## **MAGIQ 4 CELL MICRO-DOT RECESSED**

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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: Magiq Micro Dot	
Subseries: Magiq 4 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 145
Length (in): 5 11/16
Width (mm): 45
Width (in): 1 <sup>3</sup> / <sub>4</sub>
Height (mm): 64
Height (in): 2 ½
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 / 30
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 or 1 3/16
Min. Recessing Depth (mm): 100
Min. Recessing Depth (in): 3 15/16
Light Distribution: Downlight
Weight (kg): 0.265
Weight (lbs): 0.58
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: 138mm / 5 7/16" x 38mm / 1 1/2"

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 13.3 Total Output Wattage (W): 13 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: 4

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): Max 588 / 635 / 648 / 661 Nominal Lumen (lm): 880 / 954 / 970 / 990 CRI: >90 CRI Lamp Life (hrs): 50000

#### OPTICAL

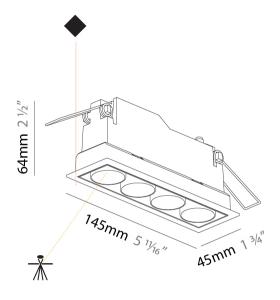
Optic°: 22 / 38

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44















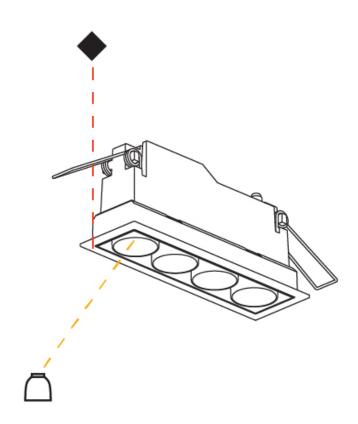




# MAGIQ 4 CELL MICRO-DOT RECESSED

A35765-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		





## **MAGIQ 2 CELL MICRO-DOT TRIMLESS**

#### A35780-

base number

Color	Lens
Temperature	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: Magiq Micro Dot	
Subseries: Magiq 2 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 70
Length (in): 2 <sup>3</sup> / <sub>4</sub>
Width (mm): 35
Width (in): 1 3/8
Height (mm): 65
Height (in): 2 %,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): 0.241
Weight (lbs): 0.53
Fixture Finish: 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): 9
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): 320 / 349 / 357 / 364
Nominal Lumen (lm): 440 / 465 / 470 / 480
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: Special Color Temperature

#### OPTICAL

Optic°: 22 / 38

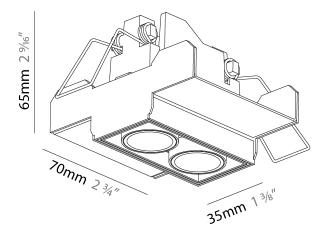
Upon Request: Special Beam Angles

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44















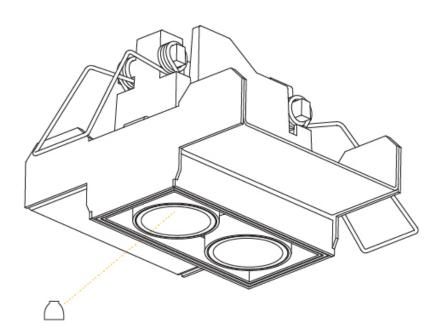




# MAGIQ 2 CELL MICRO-DOT TRIMLESS

A35780-

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DATE	_





### MAGIQ 2X2 CELL MICRO-DOT TRIMLESS

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Temperature 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: Magiq Micro Dot Subseries: Magiq 2x2 Cell Micro-Dot Brand: Prolicht Division: Architectural Mounting Type: Trimless Mounting Location: Ceiling

Subcategory: Downlight **PHYSICAL** Shape: Square Length (mm): 70 Length (in): 2 3/4 Width (mm): 70 Width (in): 2 3/4 Height (mm): 65 Height (in): 2 % 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): 0.428 Weight (lbs): 0.94 Fixture Material: Aluminum Die Cast Cut-out Measurements: 82mm / 3 1/4" x 42mm / 1 5/8"

#### **ELECTRICAL**

Upon Request: Unique Ceiling Thickness

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 14.3 Total Output Wattage (W): 13.2 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 / 4000 Max. Delivered Lumen (lm): 640 / 677 / 698

Nominal Lumen (lm): 880 / 930 / 960 CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: Special Color Temperature

#### OPTICAL

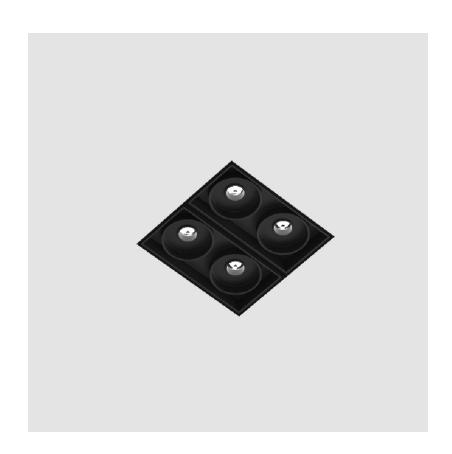
Optic°: 22 / 38

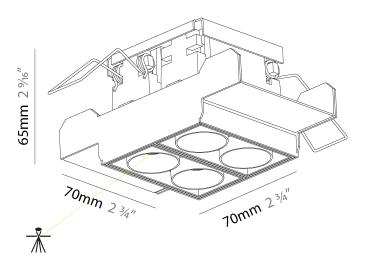
Upon Request: Special Beam Angles

#### **RATINGS AND CERTIFICATIONS**

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44















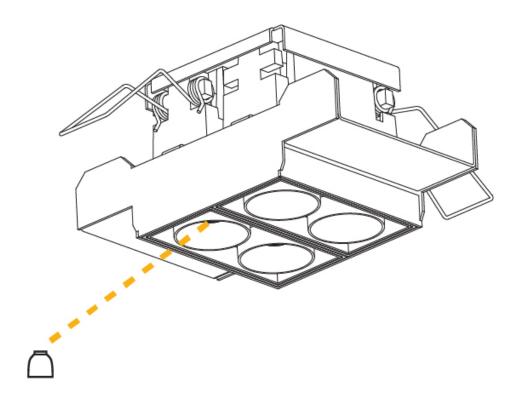




# MAGIQ 2X2 CELL MICRO-DOT TRIMLESS

A35781-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
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## **MAGIQ 4 CELL MICRO-DOT TRIMLESS**

#### A35782-

base number

Temperature 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: Magiq Micro Dot	
Subseries: Magiq 4 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

Brana. Frotiene
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 3/8
Height (mm): 65
Height (in): 2 % 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): 0.403
Weight (lbs): 0.89
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: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: See components
Input Voltage (V): 120 - 277
Constant Current (MA): 1050
LED

LED	
Number of LEDs: 4	
Color Temperature (°K): 2700 / 3000 / 3500 / 4000	
Max. Delivered Lumen (lm): 640 / 694 / 706 / 720	
Nominal Lumen (lm): 880 / 954 / 940 / 990	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
Upon Request: Special Color Temperature	
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#### OPTICAL

Optic°: 22 / 38

Upon Request: Special Beam Angles

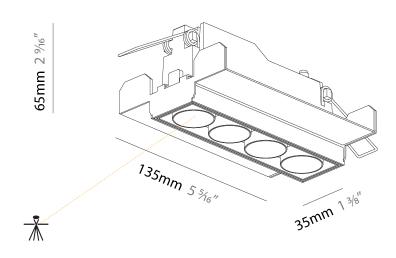
#### RATINGS AND CERTIFICATIONS

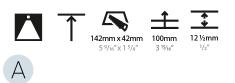
Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44

PROJECT TYPE SPECIFIER QUANTITY DATE







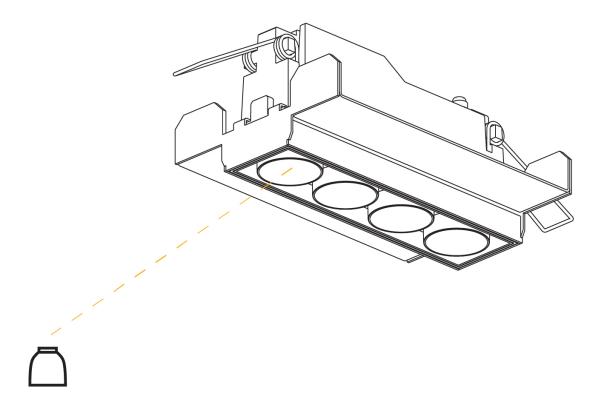
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# MAGIQ 4 CELL MICRO-DOT TRIMLESS

A35782-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





## **MAGIQ 8 CELL MICRO-DOT TRIMLESS**

#### A35783-

base number

Temperature 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: Magiq Micro Dot	
Subseries: Magiq 8 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 267
Length (in): 10 ½
Width (mm): 35
Width (in): 1 <sup>3</sup> / <sub>8</sub>
Height (mm): 64
Height (in): 2 ½
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 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): 1281 / 1388 / 1412 / 1441 Nominal Lumen (lm): 1761 / 1908 / 1941 / 1980 CRI: >90 CRI Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 21 / 38

