BIONIQ ROUND ADJUSTABLE TRIMLESS

A35527-

Ceiling base number Finishes Reflector (Diamond) Thickness 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 Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 107
Diameter (in): 4^{3}_{16}
Height (mm): 112
Height (in): $4\frac{7}{16}$
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): 0.583
Weight (lbs): 1.28
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): 16.5
Total Output Wattage (W): 14.7
Dimming: Dali Dimming
Driver Location: Recessed Housing
Driver Type: Constant Current - 120Vac
Driver Class: Class 2
Housing: See Components
Input Voltage (V): 120
Constant Current (MA): 350
LED
Number of LEDs: 1
Max. Delivered Lumen (lm): 770
Nominal Lumen (lm): 1140
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature
Special LED
OPTICAL
Reflector ^o : 20 / 40 / 60

Reflector°: 20 / 40 / 60

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

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20

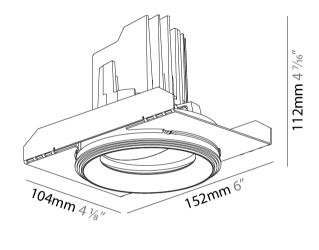
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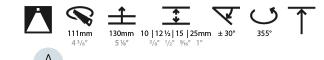
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PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		





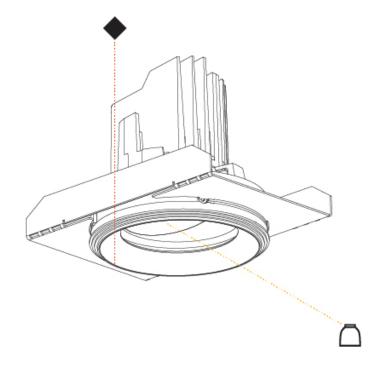
Ø 107mm 4 ³/16"



BIONIQ ROUND ADJUSTABLE TRIMLESS

A35527-

ТҮРЕ		
SPECIFIER		
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BIONIQ ROUND SEMI ADJUSTABLE TRIMLESS

A35529-

base number Finishes Ceiling Reflector (Diamond) Thickness 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 Semi Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 107
Diameter (in): $4\frac{3}{16}$
Height (mm): 112
Height (in): 4 ⁷ / 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): 0.609
Weight (lbs): 1.34
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): 16.5
Total Output Wattage (W): 14.7
Dimming: Dali Dimming
Driver Included: No
Driver Location: Recessed Housing
Driver Type: Constant Current - 120Vac
Driver Class: Class 2
Housing: See Components Input Voltage (V): 120
Constant Current (MA): 350

LED

Number of LEDs: 1	
Max. Delivered Lumen (Im	n): 770
Nominal Lumen (lm): 114	0
CRI: >90 CRI	
Lamp Life (hrs): 50000	
Upon Request: RGB-W Tu Special LED	nable White Special Color Temperature

OPTICAL

Reflector°: 20 / 40 / 60

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

RATINGS AND CERTIFICATIONS

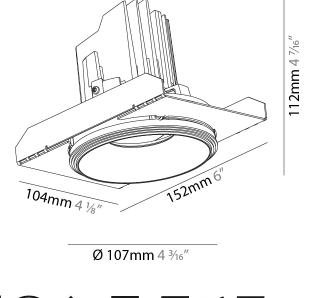
Certified By: Certified for North American Standards
IP rating: IP20

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SPECIFIER
QUANTITY
DATE



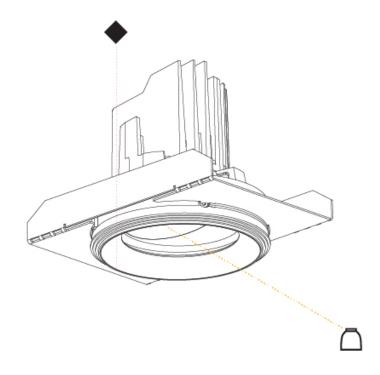


 $\begin{array}{c} & & & \\ & & & \\ 111mm \\ & & & \\ 4^{3}/6'' \\ & & 5^{3}/6'' \\ \end{array} \xrightarrow{10} 10 | 12 \frac{12}{12} | 15 | 25mm \\ & & & \\ 3^{3}/6'' | 1/2'' | 9/16'' | 1'' \\ \end{array} \xrightarrow{10^{\circ}} 10^{\circ} 355^{\circ} \end{array} \xrightarrow{1}$

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BIONIQ ROUND SEMI ADJUSTABLE TRIMLESS

A35529-



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BIONIQ SQUARE ADJUSTABLE TRIMLESS

