

D131053-

base number

Finish Options

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: Do Not Disturb | |
|----------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

| Mounting Type: Suspension |
|---|
| Mounting Location: Ceiling |
| Subcategory: Ambient |
| PHYSICAL |
| Shape: Round |
| Length (mm): 185 |
| Length (in): $7\frac{5}{16}$ |
| Width (mm): 25 |
| Width (in): 1 |
| Max. Overall Height (mm): 2000 |
| Max. Overall Height (in): 78 ¾ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Fixture Material: Metal |
| Cable Details: Silicon Coaxial Cable 1500mm |

ELECTRICAL

| ELECTRICAL |
|---|
| Lamp Type: LED |
| Input Wattage (W): 8 |
| Total Output Wattage (W): 7 |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - 120 / 277Vac |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| Upon Request: (Not included - see components) Remote: 0-10Vdc |

Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / (Included) Integral: Phase dimming @120Vac only / Non-dimming 277Vac

LED

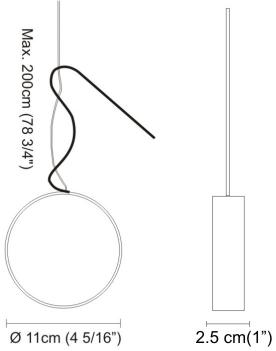
| Number of LEDs: 1 |
|------------------------------|
| Color Temperature (°K): 3000 |
| Nominal Lumen (lm): 1000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |
| |

OPTICAL

RATINGS AND CERTIFICATIONS





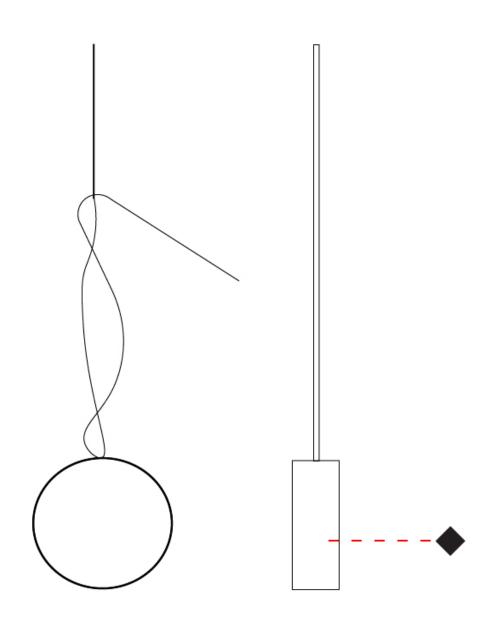






D131053-

| PROJECT | | |
|-----------|--|--|
| TYPE | | |
| SPECIFIER | | |
| QUANTITY | | |
| DATE | | |







D131057-

base number

Options

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: Do Not Disturb |
|----------------------------|
| Brand: Knikerboker |
| Division: Design |
| Mounting Type: Suspension |
| Mounting Location: Ceiling |
| Subcategory: Ambient |

| Mounting Type: Suspension |
|---|
| Mounting Location: Ceiling |
| Subcategory: Ambient |
| PHYSICAL |
| Shape: Round |
| Length (mm): 110 |
| Length (in): 4 ⁵ / ₁₆ |
| Width (mm): 25 |
| Width (in): 1 |
| Max. Overall Height (mm): 2000 |
| Max. Overall Height (in): 78 ¾ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Fixture Material: Metal |
| Cable Details: Silicon Coaxial Cable 1500mm |

ELECTRICAL

| Lamp Type: LED |
|--|
| Input Wattage (W): 8 |
| Total Output Wattage (W): 7 |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - 120 / 277Vac |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / (Included) Integral: Phase dimming @120Vac only / Non- |

LED

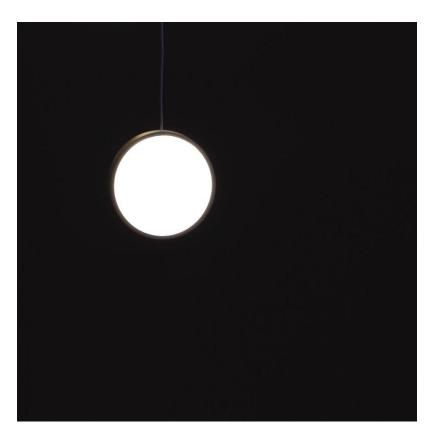
dimming 277Vac

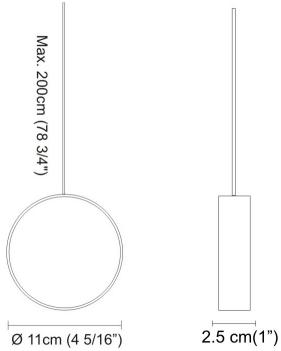
| LED | |
|---------------------------------|--|
| Number of LEDs: 1 | |
| Color Temperature (°K): 3000 | |
| Max. Delivered Lumen (lm): 1000 | |
| CRI: >85 CRI | |
| Lamp Life (hrs): 50000 | |
| ORTICAL | |

