

## MAGIQ 8 CELL TRIMLESS

### A35130-

base number    Color    Finish    Reflector  
 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: Magiq  
 Subseries: Magiq 8 Cell  
 Brand: Prolicht  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 267  
 Length (in): 10 1/2  
 Width (mm): 35  
 Width (in): 1 3/8  
 Height (mm): 64  
 Height (in): 2 1/2  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 15/16  
 Weight (kg): 0.737  
 Weight (lbs): 1.61  
 Fixture Finish: BLK / WHI  
 Fixture Material: Aluminum Die Cast  
 Cut-out Measurements: 272mm / 10 11/16" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 30.2  
 Total Output Wattage (W): 25.9  
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

#### LED

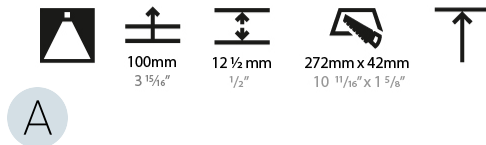
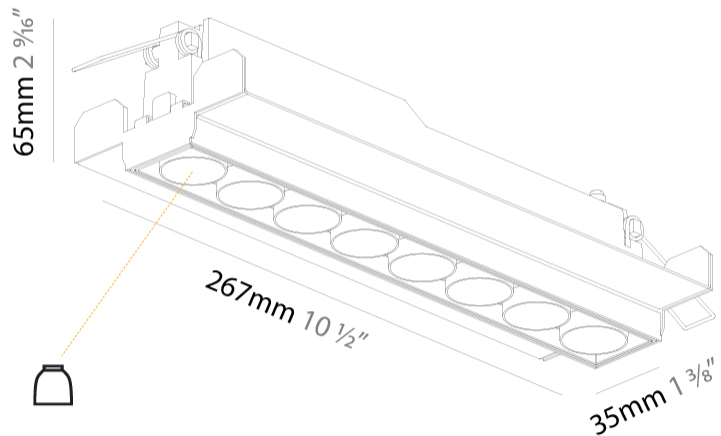
Number of LEDs: 8  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): 1560 / 1700 / 1725 / 1760  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

#### OPTICAL

Reflector: 8 / 14 / 34  
 Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards  
 IP rating: IP20



## MAGIQ 8 CELL TRIMLESS

A35130-

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



## MAGIQ 4 CELL KORONA TRIMLESS

### A35133-

base number    Color    Finishes    Finish    Reflector  
 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: Magiq  
 Subseries: Magiq 4 Cell Korona  
 Brand: Prolicht  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 135  
 Length (in): 5 <sup>5</sup>/<sub>16</sub>  
 Width (mm): 35  
 Width (in): 1 <sup>3</sup>/<sub>8</sub>  
 Height (mm): 65  
 Height (in): 2 <sup>9</sup>/<sub>16</sub>  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 <sup>15</sup>/<sub>16</sub>  
 Light Distribution: Downlight  
 Weight (kg): 0.401  
 Weight (lbs): 0.88  
 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  
 Holder Finish: WHI / BLK  
 Fixture Material: Aluminum Die Cast  
 Cut-out Measurements: 142mm / 5 9/16" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 14.3  
 Total Output Wattage (W): 13.3  
 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): 1050

#### LED

Number of LEDs: 4  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): 750 / 850 / 862 / 880  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

#### OPTICAL

Reflector: 8 / 14 / 34  
 Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards  
 Zaneen Lighting Inc. © 2024, 11800-300-1389, 1-416-247-9319, www.zaneen.com

For additional 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



## MAGIQ 4 CELL KORONA TRIMLESS

A35133-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
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DATE	_____



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PROJECT	
TYPE	
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QUANTITY	
DATE	

## MAGIQ 8 CELL KORONA TRIMLESS

### A35136-

base number	Color Temperature	Finishes (Diamond)	Reflector Options
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- 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: Magiq
Subseries: Magiq 8 Cell Korona
Brand: Prolight
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle
Length (mm): 267
Length (in): 10 1/2
Width (mm): 35
Width (in): 1 3/8
Height (mm): 65
Height (in): 2 9/16
Ceiling Thickness (mm): 12.5
Ceiling Thickness (in): 1/2
Min. Recessing Depth (mm): 100
Min. Recessing Depth (in): 3 15/16
Light Distribution: Downlight
Weight (kg): 0.737
Weight (lbs): 1.61

