## **CRASH SUSPENSION**

### D131065-

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

GENERAL	
Series: Crash	
Brand: Kniker	boker
Division: Desi	gn
Mounting Typ	e: Suspension
Mounting Loc	ation: Ceiling
Subcategory:	Pendant
PHYSICAL	
Shape: Abstra	oct
Length (mm):	1000
Length (in): 39	9 ¾
Width (mm): 1	1000
Width (in): 39	3/8
Max. Overall H	- Height (mm): 2000
	Height (in): 78 $\frac{3}{4}$
Light Distribu	
/ EWG / EWC /	: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / BRL / EWS EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / GO / CCL / CBL / PRS / PRG / PRC / PRB
Fixture Materi	ial: Metal
Cable Details: 78 3/4"	4 Steel Cable 2000mm / 78 3/4" - Silicon Cable 2000mm /
ELECTRICAL	
Lamp Type: L	ED Retrofit
Input Wattage	e (W): 21
Total Output	Wattage (W): 20
Dimming: Tri- and 0-10V Din	Mode (Non-Dimming and Phase Dimming (120Vac only) nming)
Driver Include	ed: Yes
Driver Locatio	on: Integrated
Driver Type: C	Constant Current - Universal
Driver Class: 0	Class 2
Input Voltage	
Constant Curi	• •
Upon Reques	t: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac
LED	
Number of LE	Ds: 2
Color Temper	rature (°K): 3000

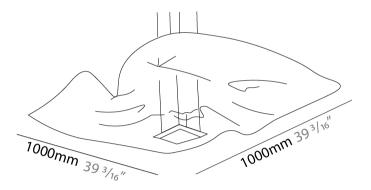
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
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D131065-

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## **CRASH SUSPENSION**

### D131068-

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

OLNERAL	
Series: Crash	
Brand: Kniker	boker
Division: Desig	gn
Mounting Typ	e: Suspension
Mounting Loc	ation: Ceiling
Subcategory:	Pendant
PHYSICAL	
Shape: Curves	5
Length (mm):	1500
Length (in): 59	9 <sup>1</sup> / <sub>15</sub>
Width (mm): 1	
Width (in): 59	1/15
	leight (mm): 2000
	leight (in): 78 <sup>3</sup> / <sub>4</sub>
Light Distribut	
	: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / BRL / EWS
/ EWG / EWC /	EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC /
MAB / COS / C	GO / CCL / CBL / PRS / PRG / PRC / PRB
Fixture Materi	
Cable Details: 78 3/4"	4 Steel Cable 2000mm / 78 3/4" - Silicon Cable 2000mm /
ELECTRICAL	
Lamp Type: Ll	ED
Input Wattage	e (W): 31.5
Total Output \	Wattage (W): 30
Dimming: Tri- and 0-10V Dim	Mode (Non-Dimming and Phase Dimming (120Vac only)
Driver Include	
Driver Locatio	on: Integrated
	Constant Current - Universal
Driver Class: C	lass 2
Input Voltage	(V): 120 - 277
Constant Curr	rent (MA): 250
Upon Request	t: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac
LED	
Number of LE	Ds: 3
Color Temper	ature (°K): 3000
· · ·	d Lumen (lm): 3300
CRI: >85 CRI	

### OPTICAL

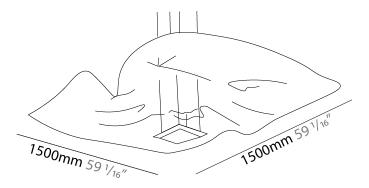
#### RATINGS AND CERTIFICATIONS

Lamp Life (hrs): 50000

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

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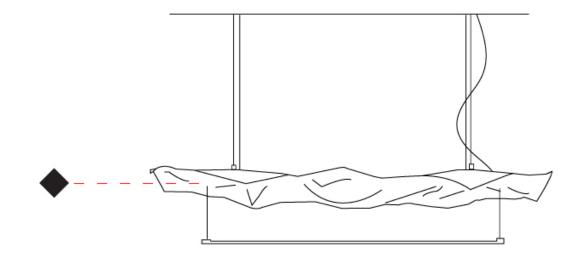
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D131068-

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## **CRASH SUSPENSION**

## D131071-

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

GENERAL	
Series: Crash	h
Brand: Knike	erboker
Division: Des	sign
Mounting Ty	ype: Suspension
Mounting Lo	ocation: Ceiling
Subcategory	y: Pendant
PHYSICAL	
Shape: Curv	res
Length (mm	ı): 2500
Length (in):	98 1/16
Width (mm)	: 620
Width (in): 2	4 <sup>7</sup> / <sub>16</sub>
Max. Overall	l Height (mm): 2000
Max. Overall	l Height (in): 78 ¾
Light Distrib	oution: Indirect
/ EWG / EWC	sh: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / BRL / EWS C / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / CGO / CCL / CBL / PRS / PRG / PRC / PRB
Fixture Mate	erial: Metal
Cable Detail 78 3/4"	ls: 4 Steel Cable 2000mm / 78 3/4" - Silicon Cable 2000mm /
ELECTRICAL	L
Lamp Type:	LED
Input Watta	ge (W): 42
Total Outpu	it Wattage (W): 40
Dimming: Tr and 0-10V D	ri-Mode (Non-Dimming and Phase Dimming (120Vac only) imming)
Driver Inclue	ded: Yes
Driver Locat	tion: Integrated
Driver Type:	: Constant Current - Universal
Driver Class:	: Class 2
Input Voltag	ge (V): 120 - 277
Constant Cu	ırrent (MA): 250
Upon Reque	est: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac
LED	
Number of L	EDs: 4
Color Temp	erature (°K): 3000
Max Deliver	red Lumen (lm)· 4400

Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 4400
CRI: >85 CRI
Lamp Life (hrs): 50000

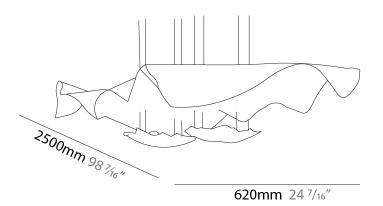
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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IP rating: IP20

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D131071-

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## **CRASH SUSPENSION**

### D131425-

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

GENERAL	
Series: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Abstract	
Length (mm): 500	
Length (in): 19 11/16	
Width (mm): 500	
Width (in): 19 <sup>11</sup> / <sub>16</sub>	
Extension (mm): 2000	
Extension (in): 78 <sup>3</sup> / <sub>4</sub>	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAI MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB	
Fixture Material: Metal	
Cable Details: 4 Steel Cable 2000mm / 78 3/4" - Silicon Cable 78 3/4"	e 2000mm /
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 10.5	
Total Output Wattage (W): 10	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120 and 0-10V Dimming)	)Vac only)
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Current - Universal	
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Constant Current (MA): 250	
Upon Request: 0-10Vdc dimming / Phase dimming @120Vac	:/277Vac
LED	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1100	

Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1100	
CRI: >85 CRI	
Lamp Life (hrs): 50000	

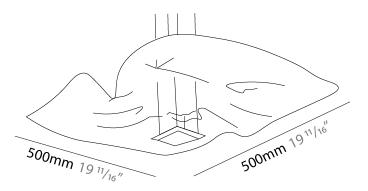
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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IP rating: IP20	

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D131425-

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## **CRASH SUSPENSION**

### D131439-

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

GENERAL	
Series: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Abstract	
Length (mm): 1000	
Length (in): 39 <sup>3</sup> / <sub>8</sub>	
Width (mm): 750	
Width (in): 29 ½	
Max. Overall Height (mm): 2000	
Max. Overall Height (in): 78 $\frac{3}{4}$	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN /	COF / PRD/ SLF / GLF / CLF / BRL / EWS
/ EWG / EWC / EWR / EBS / EBG / E	BC / EBC / EBB / MAS / MAD / MAC /
MAB / COS / CGO / CCL / CBL / PRS	S / PRG / PRC / PRB
Fixture Material: Metal	
Cable Details: 4 Steel Cable 2000n 78 3/4"	nm / 78 3/4" - Silicon Cable 2000mm /
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 10.5	
Total Output Wattage (W): 10	
Dimming: Tri-Mode (Non-Dimmin and 0-10V Dimming)	g and Phase Dimming (120Vac only)
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Current - U	niversal
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Constant Current (MA): 250	
Upon Request: 0-10Vdc dimming	/ Phase dimming @120Vac / 277Vac
LED	
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 2200	
CRI: >85 CRI	

## OPTICAL

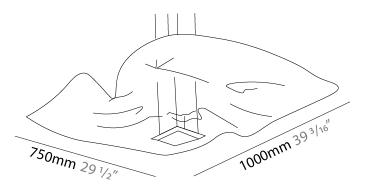
Lamp Life (hrs): 50000

### RATINGS AND CERTIFICATIONS

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

PROJECT TYPE SPECIFIER QUANTITY DATE







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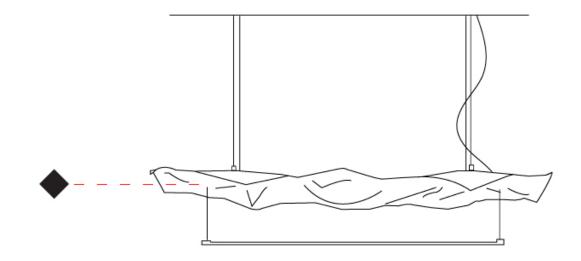
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D131439-

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## **ZANEEN**<sub>®</sub>

## **CRASH SURFACE**

### D132044-

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

CENTEROLE	
Series: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Ambient	
PHYSICAL	
Shape: Abstract	
Length (mm): 1000	
Length (in): 39 <sup>3</sup> / <sub>8</sub>	
Width (mm): 400	
Width (in): 15 <sup>3</sup> / <sub>4</sub>	
Height (mm): 240	
Height (in): 9 <sup>7</sup> / <sub>16</sub>	
Extension (mm): 250	
Extension (in): 9 <sup>13</sup> / <sub>16</sub>	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN / COF / / EWG / EWC / EWR / EBS / EBG / EBC / E MAB / COS / CGO / CCL / CBL / PRS / PRO	BC / EBB / MAS / MAD / MAC /
Fixture Material: Metal	
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 10.5	

Lamp Type: LED
Input Wattage (W): 10.5
Total Output Wattage (W): 10
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 250
Upon Request: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac
LED

Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 2200	
CRI: >85 CRI	
Lamp Life (hrs): 50000	

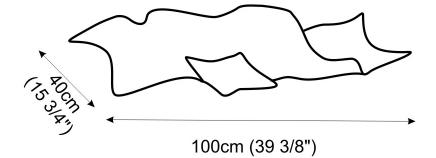
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

PROJECT TYPE SPECIFIER QUANTITY DATE





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## **CRASH SURFACE**

### D132047-

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: Crash
Brand: Knikerboker
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
PHYSICAL
Shape: Rectangle
Length (mm): 300
Length (in): 11 <sup>13</sup> / <sub>16</sub>
Width (mm): 300
Width (in): 11 <sup>13</sup> / <sub>16</sub>
Light Distribution: 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

#### 

Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1100	
CRI: >85 CRI	
Lamp Life (hrs): 50000	

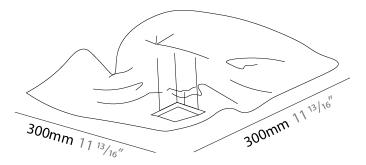
#### OPTICAL

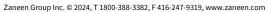
#### RATINGS AND CERTIFICATIONS

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IP rating: IP20	

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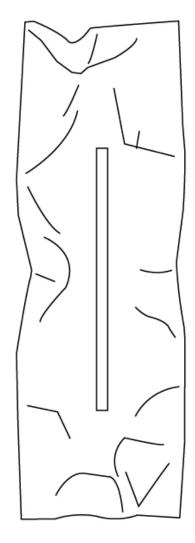


**CRASH SURFACE** 

D132047-

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## **CRASH SURFACE**

### D132050-

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

CENERALE	
Series: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
PHYSICAL	
Shape: Rectangle	
Length (mm): 500	
Length (in): 19 <sup>11</sup> / <sub>16</sub>	
Width (mm): 500	
Width (in): 19 <sup>11</sup> / <sub>16</sub>	
Height (mm): 300	
Height (in): 11 <sup>13</sup> / <sub>16</sub>	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAI MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB	, ,
Fixture Material: Metal	
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 21	
Total Output Wattage (W): 20	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120 and 0-10V Dimming)	)Vac only)
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Current - Universal	
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Constant Current (MA): 250	

#### LED

Lamp Life (hrs): 50000	
CRI: >85 CRI	
Max. Delivered Lumen (lm): 2200	
Color Temperature (°K): 3000	
Number of LEDs: 2	

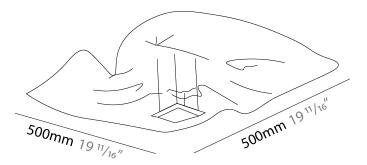
### OPTICAL

#### RATINGS AND CERTIFICATIONS

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IP rating: IP20	IP rating: IP20	

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TYPE		
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## **CRASH SURFACE**

### D132053-

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: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
PHYSICAL	
Shape: Rectangle	
Length (mm): 750	
Length (in): 29 ½	
Width (mm): 750	
Width (in): 29 <sup>1</sup> / <sub>2</sub>	
Extension (mm): 150	
Extension (in): $5\frac{7}{8}$	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CL / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MA MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB	, ,
Fixture Material: Metal	
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 21	
Total Output Wattage (W): 20	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (12 and 0-10V Dimming)	0Vac only)
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Current - Universal	

Input Voltage (V): 120 - 277 Constant Current (MA): 250

Upon Request: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac

#### LED

Driver Class: Class 2

Number of LEDs: 2	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1100	
CRI: >85 CRI	
Lamp Life (hrs): 50000	

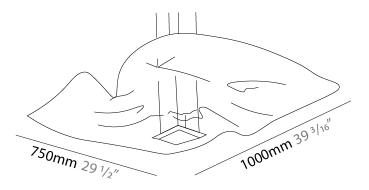
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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IP rating: IP20	

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TYPE
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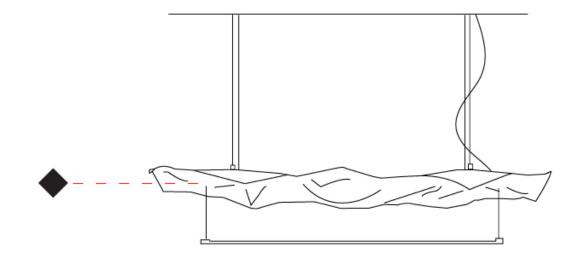


**CRASH SURFACE** 

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## **CRASH SURFACE**

### D132056-

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: Crash	
Brand: Knikerboker	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
PHYSICAL	
Shape: Rectangle	
Length (mm): 1000	
Length (in): 39 ¾	
Width (mm): 1000	
Width (in): 39 <sup>3</sup> / <sub>8</sub>	
Height (mm): 250	
Height (in): 9 <sup>13</sup> / <sub>16</sub>	
Light Distribution: Indirect	
Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / I / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB	,
Fixture Material: Metal	
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 21	
Total Output Wattage (W): 20	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Va and 0-10V Dimming)	ic only)
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Current - Universal	

Driver Class: Class 2 Input Voltage (V): 120 - 277 Constant Current (MA): 250

Upon Request: 0-10Vdc dimming / Phase dimming @120Vac / 277Vac

#### LED

Number of LEDs: 2
Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 1100
CRI: >85 CRI
Lamp Life (hrs): 50000

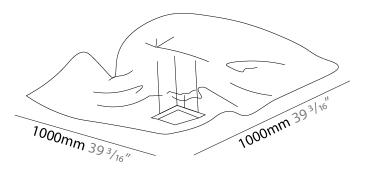
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

PROJECT TYPE SPECIFIER QUANTITY DATE







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## **CRASH SURFACE**

### D132109-

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: Crash
Brand: Knikerboker
Division: Design
Nounting Type: Surface
Nounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Abstract
ength (mm): 200
ength (in): 7 $\frac{7}{8}$
Nidth (mm): 200
Nidth (in): $7\frac{7}{8}$
Height (mm): 250
Height (in): 9 <sup>13</sup> / <sub>16</sub>
ight Distribution: Indirect
Fixture Finish: EWH / EBK / MAN / COF / PRD/ SLF / GLF / CLF / BRL / EV / EWG / EWC / EWR / EBS / EBG / EBC / EBC / EBB / MAS / MAD / MAC / MAB / COS / CGO / CCL / CBL / PRS / PRG / PRC / PRB
Fixture Material: Metal
ELECTRICAL
_amp Type: LED
nput Wattage (W): 10.5
Fotal Output Wattage (W): 10
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
nput Voltage (V): 120 - 277
Constant Current (MA): 250
Jpon Request: 0-10Vdc Dimming / Phase dimming @120Vac only / No dimming 120/277Vac
ED
Number of LEDs: 1

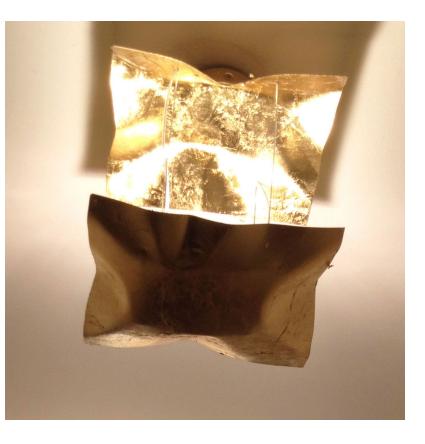
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1100	
CRI: >85 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

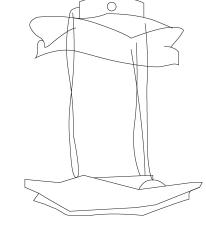
#### RATINGS AND CERTIFICATIONS

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

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			







200mm 7 7/8"

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In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

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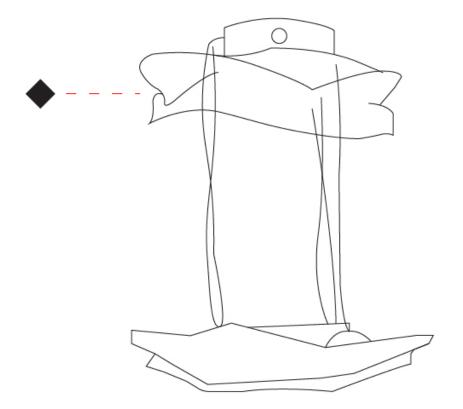


**CRASH SURFACE** 

D132109-

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PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



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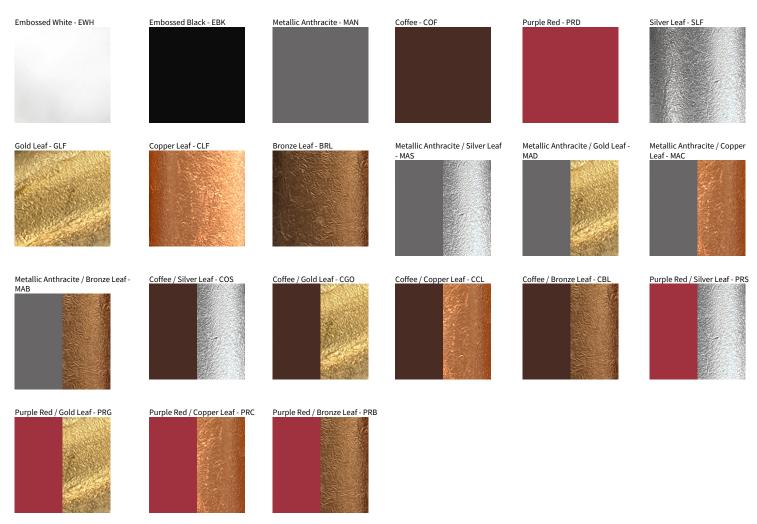
## **ZANEEN**<sub>®</sub>

## CRASH

DDO IFOT

PROJECT	
ТУРЕ	
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.

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## CRASH

LEGEND

PROJECT

TYPE

SPECIFIER QUANTITY

DATE

#### special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+ 1 floor-mounted Y pivotable 1 0 wall and ceiling: recessed and surface mounted rotating warm dim / natural dimming LED Œ illuminate tilted Î ceiling-mounted and wall-mounted rechargeable battery powered Ø Ţ wall-mounted color of suspension cable fixture with natural vivid LED (upon request) -> 1 $\mathbb{Y}$ omni-directional light distribution 1 CRI length of suspension cable color rendering index Ä direct light distribution Δ reflector degree selection °K color temperature direct/indirect light distribution s s super spot LM) lumen (luminous flux) Å Y LM indirect light distribution lens efficacy (lumens per watt) asymmetric light distribution Q UGR Unified Glare Rating (UGR) range from 5-40 lens pack 0 ÷ marine grade (AISI 316 stainless steel) Ă aura light distribution shine ring 9 round wall or ceiling cut-out lacksquareintegrated shine ring with diffuser 1 walk on 5 square wall or ceiling cut-out ĥ free individual colors 01-29 . drive on individual colors: 00 (free of charge), 01-25 (extra d Ċ DSC the supplied jig specifies the cutout dimensions Dark Sky Compliance charge) Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor) (++) M minimum distance (meters) lamp - object luminaire part to be colored (F1) Ġ • Î lamp protected against explosion recessed depth luminaire part to be colored (F2) blown glass using traditional methods by master € ceiling thickness in mm luminaire part to be colored (F3) A glass blower T ceiling thickness selection luminaire part to be colored (F4) 1) 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 $\odot$ У indirect diffuser 1 separately switchable ETL Certified to UL and CSA Standards

## **IP RATING**

sensor

remote control

available upon request

2

0

2

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**

6

SP

(Z)

КО1	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)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	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)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
К10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

UL Certified to UL and CSA Standards

CSA Certified to UL and CSA Standards

Certified for North American Standards

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D

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U

direct diffuser

accessory

ball-proof (upon request)