

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

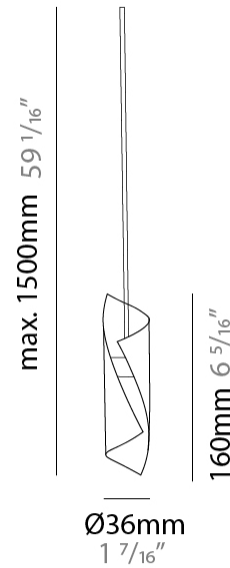
PROJECT _____

TYPE _____

SPECIFIER _____

QUANTITY _____

DATE _____



HUE SINGLE SUSPENSION

D131002-

PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

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

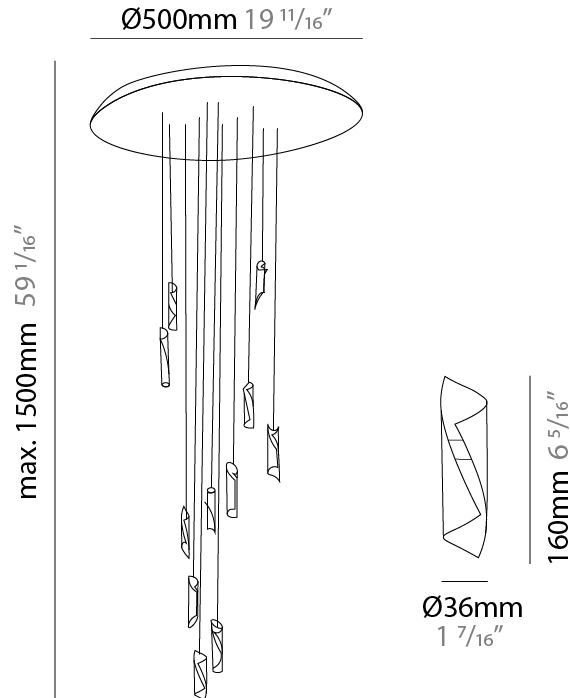
LED

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-

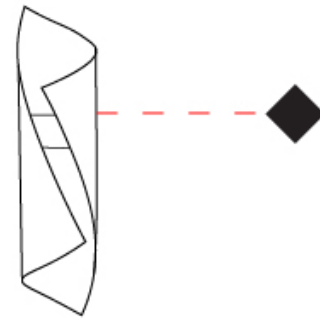
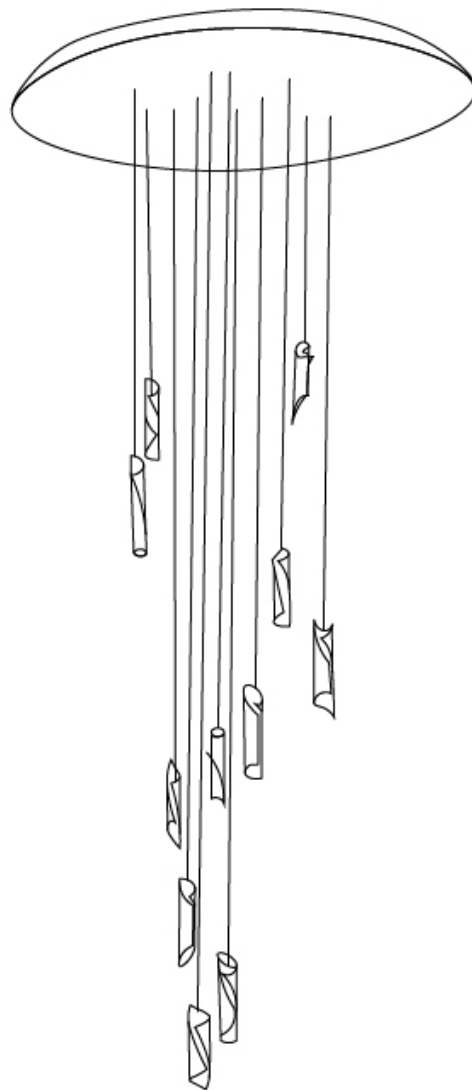
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