A35530-

base number	Finishes (Diamond)	Finishes (Triangle)	Ceiling Thickness	Reflector 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

DENERAL	
Series: Bioniq	
Subseries: Bioniq Square Adjustable	
Brand: Prolicht	
Division: Architectural	
Iounting Type: Trimless	
Iounting Location: Ceiling	
Subcategory: Downlight	
PHYSICAL	
Shape: Square	
.ength (mm): 106	
Length (in): $4\frac{3}{16}$	
Vidth (mm): 106	
Vidth (in): $4\frac{3}{16}$	
Height (mm): 134	
Height (in): $5\frac{1}{4}$	
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25	
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1	
Ain. Recessing Depth (mm): 150	
Ain. Recessing Depth (in): 5 1/8	
ight Distribution: Adjustable / Downlight	
Veight (kg): 0.64	
Veight (lbs): 1.41 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / F	
.OD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GU	
COM / ABZ / JAG / OBR / MOS / ROR	. , ,
ixture Material: Aluminum Die Cast	
Cut-out Measurements: 120mm / 4 3/4" x 120mm / 4 3/4"	
Jpon Request: Unique Ceiling Thickness	
LECTRICAL	
.amp Type: LED (Zhaga Standard)	
nput Wattage (W): 16.5	
Total Output Wattage (W): 14.7	
Dimming: Dali Dimming	
Driver Included: No	
Driver Location: Recessed Housing	
Driver Type: Constant Current - 120Vac	
Driver Class: Class 2	
lousing: See Components	
nput Voltage (V): 120	
Constant Current (MA): 350	
ED	
Number of LEDs: 1	
/lax. Delivered Lumen (lm): 770	
Aax. Delivered Lumen (lm): 770 Jominal Lumen (lm): 1140 CRI: >90 CRI	
Jominal Lumen (lm): 1140	
Nominal Lumen (Im): 1140 CRI: >90 CRI	ure

OPTICAL

Reflector°: 20 / 40 / 60

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

RATINGS AND CERTIFICATIONS

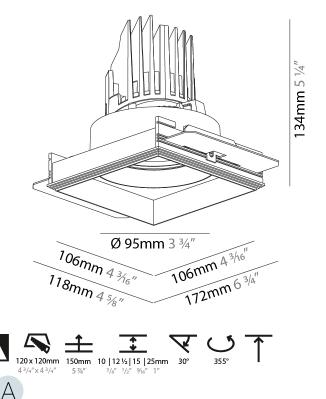
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DATE			





BIONIQ SQUARE ADJUSTABLE TRIMLESS

A35530-

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



BIONIQ SQUARE ADJUSTABLE COMFORT

TRIMLESS

A35531-

base number	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Ceiling Thickness	Reflector 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 Square A	djustable Comfort
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	r >
Subcategory: Downlight	
PHYSICAL	
Shape: Square	
Length (mm): 106	
Length (in): 4 $\frac{3}{16}$	
Width (mm): 106	
Width (in): 4 ³ / ₁₆	
Height (mm): 134	
Height (in): 5 ¼	
Ceiling Thickness (mm): 10	/ 12.5 / 15 / 25
Ceiling Thickness (in): 3/8 of	
Min. Recessing Depth (mm	
Min. Recessing Depth (in):	7
Light Distribution: Adjustal	
Weight (kg): 0.704	ster sowinght
Weight (lbs): 1.55	
	CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG /
	A / POP / BLS / SPG / MEY / GOH / GUM / CHC /
COM / ABZ / JAG / OBR / MO	OS / ROR
Fixture Material: Aluminum	າ Die Cast
Cut-out Measurements: 12	0mm / 4 3/4" x 120mm / 4 3/4"
Upon Request: Unique Cei	ling Thickness
ELECTRICAL	
Lamp Type: LED (Zhaga Sta	andard)
Input Wattage (W): 16.5	· · · ·
Total Output Wattage (W):	14.7
Dimming: Dali Dimming	
Driver Included: No	
Driver Location: Recessed	Housing
Driver Type: Constant Curr	ent - 120Vac
Driver Class: Class 2	
Housing: See Components	
Input Voltage (V): 120	
Constant Current (MA): 350)
LED	
Number of LEDs: 1	
Max. Delivered Lumen (lm)	: 770
Nominal Lumen (lm): 1140	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
	able White Special Color Temperature
OPTICAL	
Reflector ^o 20 / 40 / 60	

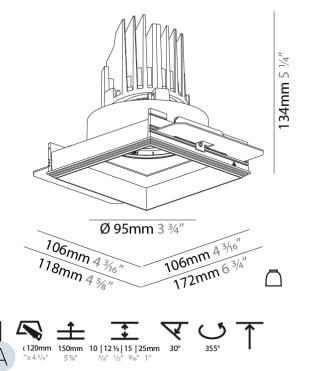
Reflector°: 20 / 40 / 60

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

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BIONIQ SQUARE ADJUSTABLE COMFORT

TRIMLESS

A35531-

PROJECT



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September 20, 2024, 4:11 am

BIONIQ SQUARE DEEP TRIMLESS

A35532-

base number	Finishes (Diamond)	Finishes (Triangle)	Ceiling Thickness	Reflector 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 Square Deep	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	
PHYSICAL	
Diameter (mm): 95	
Diameter (in): 3 ³ / ₄	
Length (mm): 106	
Length (in): 4^{3}_{16}	
Width (mm): 106	
Width (in): $4\frac{3}{16}$	
Height (mm): 150	
Height (in): $5\frac{7}{8}$	
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): 170	
Min. Recessing Depth (in): $6^{11}/_{16}$	
Light Distribution: Downlight	
Weight (kg): 0.688	
Weight (lbs): 1.52	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA /	
LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / G	GUM / CHC /
COM / ABZ / JAG / OBR / MOS / ROR	
Fixture Material: Aluminum Die Cast	
Cut-out Measurements: 120mm / 4 3/4" x 120mm / 4 3/4"	
Upon Request: Unique Ceiling Thickness	
ELECTRICAL	
Lamp Type: LED (Zhaga Standard)	
Input Wattage (W): 16.5	
Total Output Wattage (W): 14.7	
Dimming: Dali Dimming	
Driver Included: No	
Driver Location: Recessed Housing	
Driver Type: Constant Current - 120Vac	
Driver Class: Class 2	
Housing: See Components	
Input Voltage (V): 120	
Constant Current (MA): 350	
LED	
Number of LEDs: 1	
Color Temperature (°K): Warm Dim	
Max. Delivered Lumen (lm): 770	

Color Temperature (°K): Warm Dim	
Max. Delivered Lumen (lm): 770	
Nominal Lumen (lm): 1140	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
Upon Request: RGB-W Tunable White Special Color Temperature Special LED	
OPTICAL	

Reflector°: 20 / 40 / 60 Upon Request: Special Beam Angles

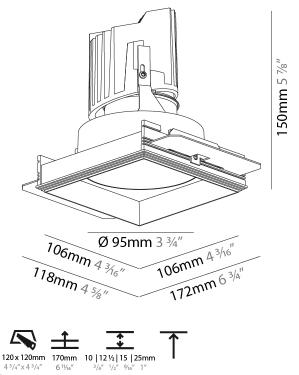
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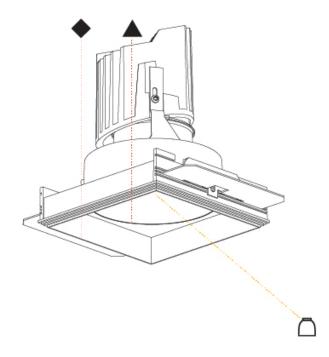


BIONIQ SQUARE DEEP TRIMLESS

A35532-

PROJECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



А

BIONIQ SQUARE DEEP COMFORT TRIMLESS

A35533-

base number	Finishes (Diamond)	Finishes (Triangle)	Ceiling Thickness	Reflector 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 Square Deep Comfort
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Square
Length (mm): 106
Length (in): $4\frac{3}{16}$
Width (mm): 106
Width (in): $4\frac{3}{16}$
Height (mm): 150
Height (in): 5 %
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): $6^{11}\lambda_{16}$
Light Distribution: Downlight
Weight (kg): 0.769
Weight (lbs): 1.69
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: 120mm / 4 3/4" x 120mm / 4 3/4"
Upon Request: Unique Ceiling Thickness
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 16.5
Total Output Wattage (W): 14.7
Dimming: Dali Dimming
Driver Included: No
Driver Location: Recessed Housing
Driver Type: Constant Current - 120Vac
Driver Class: Class 2
Housing: See Components
Input Voltage (V): 120
Constant Current (MA): 350
LED
Number of LEDs: 1
Max. Delivered Lumen (lm): 770
Nominal Lumen (lm): 1140
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature
Special LED
OPTICAL

Reflector°: 20 / 40 / 60

Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

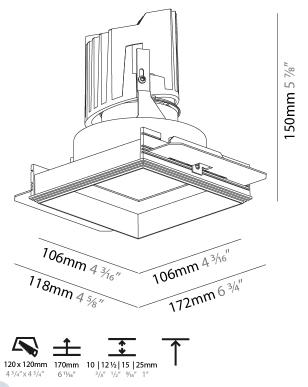
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BIONIQ SQUARE DEEP COMFORT TRIMLESS