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

Holder Finish: WHI / BLK

Fixture Material: Aluminum Die Cast

Cut-out Measurements: 273mm / 10 3/4" x 42mm / 1 5/8"

Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 27
Total Output Wattage (W): 25.9
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 1050

#### LED

Number of LEDs: 8
Color Temperature (*K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): MAX. 1561 / 1685 / 1721 / 1756
Nominal Lumen (lm): MAX. 1760 / 1900 / 1940 / 1980
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: Special Color Temperature

#### OPTICAL

Reflector*: 8 / 14 / 34
Upon Request: Special Beam Angles

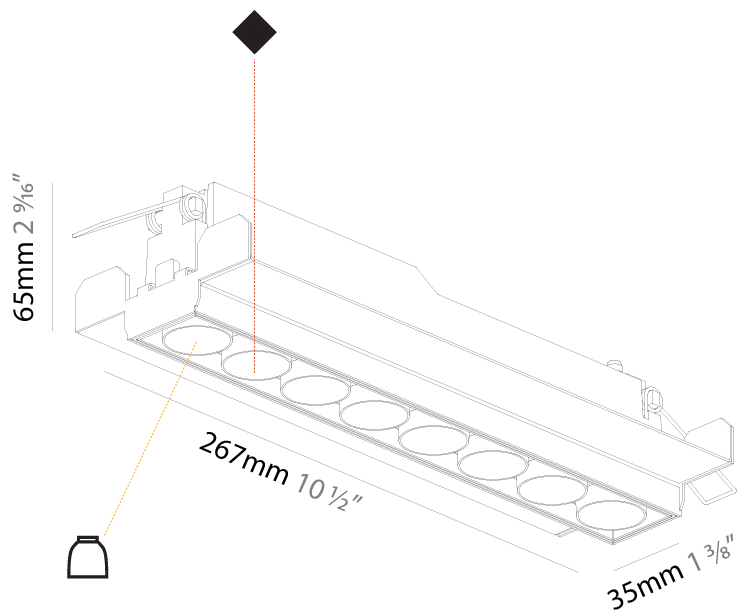
#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

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

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100mm  
3 15/16"



12 1/2 mm  
1/2"



272mm x 42mm  
10 11/16" x 1 5/8"



## MAGIQ 8 CELL KORONA TRIMLESS

A35136-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## MAGIQ 4 CELL TRIMLESS

### A35498-

base number    Color    Finish    Reflector  
 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: Magiq  
 Subseries: Magiq 4 Cell  
 Brand: Prolight  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 135  
 Length (in): 5 <sup>5</sup>/<sub>16</sub>  
 Width (mm): 35  
 Width (in): 1 <sup>3</sup>/<sub>8</sub>  
 Height (mm): 65  
 Height (in): 2 <sup>9</sup>/<sub>16</sub>  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 <sup>15</sup>/<sub>16</sub>  
 Light Distribution: Downlight  
 Weight (kg): 0.403  
 Weight (lbs): 0.89  
 Fixture Finish: BLK / WHI  
 Fixture Material: Aluminum Die Cast  
 Cut-out Measurements: 142mm / 5 9/16" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 14.3  
 Total Output Wattage (W): 13.3  
 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): 1050