OPTICAL

RATINGS AND CERTIFICATIONS

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |



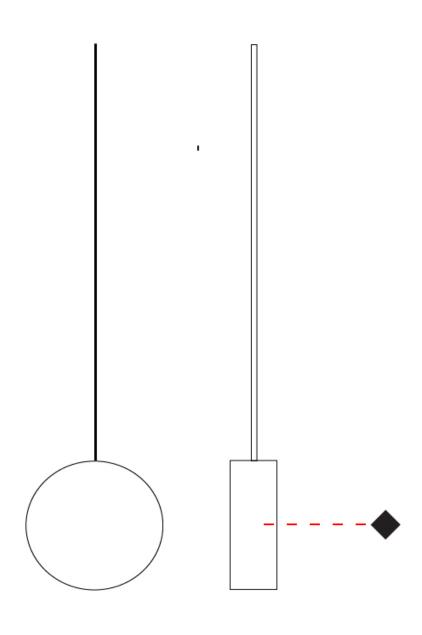






D131057-

| PROJECT |
|-----------|
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |







D131113-

base number

Options

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: Do Not Disturb | |
|----------------------------|---|
| Brand: Knikerboker | _ |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

| ous category in misient | |
|---------------------------------------|--|
| PHYSICAL | |
| Shape: Round | |
| Length (mm): 300 | |
| Length (in): 11 13/16 | |
| Width (mm): 45 | |
| Width (in): 1 3/4 | |
| Light Distribution: Direct / Indirect | |
| Diffuser: Opal | |
| | |

Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL Fixture Material: Metal

Cable Details: Silicon Coaxial Cable 1500mm / 59 1/16"

ELECTRICAL

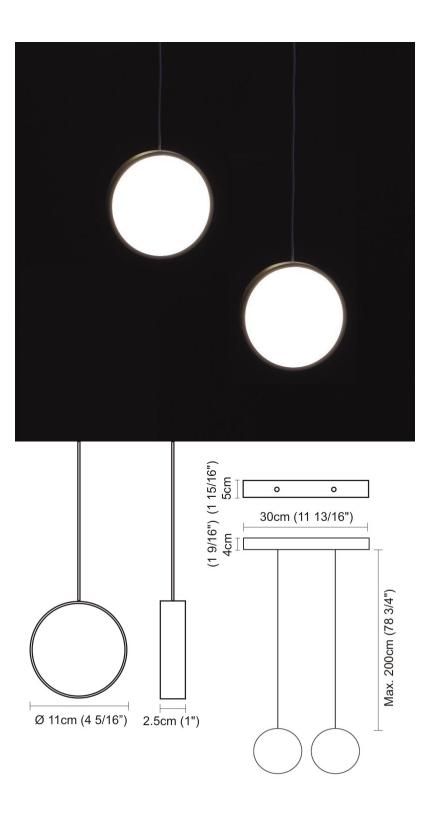
| Lamp Type: LED |
|--|
| Input Wattage (W): 16 |
| Total Output Wattage (W): 14 |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only) |
| Driver Included: Yes |
| Driver Type: Constant Voltage - 120 / 277Vac |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| Upon Request: 0-10Vdc dimming / Phase dimming @120Vac only / |
| |

| LED |
|---------------------------------|
| Number of LEDs: 2 |
| Color Temperature (°K): 3000 |
| Max. Delivered Lumen (lm): 2000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |
| |

