

## HUE SINGLE SUSPENSION

**D131002-** \_\_\_\_\_

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: HUE  
 Subseries: Hue Single  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Ambient

### PHYSICAL

Shape: Abstract  
 Diameter (mm): 36  
 Diameter (in): 1 7/16  
 Height (mm): 160  
 Height (in): 6 5/16  
 Max. Overall Height (mm): 1500  
 Max. Overall Height (in): 59 1/16  
 Light Distribution: Direct / Indirect  
 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 Silicon Coaxial Cable

### ELECTRICAL

Lamp Type: LED  
 Total Output Wattage (W): 1.5  
 Dimming: Non-Dimmable  
 Driver Included: Yes  
 Driver Location: Integrated  
 Driver Type: Constant Current - Universal  
 Driver Class: Class 2  
 Input Voltage (V): 120 - 277  
 Constant Current (mA): 350  
 Upon Request: (See components) Remote: Phase dimming 120Vac

### LED

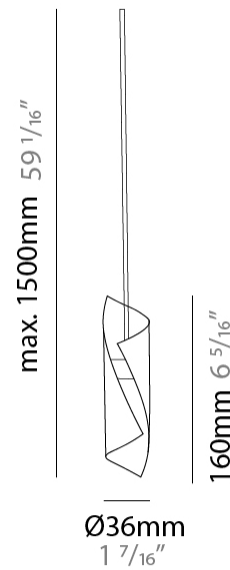
Number of LEDs: 1  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 150  
 CRI: >80 CRI  
 Lamp Life (hrs): 50000

### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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## HUE SINGLE SUSPENSION

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## HUE 10 SUSPENSION

**D131003-** \_\_\_\_\_  
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: HUE  
Subseries: Hue 10  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Ambient

### PHYSICAL

Shape: Abstract  
Diameter (mm): 500  
Diameter (in): 19 11/16  
Height (mm): 160  
Height (in): 6 5/16  
Max. Overall Height (mm): 1500  
Max. Overall Height (in): 59 1/16  
Light Distribution: Direct / Indirect  
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: Silicon Coaxial Cable

### ELECTRICAL

Lamp Type: LED  
Total Output Wattage (W): 15  
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): 350

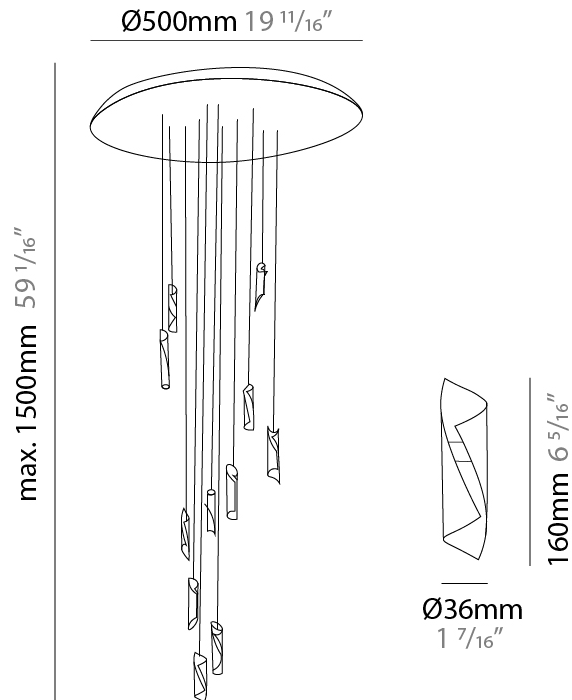
### LED

Number of LEDs: 10  
Color Temperature (°K): 3000  
Max. Delivered Lumen (lm): 1500  
CRI: >80 CRI  
Lamp Life (hrs): 50000

