

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## LE GIGINE SUSPENSION

### D131603-

base number                      Finish                       
Options                     

- 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: Le Gigue                       
 Partner: Knikerboker                       
 Division: Design                       
 Installation: Suspension                       
 Product Type: Pendant                       
 Mounting Location: Ceiling                       
 Light Distribution: Indirect                     

#### PHYSICAL

Shape: Abstract                       
 Length (mm): 180                       
 Length (in): 7 1/16                       
 Width (mm): 160                       
 Width (in): 6 5/16                       
 Height (mm): 160                       
 Height (in): 6 5/16                       
 Max. Overall Height (mm): 1650                       
 Max. Overall Height (in): 64 15/16                       
 Weight (kg): 0.55                       
 Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB                       
 Fixture Material: Metal                       
 Cable Details: 1500mm / 59 1/16" Transparent Cable                     

#### ELECTRICAL

Lamp Type: LED                       
 Input Wattage (W): 5.5                       
 Dimming: Non-Dimming / Phase Dimming (120vac Only)                       
 Driver Included: No                       
 Driver Location: Remote                       
 Driver Type: Constant Current - Universal                       
 Driver Class: Class 2                       
 Input Voltage (V): 120 - 277                       
 Constant Current (MA): 900                     

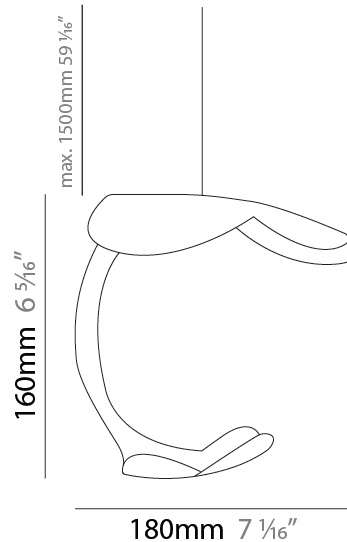
#### LED

Color Temperature (°K): 3000                       
 Max. Delivered Lumen (lm): 850                       
 CRI: >85 CRI                       
 Lamp Life (hrs): 50000                     

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D131603-

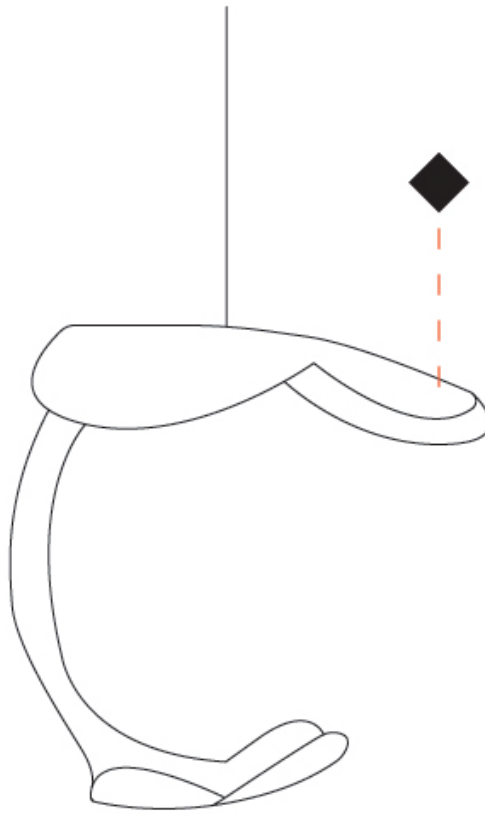
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

## LE GIGINE SUSPENSION

### D131604-

base number                      Finish                       
Options                     

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

- 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: Le Gigine \_\_\_\_\_  
 Partner: Knikerboker \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Installation: Suspension \_\_\_\_\_  
 Product Type: Pendant \_\_\_\_\_  
 Mounting Location: Ceiling \_\_\_\_\_  
 Light Distribution: Indirect \_\_\_\_\_

#### PHYSICAL

Shape: Abstract \_\_\_\_\_  
 Diameter (mm): 500 \_\_\_\_\_  
 Diameter (in): 19 1/16 \_\_\_\_\_  
 Max. Overall Height (mm): 1650 \_\_\_\_\_  
 Max. Overall Height (in): 64 15/16 \_\_\_\_\_  
 Weight (kg): 12.4 \_\_\_\_\_  
 Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB \_\_\_\_\_  
 Fixture Material: Metal \_\_\_\_\_  
 Cable Details: Transparent Cable in the following lengths 4 x 1000mm / 39 3/8" 4 x 1500mm / 59 1/16"

#### ELECTRICAL

Lamp Type: LED \_\_\_\_\_  
 Input Wattage (W): 44 \_\_\_\_\_  
 Dimming: Non-Dimming / Phase Dimming (120vac Only) \_\_\_\_\_  
 Driver Included: Yes \_\_\_\_\_  
 Driver Location: Integrated \_\_\_\_\_  
 Driver Type: Constant Current - Universal \_\_\_\_\_  
 Driver Class: Class 2 \_\_\_\_\_  
 Input Voltage (V): 120 - 277 \_\_\_\_\_  
 Constant Current (MA): 1050 \_\_\_\_\_