OPTICAL

RATINGS AND CERTIFICATIONS

| PROJECT | | | |
|-----------|--|--|--|
| TYPE | | | |
| SPECIFIER | | | |
| QUANTITY | | | |
| DATE | | | |

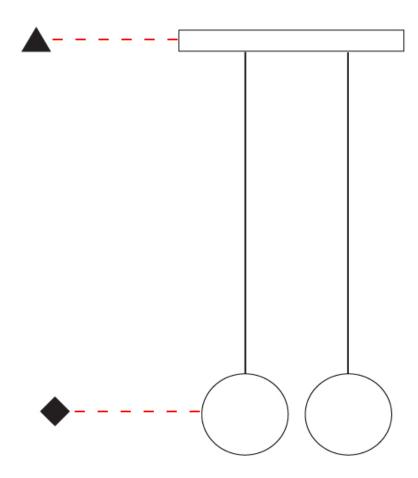






D131113-

| PROJECT | |
|-----------|---|
| ТҮРЕ | _ |
| SPECIFIER | _ |
| QUANTITY | _ |
| DATE | _ |







D131117-

base number

Options

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: Do Not Disturb | |
|----------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

| Subcategory: Ambient |
|---|
| PHYSICAL |
| Shape: Round |
| Length (mm): 550 |
| Length (in): 21 ⁵ / ₈ |
| Width (mm): 50 |
| Width (in): 2 |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Fixture Material: Aluminum |
| |

Cable Details: Silicon Coaxial Cable 1500mm / 59 1/16"

ELECTRICAL

| ELECTRICAL |
|--|
| Lamp Type: LED |
| Input Wattage (W): 32 |
| Total Output Wattage (W): 28 |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| |

Output Voltage (V): 24

Upon Request: (Not included - see components) Remote: Phase dimming @120Vac only / (Included) Integral: 0-10Vdc dimming / 277Vac

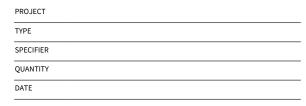
Number of LEDs: 4 Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 4000 CRI: >85 CRI Lamp Life (hrs): 50000

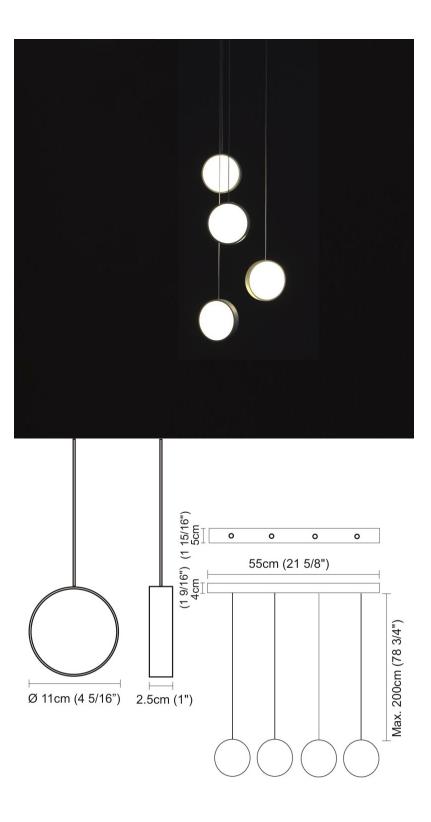
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20



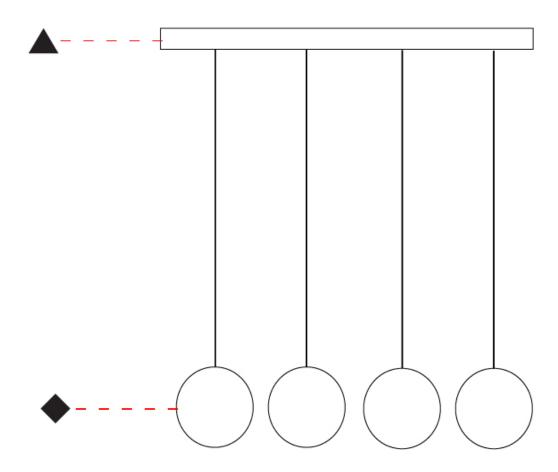






D131117-

| PROJECT | | | |
|-----------|--|--|--|
| TYPE | | | |
| SPECIFIER | | | |
| QUANTITY | | | |
| DATE | | | |







D131121-

base number

Options

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: Do Not Disturb | |
|----------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

| Subcategory: Ambient |
|---|
| PHYSICAL |
| Shape: Round |
| Diameter (mm): 245 |
| Diameter (in): 9 ½ |
| Height (mm): 1500 |
| Height (in): 59 ½ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Firetura Matarial, Alumainum |

