

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### 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  
 Weight (kg): 1.2  
 Weight (lbs): 2.499  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 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

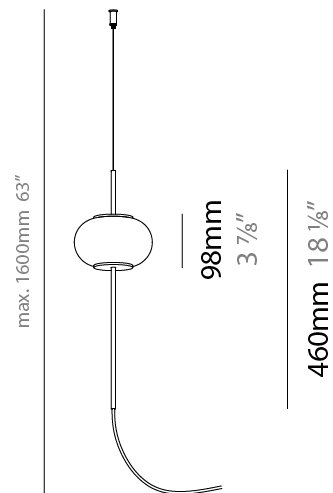
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



Ø150mm 5 7/8"



PROJECT	
TYPE	
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DATE	

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### 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  
 Weight (kg): 1.8  
 Weight (lbs): 3.999  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

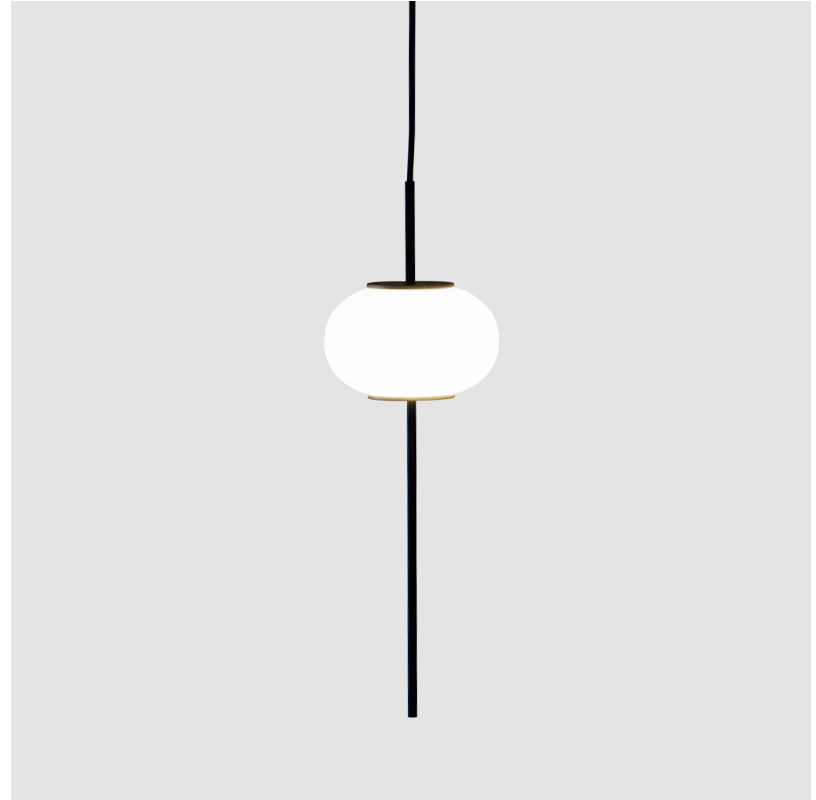
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 1/8  
 Weight (kg): 11.3  
 Weight (lbs): 24.999  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

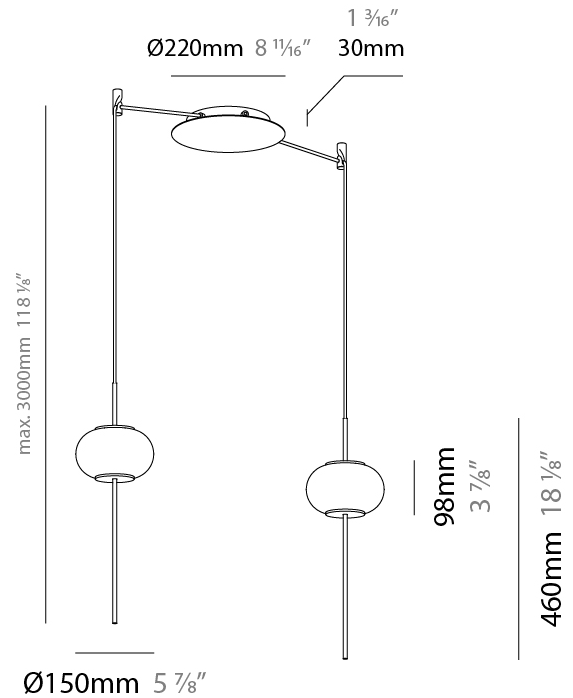
Number of Lamps: 4  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 1/8  
 Weight (kg): 13.5  
 Weight (lbs): 29.799  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