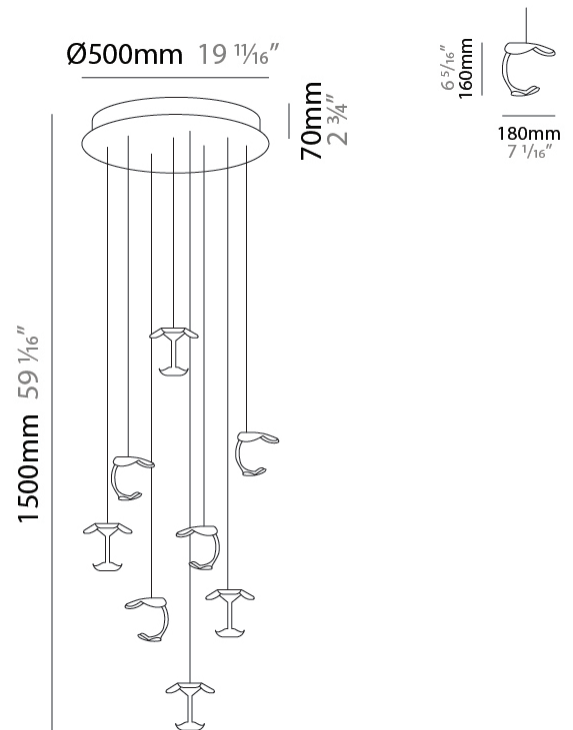
#### LED

Number of LEDs: 8 \_\_\_\_\_  
 Color Temperature (°K): 3000 \_\_\_\_\_  
 Max. Delivered Lumen (lm): 6800 \_\_\_\_\_  
 CRI: >85 CRI \_\_\_\_\_  
 Lamp Life (hrs): 50000 \_\_\_\_\_

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D131604-

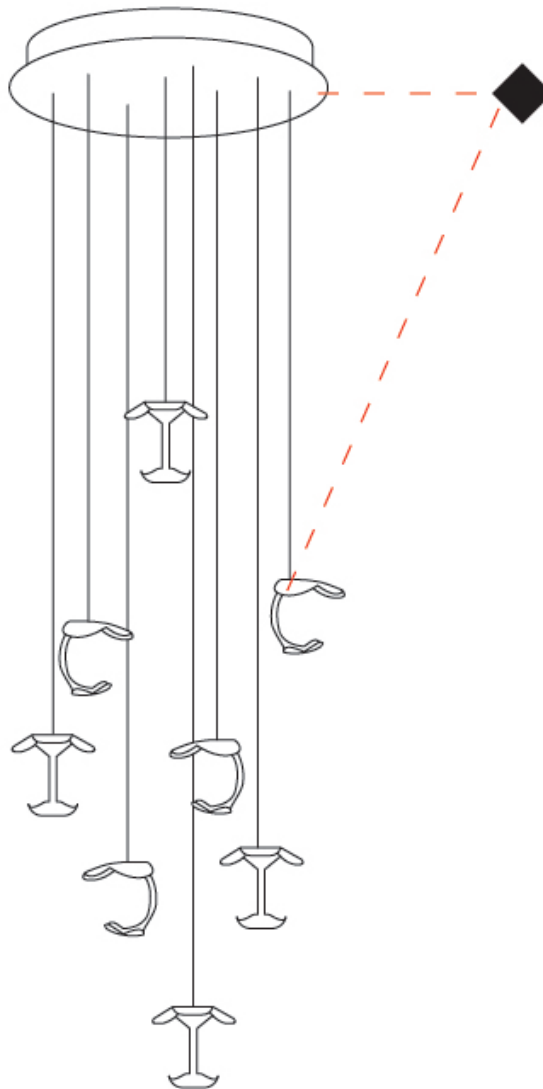
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

## LE GIGINE SUSPENSION

### D131605-

base number Finish  
Options

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- 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: Le Gigue  
 Partner: Knikerboker  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Diameter (mm): 700  
 Diameter (in): 27 7/16  
 Max. Overall Height (mm): 2650  
 Max. Overall Height (in): 104 5/16  
 Weight (kg): 21.3  
 Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB  
 Fixture Material: Metal  
 Cable Details: Transparent Cable in the following lengths 5 x 1000mm / 39 3/8" 6 x 1500mm / 59 1/16" 5 x 2000mm / 78 3/4"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 88  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

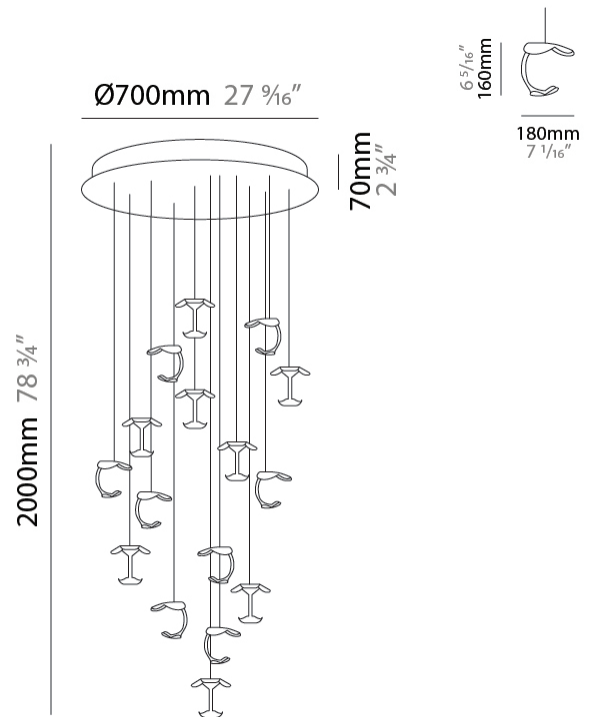
#### LED

Number of LEDs: 16  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 13600  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## LE GIGINE SUSPENSION

