

## CONFUSIONE SUSPENSION

### D131000

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Curves  
 Diameter (mm): 750  
 Diameter (in): 29 1/2  
 Height (mm): 1500  
 Height (in): 59 1/16  
 Max. Overall Height (mm): 1500  
 Max. Overall Height (in): 59 1/16  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum  
 Cable Details: 3 Steel Cable 2000mm

#### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - 120Vac  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Lamp Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / 277Vac

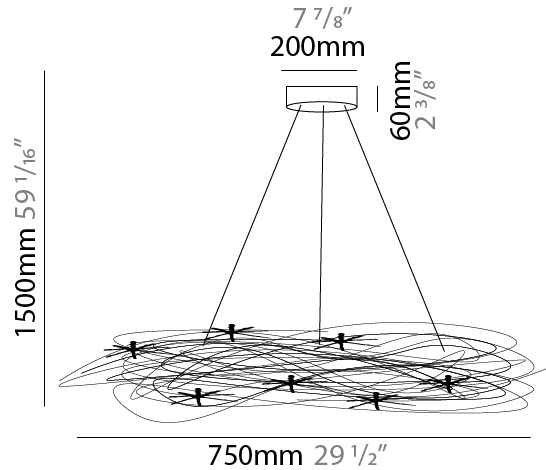
#### LED

Number of LEDs: 10  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## CONFUSIONE SUSPENSION

D131000

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## CONFUSIONE SUSPENSION

### D131001

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Curves  
 Diameter (mm): 1000  
 Diameter (in): 39 <sup>3</sup>/<sub>16</sub>  
 Height (mm): 1500  
 Height (in): 59 <sup>1</sup>/<sub>16</sub>  
 Max. Overall Height (mm): 1500  
 Max. Overall Height (in): 59 <sup>1</sup>/<sub>16</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum  
 Cable Details: 3 Steel Cable 2000mm

#### ELECTRICAL

Number of Lamps: 15  
 Lamp Type: LED  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 15  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - 120Vac  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Lamp Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / 277Vac

#### LED

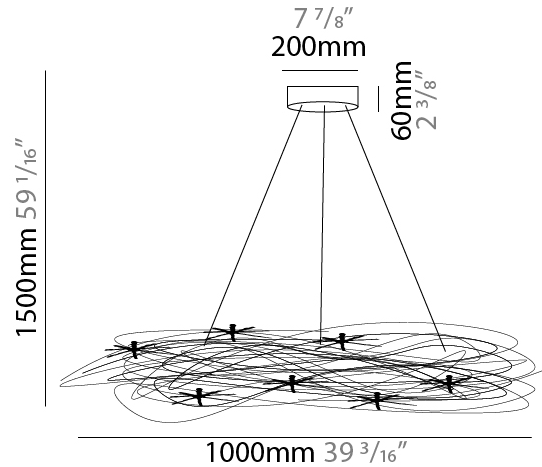
Number of LEDs: 15  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 1200  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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## CONFUSIONE SUSPENSION

D131001

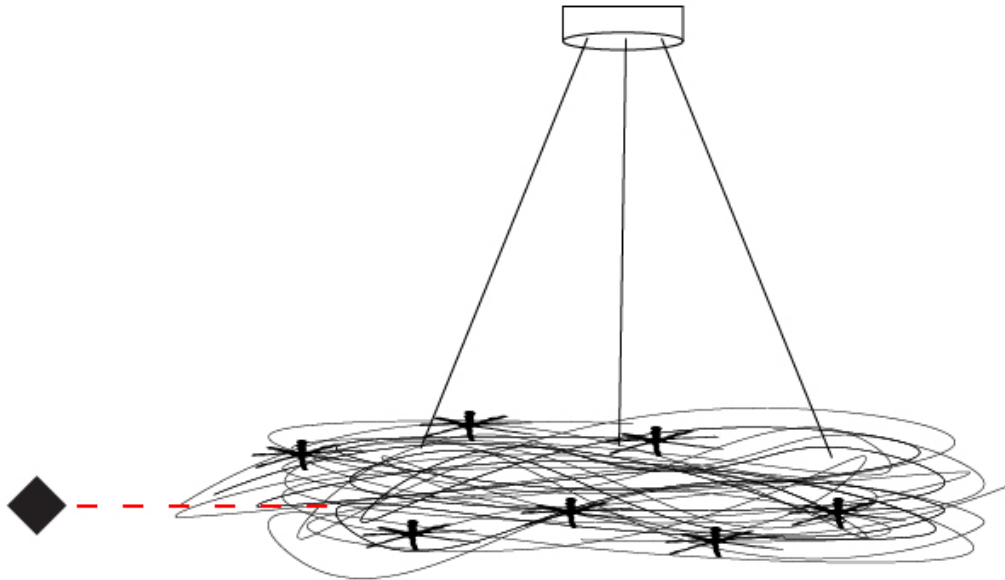
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## CONFUSIONE SUSPENSION

### D131145

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Round  
 Diameter (mm): 500  
 Diameter (in): 19 11/16  
 Light Distribution: Direct / Indirect  
 Fixture Material: Anodized Aluminum  
 Cable Details: 3 Steel Cable 1500m / 59 1/16"

#### ELECTRICAL

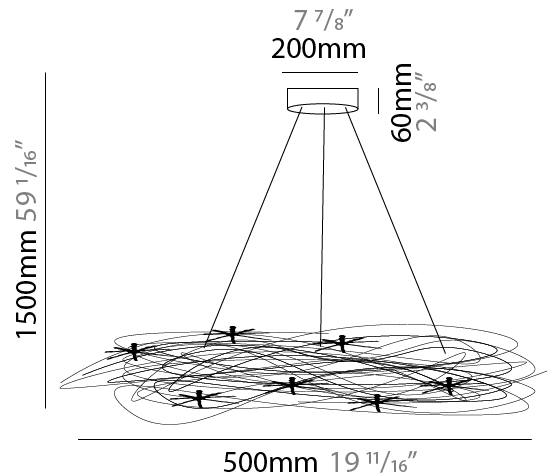
Number of Lamps: 10  
 Lamp Type: LED  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Remote  
 Driver Type: Constant Voltage - 120Vac  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / 277Vac

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## CONFUSIONE SUSPENSION

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## CONFUSIONE SUSPENSION

### D131271

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Round  
 Diameter (mm): 750  
 Diameter (in): 29 1/2  
 Extension (mm): 2000  
 Extension (in): 78 3/4  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum  
 Cable Details: 3 Silicon Cable 2000mm / 78 3/4

#### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Input Wattage (W): 12  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Lamp Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral Non-dimming 277Vac

#### LED

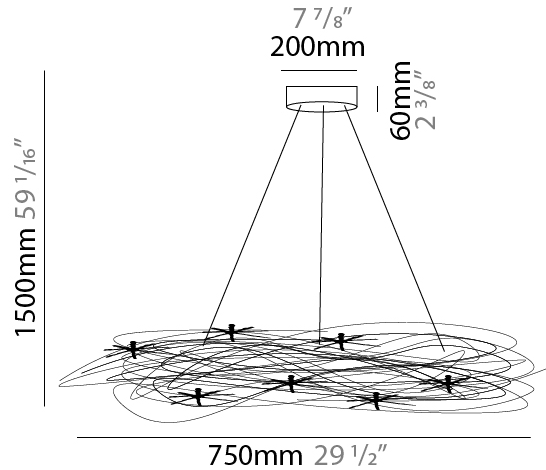
Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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D131271