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 9/16
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): 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

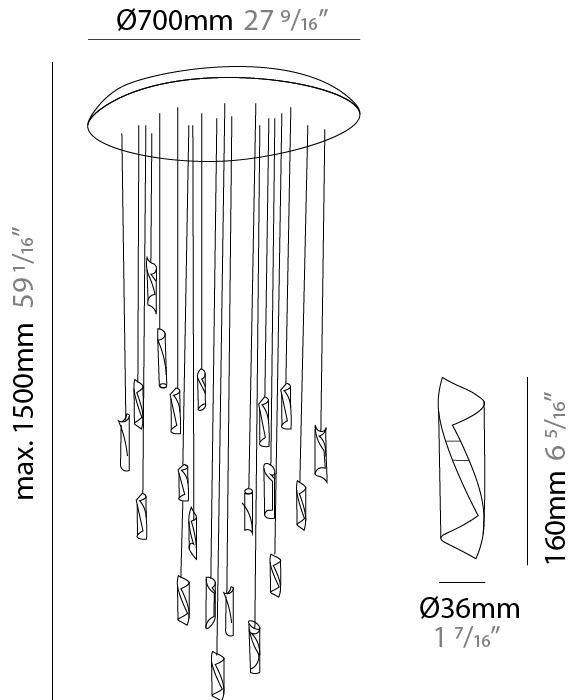
LED

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-

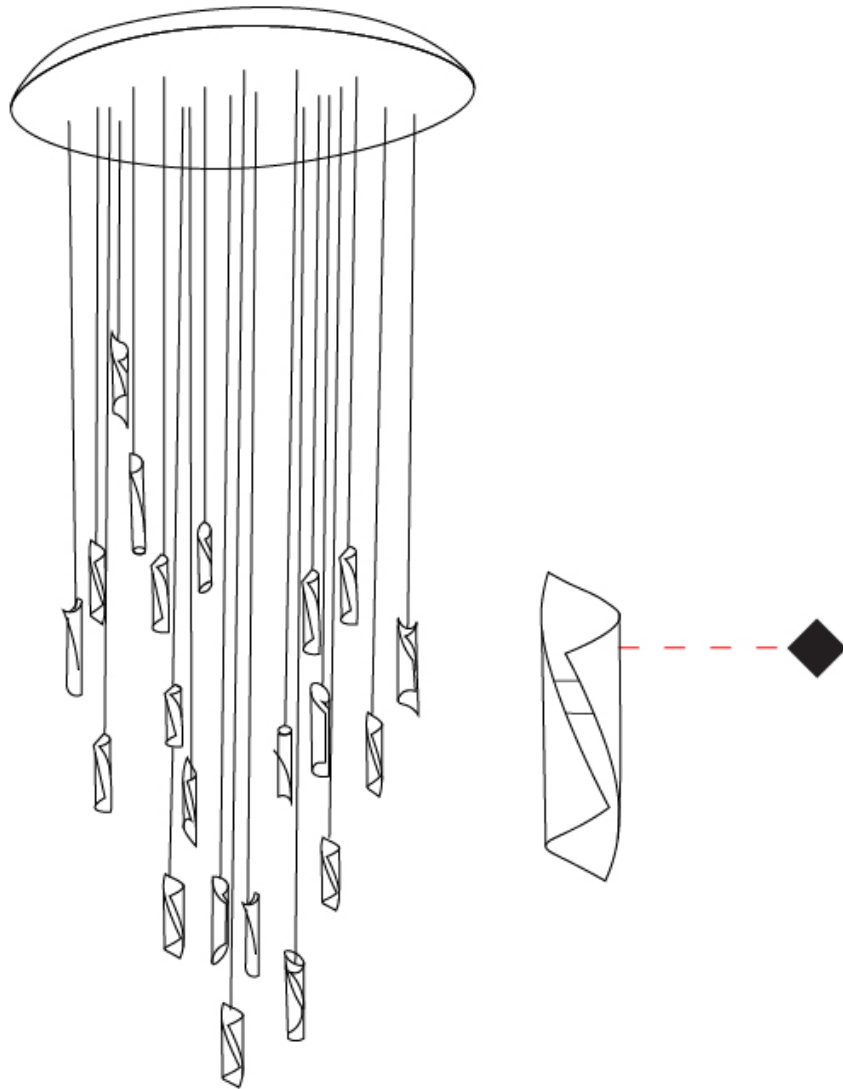
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

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

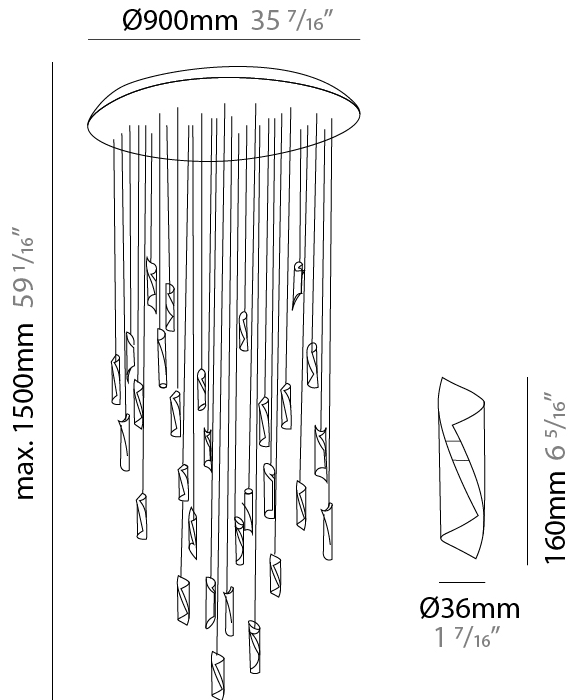
LED

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-

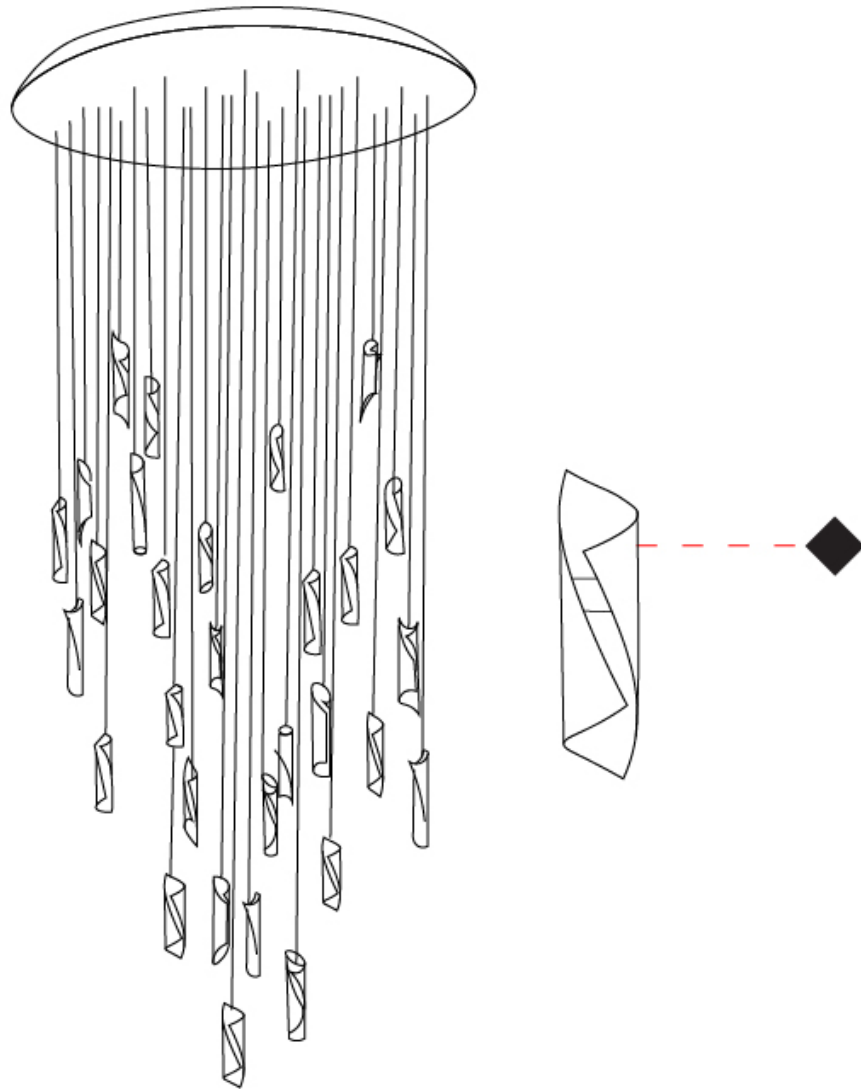
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

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

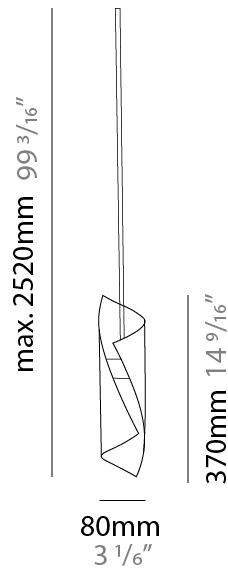
OPTICAL

Optic°: 25

RATINGS AND CERTIFICATIONS

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

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



D131006-

PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

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

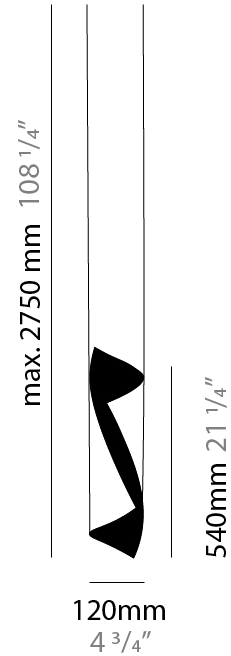
LED

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



D131012-

PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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

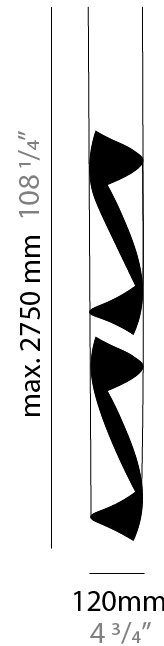
LED

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



HUE SUSPENSION

D131018-

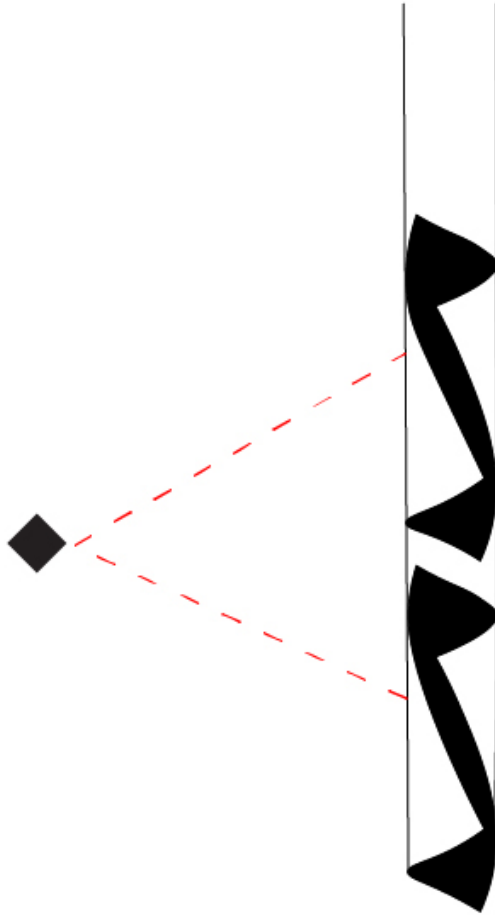
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

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

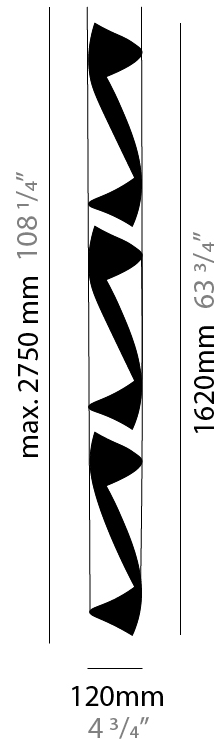
LED

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE



HUE SUSPENSION

D131024-

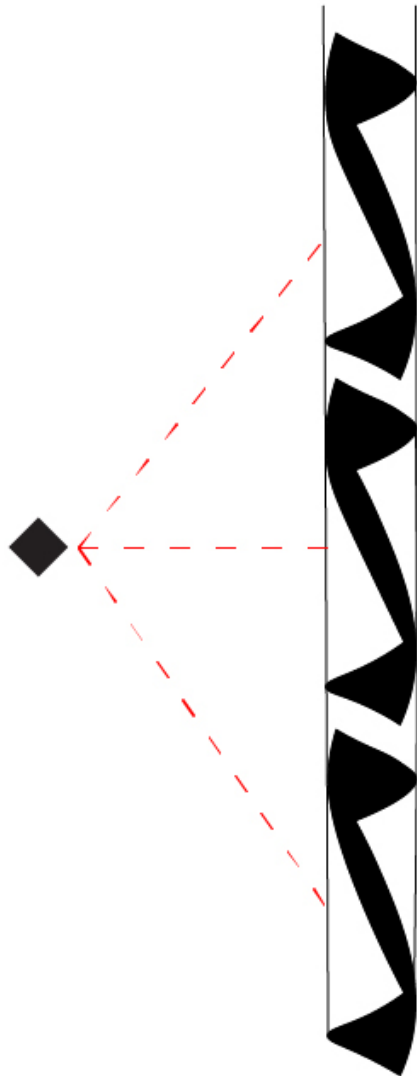
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

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 ⁵/₁₆
Height (mm): 1350
Height (in): 53 ¹/₈
Max. Overall Height (mm): 3700
Max. Overall Height (in): 145 ¹¹/₁₆
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: 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

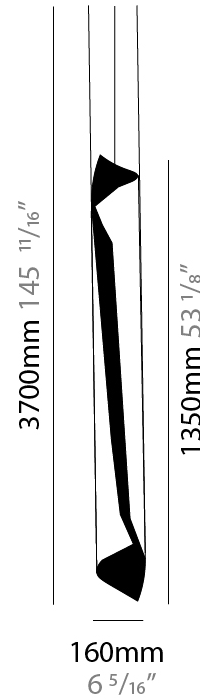
LED

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



D131107-

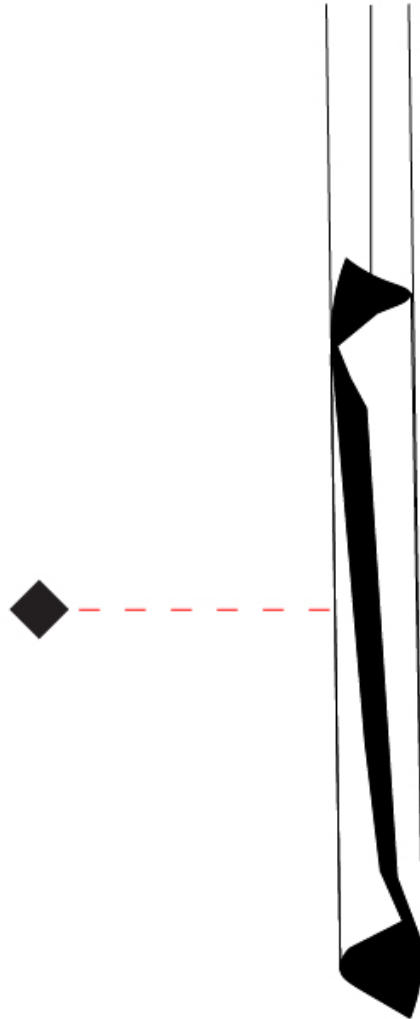
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

HUE SUSPENSION

D131213- _____
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 ⁵/₁₆
 Height (mm): 1350
 Height (in): 53 ¹/₈
 Max. Overall Height (mm): 3700
 Max. Overall Height (in): 145 ¹¹/₁₆
 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

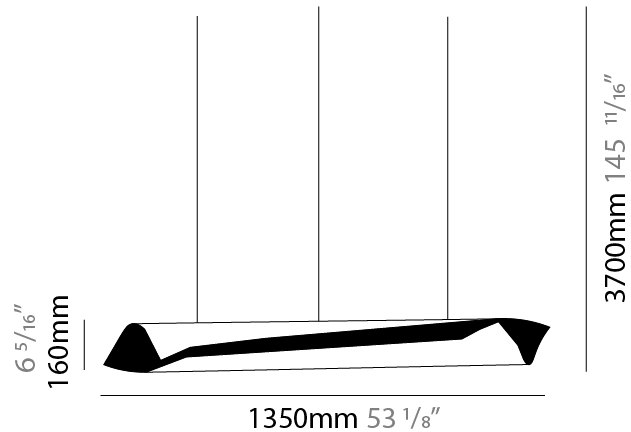
Number of Lamps: 4
 Lamp Type: LED Retrofit
 Bulb Included: Bulb Not Included
 Max. Wattage Per Lamp (W): 4.5
 Lamp Base: E26
 Input Voltage (V): 120
 Upon Request: 277Vac / GU10

LED

OPTICAL

RATINGS AND CERTIFICATIONS

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



D131213-

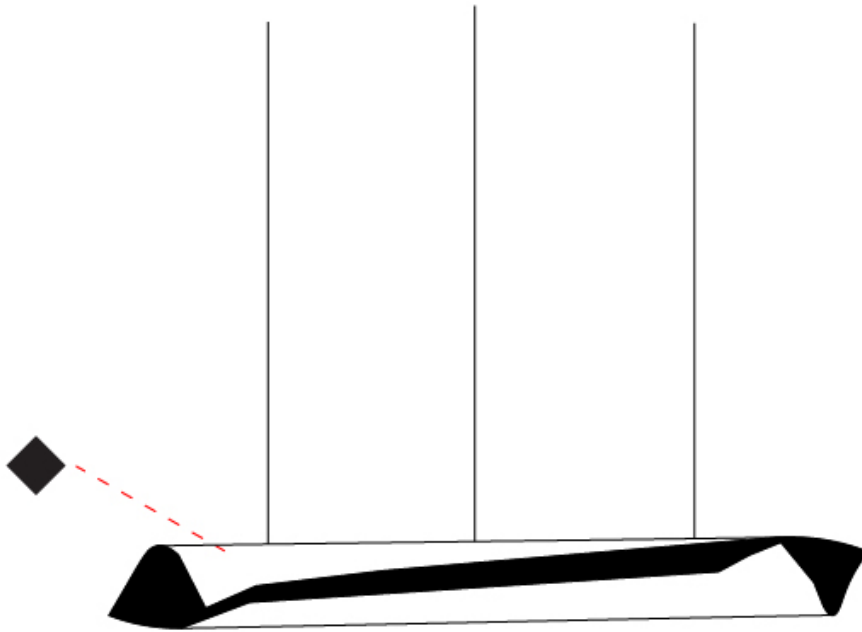
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



HUE SURFACE

D132003- _____

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: HUE _____
Brand: Knikerboker _____
Division: Design _____
Mounting Type: Surface _____
Mounting Location: Ceiling _____
Subcategory: Downlight _____

PHYSICAL

Shape: Cylinder _____
Diameter (mm): 80 _____
Diameter (in): 3 1/8 _____
Height (mm): 150 _____
Height (in): 5 7/8 _____
Light Distribution: Direct _____
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

Number of Lamps: 1 _____
Lamp Type: LED Retrofit _____
Lamp Shape: MR16 _____
Bulb Included: Bulb Not Included _____
Max. Wattage Per Lamp (W): 8 _____
Lamp Base: GU10 _____
Input Voltage (V): 120 _____

LED**OPTICAL****RATINGS AND CERTIFICATIONS**

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



150mm 5 7/8"

80mm
3 1/8"

D132003-

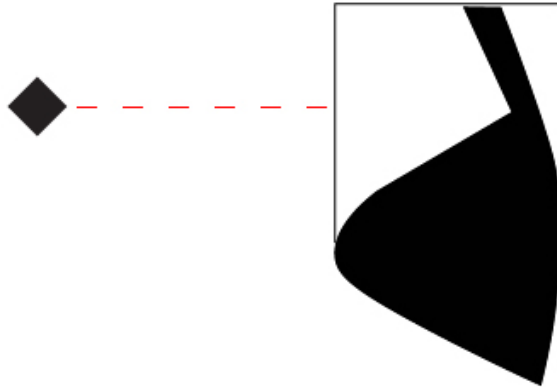
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

HUE SURFACE

D132009- _____
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: Surface
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL

Shape: Cylinder
Diameter (mm): 120
Diameter (in): 4 3/4
Height (mm): 210
Height (in): 8 1/4
Light Distribution: Direct
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

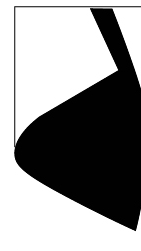
Number of Lamps: 1
Lamp Type: LED Retrofit
Lamp Shape: MR16
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 8
Lamp Base: GU10
Input Voltage (V): 120

LED

OPTICAL

RATINGS AND CERTIFICATIONS

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



210mm 8 1/4"

120mm
4 3/4"



HUE SURFACE

D132009-

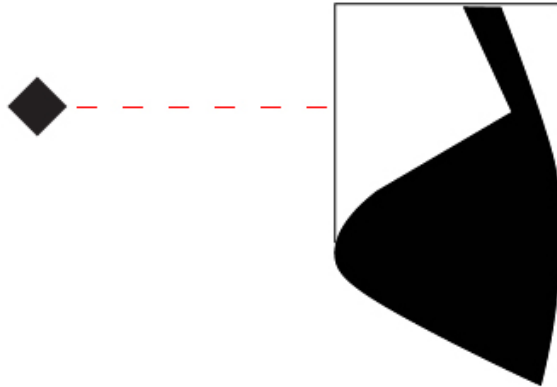
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

HUE

COLOR FINISH CHART

Fixture Finish

Embossed White - EWH



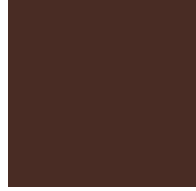
Embossed Black - EBK



Metallic Anthracite - MAN



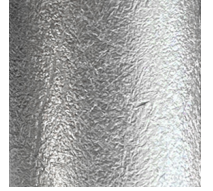
Coffee - COF



Purple Red - PRD



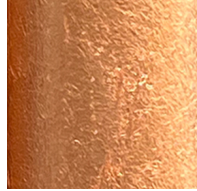
Silver Leaf - SLF



Gold Leaf - GLF



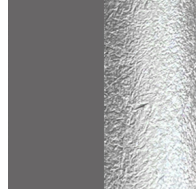
Copper Leaf - CLF



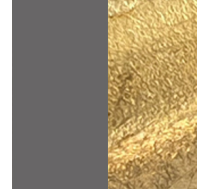
Bronze Leaf - BRL



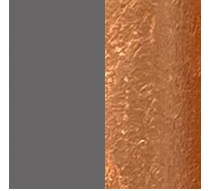
Metallic Anthracite / Silver Leaf - MAS



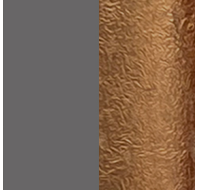
Metallic Anthracite / Gold Leaf - MAD



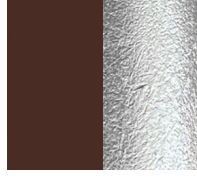
Metallic Anthracite / Copper Leaf - MAC



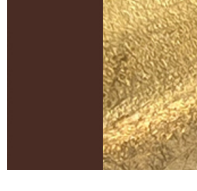
Metallic Anthracite / Bronze Leaf - MAB



Coffee / Silver Leaf - COS



Coffee / Gold Leaf - CGO



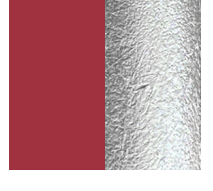
Coffee / Copper Leaf - CCL



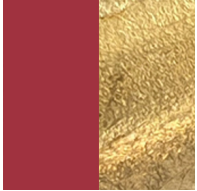
Coffee / Bronze Leaf - CBL



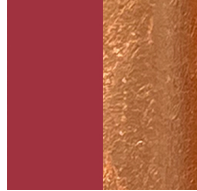
Purple Red / Silver Leaf - PRS



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	 pivotable	 special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
 wall and ceiling: recessed and surface mounted	 rotating	 warm dim / natural dimming LED
 ceiling-mounted and wall-mounted	 illuminate tilted	 rechargeable battery powered
 wall-mounted	 color of suspension cable	 fixture with natural vivid LED (upon request)
 omni-directional light distribution	 length of suspension cable	 color rendering index
 direct light distribution	 reflector degree selection	 color temperature
 direct/indirect light distribution	 super spot	 lumen (luminous flux)
 indirect light distribution	 lens	 efficacy (lumens per watt)
 asymmetric light distribution	 lens pack	 Unified Glare Rating (UGR) range from 5-40
 aura light distribution	 shine ring	 marine grade (AISI 316 stainless steel)
 round wall or ceiling cut-out	 integrated shine ring with diffuser	 walk on
 square wall or ceiling cut-out	 free individual colors 01-29	 drive on
 the supplied jig specifies the cutout dimensions	 individual colors: 00 (free of charge), 01-25 (extra charge)	 Dark Sky Compliance
 minimum distance (meters) lamp - object	 luminaire part to be colored (F1)	 Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
 recessed depth	 luminaire part to be colored (F2)	 lamp protected against explosion
 ceiling thickness in mm	 luminaire part to be colored (F3)	 blown glass using traditional methods by master glass blower
 ceiling thickness selection	 luminaire part to be colored (F4)	 acoustic material
 dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	 luminaire part to be colored (F5)	 protection class I, protection insulation
 included or excluded LED driver/transformer/control gear	 color of 3-circuit adaptor	 protection class II, protection insulation
 separately switchable	 indirect diffuser	 ETL Certified to UL and CSA Standards
 sensor	 direct diffuser	 UL Certified to UL and CSA Standards
 remote control	 ball-proof (upon request)	 CSA Certified to UL and CSA Standards
 available upon request	 accessory	 Certified for North American Standards

IP RATING

 IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
 IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
 IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
 IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
 IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
 IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
 IP65	protected against ingress of dust protected against jets of water
 IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
 IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
 IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

 IK01	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
 IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
 IK03	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
 IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
 IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
 IK06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
 IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
 IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
 IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
 IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)