D131605-

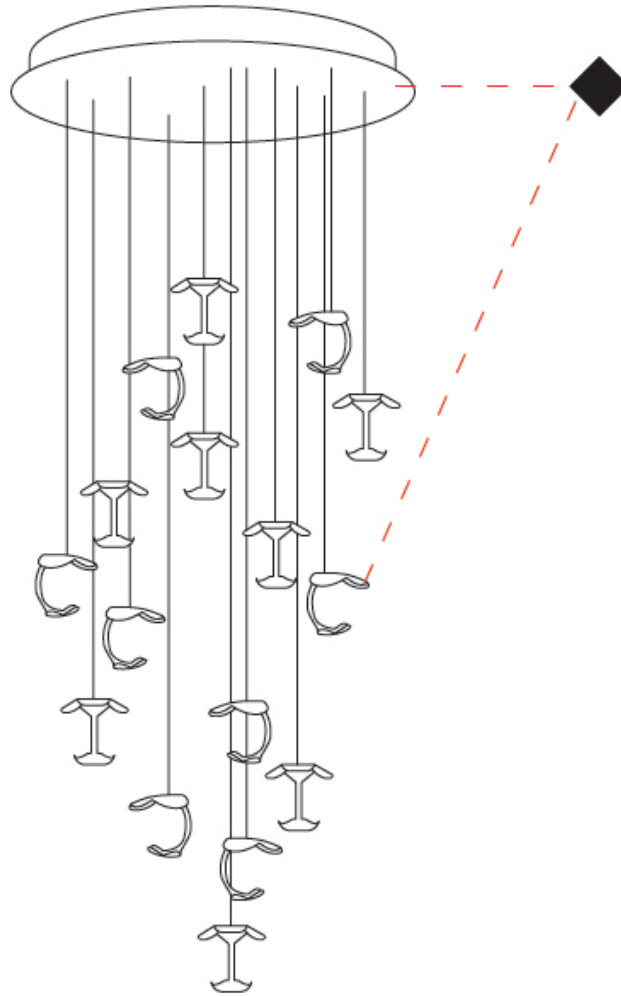
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

## LE GIGINE SUSPENSION

### D131606-

base number                      Finish                       
Options                     

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

- 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: Le Gigue  
 Partner: Knikerboker  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Diameter (mm): 900  
 Diameter (in): 35 7/16  
 Max. Overall Height (mm): 2650  
 Max. Overall Height (in): 104 3/4  
 Weight (kg): 28.2  
 Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB  
 Fixture Material: Metal  
 Cable Details: Transparent Cable in the following lengths 6 x 1000mm / 39 3/8" 6 x 1500mm / 59 1/16" 6 x 2000mm / 78 3/4" 6 x 2500mm / 98 7/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 132  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

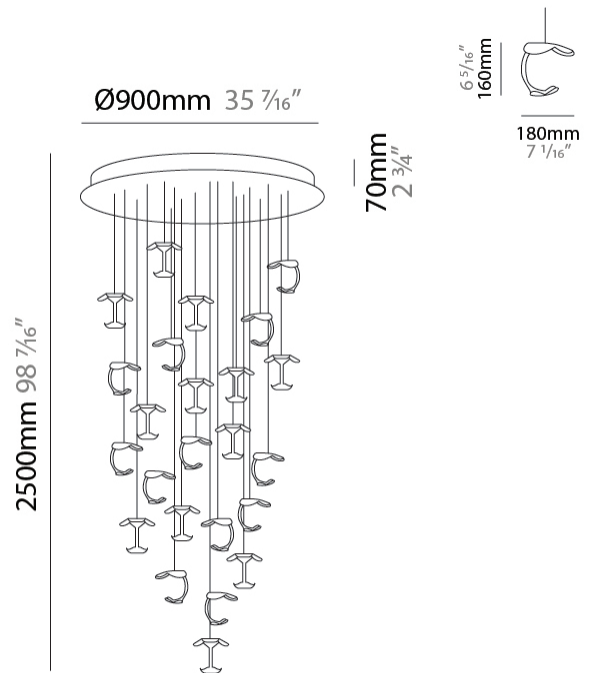
#### LED

Number of LEDs: 24  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 20400  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## LE GIGINE SUSPENSION

D131606-

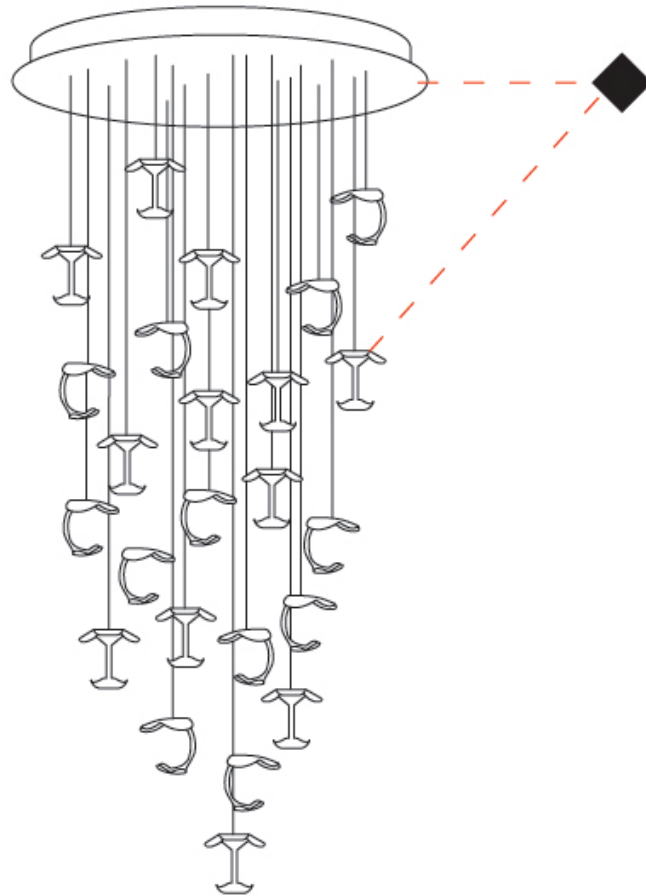
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