#### LED

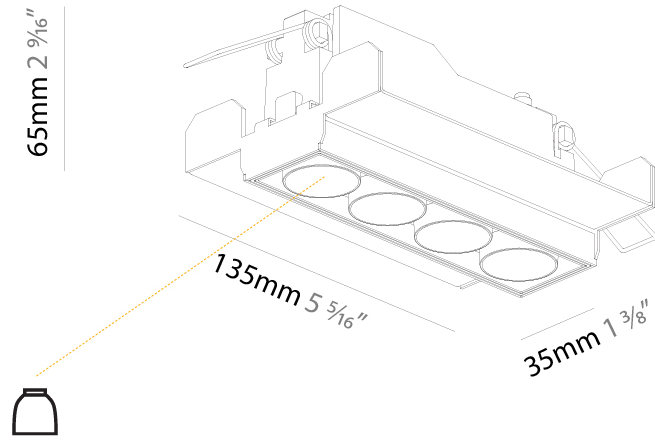
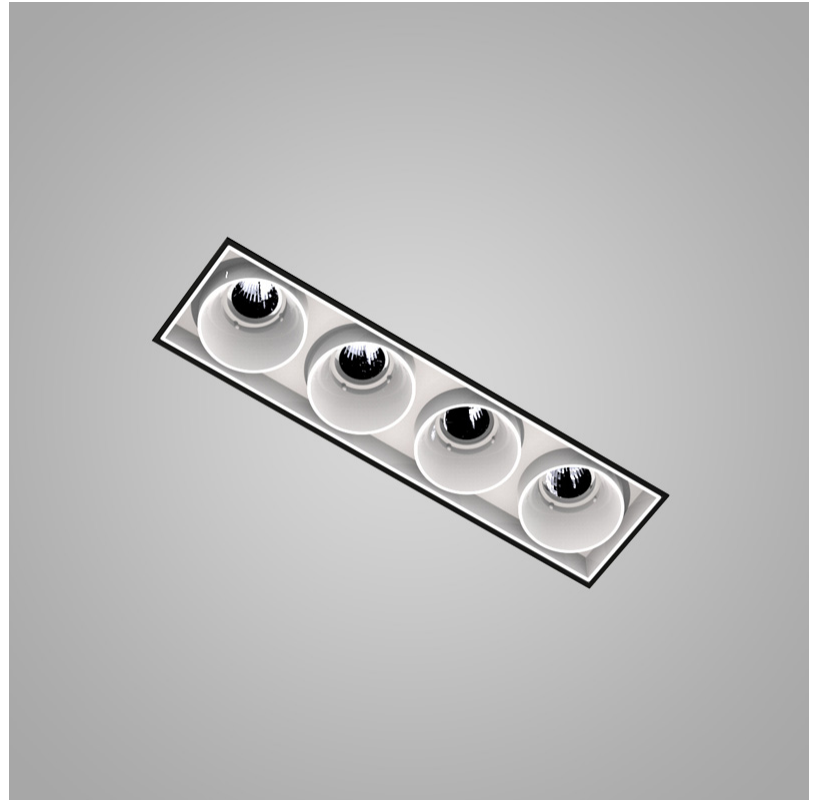
Number of LEDs: 4  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): 750 / 850 / 862 / 880  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

#### OPTICAL

Reflector: 8 / 18 / 34  
 Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

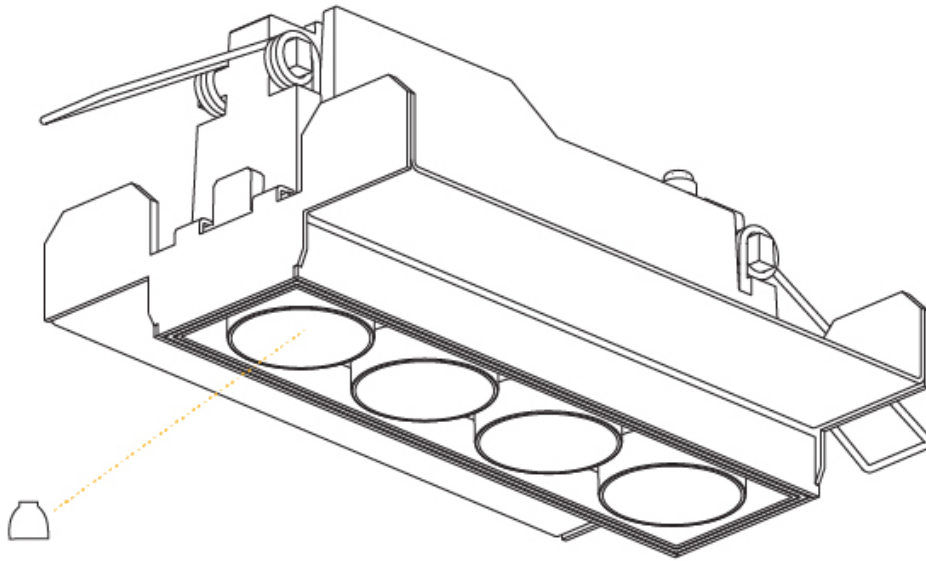
Certified By: CSA Certified to UL and CSA Standards  
 IP rating: IP20