Fixture Material: Aluminum

Cable Details: Silicon Coaxial Cable 1500mm / 59 1/16"

ELECTRICAL

| Lamp Type: LED |
|--|
| Input Wattage (W): 40 |
| Total Output Wattage (W): 35 |
| Dimming: Non-Dimmable |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| Upon Request: Remote: Phase dimming @120Vac only / Integral: |
| 0-10Vdc dimming |

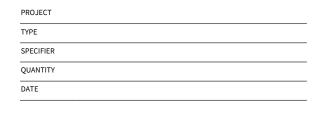
| L | .ED |
|---|---------------------------------|
| Ν | Number of LEDs: 5 |
| | Color Temperature (°K): 3000 |
| Ν | Max. Delivered Lumen (lm): 5000 |
| (| CRI: >85 CRI |
| L | amp Life (hrs): 50000 |

OPTICAL

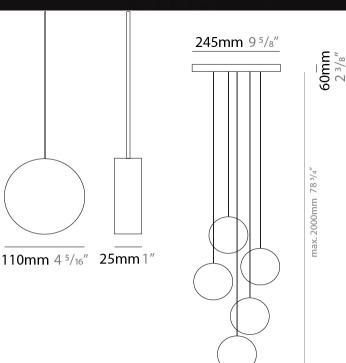
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20





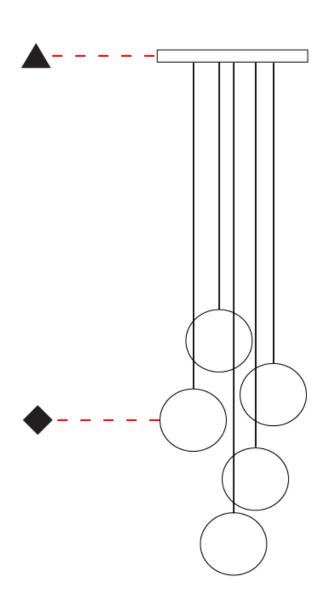






D131121-

| PROJECT | |
|-----------|--|
| ТУРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |





ZANEEN_®

DO NOT DISTURB SUSPENSION

D131125-

base number

Options

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: Do Not Disturb | |
|----------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

| PHYSICAL |
|---|
| Shape: Round |
| Diameter (mm): 900 |
| Diameter (in): 35 ⁷ / ₁₆ |
| Max. Overall Height (mm): 2000 |
| Max. Overall Height (in): 78 ¾ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| |

Fixture Material: Aluminum

Cable Details: Silicon Coaxial Cable 10 Cables Of 1500mm / 59 1/16" 10 Cables Of 2000mm / 78 3/4"

ELECTRICAL

| Lamp Type: LED |
|---|
| Input Wattage (W): 160 |
| Total Output Wattage (W): 140 |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| Upon Request: (Not included - see components) Remote: Phase |

dimming @120Vac only / (Included) Integral: 0-10Vdc dimming / 277Vac LED

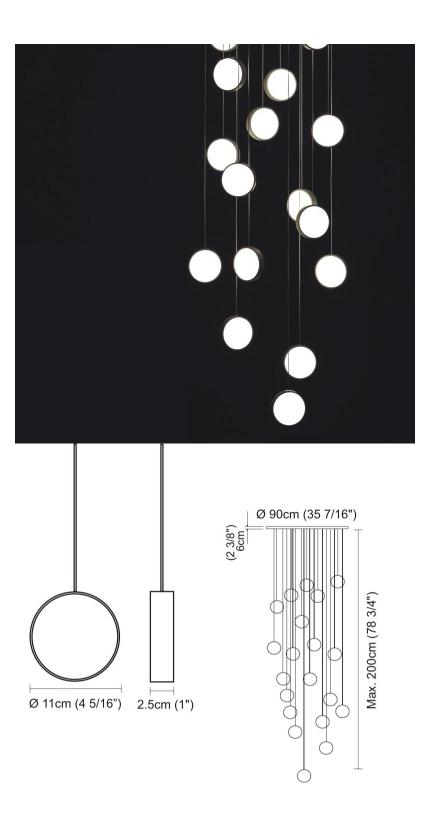
| LED |
|---------------------------------|
| Number of LEDs: 20 |
| Color Temperature (°K): 3000 |
| Max. Delivered Lumen (lm): 2000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |
| |

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT TYPE SPECIFIER QUANTITY DATE