## LE GIGINE SUSPENSION

### D131607-

base number Finish  
Options

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- 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: Le Gigue  
 Partner: Knikerboker  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Diameter (in):  $37 \frac{7}{16}$   
 Length (mm): 1200  
 Max. Overall Height (mm): 1650  
 Max. Overall Height (in):  $64 \frac{15}{16}$   
 Weight (kg): 10.5  
 Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB  
 Fixture Material: Metal  
 Cable Details: Transparent Cable in the following lengths 5 x 1000mm / 39 3/8" 5 x 1500mm / 59 1/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 55  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

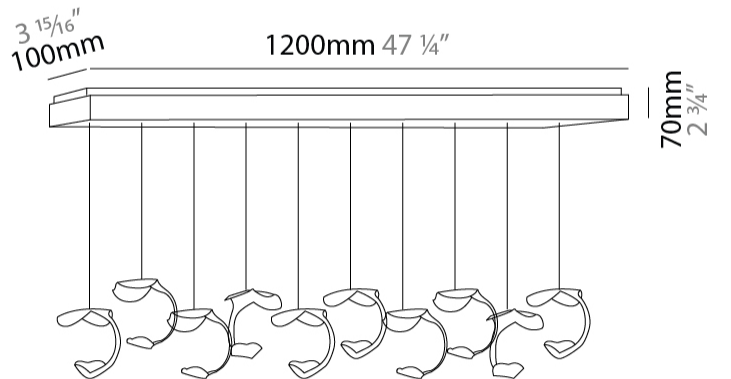
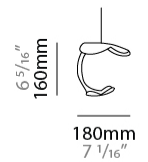
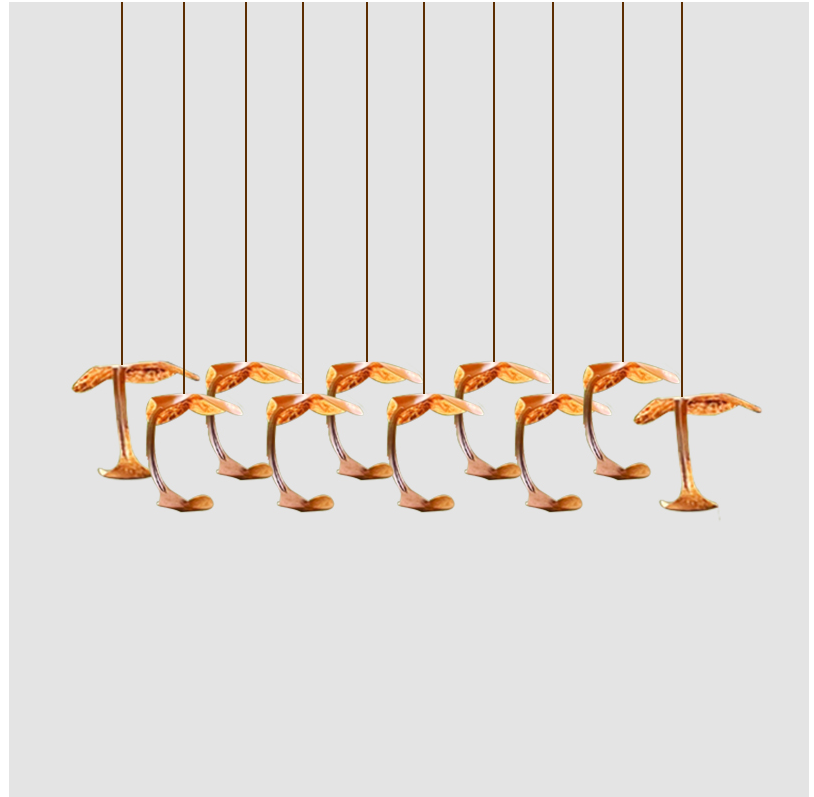
#### LED

Number of LEDs: 10  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 6800  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

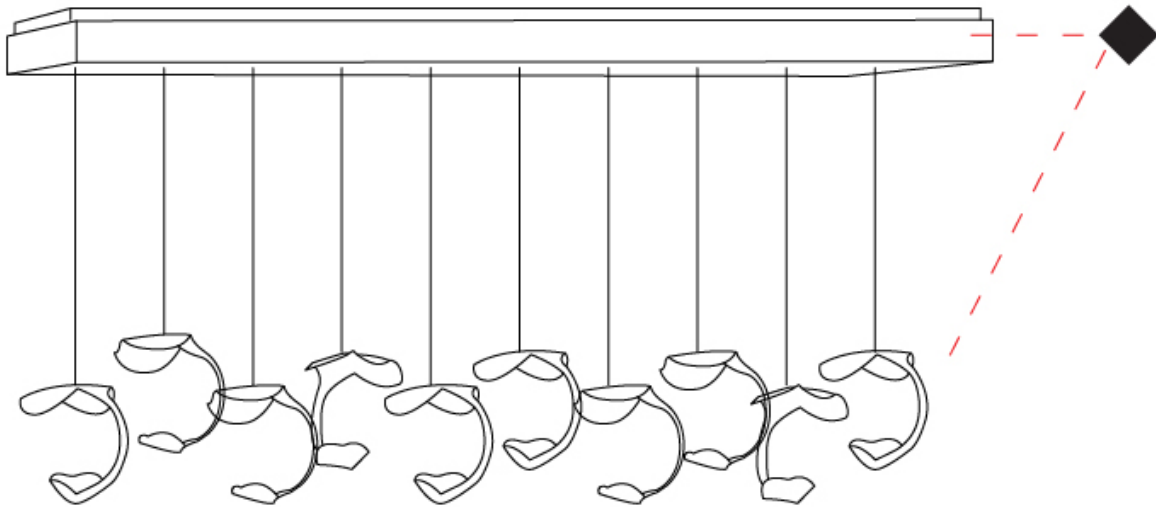
Certified By: Certified for North American Standards  
 IP rating: IP20