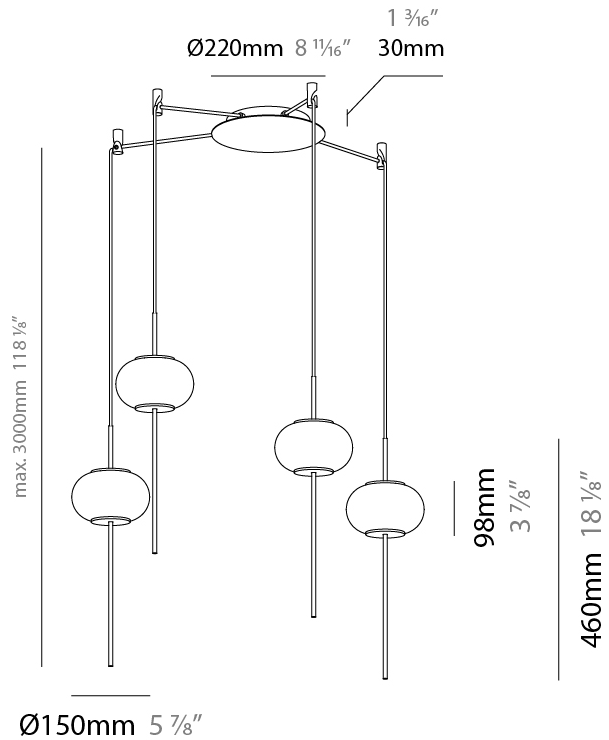
Number of Lamps: 8  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 38.4  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 1/8  
 Weight (kg): 14.6  
 Weight (lbs): 32.199  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

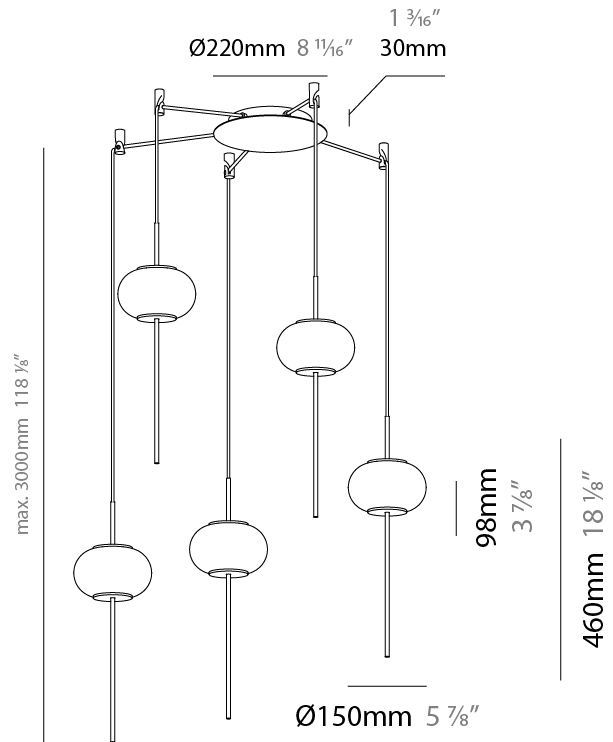
Number of Lamps: 10  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 48  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### PHYSICAL

Shape: Oval  
 Height (mm): 460  
 Height (in): 18 1/8  
 Max. Overall Height (mm): 3000  
 Max. Overall Height (in): 118 1/8  
 Weight (kg): 15.7  
 Weight (lbs): 34.619  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