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



## HUE 10 SUSPENSION

D131003-

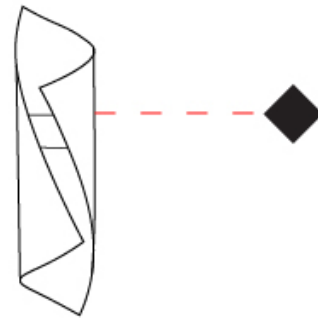
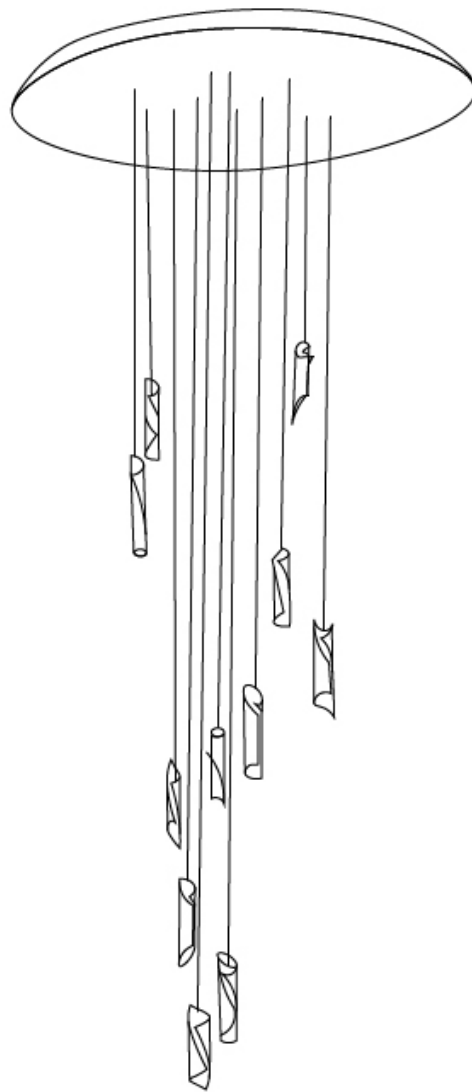
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## HUE 20 SUSPENSION

**D131004-** \_\_\_\_\_  
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: HUE  
Subseries: Hue 20  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Ambient

### PHYSICAL

Shape: Abstract  
Diameter (mm): 700  
Diameter (in): 27 <sup>9</sup>/<sub>16</sub>"  
Height (mm): 160  
Height (in): 6 <sup>5</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: 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: Silicon Coaxial Cable

### ELECTRICAL

Lamp Type: LED  
Total Output Wattage (W): 30  
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): 350  
Upon Request: Phase dimming @120Vac only / Non-dimming 277Vac

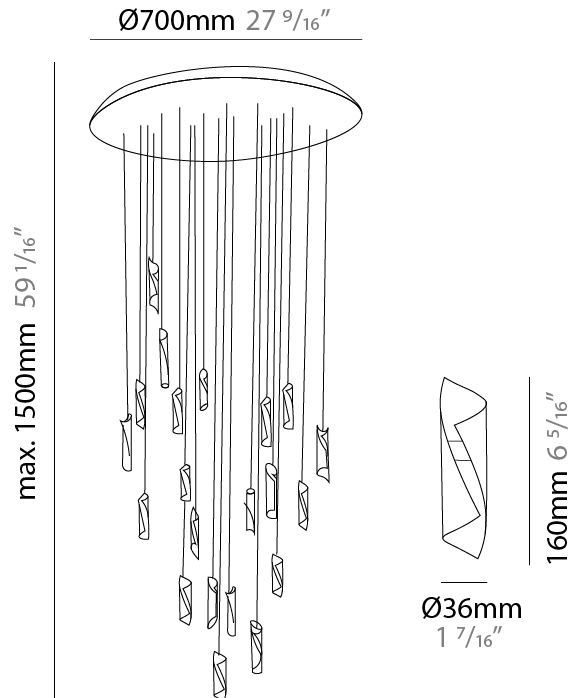
### LED

Number of LEDs: 20  
Color Temperature (°K): 3000  
Max. Delivered Lumen (lm): 3000  
CRI: >80 CRI  
Lamp Life (hrs): 50000

### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HUE 20 SUSPENSION

D131004-

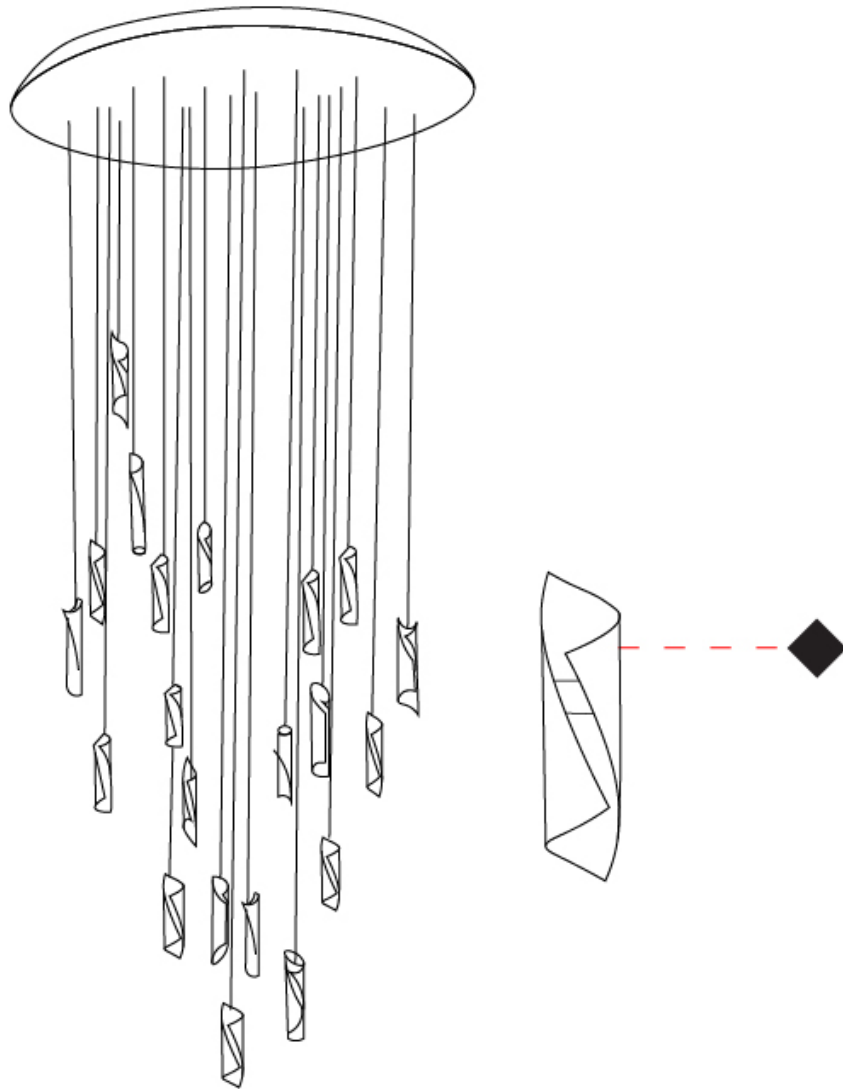
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## HUE 30 SUSPENSION

**D131005-** \_\_\_\_\_  
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: HUE  
Subseries: Hue 30  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Ambient

### PHYSICAL

Shape: Abstract  
Diameter (mm): 900  
Diameter (in): 35 7/16  
Height (mm): 160  
Height (in): 6 5/16  
Max. Overall Height (mm): 1500  
Max. Overall Height (in): 59 1/16  
Light Distribution: Direct / Indirect  
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: Silicon Coaxial Cable

### ELECTRICAL

Lamp Type: LED  
Total Output Wattage (W): 45  
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): 350  
Upon Request: Phase dimming @120Vac only / Non-dimming 277Vac

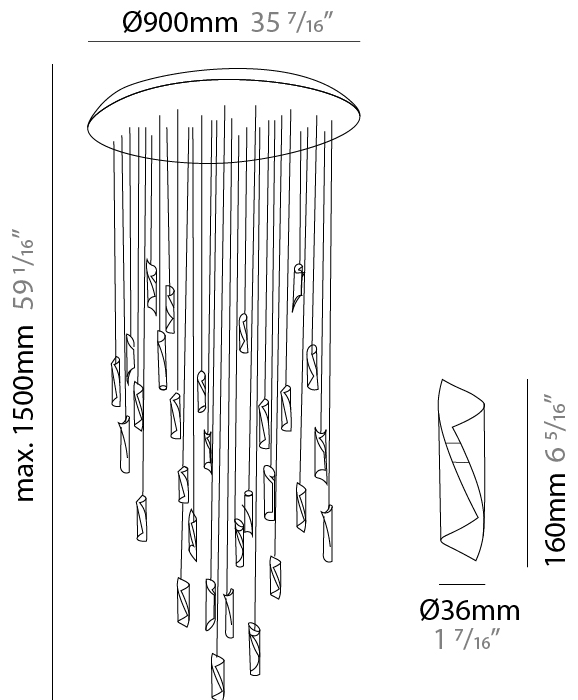
### LED

Number of LEDs: 30  
Color Temperature (°K): 3000  
Max. Delivered Lumen (lm): 4500  
CRI: >80 CRI  
Lamp Life (hrs): 50000