A35533-

PROJECT



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the base model # product page

Subseries: Bioniq Square Adjustable

GENERAL Series: Bioniq

Brand: Prolicht **Division:** Architectural Mounting Type: Trimless Mounting Location: Ceiling Subcategory: Downlight

PHYSICAL

BIONIQ SQUARE ADJUSTABLE TRIMLESS

Ceiling

Thickness

Options

A37887	-		-	-
base number	LED	Color	Finishes	Finishes
	Dimming	Temperature	(Diamond)	(Triangle)

1. To build a product code in our configurator select the specify button on

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 # PROJECT

FROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



Shape: Square	
Diameter (mm	n): 95
Diameter (in):	3 3/4
Length (mm):	106
Length (in): 4	/16
Width (mm): 1	06
Width (in): 4 ¾	6
Height (mm):	134
Height (in): 5 ¹ /	4
 Ceiling Thickn	ess (mm): 10 / 12.5 / 15 / 25
Ceiling Thickn	ess (in): 3/8 or 1/2 or 9/16 or 1
Min. Recessing	g Depth (mm): 150
Min. Recessing	g Depth (in): 5 $\frac{7}{8}$
Light Distribut	tion: Adjustable / Downlight
Weight (kg): 0.	655
Weight (lbs): 1	.44
LOD / PUS / FF	SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / RO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / AG / OBR / MOS / ROR
	al: Aluminum Die Cast
	urements: 120mm / 4 3/4" x 120mm / 4 3/4"
	: Unique Ceiling Thickness
ELECTRICAL	· · · · · · · · · · · · · · · · · · ·
Lamp Type: L	ED (Zhaga Standard)
Input Wattage	
Total Output \	Nattage (W): 14.5
Dimming: Tri- and 0-10V Dim	Mode (Non-Dimming and Phase Dimming (120Vac only) ming)
Driver Include	d: No
Driver Locatio	n: Recessed Housing
Driver Type: C	onstant Current - Universal
Driver Class: C	lass 2
Housing: See	components
Input Voltage	
Constant Curr	ent (MA): 500
LED	
Number of LE	Ds: 1
Color Temper	ature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered	d Lumen (lm): 940 / 980 / 1029 / 1050
Nominal Lum	en (lm): 1386 / 1438 / 1511 / 1542
CRI: >90 CRI	
Efficiency (%):	87.9 / 88.4 / 87.9

Effi	ciency	(%)	: 8	7.9 / 88.4	4/87.9
		/1	`		

Lamp Life (hrs): 50000

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

OPTICAL

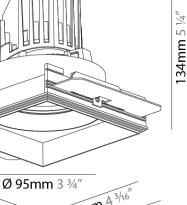
Reflector°: 20 / 40 / 60

Adjustability: Rotational 355°; Tilt 30°

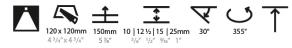
Upon Request: Special Beam Angles

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BIONIQ SQUARE ADJUSTABLE TRIMLESS

A37887-

PROJECT

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SPECIFIER			
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BIONIQ

Fixture Finish

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			

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)	Gun Metal - 25 (GUM)	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.

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.

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

In a constant effort 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

BIONIQ

PROJECT

TYPE SPECIFIER

QUANTITY

DATE

LEGEND

		_			
↓	floor-mounted	¥	pivotable	\circledast	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
$\overline{}$	wall and ceiling: recessed and surface mounted	C	rotating	\bigcirc	warm dim / natural dimming LED
Î	ceiling-mounted and wall-mounted	K	illuminate tilted	Ø	rechargeable battery powered
\rightarrow	wall-mounted	T	color of suspension cable	1111 1100	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution		length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	€К	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	¥.	lens		efficacy (lumens per watt)
	asymmetric light distribution	Ð	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ä	aura light distribution	0	shine ring	318	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	\odot	integrated shine ring with diffuser	٢	walk on
5	square wall or ceiling cut-out	Ū.	free individual colors 01-29		drive on
୶ୖୣୣୖ୶	the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	O SC	Dark Sky Compliance
(++) M++	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	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)	(ه)	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	۲	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
প	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
シ	sensor	D	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
	remote control	\odot	ball-proof (upon request)	S	CSA Certified to UL and CSA Standards
2	available upon request	U	accessory	\mathbb{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

КО1	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)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	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)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	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)