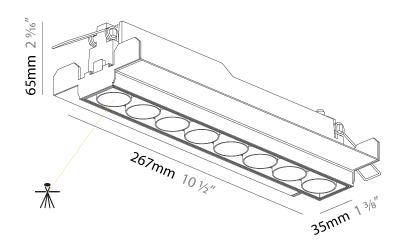
Upon Request: Special Beam Angles

Upon Request: Special Color Temperature

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP44













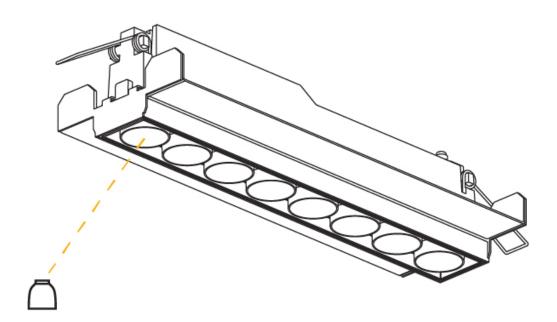




# MAGIQ 8 CELL MICRO-DOT TRIMLESS

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PROJECT	
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# MAGIQ 2 CELL MICRO-DOT RECESSED

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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: Magiq Micro Dot	
Subseries: Magiq 2 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 80
Length (in): $3\frac{1}{8}$
Width (mm): 45
Width (in): 1 <sup>3</sup> / <sub>4</sub>
Height (mm): 64
Height (in): 2 ½
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 / 30
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 or 1 3/16
Min. Recessing Depth (mm): 100
Min. Recessing Depth (in): 3 15/16
Light Distribution: Downlight
Weight (kg): 0.145
Weight (lbs): 0.32
Fig. 5. 1 COD / DIGIT / CONT / COV / LIAD / LIFE / LIA / DIA / FTC / NACC /

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: 73mm / 2 7/8" x 38mm / 1 1/2"

#### **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): 294 / 321 / 327 / 334 Nominal Lumen (lm): 440 / 465 / 470 / 480 CRI: >90 CRI Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 22 / 38

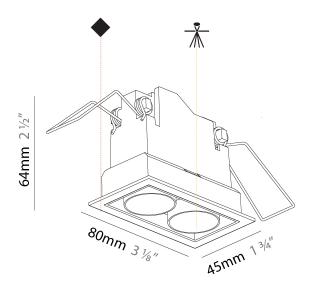
#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		













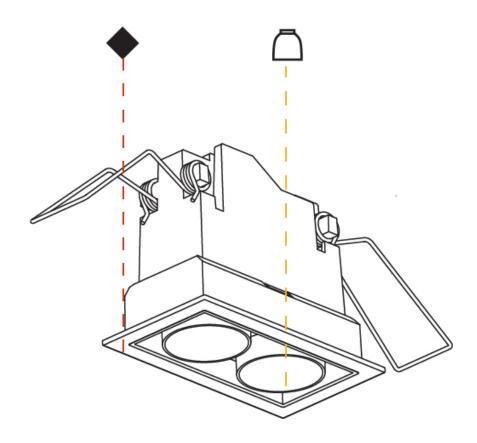




# MAGIQ 2 CELL MICRO-DOT RECESSED

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QUANTITY	_
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# MAGIQ 8 CELL MICRO-DOT RECESSED

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Color Finishes Lens
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: Magiq Micro Dot	
Subseries: Magiq 8 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 277
Length (in): 10 $\frac{7}{8}$
Width (mm): 45
Width (in): 1 <sup>3</sup> / <sub>4</sub>
Height (mm): 64
Height (in): 2 ½
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 / 30
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 or 1 3/16
Min. Recessing Depth (mm): 100
Min. Recessing Depth (in): 3 15/16
Light Distribution: Downlight
Weight (kg): 0.518
Weight (lbs): 1.14
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /

#### **ELECTRICAL**

COM / ABZ / JAG / OBR / MOS / ROR Fixture Material: Aluminum Die Cast

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 30.2
Total Output Wattage (W): 26.6
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

Cut-out Measurements: 270mm / 10 5/8" x 38mm / 1 1/2"

#### LED

Number of LEDs: 8

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

Max. Delivered Lumen (lm): 1280 / 1382 / 1411 / 1440

Nominal Lumen (lm): 1760 / 1900 / 1940 / 1980

CRI: >90 CRI

Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 22 / 38

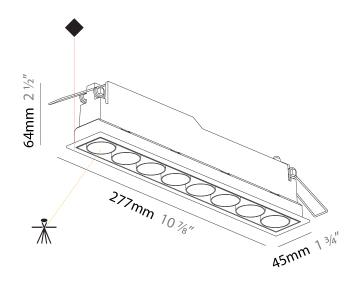
#### **RATINGS AND CERTIFICATIONS**

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP44









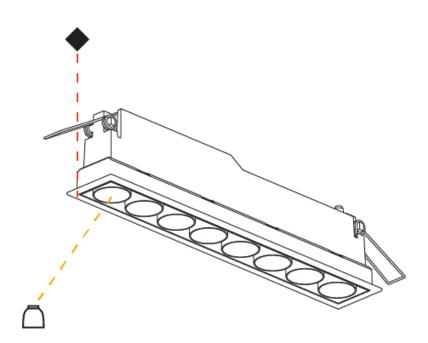
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# MAGIQ 8 CELL MICRO-DOT RECESSED