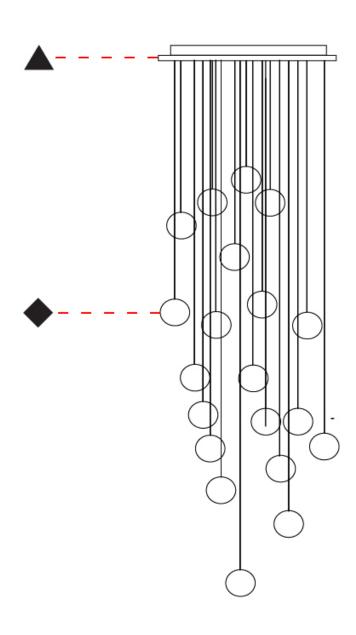






D131125-

| PROJECT | |
|----------|---|
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| PECIFIER | |
| QUANTITY | _ |
| DATE | |







D131561-

base number

Options

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: Do Not Disturb | |
|----------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Pendant | |

| PHYSICAL |
|---|
| Shape: Round |
| Diameter (mm): 500 |
| Diameter (in): 19 11/16 |
| Extension (mm): 1500 |
| Extension (in): 59 ½ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |

Fixture Material: Aluminum

Cable Details: Silicion Coaxial Cable 1500 / 59 1/16

ELECTRICAL

| Lamp Type: LED |
|---|
| Input Wattage (W): 80 |
| Total Output Wattage (W): 70 |
| Dimming: Non-Dimmable / 0-10V Dimming |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - Universal |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Output Voltage (V): 24 |
| |

| LED |
|----------------------------------|
| Number of LEDs: 10 |
| Color Temperature (°K): 3000 |
| Max. Delivered Lumen (lm): 10000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |
| |

OPTICAL

RATINGS AND CERTIFICATIONS

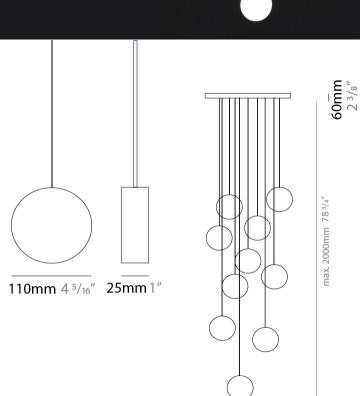
Certified By: CSA Certified to UL and CSA Standards

Upon Request: Remote: Phase dimming @120Vac only

IP rating: IP20

PROJECT TYPE SPECIFIER QUANTITY DATE



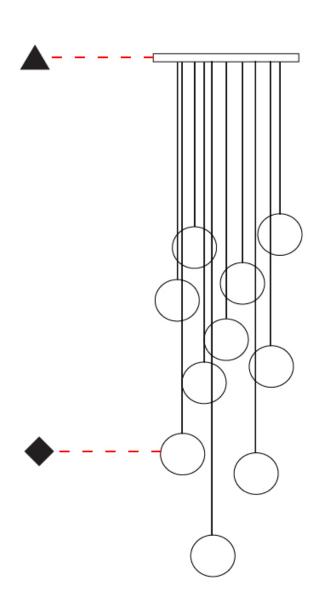






D131561-

| PROJECT | |
|-----------|---|
| TYPE | _ |
| SPECIFIER | |
| QUANTITY | |
| DATE | |





ZANEEN®

DO NOT DISTURB SURFACE

D133027-

base number

Options

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 #

| |
|-------------------------|
| Series: Do Not Disturb |
| Brand: Knikerboker |
| Division: Design |
| Mounting Type: Surface |
| Mounting Location: Wall |
| Subcategory: Ambient |
| |

| Division: Design |
|---|
| Mounting Type: Surface |
| Mounting Location: Wall |
| Subcategory: Ambient |
| PHYSICAL |
| Shape: Round |
| Diameter (mm): 110 |
| Diameter (in): 4 ⁵ / ₁₆ |
| Length (mm): 30 |
| Length (in): $1\frac{3}{16}$ |
| Width (mm): 25 |
| Width (in): 1 |
| Height (mm): 162 |
| Height (in): $6\frac{3}{8}$ |
| Extension (mm): 255 |
| Extension (in): 10 ½ |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Fixture Material: Metal |
| |