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



## HUE 30 SUSPENSION

D131005-

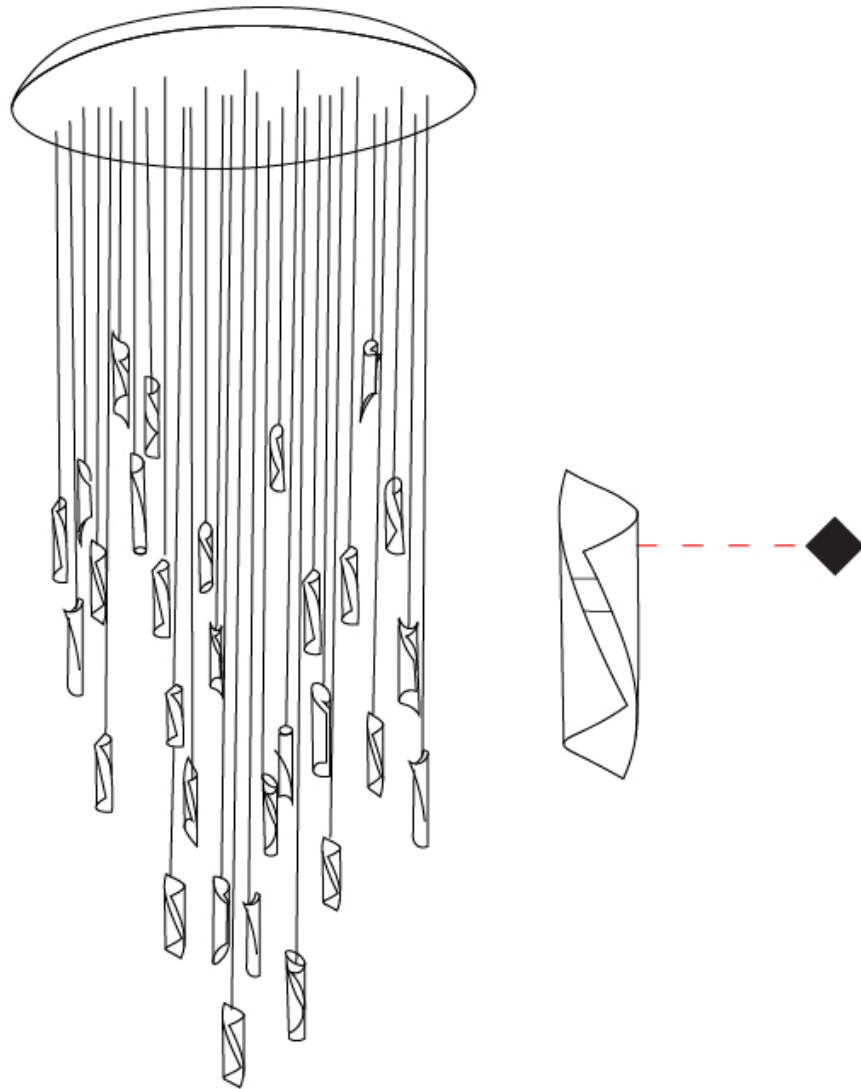
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## HUE SUSPENSION

**D131006-** \_\_\_\_\_  
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: HUE  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

### PHYSICAL

Shape: Abstract  
 Diameter (mm): 80  
 Diameter (in): 3 1/8  
 Height (mm): 370  
 Height (in): 14 9/16  
 Max. Overall Height (mm): 2520  
 Max. Overall Height (in): 99 3/16  
 Light Distribution: Direct / Indirect  
 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: 1 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

Number of Lamps: 1  
 Lamp Type: LED Retrofit  
 Lamp Shape: MR16  
 Bulb Included: Bulb Not Included  
 Max. Wattage Per Lamp (W): 6.5  
 Lamp Base: GU10  
 Input Voltage (V): 120