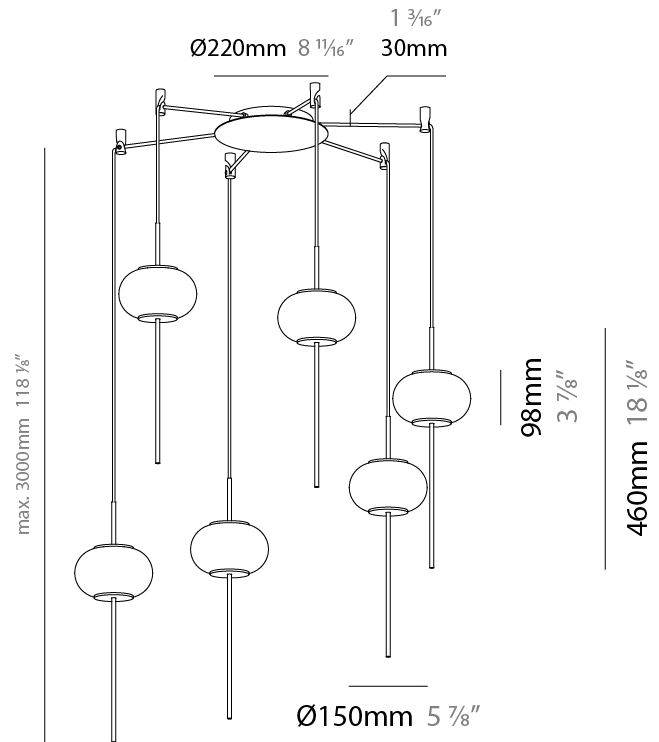
Number of Lamps: 6  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 57.2  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120Vac Direct Line

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	
TYPE	
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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  
 Partner: Milan  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling

#### 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  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 Cable Details: 2540mm/100" Cable

#### ELECTRICAL

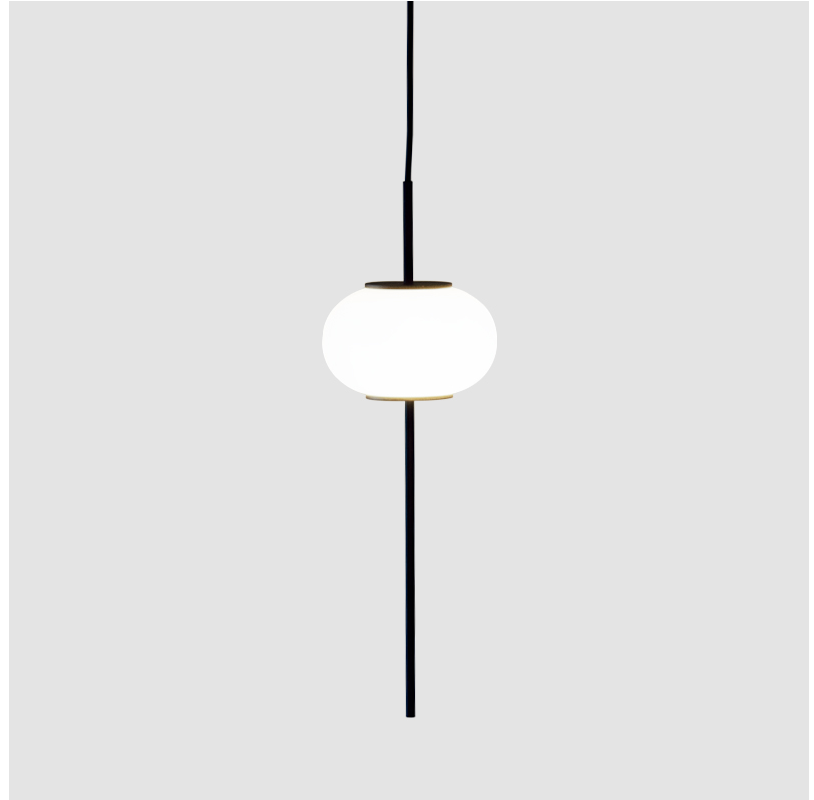
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Portable  
 Product Type: Table  
 Mounting Location: Table

#### PHYSICAL

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

#### ELECTRICAL

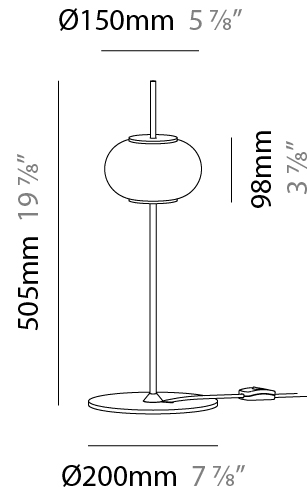
Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Total Output Wattage (W): 9.6  
 Max. Wattage Per Lamp (W): 4.8  
 Lamp Base: G9  
 Input Voltage (V): 120

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## 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  
 Partner: Milan  
 Division: Design  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor

### PHYSICAL

Shape: Oval  
 Diameter (mm): 200  
 Diameter (in): 7 7/8  
 Height (mm): 1355  
 Height (in): 53 3/8  
 Weight (kg): 1.8  
 Weight (lbs): 3.899  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 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

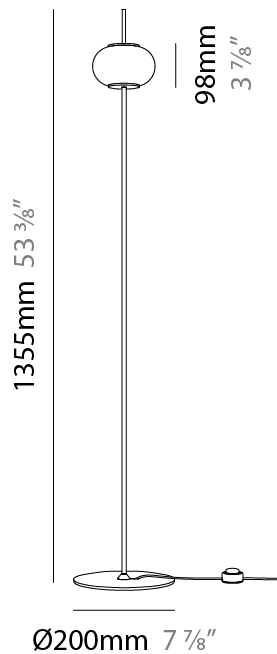
### RATINGS AND CERTIFICATIONS

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

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	



Ø150mm 5 7/8"



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## 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  
 Partner: Milan  
 Division: Design  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor

#### PHYSICAL

Shape: Oval  
 Diameter (mm): 240  
 Diameter (in): 9 7/16  
 Height (mm): 1615  
 Height (in): 63 9/16  
 Weight (kg): 0.4  
 Weight (lbs): 0.899  
 Diffuser: Glass - Opal  
 Fixture Finish: MBQ  
 Fixture Material: Glass / Metal  
 Primary Material: Glass  
 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

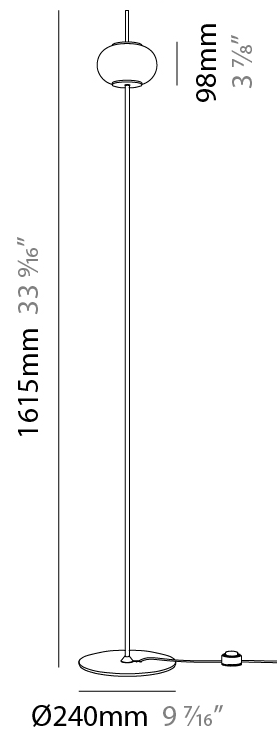
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



Ø150mm 5 7/8"



## ASTROS SUSPENSION

### D9ASTRO-MOD-SYS

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 \_\_\_\_\_  
Partner: Milan \_\_\_\_\_  
Division: Design \_\_\_\_\_  
Installation: Suspension \_\_\_\_\_  
Product Type: Clusters \_\_\_\_\_  
Mounting Location: Ceiling \_\_\_\_\_

#### PHYSICAL

#### ELECTRICAL

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards \_\_\_\_\_  
IP rating: IP55 \_\_\_\_\_



PROJECT

TYPE

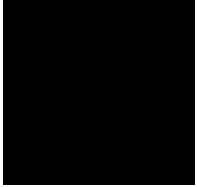
SPECIFIER

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.



### 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
	dimnable 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)