## MAGIQ 4 CELL TRIMLESS

A35498-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____





## MAGIQ 2 CELL KORONA TRIMLESS

### A35569-

base number	Color Temperature	Finishes (Diamond)	Finish Options	Reflector Options
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- 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: Magiq  
 Subseries: Magiq 2 Cell Korona  
 Brand: Prolight  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 70  
 Length (in): 2 ¾  
 Width (mm): 35  
 Width (in): 1 ⅜  
 Height (mm): 65  
 Height (in): 2 ⅞  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 ⅝  
 Light Distribution: Direct  
 Weight (kg): 0.246  
 Weight (lbs): 0.54  
 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  
 Holder Finish: WHI / BLK  
 Fixture Material: Aluminum Die Cast  
 Cut-out Measurements: 82mm / 3 1/4" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 7.7  
 Total Output Wattage (W): 6.6  
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

#### LED

Number of LEDs: 2  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): 319 / 348 / 356 / 363  
 Nominal Lumen (lm): 440 / 480 / 490 / 500  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

#### OPTICAL

Reflector: 8 / 18 / 34  
 Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

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## MAGIQ 2 CELL KORONA TRIMLESS

A35569-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



## MAGIQ 2X2 CELL KORONA TRIMLESS

### A35572-

base number    Color    Finish    Finishes    Reflector  
 Temperature    Options    (Diamond)    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: Magiq  
 Subseries: Magiq 2x2 Cell Korona  
 Brand: Prolicht  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Rectangle  
 Length (mm): 70  
 Length (in): 2 ¾  
 Width (mm): 70  
 Width (in): 2 ¾  
 Height (mm): 65  
 Height (in): 2 9/16  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 15/16  
 Light Distribution: Downlight  
 Weight (kg): 0.437  
 Weight (lbs): 0.96  
 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: 82mm / 3 1/4" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 18  
 Total Output Wattage (W): 16.4  
 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): 1050

#### LED

Number of LEDs: 4  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): Max. 887  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

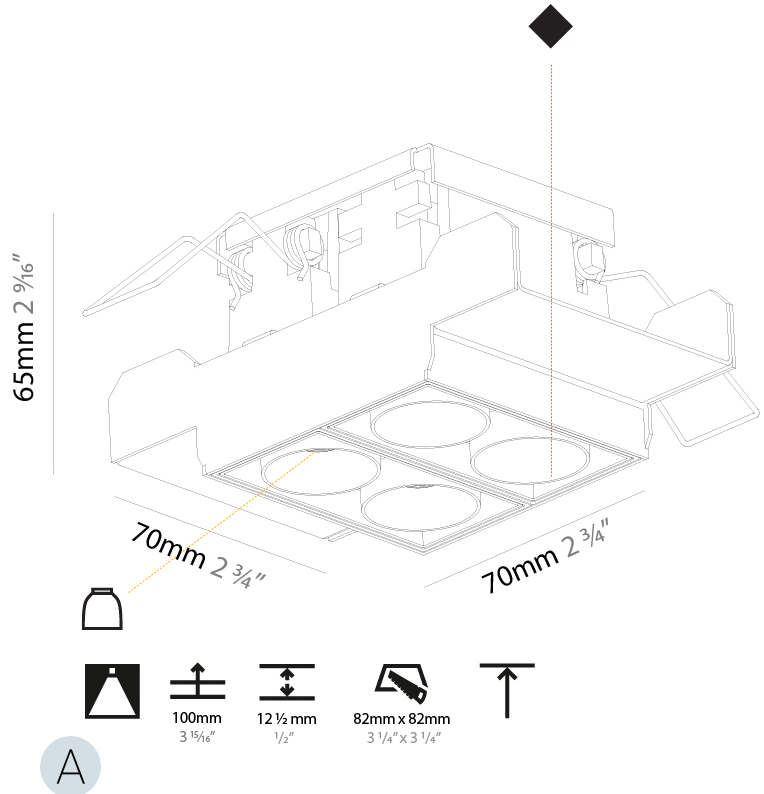
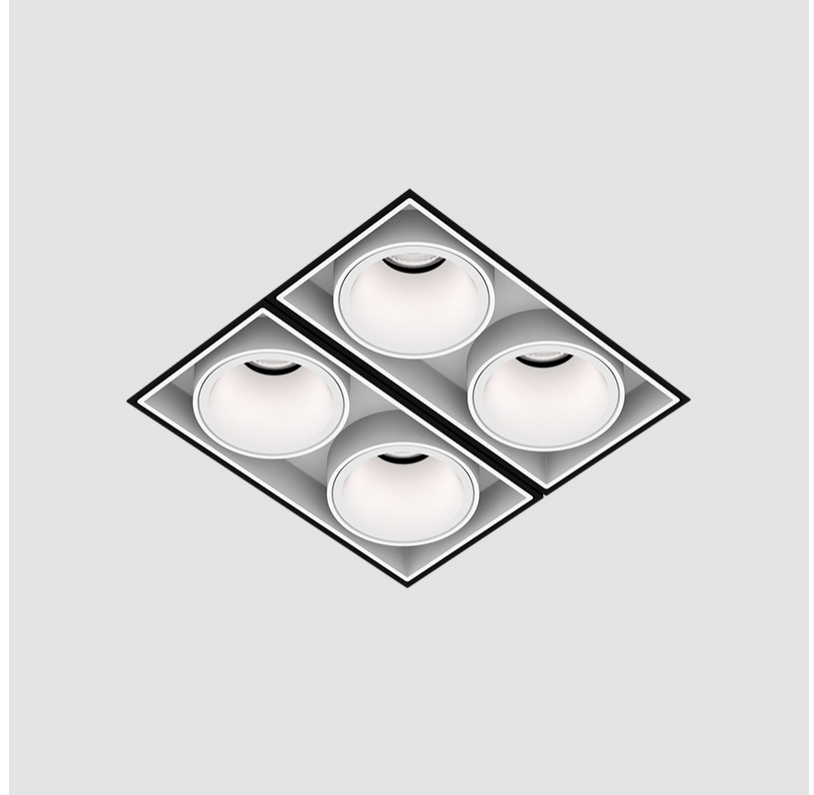
#### OPTICAL