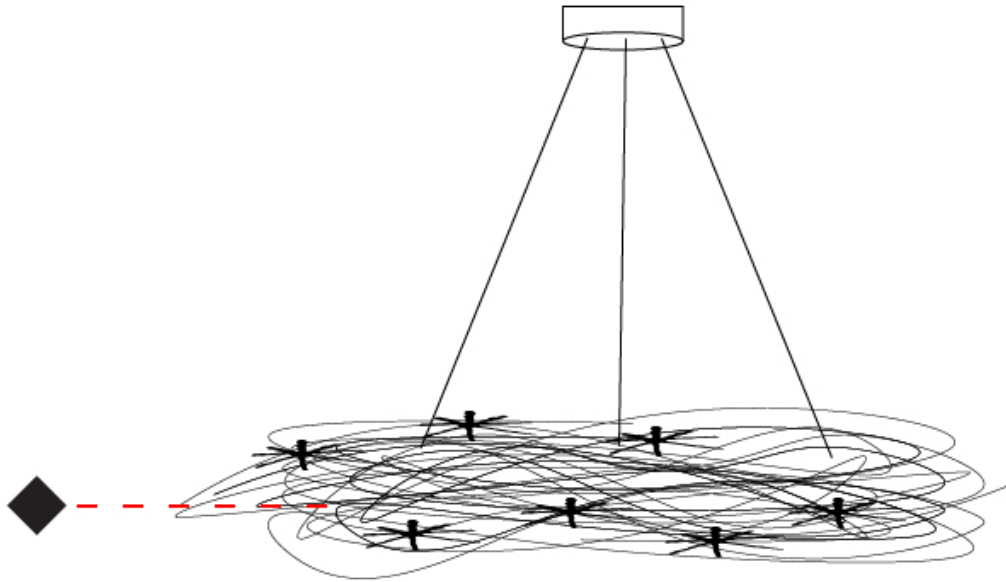
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## CONFUSIONE SUSPENSION

### D131272

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Round  
 Diameter (mm): 1000  
 Diameter (in): 39 <sup>3</sup>/<sub>8</sub>  
 Extension (mm): 2000  
 Extension (in): 78 <sup>3</sup>/<sub>4</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum  
 Cable Details: Silicon Cable 2000mm / 78 3/4

#### ELECTRICAL

Number of Lamps: 25  
 Lamp Type: LED  
 Input Wattage (W): 30  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 25  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Lamp Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral Non-dimming 277Vac

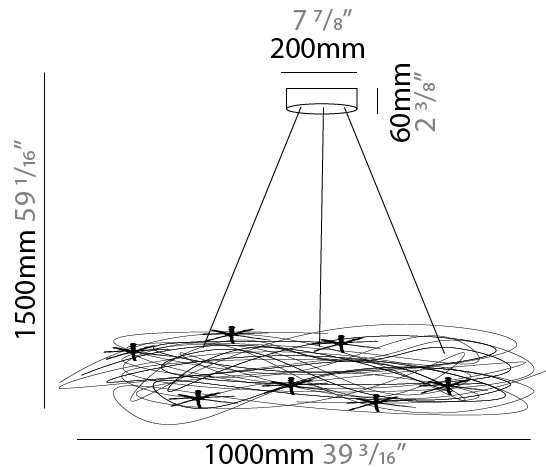
#### LED

Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 2000  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D131272

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## CONFUSIONE SUSPENSION

### D131273

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

#### PHYSICAL

Shape: Round  
 Diameter (mm): 500  
 Diameter (in): 19 11/16  
 Extension (mm): 2000  
 Extension (in): 78 3/4  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum  
 Cable Details: Silicon Cable 2000mm / 78 3/4

#### ELECTRICAL

Number of Lamps: 20  
 Lamp Type: LED  
 Input Wattage (W): 24  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 20  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral Non-dimming 277Vac

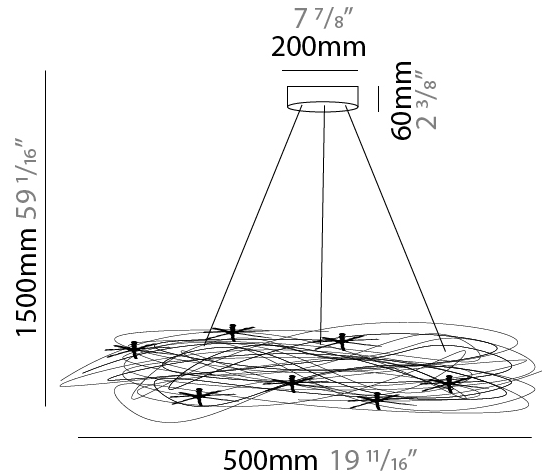
#### LED

Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 1600  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D131273