A35787-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





## **MAGIQ 4 CELL MICRO-DOT SURFACE**

A3D186		-	-	
base number	Color	Finishes	Lens	

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: Magiq Micro Dot	
Subseries: Magiq 4 Cell Micro-Dot	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Flush Mount	

Subcategory: Flush Mount
PHYSICAL
Shape: Rectangle
Length (mm): 142
Length (in): 5 \( \frac{9}{16} \)
Width (mm): 42
Width (in): 1 ½
Height (mm): 109
Height (in): 4 <sup>5</sup> / <sub>16</sub>
Light Distribution: Direct
Weight (kg): 0.65
Eixtura Einich: CCD / DKV/ / CMI / CDV / HAD / HET / ITA / DHA / ETC / MVC

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

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 13

Total Output Wattage (W): 11.8

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

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 1

Input Voltage (V): 120 - 277

Constant Current (MA): 1050mA

#### LED

Number of LEDs: 4

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

Max. Delivered Lumen (lm): 640 / 691 / 706 / 720

Nominal Lumen (lm): 880 / 950 / 970 / 990

CRI: >90 CRI

Efficiency (%): 80

Lamp Life (hrs): 50000

#### OPTICAL

Opticº: 22 / 38

Adjustability: Fixed

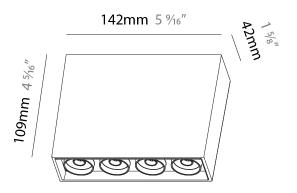
#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







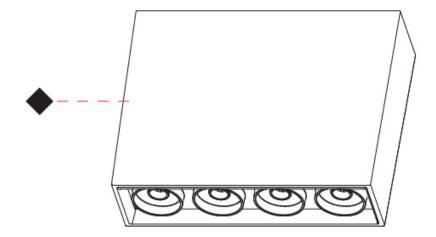




# MAGIQ 4 CELL MICRO-DOT SURFACE

A3D186-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		







## **MAGIQ MICRO DOT**

COLOR FINISH CHAR

# 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.





## **MAGIQ MICRO DOT**

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		

## **LEGEND**

↓ fl	Andrewski historical and the second second				
	loor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
<b>↗</b> w	wall and ceiling: recessed and surface mounted	S	rotating	0	warm dim / natural dimming LED
↑ ce	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
$\rightarrow   w$	wall-mounted	T	color of suspension cable	71400	fixture with natural vivid LED (upon request)
<b>Y</b> 0	omni-directional light distribution	<b></b>	length of suspension cable	CRI	color rendering index
<b>∆</b> d	direct light distribution		reflector degree selection	(K)	color temperature
d	direct/indirect light distribution	s s	super spot	(X)	lumen (luminous flux)
in	ndirect light distribution	*	lens	(₹	efficacy (lumens per watt)
a	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
a	aura light distribution	0	shine ring	€	marine grade (AISI 316 stainless steel)
ℴ ro	ound wall or ceiling cut-out	$\odot$	integrated shine ring with diffuser	3	walk on
<b>△</b> so	square wall or ceiling cut-out		free individual colors 01-29	<b>②</b>	drive on
€ th	he supplied jig specifies the cutout dimensions	0	individual colors: 00 (free of charge), 01-25 (extra charge)	OSC	Dark Sky Compliance
O+.→ m	ninimum distance (meters) lamp - object	<b>♦</b>	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
<u></u> re	ecessed depth		luminaire part to be colored (F2)		lamp protected against explosion
<u></u> C€	eiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
<b>1</b> C6	eiling thickness selection		luminaire part to be colored (F4)		acoustic material
== (s	dimmable DP (phase), DV (0-10V), DD (dali), DS step-dim)	•	luminaire part to be colored (F5)		protection class I, protection insulation
in co	ncluded or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
ひ se	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
**// se	sensor	0	direct diffuser	։ (Մ) us	UL Certified to UL and CSA Standards
€ re	emote control	0	ball-proof (upon request)	<b>(B)</b>	CSA Certified to UL and CSA Standards
<b>J</b> av	available upon request	9	accessory	$\mathbf{Z}$	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