Reflector°: 8 / 18 / 34  
 Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP20  
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## MAGIQ 2X2 CELL KORONA TRIMLESS

A35572-

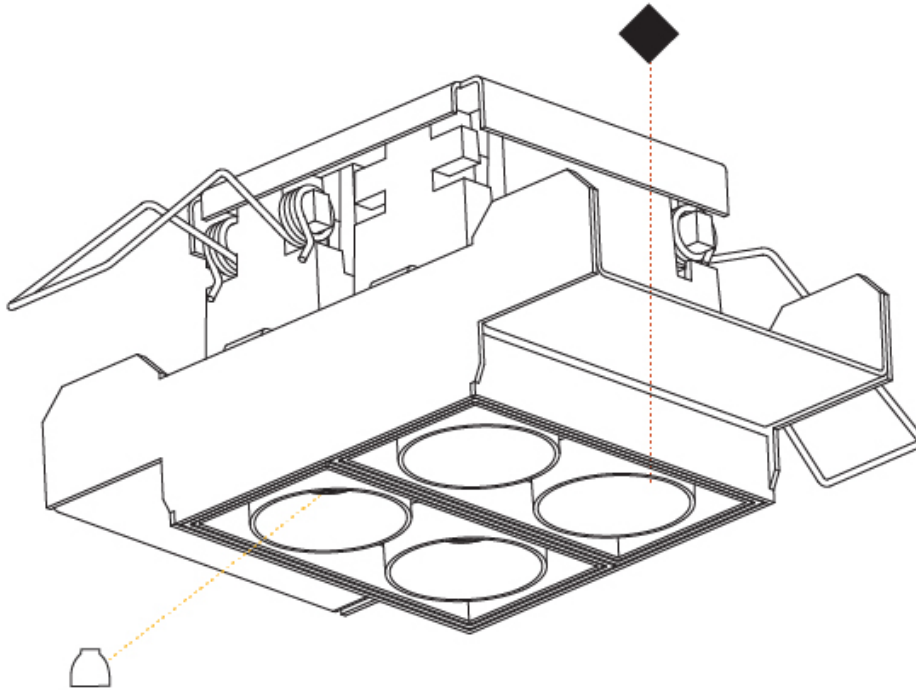
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

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QUANTITY	_____
DATE	_____

## MAGIQ 2 CELL TRIMLESS

**A35616-** \_\_\_\_\_ - \_\_\_\_\_  
 base number    Color    Temperature

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

### GENERAL

Series: Magiq  
 Subseries: Magiq 2 Cell  
 Brand: Prolicht  
 Division: Architectural  
 Mounting Type: Trimless  
 Mounting Location: Ceiling  
 Subcategory: Downlight

