Weight (kg): 0.452
Weight (lbs): 1
F F L

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast
Cut-out Measurements: 98mm / 3 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.2 / 16.5
Total Output Wattage (W): 12 / 14
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: No
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: See components
Input Voltage (V): 120 - 277
Constant Current (MA): 350

LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 790 / 880 / 950 / 970

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 88.5

Lamp Life (hrs): 50000

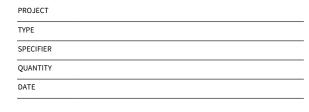
OPTICAL

Reflector°: 10
Adjustability: Rotational 355°; Tilt 10°

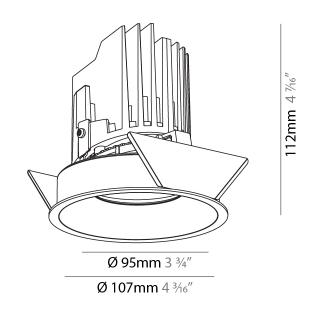
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP54





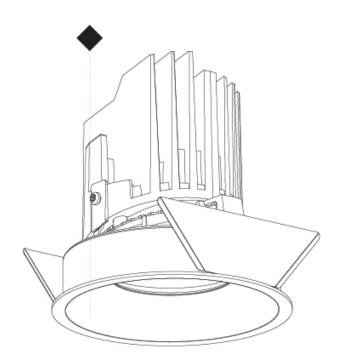






A35302-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







A35311-

base	nu	m	h.
base			

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Semi Adjustable Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL Shape: Round Diameter (mm): 139 Diameter (in): 5 1/2 Height (mm): 137 Height (in): 5 \(^{3}\){ Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 150 Min. Recessing Depth (in): 5 $\frac{7}{8}$ Light Distribution: Adjustable / Downlight Weight (kg): 0.851 Weight (lbs): 1.88

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 14 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277 Constant Current (MA): 350

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 810 / 900 / 970 / 990

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Efficiency (%): 0.905 Lamp Life (hrs): 50000

OPTICAL

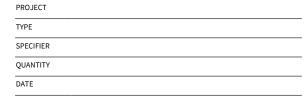
Reflector°: 10

Adjustability: Rotational 355°; Tilt 10°

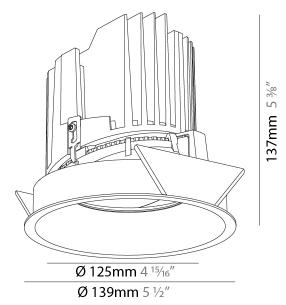
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP54



















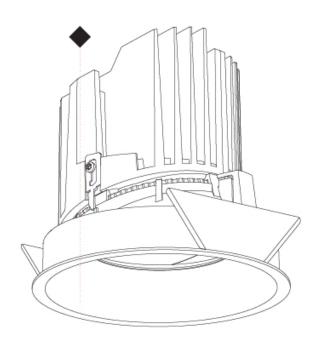






A35311-

ROJECT	
PE .	
PECIFIER	
JANTITY	
ATE	







BIONIQ ROUND WALLWASH RECESSED

A35344-

base number

Temperature (Diamond)

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: Bioniq Subseries: Bioniq Round Wallwash Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling

Subcategory: Wallwash **PHYSICAL** Shape: Round Diameter (mm): 139 Diameter (in): 5 1/2 Height (mm): 126 Height (in): 4 15/16 Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 140 Min. Recessing Depth (in): $5\frac{1}{2}$ Light Distribution: Adjustable / Asymmetric Weight (kg): 0.811 Weight (lbs): 1.79

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.2 / 16.5 Total Output Wattage (W): 12 / 14 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: No Driver Location: Recessed Housing Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: See components

Input Voltage (V): 120 - 277 Constant Current (MA): 350

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 690 / 760 / 823 / 840 Nominal Lumen (lm): 960 / 1070 / 1156 / 1180 CRI: >90 CRI

OPTICAL

Reflector°: 10 Adjustability: Fixed

Lamp Life (hrs): 50000

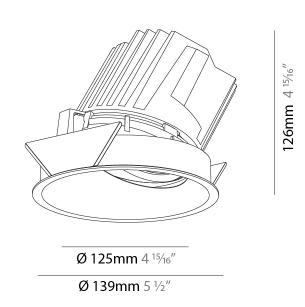
RATINGS AND CERTIFICATIONS

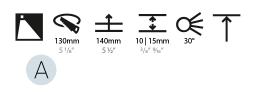
Certified By: Certified for North American Standards

IP rating: IP20

PROJECT TYPE SPECIFIER QUANTITY DATE







Page 31/36



BIONIQ ROUND WALLWASH RECESSED

A35344-

ROJECT	
YPE	
PECIFIER	
UANTITY	_
ATE	







BIONIQ ROUND PINHOLE RECESSED

A37855-

base number

Color Finishes Temperature (Diamond)

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: Bioniq
Subseries: Bioniq Round Pinhole
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL
Shape: Round
Diameter (mm): 139
Diameter (in): 5 ½
Height (mm): 126
Height (in): 4 ½
Height (in): 5 ½
Leiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (in): 5 ½
Light Distribution: Adjustable / Downlight
Weight (kg): 0.86

Weight (lbs): 1.9
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG /
LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /
COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast Cut-out Measurements: 130mm / 5 1/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.2 / 16.5

Total Output Wattage (W): 12 / 15

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Input Voltage (V): 120 - 277 Constant Current (MA): 350

LED

Housing: See components

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 810 / 900 / 970 / 990

Nominal Lumen (lm): 960 / 1070 / 1156 / 1180

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10

Adjustability: Rotational 355°; Tilt 30°

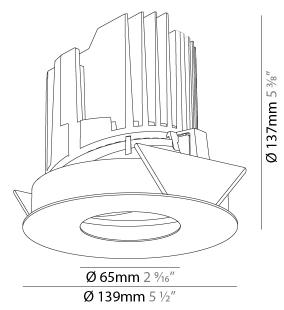
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20



















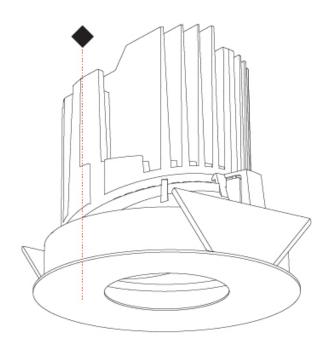




BIONIQ ROUND PINHOLE RECESSED

A37855-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			







BIONIQ

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.

Gun Metal: No Gun Metal finish is alike. It combines a mixture of transparent and black color particles which ensures a highly individual effect and no luminaire being identical. **Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold:** These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.





BIONIQ

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

LEGEND

Т		_			special LED (upon request) RGR_RGRW_tunable
	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	S	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	THESE	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
	direct light distribution		reflector degree selection	(K)	color temperature
X	direct/indirect light distribution	s s	super spot	ĹM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩ <u></u>	efficacy (lumens per watt)
	asymmetric light distribution	\otimes	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
X	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	3	walk on
7	square wall or ceiling cut-out		free individual colors 01-29	②	drive on
4	the supplied jig specifies the cutout dimensions	Ĉ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
□+, +	minimum distance (meters) lamp - object	•	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\hat{\pm}$	recessed depth	lack	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
1	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
8	separately switchable	\odot	indirect diffuser	. (1)	ETL Certified to UL and CSA Standards
9	sensor	O	direct diffuser	։ (Մ) ու	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(1)	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	(Z)	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

above the surface)

IK02	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) $$
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IKO6	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) $$
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)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm

protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm