

PROJECT	
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## ASTROS SUSPENSION

### D91219

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 150  
 Diameter (in): 5 7/8  
 Height (mm): 460  
 Height (in): 18 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

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

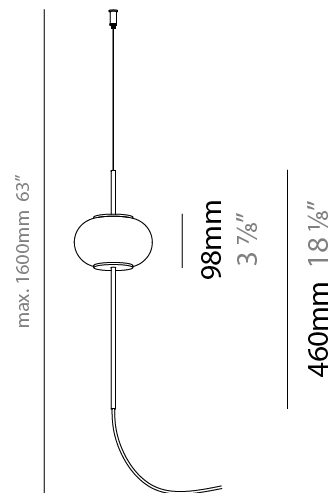
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



Ø150mm 5 7/8"



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## ASTROS SUSPENSION

### D91220

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 150  
 Diameter (in): 5 7/8  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 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

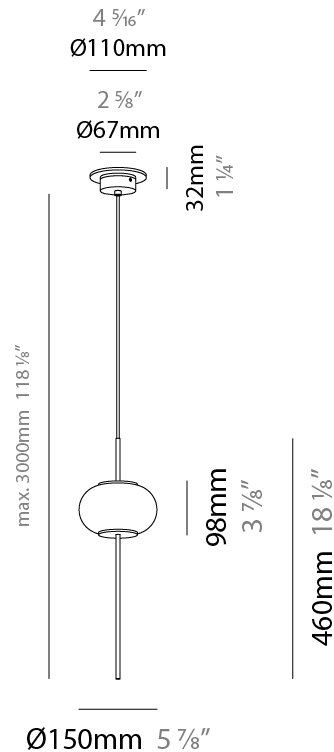
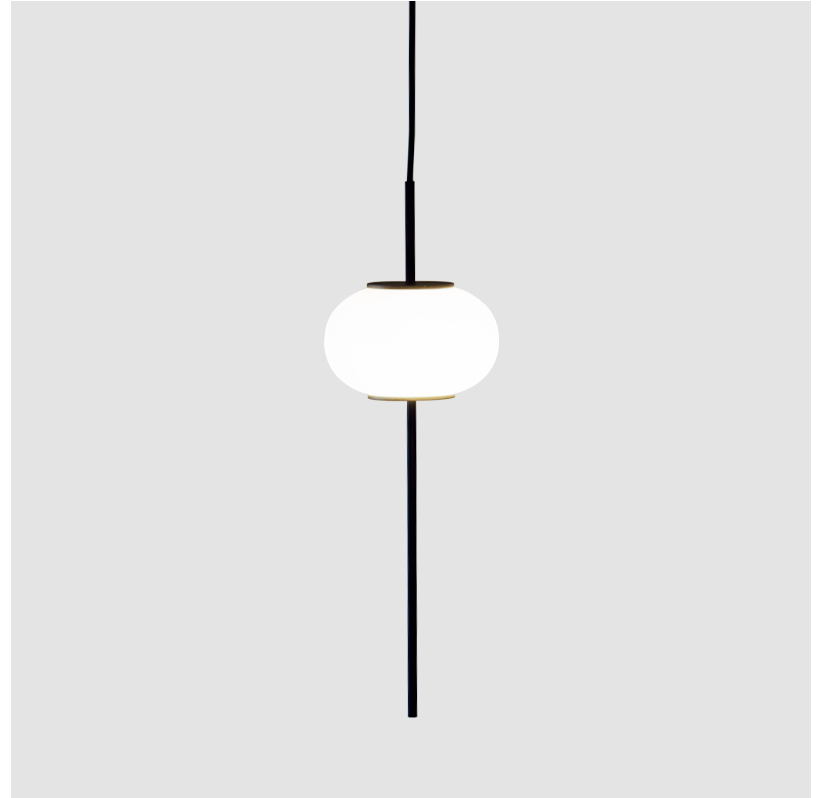
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
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## ASTROS SUSPENSION

### D91221

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 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

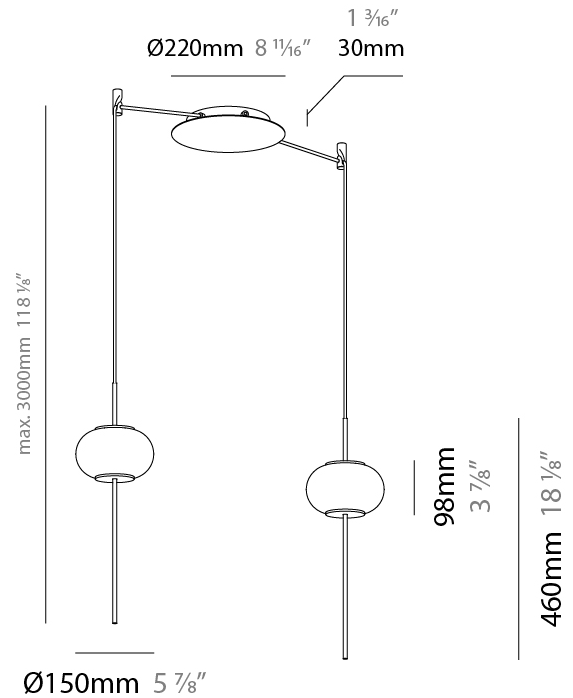
Number of Lamps: 4  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### 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

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 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

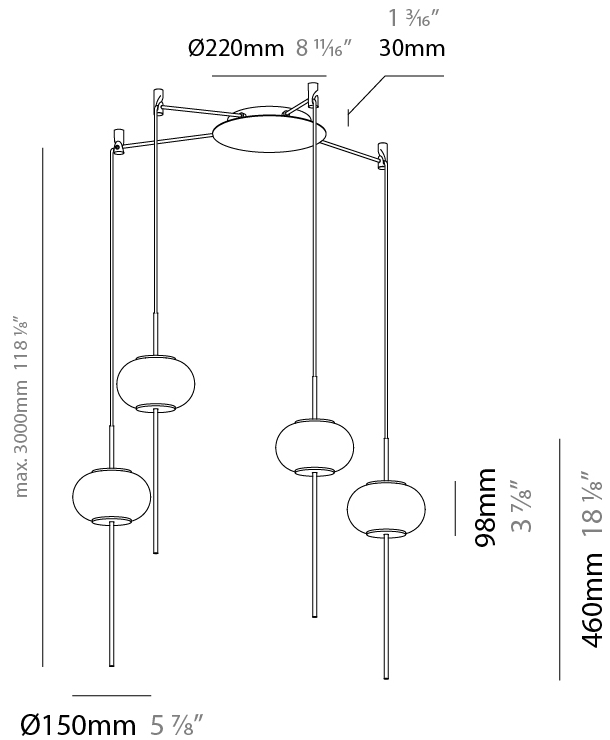
Number of Lamps: 8  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 38.4  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



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## ASTROS SUSPENSION

### D91224

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 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

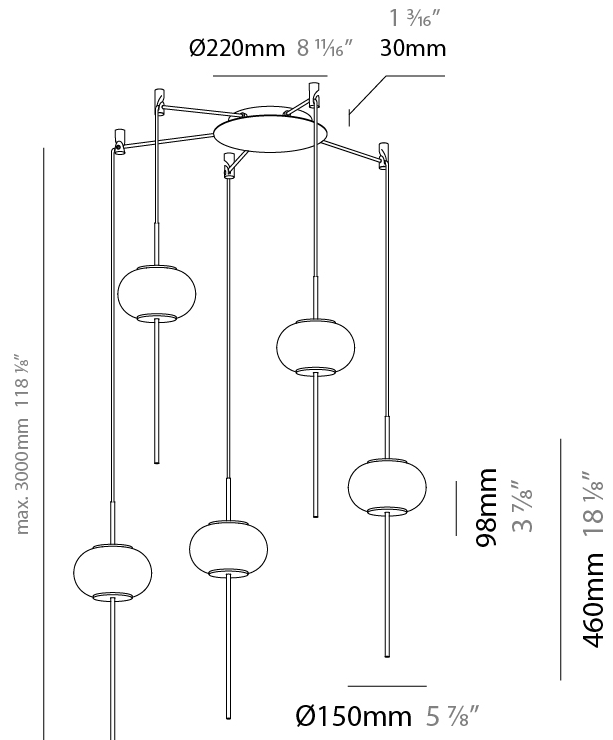
Number of Lamps: 10  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 48  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
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## ASTROS SUSPENSION

