## **ASTROS SUSPENSION**

## D91219

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Oval
Diameter (mm): 150
Diameter (in): 5 1/8
Height (mm): 460
Height (in): 18 $\frac{1}{8}$
Max. Overall Height (mm): 1600
Max. Overall Height (in): 63
Light Distribution: Omnidirectional
Weight (kg): 1.2
Weight (lbs): 2.499
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 1600mm/63" Cable
ELECTRICAL

#### CTRICAL

Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Total Output Wattage (W): 4.8
Max. Wattage Per Lamp (W): 4.8
Lamp Base: G9
Input Voltage (V): 120

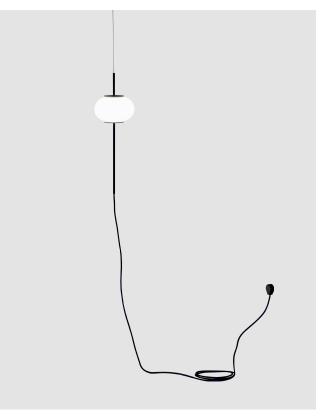
#### LED

OPTICAL

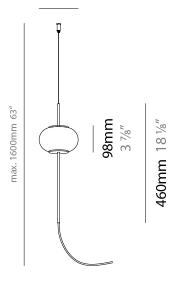
#### **RATINGS AND CERTIFICATIONS**

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

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		



Ø150mm 5 7%"



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## **ASTROS SUSPENSION**

## D91220

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Oval
Diameter (mm): 150
Diameter (in): 5 $\frac{7}{8}$
Height (mm): 460
Height (in): 18 <sup>1</sup> / <sub>8</sub>
Max. Overall Height (mm): 3000
Max. Overall Height (in): 118 $\frac{1}{8}$
Light Distribution: Omnidirectional
Weight (kg): 1.8
Weight (lbs): 3.999
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 2540mm/100" Cable
ELECTRICAL
Number of Lamps: 2

Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Total Output Wattage (W): 9.6
Max. Wattage Per Lamp (W): 4.8
Lamp Base: G9
Input Voltage (V): 120

### LED

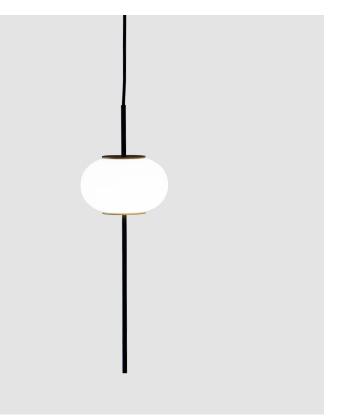
OPTICAL

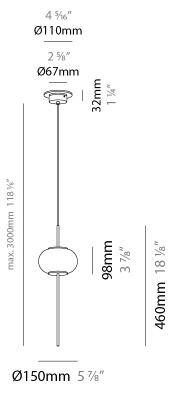
#### **RATINGS AND CERTIFICATIONS**

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IP rating: IP20	



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## **ASTROS SUSPENSION**

## D91221

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Oval
Height (mm): 460
Height (in): 18 $\frac{1}{8}$
Max. Overall Height (mm): 3000
Max. Overall Height (in): 118 $\frac{1}{8}$
Light Distribution: Omnidirectional
Weight (kg): 11.3
Weight (lbs): 24.999
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 2540mm/100" Cable
ELECTRICAL
Number of Lamps: 4
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Total Output Wattage (W): 9.6
Max. Wattage Per Lamp (W): 4.8

Lamp Base: G9 Input Voltage (V): 120

## LED

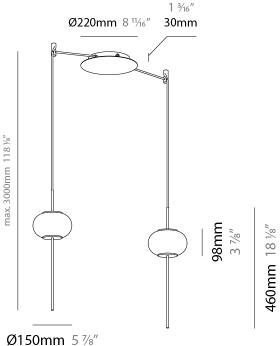
OPTICAL

#### **RATINGS AND CERTIFICATIONS**

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

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## **ASTROS SUSPENSION**

## D91223

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Oval
Height (mm): 460
Height (in): 18 $\frac{1}{8}$
Max. Overall Height (mm): 3000
Max. Overall Height (in): 118 $\frac{1}{8}$
Light Distribution: Omnidirectional
Weight (kg): 13.5
Weight (lbs): 29.799
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 2540mm/100" Cable
ELECTRICAL
Number of Lamps: 8
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Total Output Wattage (W): 38.4

LED	
Input Voltage (V): 120	
Lamp Base: G9	
Max. Wattage Per Lamp (W): 4.8	
Total Output Wattage (W): 38.4	

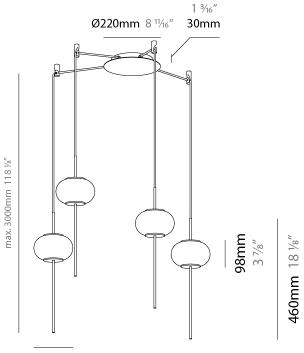
OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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SPECIFIER			
QUANTITY			
DATE			







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## **ASTROS SUSPENSION**

## D91224

base number

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: Astros	
Brand: Milan	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Oval	
Height (mm): 460	
Height (in): 18 <sup>1</sup> / <sub>8</sub>	
Max. Overall Height (mm): 3000	
Max. Overall Height (in): 118 1/8	
Light Distribution: Omnidirectional	
Weight (kg): 14.6	
Weight (lbs): 32.199	
Diffuser: Glass - Opal	
Fixture Finish: MBQ	
Fixture Material: Glass / Metal	
Cable Details: 2540mm/100" Cable	
ELECTRICAL	
Number of Lamps: 10	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	

LED	
Input Voltage (V): 120	
Lamp Base: G9	
Max. Wattage Per Lamp (W): 4.8	
Total Output Wattage (W): 48	
Buib Included: Buib Not Included	

## OPTICAL

### RATINGS AND CERTIFICATIONS

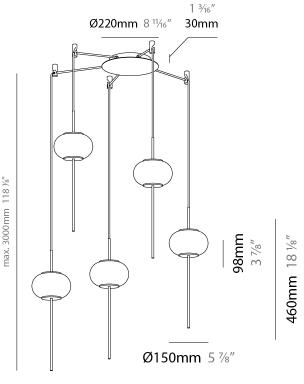
RATINGS AND CERTIFICATIONS

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

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## **ASTROS SUSPENSION**

### D91225

base number

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: Astros	
Brand: Milan	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Oval	
Height (mm): 460	
Height (in): $18\frac{1}{3}$	
Max. Overall Height (mm): 3000	
Max. Overall Height (in): 118 $\frac{1}{8}$	
Light Distribution: Omnidirectional	
Weight (kg): 15.7	
Weight (lbs): 34.619	
Diffuser: Glass - Opal	
Fixture Finish: MBQ	
Fixture Material: Glass / Metal	
Cable Details: 2540mm/100" Cable	
ELECTRICAL	
Number of Lamps: 6	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	

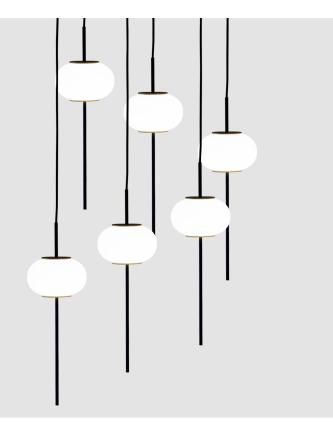
Number of Lamps: 6	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	
Total Output Wattage (W): 57.2	
Max. Wattage Per Lamp (W): 4.8	
Lamp Base: G9	
Input Voltage (V): 120Vac Direct Line	
LED	

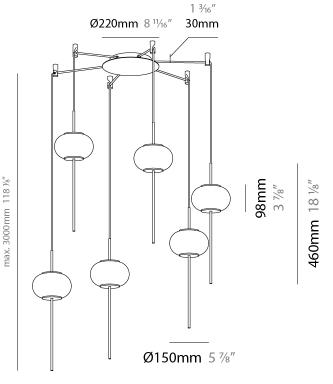
## OPTICAL

#### RATINGS AND CERTIFICATIONS

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IP rating: IP20

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## **ASTROS SUSPENSION**

## D91231

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Oval
Diameter (mm): 150
Diameter (in): 5 1/8
Height (mm): 460
Height (in): 18 $\frac{1}{8}$
Max. Overall Height (mm): 3000
Max. Overall Height (in): 118 ½
Light Distribution: Omnidirectional
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 2540mm/100" Cable
ELECTRICAL

#### ELECTRICAL

Number of Lamps: 2	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 4.8	
Lamp Base: G9	
Input Voltage (V): 120	

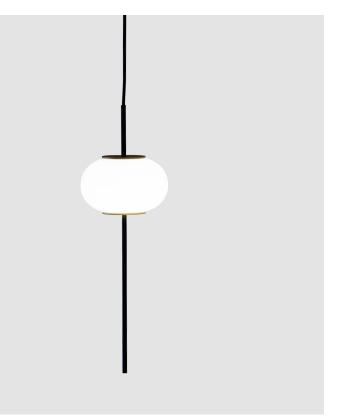
#### LED

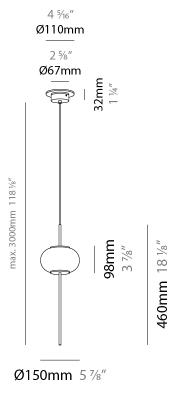
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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## **ASTROS PORTABLE**

### D94053

base number

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: Astros Brand: Milan	
Division: Design	
Mounting Type: Portable	
Mounting Location: Table	
Subcategory: Table	
PHYSICAL	
Shape: Oval	
Diameter (mm): 200	
Diameter (in): 7 <sup>7</sup> / <sub>8</sub>	
Height (mm): 505	
Height (in): 19 <sup>7</sup> / <sub>8</sub>	
Light Distribution: Omnidirec	tional
Weight (kg): 1.3	
Weight (lbs): 2.899	
Diffuser: Glass - Opal	
Fixture Finish: MBQ	
Fixture Material: Glass / Meta	l
Cable Details: 2000mm / 78 3	/4" Cable complete with Switch

#### ELECTRICAL

LED	
Input Voltage (V): 120	
Lamp Base: G9	
Max. Wattage Per Lamp (W): 4.8	
Total Output Wattage (W): 9.6	
Bulb Included: Bulb Not Included	
Lamp Type: LED Retrofit	
Number of Lamps: 2	

## OPTICAL

#### **RATINGS AND CERTIFICATIONS**

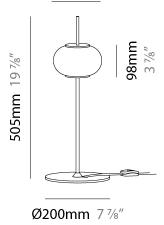
Certified By: CSA Certified to UL and CSA Standards IP rating: IP20



DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			



Ø150mm 5 7%"



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## **ASTROS PORTABLE**

### D94054

base number

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: Astros
Brand: Milan
Division: Design
Mounting Type: Portable
Mounting Location: Floor
Subcategory: Floor
PHYSICAL
Shape: Oval
Diameter (mm): 200
Diameter (in): $7\frac{7}{8}$
Height (mm): 1355
Height (in): 53 ¾
Light Distribution: Omnidirectional
Weight (kg): 1.8
Weight (lbs): 3.899
Diffuser: Glass - Opal
Fixture Finish: MBQ
Fixture Material: Glass / Metal
Cable Details: 2000mm / 78 3/4" Cable complete with Switch

#### ELECTRICAL

Number of Lamps: 2
Lamp Type: LED Retrofit
Bulb Included: Bulb Not Included
Total Output Wattage (W): 9.6
Max. Wattage Per Lamp (W): 4.8
Lamp Base: G9
Input Voltage (V): 120
LED

## OPTICAL

### **RATINGS AND CERTIFICATIONS**

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



PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		



Ø150mm 5 7/8"



Ø200mm 7 %"

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## **ASTROS PORTABLE**

### D94055

base number

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: Astros	
Brand: Milan	
Division: Design	
Mounting Type: Portable	
Mounting Location: Floor	
Subcategory: Floor	
PHYSICAL	
Shape: Oval	
Diameter (mm): 240	
Diameter (in): 9 <sup>7</sup> / <sub>16</sub>	
Height (mm): 1615	
Height (in): 63 <sup>9</sup> / <sub>16</sub>	
Light Distribution: Omnidirectional	
Weight (kg): 0.4	
Weight (lbs): 0.899	
Diffuser: Glass - Opal	
Fixture Finish: MBQ	
Fixture Material: Glass / Metal	
Cable Details: 2000mm / 78 3/4" Cable complete with Switch	

#### ELECTRICAL

Number of Lamps: 2	
Lamp Type: LED Retrofit	
Bulb Included: Bulb Not Included	
Total Output Wattage (W): 9.6	
Max. Wattage Per Lamp (W): 4.8	
Lamp Base: G9	
Input Voltage (V): 120	
LED	

## OPTICAL

### **RATINGS AND CERTIFICATIONS**

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



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DATE			



Ø150mm 5 7%"



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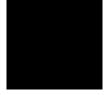
## ASTROS COLOR FINISH CHART

PROJECT

DATE			
QUANTITY			
SPECIFIER			
ТҮРЕ			
PROJECT			

#### **Fixture Finish**

Matte Black Lacquer - MBQ



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.

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## ASTROS

LEGEND

PROJECT

TYPE

QUANTITY

DATE

#### special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+\_\_\_ 1 floor-mounted Y pivotable $\circledast$ 1 0 wall and ceiling: recessed and surface mounted rotating warm dim / natural dimming LED Œ illuminate tilted Î ceiling-mounted and wall-mounted rechargeable battery powered Ø Ţ wall-mounted color of suspension cable fixture with natural vivid LED (upon request) -> 1 $\mathbb{Y}$ omni-directional light distribution 1 CRI length of suspension cable color rendering index Ä direct light distribution Δ reflector degree selection °K color temperature direct/indirect light distribution s s LM) super spot lumen (luminous flux) Å Y LM indirect light distribution lens efficacy (lumens per watt) asymmetric light distribution Q UGR Unified Glare Rating (UGR) range from 5-40 lens pack 0 ÷ marine grade (AISI 316 stainless steel) Ă aura light distribution shine ring 9 round wall or ceiling cut-out lacksquareintegrated shine ring with diffuser 1 walk on 5 square wall or ceiling cut-out ĥ free individual colors 01-29 . drive on individual colors: 00 (free of charge), 01-25 (extra d the supplied jig specifies the cutout dimensions Ċ DSC Dark Sky Compliance charge) Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor) (++) M minimum distance (meters) lamp - object luminaire part to be colored (F1) Ġ • Î lamp protected against explosion recessed depth luminaire part to be colored (F2) blown glass using traditional methods by master € ceiling thickness in mm luminaire part to be colored (F3) A glass blower T ceiling thickness selection luminaire part to be colored (F4) 1) 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 $\odot$ У indirect diffuser 1 separately switchable ETL Certified to UL and CSA Standards

## **IP RATING**

sensor

remote control

available upon request

2

0

2

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)
1740	no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire)
1243	protected against sprays of water up to 60 degrees from the vertical (rain)
1P44	protected against ingress of solid bodies greater than 1mm (wire)
1P44	protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas)
1954	protected against water splashed from all directions
1965	protected against ingress of dust
1965	protected against jets of water
1966	protected against ingress of dust
100	protected against powerful jets of water or heavy seas
1967	protected against ingress of dust
1007	protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust
1968	protected against immersion of water under pressure for long periods

## **IK RATING**

6

SP

(Z)

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)
К10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

UL Certified to UL and CSA Standards

CSA Certified to UL and CSA Standards

Certified for North American Standards

D

0

U

direct diffuser

accessory

ball-proof (upon request)

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