## LE GIGINE SUSPENSION

D131607-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



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## LE GIGINE SUSPENSION

### D131608-

base number Finish  
Options

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- 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: Le Gigue  
 Partner: Knikerboker  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Diameter (in): 37 <sup>7</sup>/<sub>16</sub>  
 Length (mm): 1200  
 Max. Overall Height (mm): 1650  
 Max. Overall Height (in): 64 <sup>15</sup>/<sub>16</sub>  
 Weight (kg): 12.6  
 Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB  
 Fixture Material: Metal  
 Cable Details: Transparent Cable in the following lengths 6 x 1000mm / 39 3/8" 6 x 1500mm / 59 1/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 66  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

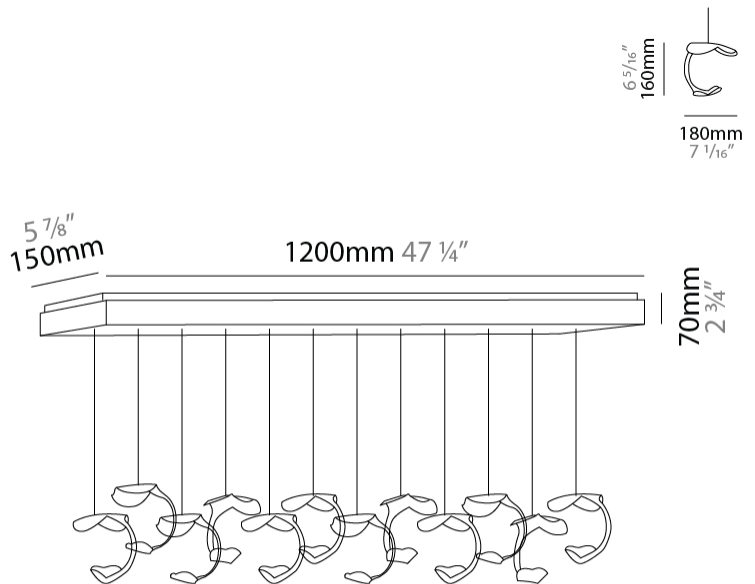
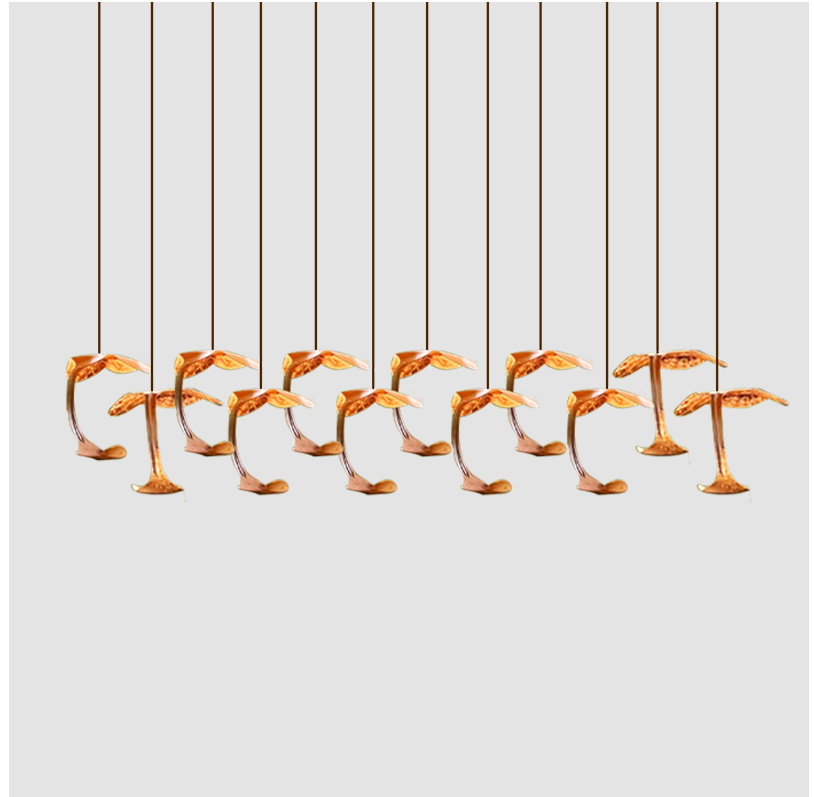
#### LED

Number of LEDs: 12  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 10200  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

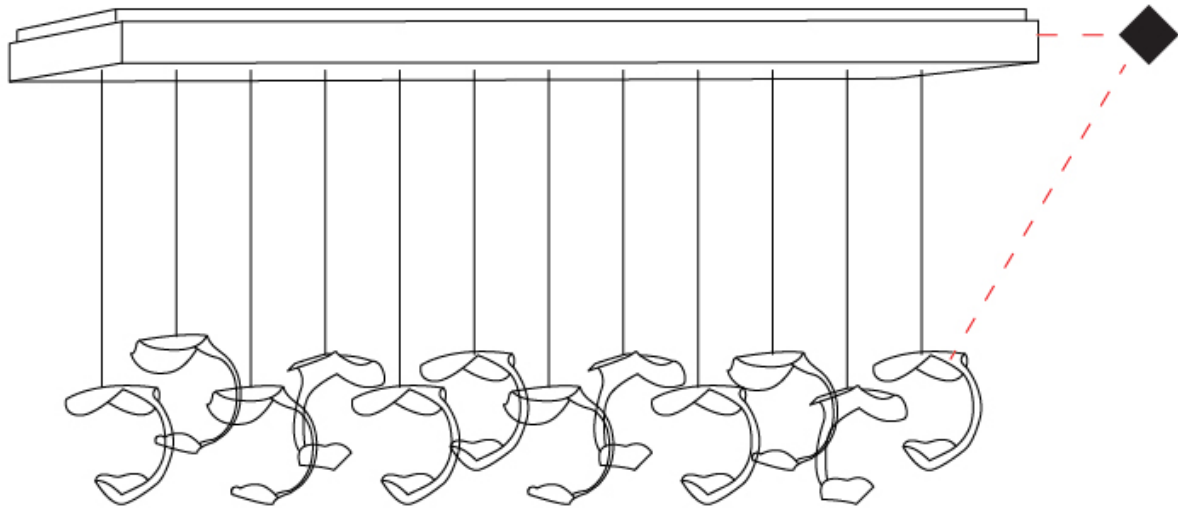
#### RATINGS AND CERTIFICATIONS

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



D131608-

PROJECT	_____
TYPE	_____
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QUANTITY	_____
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PROJECT	_____
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QUANTITY	_____
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## LE GIGINE SUSPENSION

### D131609-

base number                      Finish                       
Options                     

- 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: Le Gigue  
 Partner: Knikerboker  
 Division: Design  
 Installation: Suspension  
 Product Type: Pendant  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Length (mm): 1000  
 Length (in): 39 3/8  
 Width (mm): 500  
 Width (in): 19 11/16  
 Max. Overall Height (mm): 1650  
 Max. Overall Height (in): 64 15/16  
 Weight (kg): 12.6

Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB

Fixture Material: Metal  
 Cable Details: Transparent Cable in the following lengths 6 x 1000mm / 39 3/8" 6 x 1500mm / 59 1/16"

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 66  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 1050

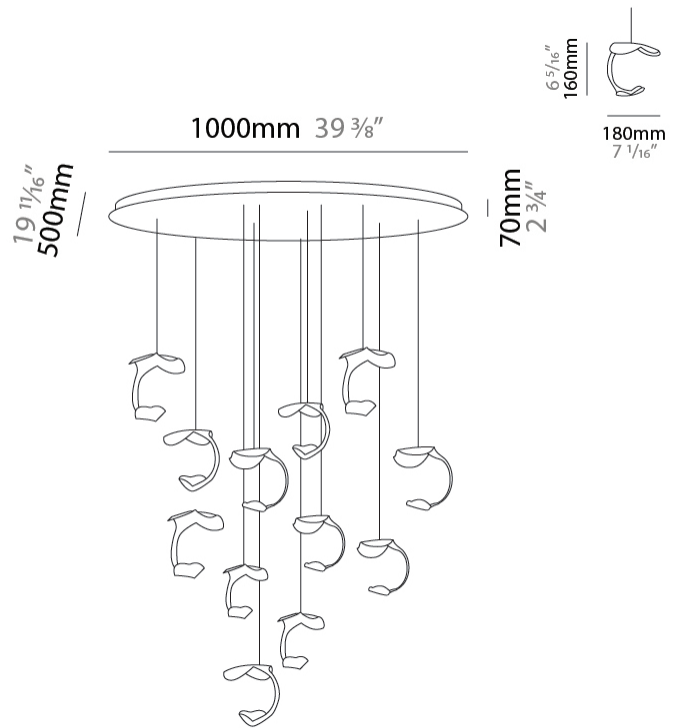
#### LED

Number of LEDs: 12  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 10200  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D131609-

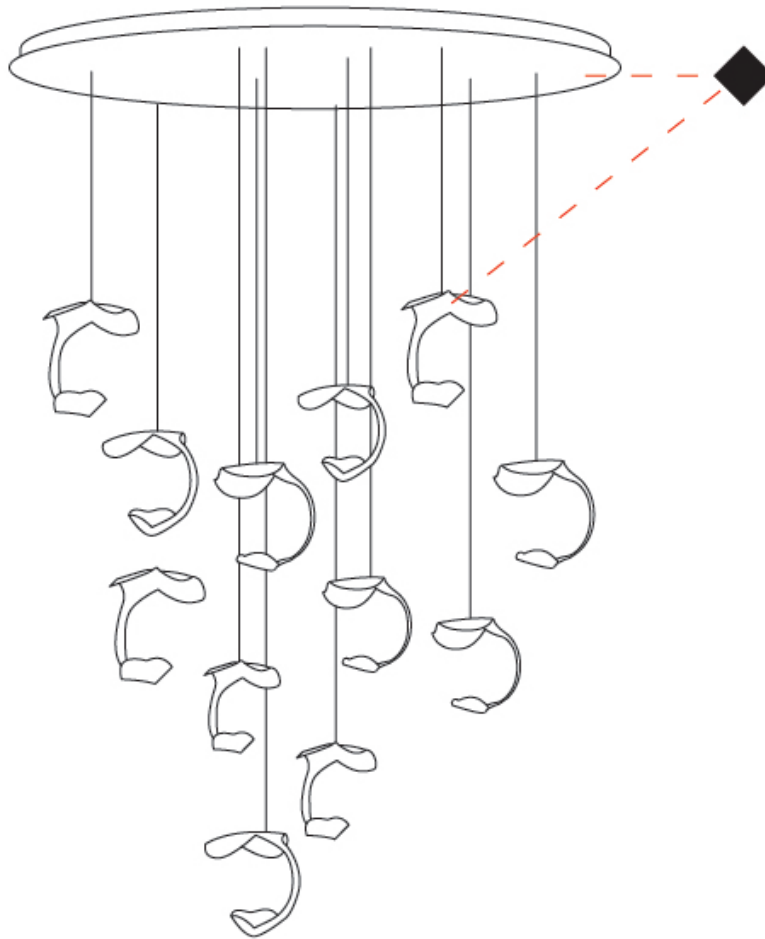
PROJECT

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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

## LE GIGINE SURFACE

### D132192-

base number Finish  
Options

- 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: Le Gigine  
 Partner: Knikerboker  
 Division: Design  
 Installation: Surface  
 Product Type: Ceiling Surface  
 Mounting Location: Ceiling  
 Light Distribution: Indirect

#### PHYSICAL

Shape: Abstract  
 Length (mm): 180  
 Length (in): 7 1/16  
 Width (mm): 160  
 Width (in): 6 5/16  
 Height (mm): 200  
 Height (in): 7 7/8

Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB

Fixture Material: Metal

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 6  
 Dimming: Non-Dimming / Phase Dimming (120vac Only)  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277

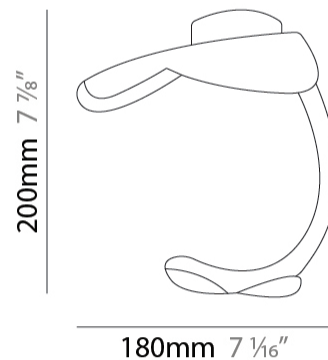
#### LED

Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 500  
 CRI: >85 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D132192-

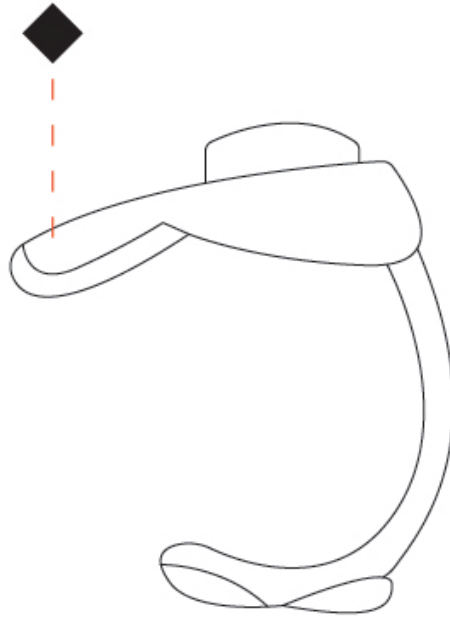
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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## LE GIGINE SURFACE

### D133135-

base number \_\_\_\_\_  
 Finish Options \_\_\_\_\_

- 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: Le Gigine \_\_\_\_\_  
 Partner: Knikerboker \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Installation: Surface \_\_\_\_\_  
 Product Type: Wall Surface \_\_\_\_\_  
 Mounting Location: Wall \_\_\_\_\_  
 Light Distribution: Indirect \_\_\_\_\_

#### PHYSICAL

Shape: Abstract \_\_\_\_\_  
 Length (mm): 180 \_\_\_\_\_  
 Length (in): 7 1/16 \_\_\_\_\_  
 Height (mm): 160 \_\_\_\_\_  
 Depth (mm): 210 \_\_\_\_\_  
 Height (in): 6 5/16 \_\_\_\_\_  
 Depth (in): 8 1/4 \_\_\_\_\_

Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL / EWS / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB

Fixture Material: Metal \_\_\_\_\_

#### ELECTRICAL

Lamp Type: LED \_\_\_\_\_  
 Input Wattage (W): 6 \_\_\_\_\_  
 Dimming: Non-Dimming / Phase Dimming (120vac Only) \_\_\_\_\_  
 Driver Included: No \_\_\_\_\_  
 Driver Location: Remote \_\_\_\_\_  
 Driver Type: Constant Current - Universal \_\_\_\_\_  
 Driver Class: Class 2 \_\_\_\_\_  
 Input Voltage (V): 120 - 277 \_\_\_\_\_

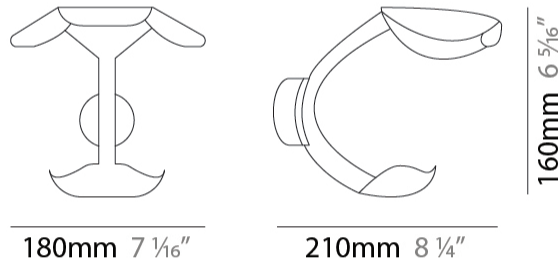
#### LED

Color Temperature (°K): 3000 \_\_\_\_\_  
 Max. Delivered Lumen (lm): 500 \_\_\_\_\_  
 CRI: >85 CRI \_\_\_\_\_  
 Lamp Life (hrs): 50000 \_\_\_\_\_

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



D133135-

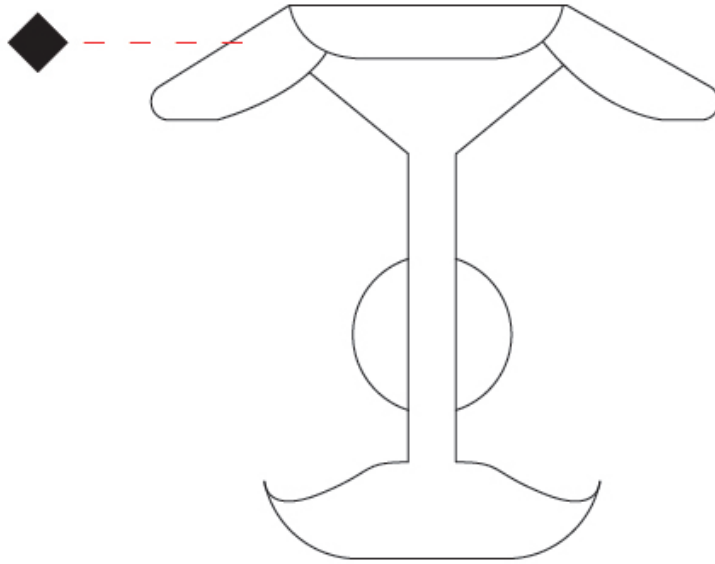
PROJECT

TYPE

SPECIFIER

QUANTITY

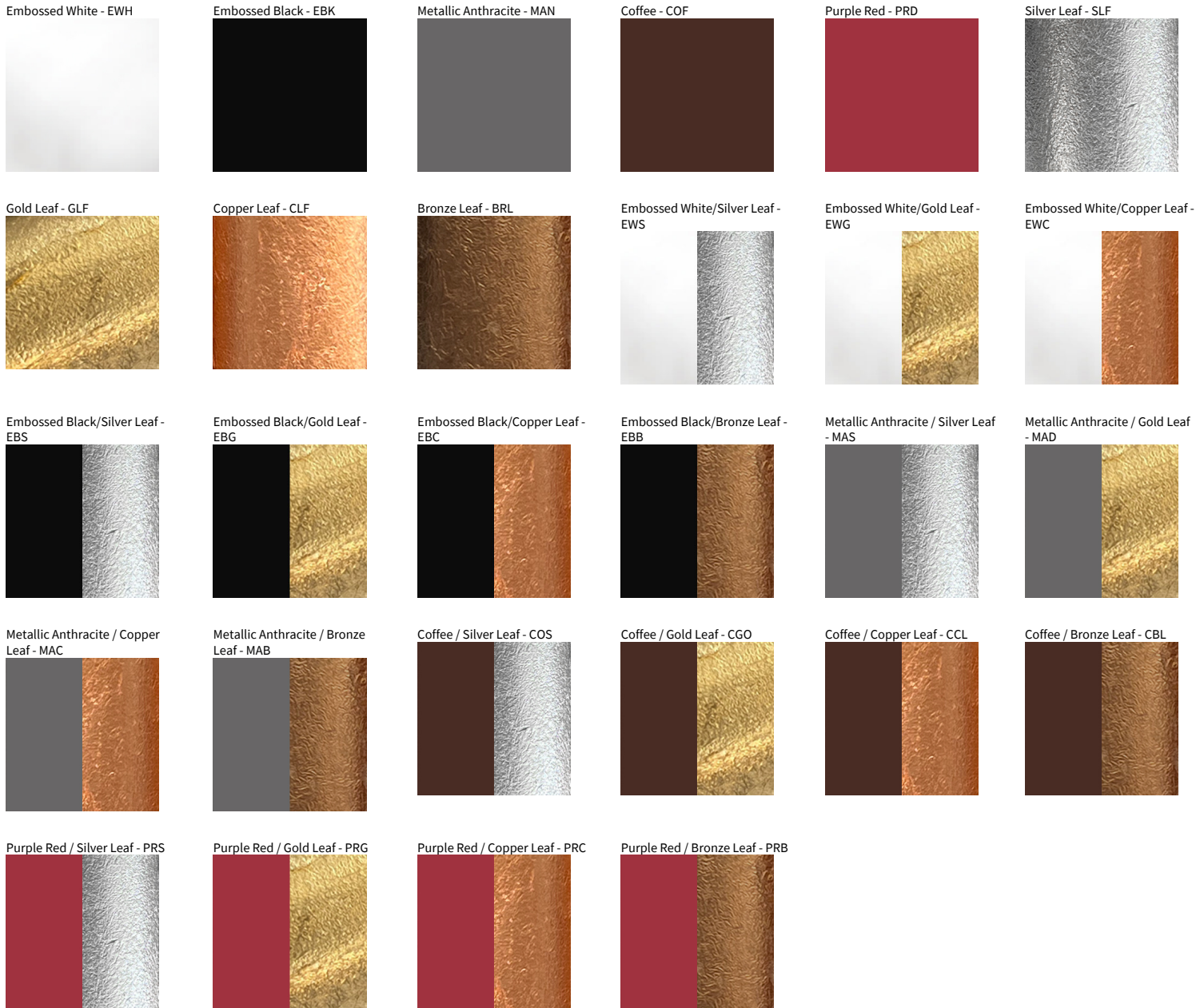
DATE



## LE GIGINE COLOR FINISH CHART

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.



### 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)