### D91225

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 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

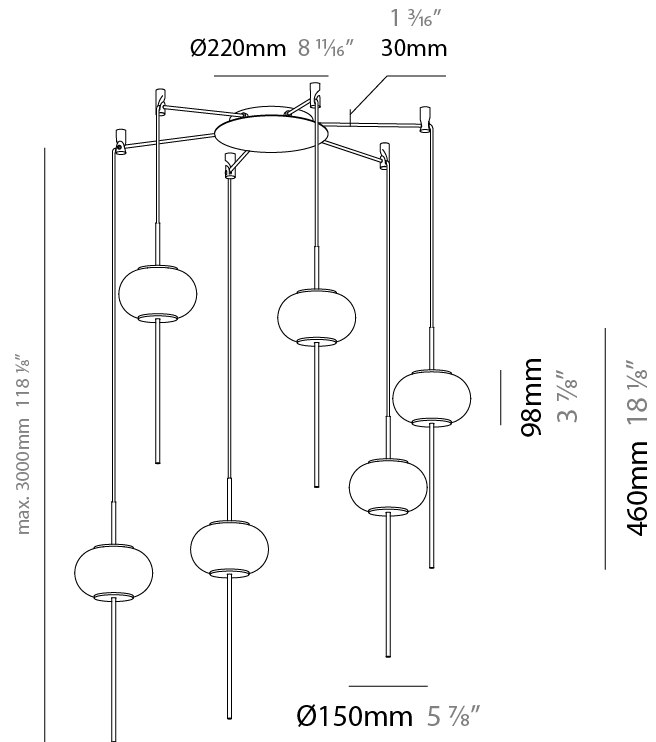
Number of Lamps: 6  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 57.2  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120Vac Direct Line

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



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## ASTROS SUSPENSION

### D91231

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 150  
 Diameter (in): 5 7/8  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 1/8  
 Light Distribution: Omnidirectional  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

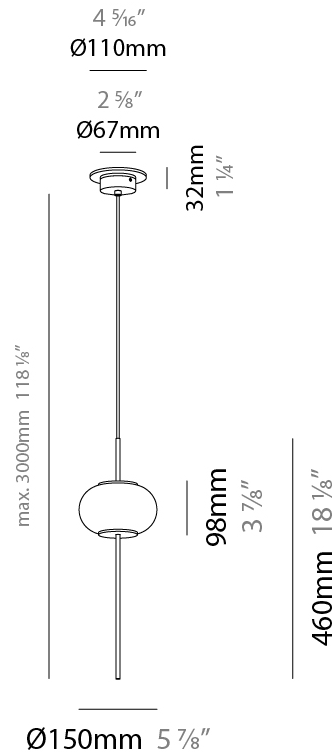
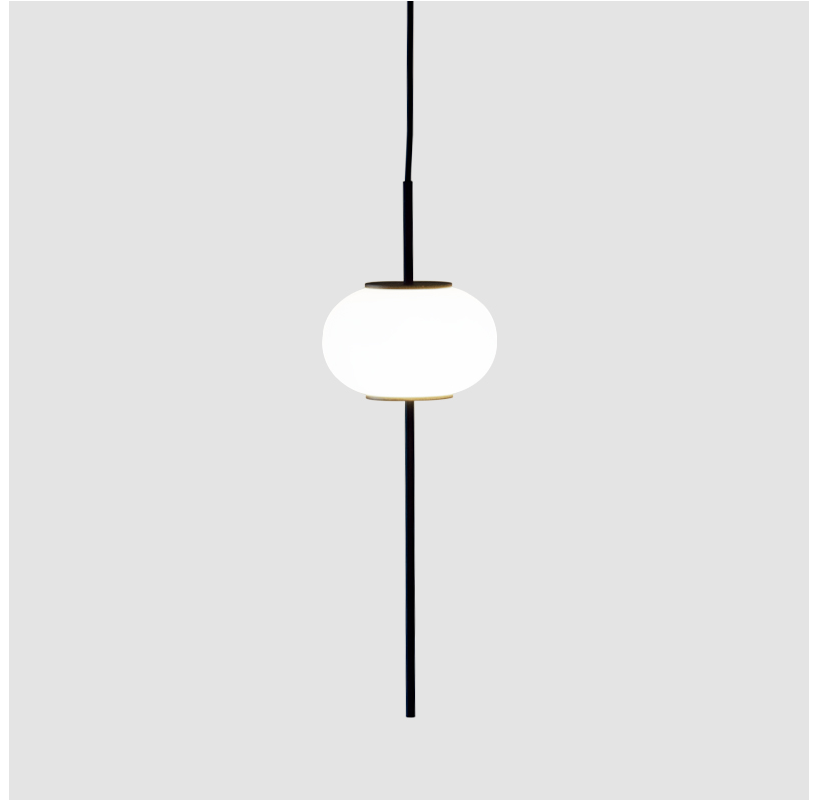
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