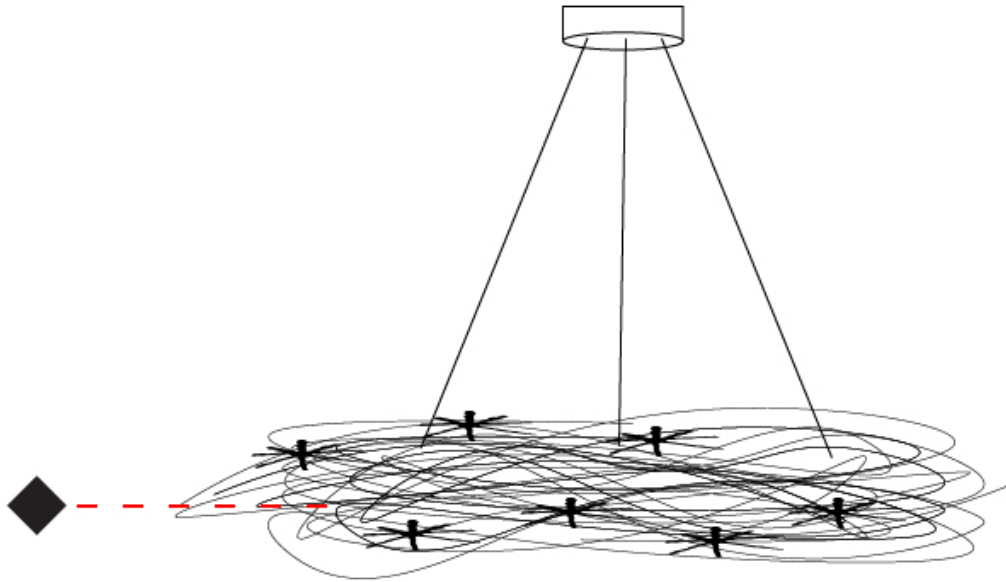
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## CONFUSIONE SURFACE

### D132000

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Round  
 Diameter (mm): 500  
 Diameter (in): 19 <sup>11</sup>/<sub>16</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Aluminum

#### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Input Wattage (W): 12  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

#### LED

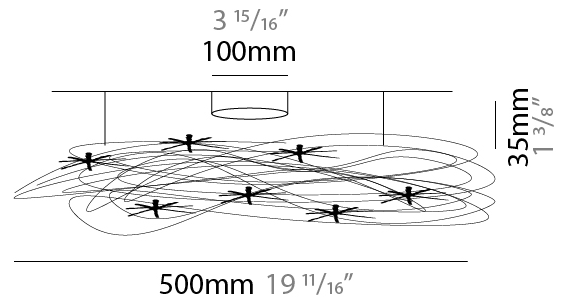
Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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D132000

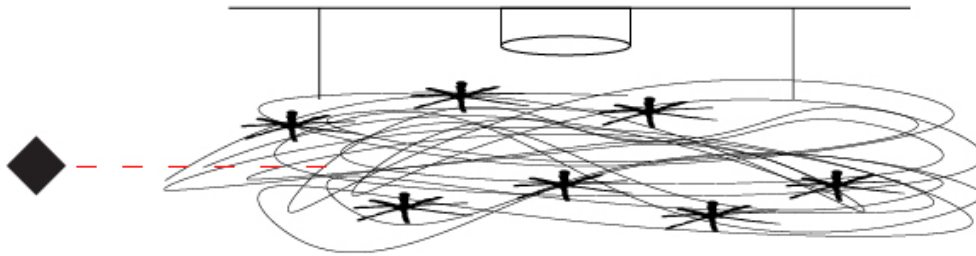
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## CONFUSIONE SURFACE

### D132001

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Round  
 Diameter (mm): 750  
 Diameter (in): 29 1/2  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Aluminum

#### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Input Wattage (W): 12  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

#### LED

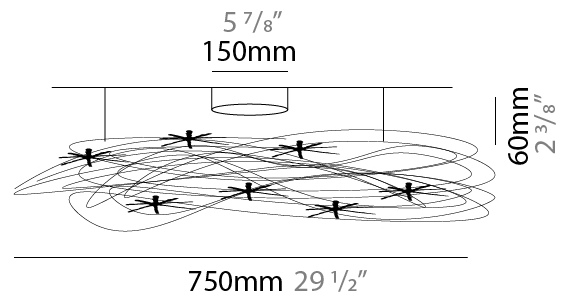
Number of LEDs: 10  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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D132001

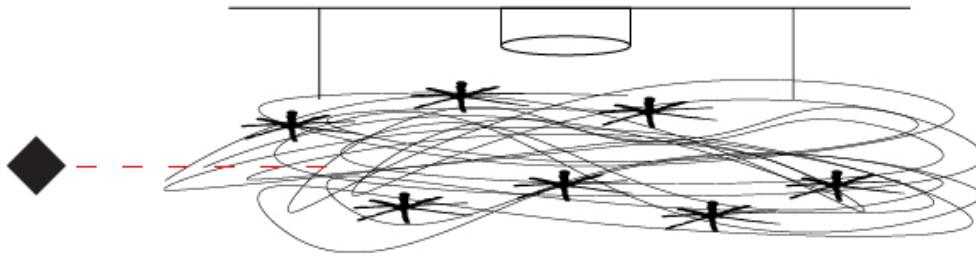
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## CONFUSIONE SURFACE

### D132002

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

#### PHYSICAL

Shape: Round  
 Diameter (mm): 1000  
 Diameter (in): 39 <sup>3</sup>/<sub>8</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Aluminum

#### ELECTRICAL

Number of Lamps: 15  
 Lamp Type: LED  
 Input Wattage (W): 18  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 15  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

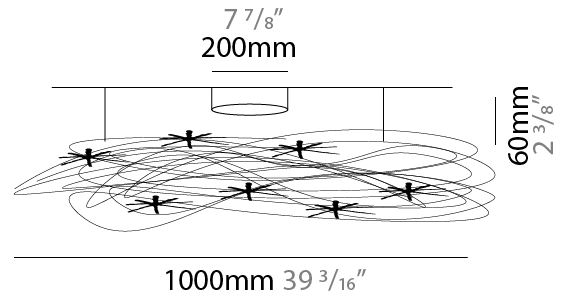
#### LED

Number of LEDs: 15  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 1200  
 CRI: >80 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D132002

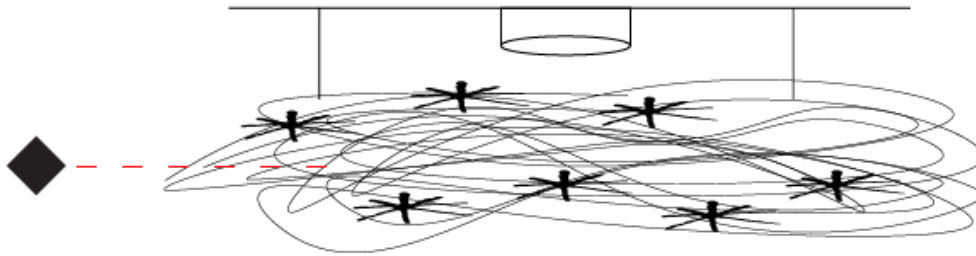
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## CONFUSIONE SURFACE

**D132069**

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

### PHYSICAL

Shape: Curves  
 Diameter (mm): 500  
 Diameter (in): 16 <sup>11</sup>/<sub>16</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum

### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Input Wattage (W): 12  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

### LED

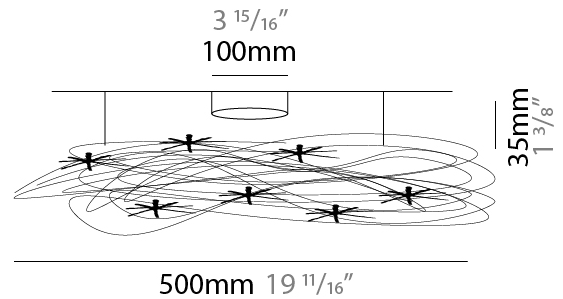
Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800  
 CRI: >80 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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D132069

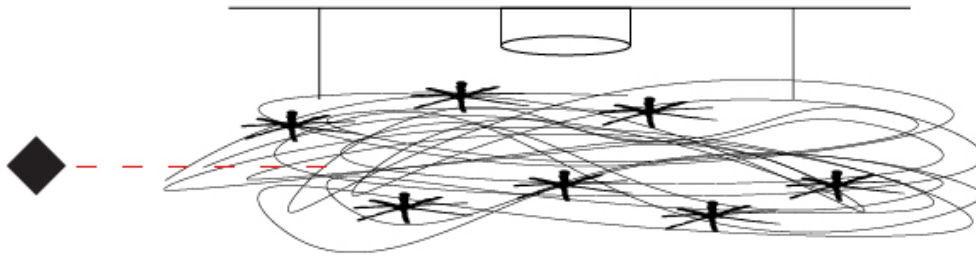
PROJECT

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## CONFUSIONE SURFACE

**D132070**

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

### PHYSICAL

Shape: Curves  
 Diameter (mm): 750  
 Diameter (in): 29 1/2  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum

### ELECTRICAL

Number of Lamps: 10  
 Lamp Type: LED  
 Input Wattage (W): 12  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 10  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Lamp Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

### LED

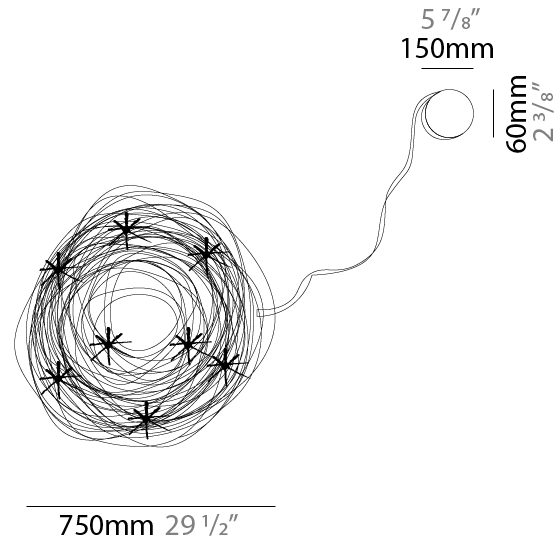
Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 800  
 CRI: >80 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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D132070

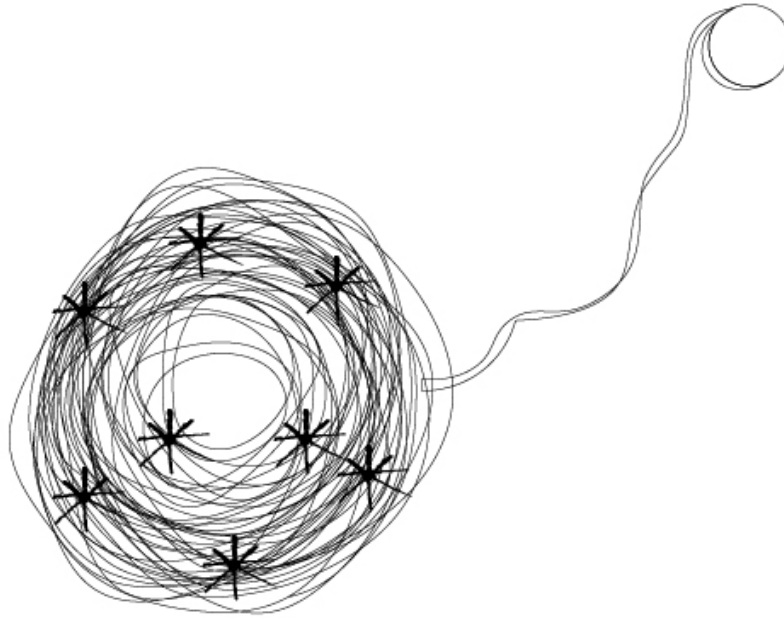
PROJECT

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QUANTITY

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## CONFUSIONE SURFACE

**D132071**

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: Confusione  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Ambient

### PHYSICAL

Shape: Curves  
 Diameter (mm): 1000  
 Diameter (in): 39 <sup>3</sup>/<sub>8</sub>  
 Light Distribution: Direct / Indirect  
 Fixture Finish: ANA  
 Fixture Material: Anodized Aluminum

### ELECTRICAL

Number of Lamps: 15  
 Lamp Type: LED  
 Input Wattage (W): 18  
 Bulb Included: Bulb Included  
 Total Output Wattage (W): 15  
 Max. Wattage Per Lamp (W): 1  
 Lamp Base: G4  
 Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Voltage - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Output Voltage (V): 12  
 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / (Included) Integral: Non-dimming 277Vac

### LED

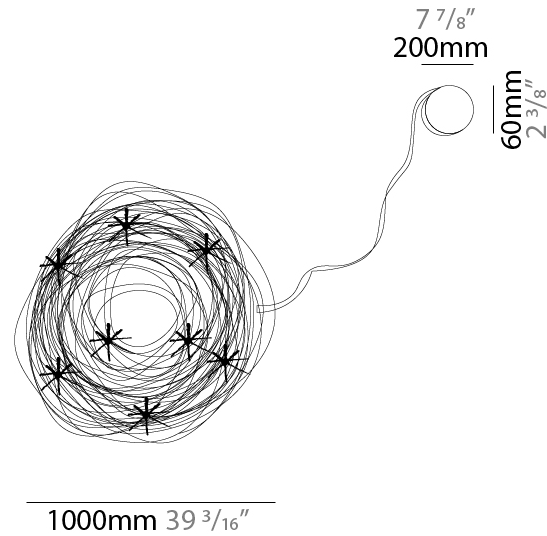
Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 1200  
 CRI: >80 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

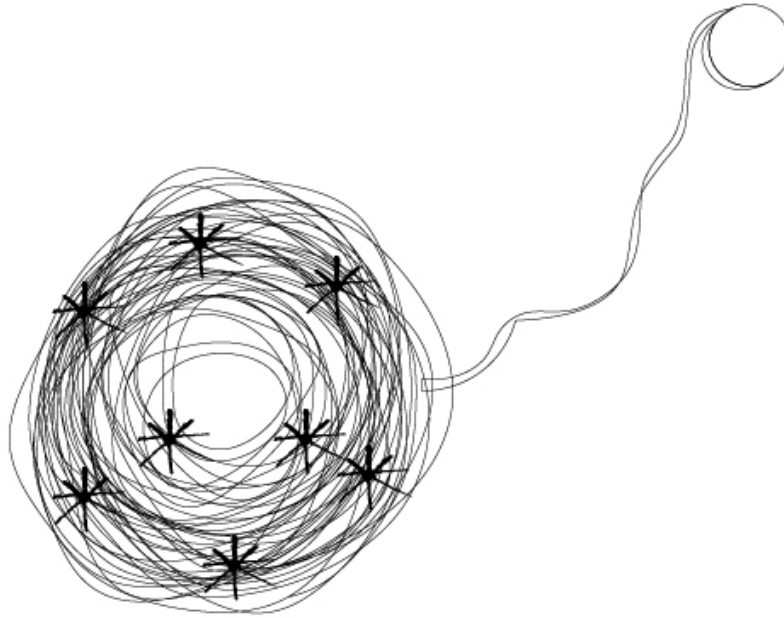
PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	





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PROJECT	_____
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DATE	_____



PROJECT

TYPE

SPECIFIER

QUANTITY

DATE

### Fixture Finish

Aluminum Natural Anodized - ANA



**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.



PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

### 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

	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)