### PHYSICAL

Shape: Rectangle  
 Length (mm): 70  
 Length (in): 2 ¾  
 Width (mm): 35  
 Width (in): 1 ⅜  
 Height (mm): 65  
 Height (in): 2 ⅞  
 Ceiling Thickness (mm): 12.5  
 Ceiling Thickness (in): 1/2  
 Min. Recessing Depth (mm): 100  
 Min. Recessing Depth (in): 3 ⅝  
 Light Distribution: Downlight  
 Weight (kg): 0.241  
 Weight (lbs): 0.53  
 Fixture Finish: BLK / WHI  
 Fixture Material: Aluminum Die Cast  
 Cut-out Measurements: 82mm / 3 1/4" x 42mm / 1 5/8"  
 Upon Request: Unique Ceiling Thickness

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 9  
 Total Output Wattage (W): 8.2  
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

### LED

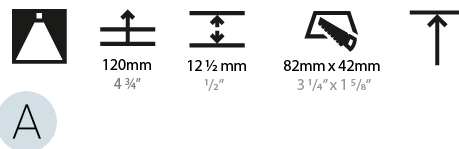
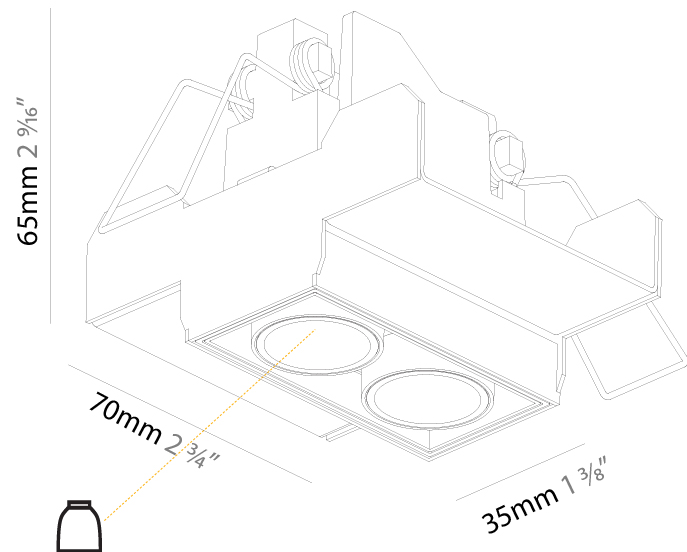
Number of LEDs: 2  
 Color Temperature (°K): 2700 / 3000 / 3500 / 4000  
 Max. Delivered Lumen (lm): 314 / 342 / 350 / 357  
 Nominal Lumen (lm): 440 / 480 / 490 / 500  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000  
 Upon Request: Special Color Temperature

### OPTICAL

Reflector: 8 / 18 / 34  
 Upon Request: Special Beam Angles

### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards  
 IP rating: IP20



## MAGIQ 2 CELL TRIMLESS

A35616-

PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



PROJECT \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 SPECIFIER \_\_\_\_\_  
 QUANTITY \_\_\_\_\_  
 DATE \_\_\_\_\_

### Fixture Finish



### Holder Finish



**Digital:** Not all screens are calibrated the same, and therefore, colors will appear differently between screens.  
**Physical:** While the colors are as close as possible to the digital representation, there will be slight variations in color, character and tone within a product series and between product families.  
 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 supply of the product, the colors are not to change appearance and black color particles are not visible in the product. The colors and finishes are being identical.  
**Gun Metal, Copper Mine, Ancient Bronze + Jazz Gold:** These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.



PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

### LEGEND

	floor-mounted		pivotable		special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
	wall and ceiling: recessed and surface mounted		rotating		warm dim / natural dimming LED
	ceiling-mounted and wall-mounted		illuminate tilted		rechargeable battery powered
	wall-mounted		color of suspension cable		fixture with natural vivid LED (upon request)
	omni-directional light distribution		length of suspension cable		color rendering index
	direct light distribution		reflector degree selection		color temperature
	direct/indirect light distribution		super spot		lumen (luminous flux)
	indirect light distribution		lens		efficacy (lumens per watt)
	asymmetric light distribution		lens pack		Unified Glare Rating (UGR) range from 5-40
	aura light distribution		shine ring		marine grade (AISI 316 stainless steel)
	round wall or ceiling cut-out		integrated shine ring with diffuser		walk on
	square wall or ceiling cut-out		free individual colors 01-29		drive on
	the supplied jig specifies the cutout dimensions		individual colors: 00 (free of charge), 01-25 (extra charge)		Dark Sky Compliance
	minimum distance (meters) lamp - object		luminaire part to be colored (F1)		Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)		acoustic material
	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

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

### IK RATING

	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)