### LED

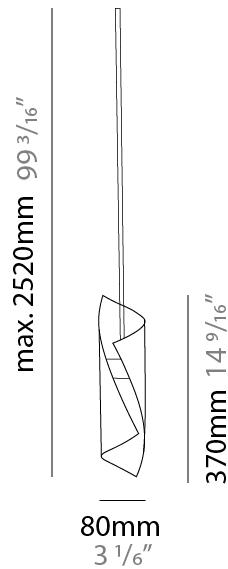
### OPTICAL

Optic°: 25

### RATINGS AND CERTIFICATIONS

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

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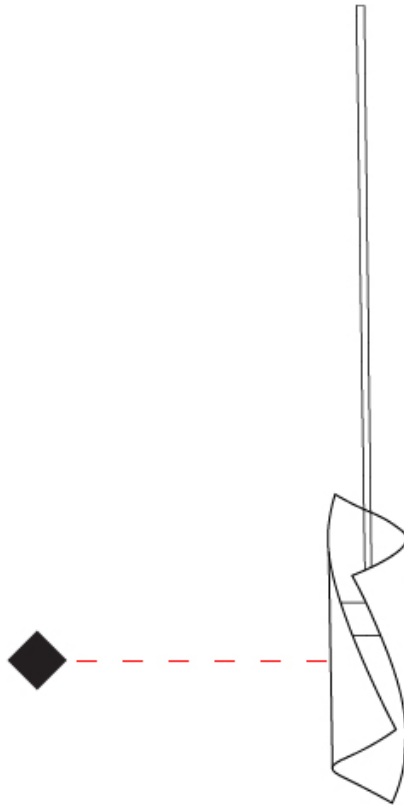
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## HUE SUSPENSION

**D131012-** \_\_\_\_\_  
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: HUE  
 Brand: Knikerboker  
 Division: Design  
 Mounting Type: Suspension  
 Mounting Location: Ceiling  
 Subcategory: Pendant

### PHYSICAL

Shape: Abstract  
 Diameter (mm): 120  
 Diameter (in): 4 3/4  
 Height (mm): 540  
 Height (in): 21 1/4  
 Max. Overall Height (mm): 2750  
 Max. Overall Height (in): 108 1/4  
 Light Distribution: Direct / Indirect / Downlight  
 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: 1 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

Number of Lamps: 2  
 Lamp Type: LED Retrofit  
 Lamp Shape: MR16  
 Bulb Included: Bulb Not Included  
 Max. Wattage Per Lamp (W): 6.5  
 Lamp Base: GU10  
 Input Voltage (V): 120

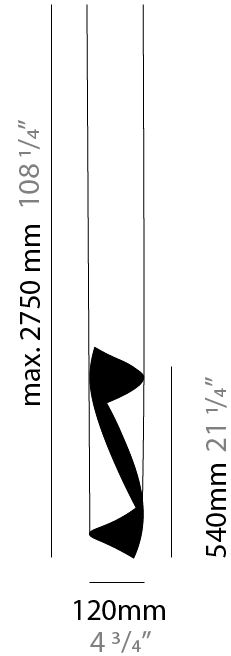
### LED

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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## HUE SUSPENSION

**D131018-** \_\_\_\_\_  
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: HUE  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Pendant

### PHYSICAL

Shape: Abstract  
Diameter (mm): 120  
Diameter (in): 4 3/4  
Height (mm): 1100  
Height (in): 43 5/16  
Max. Overall Height (mm): 2750  
Max. Overall Height (in): 108 3/4  
Light Distribution: Direct / Indirect  
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: 1 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

Number of Lamps: 4  
Lamp Type: LED Retrofit  
Lamp Shape: MR16  
Bulb Included: Bulb Not Included  
Max. Wattage Per Lamp (W): 6.5  
Lamp Base: GU10  
Input Voltage (V): 120

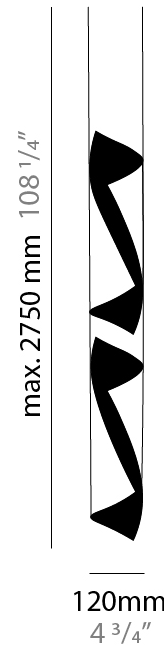
### LED

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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## HUE SUSPENSION

D131018-

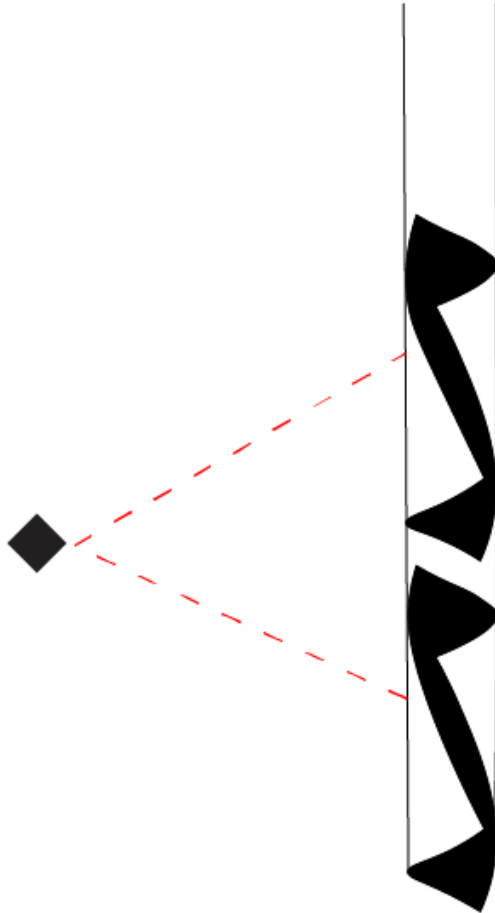
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## HUE SUSPENSION

**D131024-** \_\_\_\_\_  
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: HUE  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Pendant

### PHYSICAL

Shape: Abstract  
Diameter (mm): 120  
Diameter (in): 4 3/4  
Height (mm): 1620  
Height (in): 63 3/4  
Max. Overall Height (mm): 2750  
Max. Overall Height (in): 108 1/4  
Light Distribution: Direct / Indirect  
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: 1 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

Number of Lamps: 6  
Lamp Type: LED Retrofit  
Lamp Shape: MR16  
Bulb Included: Bulb Not Included  
Max. Wattage Per Lamp (W): 6.5  
Lamp Base: GU10  
Input Voltage (V): 120

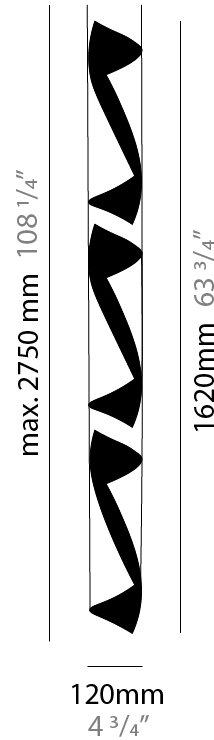
### LED

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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## HUE SUSPENSION

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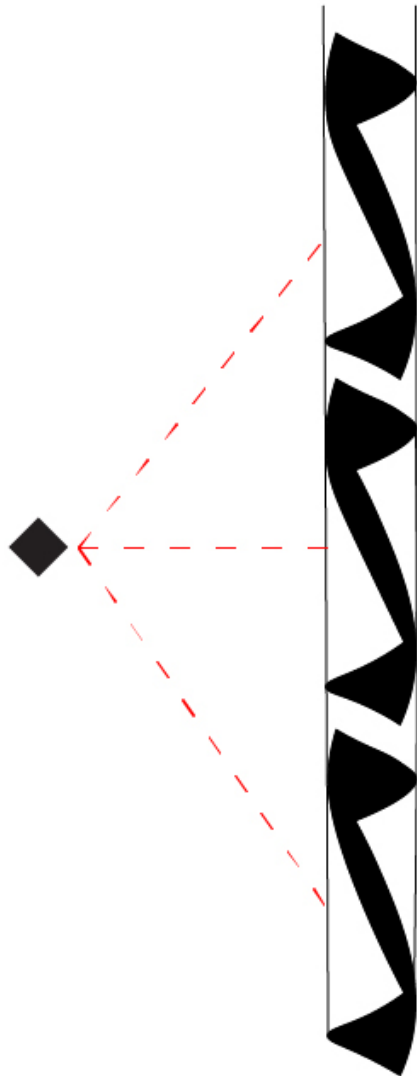
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## HUE SUSPENSION

**D131107-** \_\_\_\_\_  
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: HUE  
Brand: Knikerboker  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Pendant

### PHYSICAL

Shape: Abstract  
Diameter (mm): 160  
Diameter (in): 6 <sup>5</sup>/<sub>16</sub>  
Height (mm): 1350  
Height (in): 53 <sup>1</sup>/<sub>8</sub>  
Max. Overall Height (mm): 3700  
Max. Overall Height (in): 145 <sup>11</sup>/<sub>16</sub>  
Light Distribution: Direct / Indirect  
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: 2 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

Number of Lamps: 4  
Lamp Type: LED Retrofit  
Bulb Included: Bulb Not Included  
Max. Wattage Per Lamp (W): 4.5  
Lamp Base: E26  
Input Voltage (V): 120  
Upon Request: 277Vac / GU10

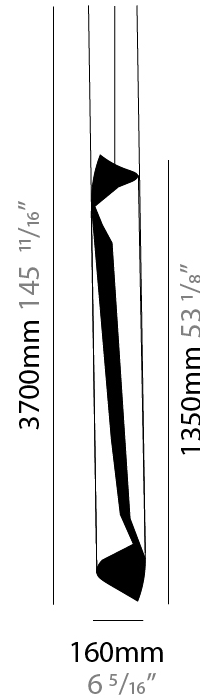
### LED

### OPTICAL

### RATINGS AND CERTIFICATIONS

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

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## HUE SUSPENSION

D131107-

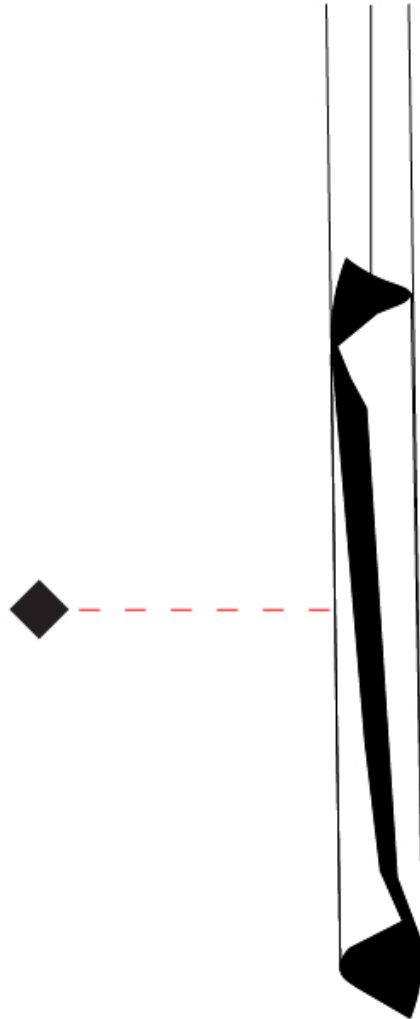
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## HUE SUSPENSION

**D131213-** \_\_\_\_\_  
base number

- To build a product code in our configurator select the specify button on the base model # product page
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### GENERAL

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

### PHYSICAL

Shape: Abstract  
 Diameter (mm): 160  
 Diameter (in): 6 <sup>5</sup>/<sub>16</sub>  
 Height (mm): 1350  
 Height (in): 53 <sup>1</sup>/<sub>8</sub>  
 Max. Overall Height (mm): 3700  
 Max. Overall Height (in): 145 <sup>11</sup>/<sub>16</sub>  
 Light Distribution: Direct / Indirect  
 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: 1 Silicone Cable 2000mm / 78 3/4"

### ELECTRICAL

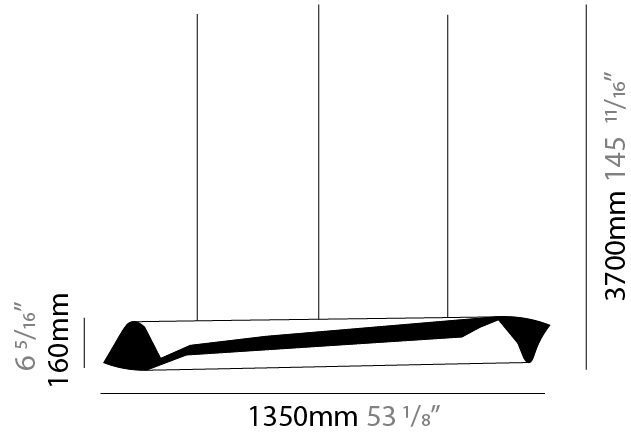
Number of Lamps: 4  
 Lamp Type: LED Retrofit  
 Bulb Included: Bulb Not Included  
 Max. Wattage Per Lamp (W): 4.5  
 Lamp Base: E26  
 Input Voltage (V): 120  
 Upon Request: 277Vac / GU10

### LED

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



D131213-

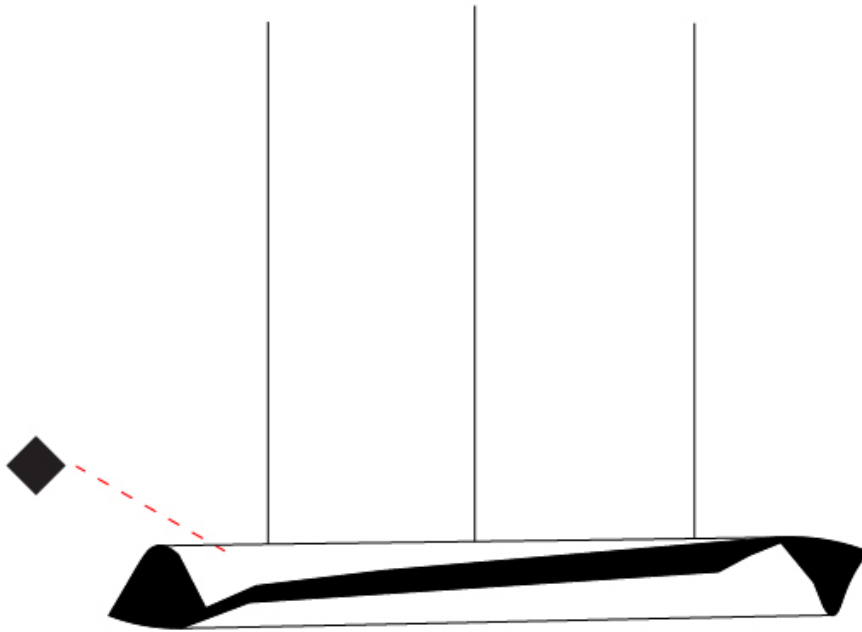
PROJECT

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## HUE

### COLOR FINISH CHART

#### Fixture Finish

Embossed White - EWH



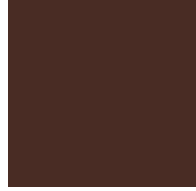
Embossed Black - EBK



Metallic Anthracite - MAN



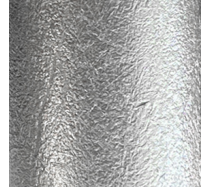
Coffee - COF



Purple Red - PRD



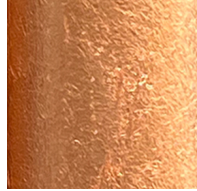
Silver Leaf - SLF



Gold Leaf - GLF



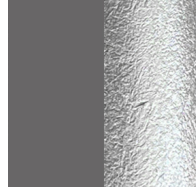
Copper Leaf - CLF



Bronze Leaf - BRL



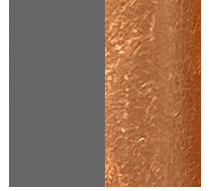
Metallic Anthracite / Silver Leaf - MAS



Metallic Anthracite / Gold Leaf - MAD



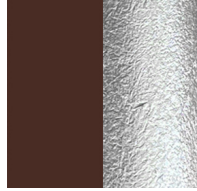
Metallic Anthracite / Copper Leaf - MAC



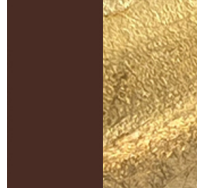
Metallic Anthracite / Bronze Leaf - MAB



Coffee / Silver Leaf - COS



Coffee / Gold Leaf - CGO



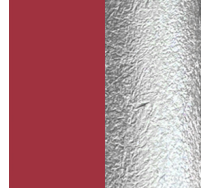
Coffee / Copper Leaf - CCL



Coffee / Bronze Leaf - CBL



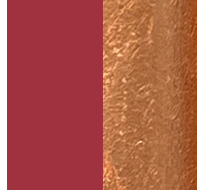
Purple Red / Silver Leaf - PRS



Purple Red / Gold Leaf - PRG



Purple Red / Copper Leaf - PRC



Purple Red / Bronze Leaf - PRB








































































**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                                                                              |
|  | 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<br>protected against sprays of water up to 60 degrees from the vertical (rain)      |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>no protection against the ingress of moisture                               |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>protected against sprays of water up to 60 degrees from the vertical (rain) |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>protected against water splashed from all directions                        |
|  | protected against limited ingress of dust (wet rooms/covered outdoor areas)<br>protected against water splashed from all directions              |
|  | protected against ingress of dust<br>protected against jets of water                                                                             |
|  | protected against ingress of dust<br>protected against powerful jets of water or heavy seas                                                      |
|  | protected against ingress of dust<br>protected against immersion of water between 15cm - 1m for 30 minutes                                       |
|  | protected against ingress of dust<br>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)    |