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## ASTROS PORTABLE

### D94053

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Portable  
 Mounting Location: Table  
 Subcategory: Table

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 200  
 Diameter (in): 7 7/8  
 Height (mm): 505  
 Height (in): 19 7/8  
 Light Distribution: Omnidirectional  
 Weight (kg): 1.3  
 Weight (lbs): 2.899  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Cable Details: 2000mm / 78 3/4" Cable complete with Switch

#### ELECTRICAL

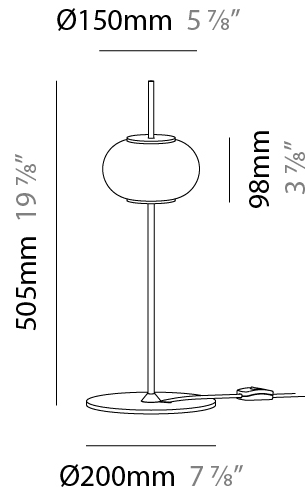
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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





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## ASTROS PORTABLE

### D94054

base number

- 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: Astros  
 Brand: Milan  
 Division: Design  
 Mounting Type: Portable  
 Mounting Location: Floor  
 Subcategory: Floor

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 200  
 Diameter (in): 7 7/8  
 Height (mm): 1355  
 Height (in): 53 3/8  
 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

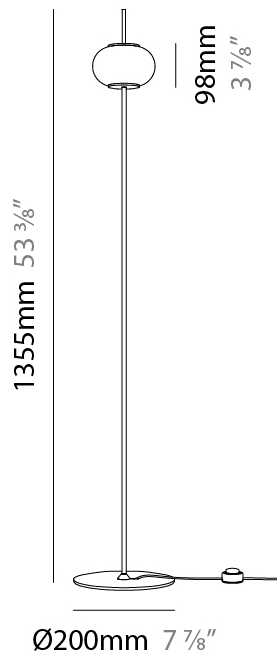
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



Ø150mm 5 7/8"



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## ASTROS PORTABLE

### D94055

base number

- 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: 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

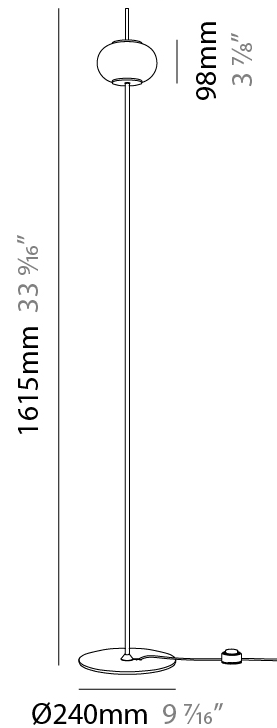
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



Ø150mm 5 7/8"



PROJECT

TYPE

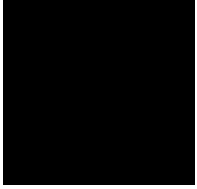
SPECIFIER

QUANTITY

DATE

#### 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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### LEGEND

floor-mounted	pivotal	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

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

IK01	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)
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)
IK06	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)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)