ELECTRICAL

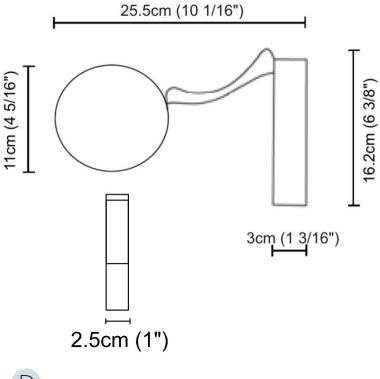
| LED |
|---------------------------------|
| Number of LEDs: 1 |
| Color Temperature (°K): 3000 |
| Max. Delivered Lumen (lm): 1000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |
| |

OPTICAL

RATINGS AND CERTIFICATIONS

| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |





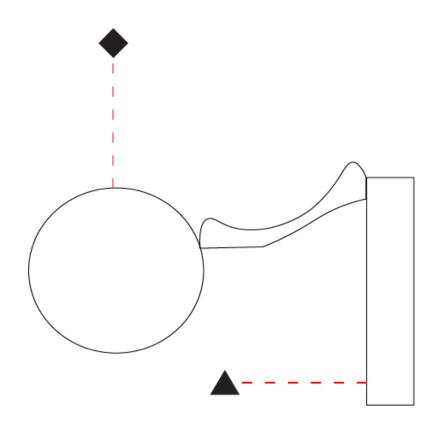




DO NOT DISTURB SURFACE

D133027-

| PROJECT |
|-----------|
| ТУРЕ |
| SPECIFIER |
| QUANTITY |
| DATE |







D134019-

base number

Options

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: Do Not Disturb Brand: Knikerboker Division: Design Mounting Type: Portable Mounting Location: Table

Subcategory: Table PHYSICAL Shape: Round Length (mm): 110 Length (in): 4 1/16 Width (mm): 30 Width (in): 1 1/16 Height (mm): 140 Height (in): $5\frac{1}{2}$ Light Distribution: Direct / Indirect Diffuser: Opal Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL

Fixture Material: Metal

ELECTRICAL Lamp Type: LED Total Output Wattage (W): 8 Dimming: Non-Dimmable Driver Included: Yes Driver Location: Integrated Driver Type: Constant Voltage 120Vac Driver Class: Class 2 Input Voltage (V): 120 Output Voltage (V): 24

LED

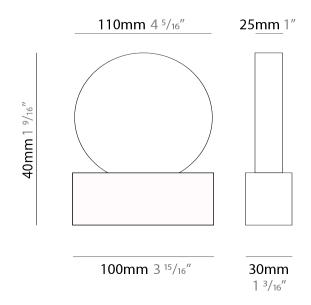
Number of LEDs: 1 Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 1000 CRI: >85 CRI

OPTICAL

RATINGS AND CERTIFICATIONS





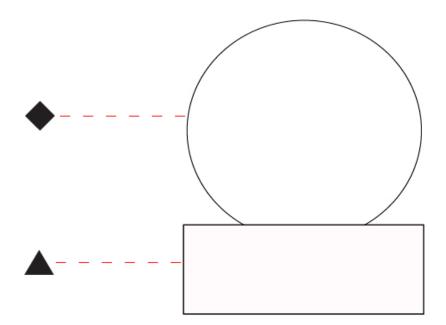






D134019-

| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







D134023-

base number

Options

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: Do Not Disturb | |
|--------------------------|--|
| Brand: Knikerboker | |
| Division: Design | |
| Mounting Type: Portable | |
| Mounting Location: Table | |
| Subcategory: Table | |

| Mounting Type: Portable |
|---|
| Mounting Location: Table |
| Subcategory: Table |
| PHYSICAL |
| Shape: Round |
| Length (mm): 185 |
| Length (in): $7\frac{5}{16}$ |
| Width (mm): 30 |
| Width (in): 1 ³ / ₁₆ |
| Height (mm): 245 |
| Height (in): 9 1/8 |
| Light Distribution: Direct / Indirect |
| Diffuser: Opal |
| Fixture Finish: EWH / EBK / MAN / COF / PRD / SLF / GLF / CLF / BRL |
| Fixture Material: Metal |
| TI TOTALO |

| ELECTRICAL |
|--|
| Lamp Type: LED |
| Input Wattage (W): 8 |
| Total Output Wattage (W): 7 |
| Dimming: Non-Dimmable |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Voltage - 120Vac |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| LED |

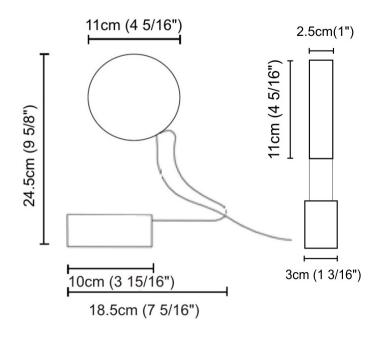
| Output Voltage (V): 24 |
|---------------------------------|
| LED |
| Number of LEDs: 1 |
| Color Temperature (°K): 3000 |
| Max. Delivered Lumen (lm): 1000 |
| CRI: >85 CRI |
| Lamp Life (hrs): 50000 |

OPTICAL

RATINGS AND CERTIFICATIONS

| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |



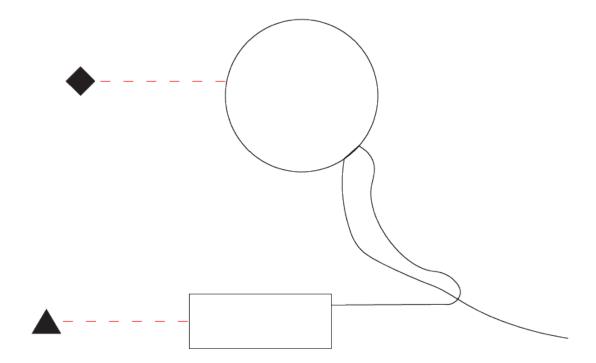






D134023-

| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







DO NOT DISTURB

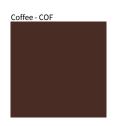
| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |

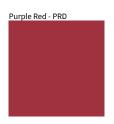
Fixture Finish



















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.





DO NOT DISTURB

LEGEND

| | | | | | special LED (upon request) PGB_PGBW_tunable |
|-----------------------|--|----------|--|------------|--|
| <u></u> | floor-mounted | ¥ | pivotable | ⊛ | special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+ |
| 7 | wall and ceiling: recessed and surface mounted | C | rotating | 0 | warm dim / natural dimming LED |
| $\overline{\uparrow}$ | ceiling-mounted and wall-mounted | Œ | illuminate tilted | 0 | rechargeable battery powered |
| \rightarrow | wall-mounted | I | color of suspension cable | | fixture with natural vivid LED (upon request) |
| Y | omni-directional light distribution | 1 | length of suspension cable | CRI | color rendering index |
| $\dot{\Delta}$ | direct light distribution | | reflector degree selection | (K) | color temperature |
| X | direct/indirect light distribution | s s | super spot | LM | lumen (luminous flux) |
| Y | indirect light distribution | * | lens | ₩ | efficacy (lumens per watt) |
| | asymmetric light distribution | 8 | lens pack | UGR | Unified Glare Rating (UGR) range from 5-40 |
| | aura light distribution | 0 | shine ring | * | marine grade (AISI 316 stainless steel) |
| R | round wall or ceiling cut-out | 0 | integrated shine ring with diffuser | 3 | walk on |
| Z) | square wall or ceiling cut-out | | free individual colors 01-29 | ② | drive on |
| 4 | the supplied jig specifies the cutout dimensions | Ĉ | individual colors: 00 (free of charge), 01-25 (extra charge) | DSC | Dark Sky Compliance |
| □ ←,→ | minimum distance (meters) lamp - object | ♦ | luminaire part to be colored (F1) | Ġ | Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor) |
| $\hat{\pm}$ | recessed depth | | luminaire part to be colored (F2) | | lamp protected against explosion |
| <u></u> | ceiling thickness in mm | • | luminaire part to be colored (F3) | | blown glass using traditional methods by master glass blower |
| 1 | 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 |
| C. CO | included or excluded LED driver/transformer/ control gear | • | color of 3-circuit adaptor | | protection class II, protection insulation |
| 8 | separately switchable | \odot | indirect diffuser | . . | ETL Certified to UL and CSA Standards |
| 9 | sensor | 0 | direct diffuser | շ (Մը) us | UL Certified to UL and CSA Standards |
| | remote control | (1) | ball-proof (upon request) | ® : | CSA Certified to UL and CSA Standards |
| 9 | available upon request | O | accessory | ② | 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

above the surface)

| | anaphotic (in the College of the Col |
|------|--|
| IK02 | protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface) |
| ІКОЗ | 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) $$ |
| IKOB | protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface) $$ |
| IK09 | protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface) |

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm