# **CONFUSIONE SUSPENSION**

## **D131000**

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**

| Q                          |
|----------------------------|
| Series: Confusione         |
| Brand: Knikerboker         |
| Division: Design           |
| Mounting Type: Suspension  |
| Mounting Location: Ceiling |
| Subcategory: Ambient       |
|                            |

| Mounting Location: Ceiling            |  |
|---------------------------------------|--|
| Subcategory: Ambient                  |  |
| PHYSICAL                              |  |
| Shape: Curves                         |  |
| Diameter (mm): 750                    |  |
| Diameter (in): 29 ½                   |  |
| Height (mm): 1500                     |  |
| Height (in): 59 ½                     |  |
| Max. Overall Height (mm): 1500        |  |
| Max. Overall Height (in): 59 ½        |  |
| Light Distribution: Direct / Indirect |  |
| Fixture Finish: ANA                   |  |
| Fixture Material: Anodized Aluminum   |  |
| Cable Details: 3 Steel Cable 2000mm   |  |
|                                       |  |

| Cable Details: 3 Steel Cable 2000mm  |
|--|
| ELECTRICAL   |
| Number of Lamps: 10  |
| Lamp Type: LED   |
| Bulb Included: Bulb Included   |
| Total Output Wattage (W): 10   |
| Max. Wattage Per Lamp (W): 1   |
| Lamp Base: G4  |
| Dimming: Non-Dimmable  |
| Driver Included: Yes   |
| Driver Location: Integrated  |
| Driver Type: Constant Voltage - 120Vac   |
| Driver Class: Class 2  |
| Input Voltage (V): 120 - 277   |
| Output Voltage (V): 12   |
| Lamp Voltage (V): 12   |
| Upon Request: (Not included - see components) Remote: 0-10Vdc<br>dimming / Phase dimming @120Vac only / 277Vac |

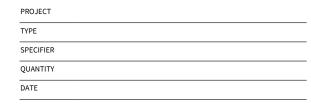
## LED

| Number of LEDs: 10             |  |
|--------------------------------|--|
| Color Temperature (°K): 3000   |  |
| Max. Delivered Lumen (lm): 800 |  |
| CRI: >80 CRI                   |  |

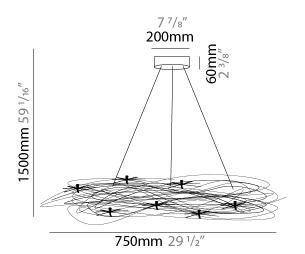
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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





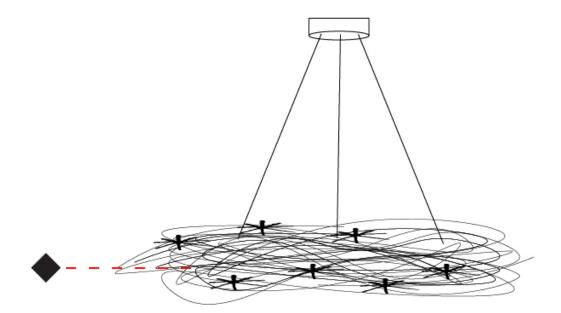






# **CONFUSIONE SUSPENSION**

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





# **ZANEEN**<sub>®</sub>

# **CONFUSIONE SUSPENSION**

## D131001

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: Confusione         |
|----------------------------|
| Brand: Knikerboker         |
| Division: Design           |
| Mounting Type: Suspension  |
| Mounting Location: Ceiling |
| Subcategory: Ambient       |
|                            |

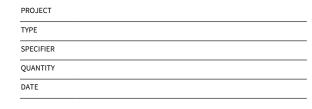
| Mounting Location: Ceiling                    |
|---|
| Subcategory: Ambient                          |
| PHYSICAL                                      |
| Shape: Curves                                 |
| Diameter (mm): 1000                           |
| Diameter (in): 39 <sup>3</sup> / <sub>8</sub> |
| Height (mm): 1500                             |
| Height (in): 59 ½                             |
| Max. Overall Height (mm): 1500                |
| Max. Overall Height (in): 59 1/16             |
| Light Distribution: Direct / Indirect         |
| Fixture Finish: ANA                           |
| Fixture Material: Anodized Aluminum           |
| Cable Details: 3 Steel Cable 2000mm           |
|   |

| Cable Details: 3 Steel Cable 2000mm  |
|--|
| ELECTRICAL   |
| Number of Lamps: 15  |
| Lamp Type: LED   |
| Bulb Included: Bulb Included   |
| Total Output Wattage (W): 15   |
| Max. Wattage Per Lamp (W): 1   |
| Lamp Base: G4  |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)   |
| Driver Included: Yes   |
| Driver Location: Integrated  |
| Driver Type: Constant Voltage - 120Vac   |
| Driver Class: Class 2  |
| Input Voltage (V): 120 - 277   |
| Output Voltage (V): 12   |
| Lamp Voltage (V): 12   |
| Upon Request: (Not included - see components) Remote: 0-10Vdc<br>dimming / Phase dimming @120Vac only / 277Vac |

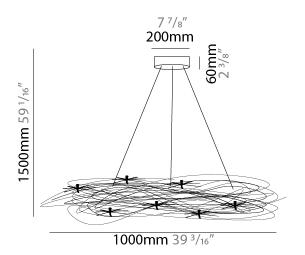
| dimming / Phase dimming @120Vac only / 277Vac |
|---|
| LED   |
| Number of LEDs: 15                            |
| Color Temperature (°K): 3000                  |
| Max. Delivered Lumen (lm): 1200               |
| CRI: >80 CRI                                  |
| OPTICAL                                       |

### RATINGS AND CERTIFICATIONS

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





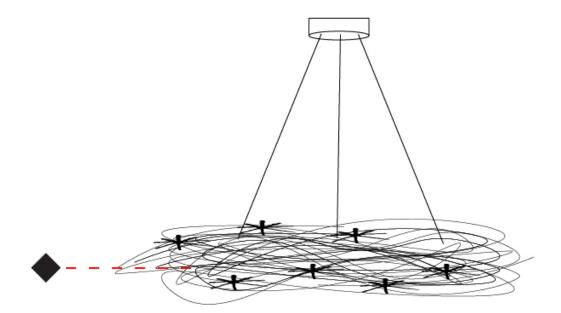






# **CONFUSIONE SUSPENSION**

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





## **CONFUSIONE SURFACE**

## D132069

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: Confusione         |
| Brand: Knikerboker         |
| Division: Design           |
| Mounting Type: Surface     |
| Mounting Location: Ceiling |
| Subcategory: Ambient       |
|                            |

#### **PHYSICAL**

|  | Shape: Curves                         |
|--|---------------------------------------|
|  | Diameter (mm): 500                    |
|  | Diameter (in): 16 11/16               |
|  | Light Distribution: Direct / Indirect |
|  | Fixture Finish: ANA                   |
|  | Fixture Material: Anodized Aluminum   |

| Diameter (in): 16 <sup>11</sup> / <sub>16</sub>      |
|--|
| Light Distribution: Direct / Indirect                |
| Fixture Finish: ANA                                  |
| Fixture Material: Anodized Aluminum                  |
| ELECTRICAL   |
| Number of Lamps: 10                                  |
| Lamp Type: LED                                       |
| Input Wattage (W): 12                                |
| Bulb Included: Bulb Included                         |
| Total Output Wattage (W): 10                         |
| Max. Wattage Per Lamp (W): 1                         |
| Lamp Base: G4  |
| 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): 12                               |
|  |

dimming 277Vac

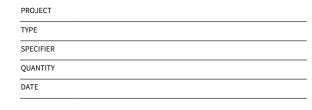
Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 800 CRI: >80 CRI

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

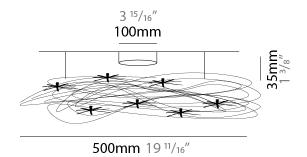
#### OPTICAL

## **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards



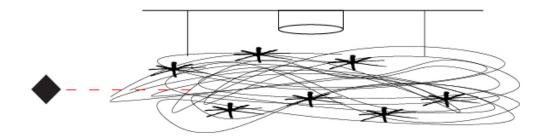








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# **CONFUSIONE SURFACE**

## D132070

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: Confusione         |
| Brand: Knikerboker         |
| Division: Design           |
| Mounting Type: Surface     |
| Mounting Location: Ceiling |
| Subcategory: Ambient       |
|                            |

#### **PHYSICAL**

| Shape: Curves                         |  |
|---------------------------------------|--|
| Diameter (mm): 750                    |  |
| Diameter (in): 29 ½                   |  |
| Light Distribution: Direct / Indirect |  |
| Fixture Finish: ANA                   |  |
| Fixture Material: Anadized Aluminum   |  |

| Fixture Finish: ANA   |
|---|
| Fixture Material: Anodized Aluminum   |
| ELECTRICAL  |
| Number of Lamps: 10   |
| Lamp Type: LED  |
| Input Wattage (W): 12   |
| Bulb Included: Bulb Included  |
| Total Output Wattage (W): 10  |
| Max. Wattage Per Lamp (W): 1  |
| Lamp Base: G4   |
| 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): 12  |
| Lamp Voltage (V): 12  |
| Upon Request: (Not included - see components) Remote: 0-10Vdc<br>dimming / Phase dimming @120Vac only / (Included) Integral: Non-<br>dimming 277Vac |

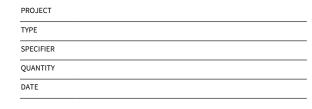
# LED

| Color Temperature (°K): 3000   |  |
|--------------------------------|--|
| Max. Delivered Lumen (lm): 800 |  |
| CRI: >80 CRI                   |  |

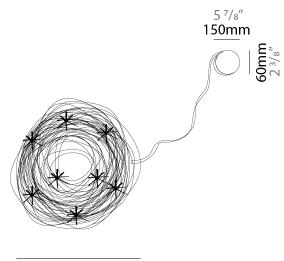
#### OPTICAL

### RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$ 







750mm 29 1/2"





D132070

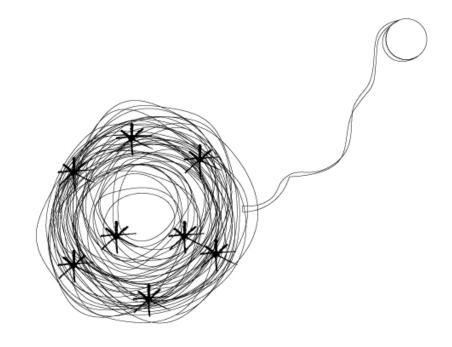
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE





# **CONFUSIONE SURFACE**

## D132071

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

| CENERAL                    |
|----------------------------|
| Series: Confusione         |
| Brand: Knikerboker         |
| Division: Design           |
| Mounting Type: Surface     |
| Mounting Location: Ceiling |
| Subcategory: Ambient       |
|                            |

#### **PHYSICAL**

| Shape: Curves                                 |  |
|---|--|
| Diameter (mm): 1000                           |  |
| Diameter (in): 39 <sup>3</sup> / <sub>8</sub> |  |
| Light Distribution: Direct / Indirect         |  |
| Fixture Finish: ANA                           |  |
| Fixture Material: Anodized Aluminum           |  |

| Fixture Material: Anodized Aluminum   |
|---|
| ELECTRICAL  |
| Number of Lamps: 15   |
| Lamp Type: LED  |
| nput Wattage (W): 18  |
| Bulb Included: Bulb Included  |
| Total Output Wattage (W): 15  |
| Max. Wattage Per Lamp (W): 1  |
| Lamp Base: G4   |
| Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)  |
| Driver Included: Yes  |
| Driver Location: Integrated   |
| Driver Type: Constant Voltage - Universal   |
| Driver Class: Class 2   |
| nput Voltage (V): 120 - 277   |
| Output Voltage (V): 12  |
| Upon Request: (Not included - see components) Remote: 0-10Vdc<br>dimming / Phase dimming @120Vac only / (Included) Integral: Non- |

## LED

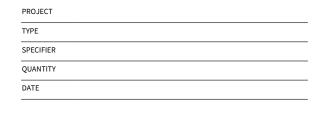
dimming 277Vac

| Color Temperature (°K): 3000    |  |
|---------------------------------|--|
| Max. Delivered Lumen (lm): 1200 |  |
| CRI: >80 CRI                    |  |
|                                 |  |

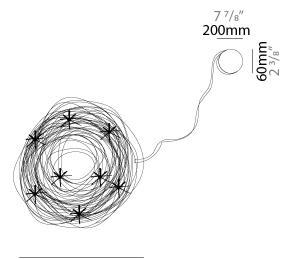
#### OPTICAL

## RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$ 







1000mm 39 3/16"





D132071

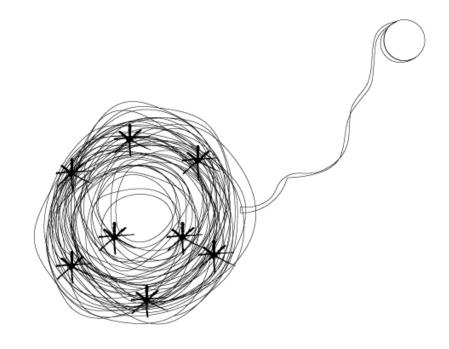
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE





# **CONFUSIONE SURFACE**

## D133083

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

|  | CENERAL                 |
|--|-------------------------|
|  | Series: Confusione      |
|  | Brand: Knikerboker      |
|  | Division: Design        |
|  | Mounting Type: Surface  |
|  | Mounting Location: Wall |
|  | Subcategory: Ambient    |
|  |                         |

#### **PHYSICAL**

| Shape: Curves                         |  |
|---------------------------------------|--|
| Diameter (mm): 750                    |  |
| Diameter (in): 29 ½                   |  |
| Light Distribution: Direct / Indirect |  |
| Fixture Finish: ANA                   |  |
| Fixture Material, Anadized Aluminum   |  |

| Fixture Material: Anodized Aluminum   |
|---|
| ELECTRICAL  |
| Number of Lamps: 10   |
| Lamp Type: LED  |
| Input Wattage (W): 12   |
| Bulb Included: Bulb Included  |
| Total Output Wattage (W): 10  |
| Max. Wattage Per Lamp (W): 1  |
| Lamp Base: G4   |
| 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): 12  |
| Upon Request: (Not included - see components) Remote: 0-10Vdc<br>dimming / Phase dimming @120Vac only / (Included) Integral: Non- |

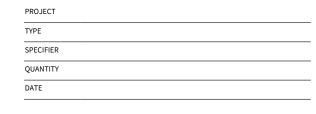
## LED

dimming 277Vac

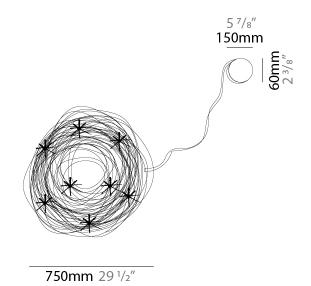
| OPTICAL                        |  |
|--------------------------------|--|
| CRI: >80 CRI                   |  |
| Max. Delivered Lumen (lm): 800 |  |
| Color Temperature (*K): 3000   |  |

# RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





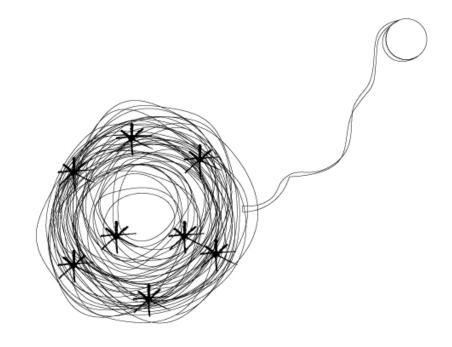






D133083

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE





# **CONFUSIONE PORTABLE**

## D134048

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

| OLIVE CONTRACTOR CONTR |  |
|--|--|
| Series: Confusione   |  |
| Brand: Knikerboker   |  |
| Division: Design   |  |
| Mounting Type: Portable  |  |
| Mounting Location: Floor   |  |
| Subcategory: Floor   |  |

| mounting Type: Fortable                                |
|--|
| Mounting Location: Floor                               |
| Subcategory: Floor                                     |
| PHYSICAL   |
| Shape: Curves  |
| Length (mm): 1400                                      |
| Length (in): 55 1/8                                    |
| Width (mm): 300  |
| Width (in): 11 <sup>13</sup> / <sub>16</sub>           |
| Height (mm): 1800                                      |
| Height (in): 70 1/8                                    |
| Light Distribution: Direct / Indirect                  |
| Fixture Finish: ANA                                    |
| Fixture Material: Anodized Aluminum                    |
| Cable Details: Anodized Aluminum Wire 1400mm / 55 1/8" |
| Upon Request: Bolt Down                                |
| ELECTRICAL   |
| Newskap of Large 40                                    |

| Upon Request: Bolt Down                   |
|---|
| ELECTRICAL                                |
| Number of Lamps: 40                       |
| Lamp Type: LED                            |
| Input Wattage (W): 48                     |
| Bulb Included: Bulb Included              |
| Total Output Wattage (W): 40              |
| Max. Wattage Per Lamp (W): 1              |
| Lamp Base: G4                             |
| 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): 12                    |
| Lamp Voltage (V): 12                      |
| Upon Request: Integral Non-dimming 277Vac |
| LED                                       |

| ORTICAL                         |  |
|---------------------------------|--|
| CRI: >80 CRI                    |  |
| Max. Delivered Lumen (lm): 3200 |  |
| Color Temperature (°K): 3000    |  |
| LED                             |  |

#### OPTICAL

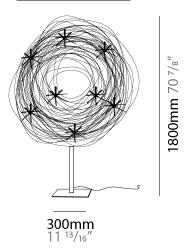
#### RATINGS AND CERTIFICATIONS

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





## 1400mm 55 1/8"

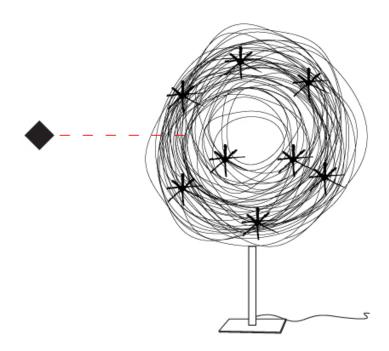






# **CONFUSIONE PORTABLE**

| PROJECT   |  |
|-----------|--|
| YPE       |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |





# **CONFUSIONE PORTABLE**

## D134049

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: Confusione       |  |
|--------------------------|--|
| Brand: Knikerboker       |  |
| Division: Design         |  |
| Mounting Type: Portable  |  |
| Mounting Location: Floor |  |
| Subcategory: Floor       |  |

| Subcategory: Floor                           |
|--|
| PHYSICAL                                     |
| Shape: Curves                                |
| Length (mm): 2000                            |
| Length (in): 78 ¾                            |
| Width (mm): 300                              |
| Width (in): 11 <sup>13</sup> / <sub>16</sub> |
| Height (mm): 2400                            |
| Height (in): 94 ½                            |
| Light Distribution: Direct / Indirect        |
| Fixture Finish: ANA                          |
| Fixture Material: Anodized Aluminum          |
| Upon Request: Bolt Down                      |
|  |

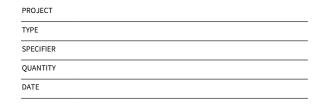
| Fixture Material: Anodized Aluminum       |
|---|
| Upon Request: Bolt Down                   |
| ELECTRICAL                                |
| Number of Lamps: 50                       |
| Lamp Type: LED                            |
| Input Wattage (W): 60                     |
| Bulb Included: Bulb Included              |
| Total Output Wattage (W): 50              |
| Max. Wattage Per Lamp (W): 1              |
| Lamp Base: G4                             |
| 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): 12                    |
| Lamp Voltage (V): 12                      |
| Upon Request: Integral Non-dimming 277Vac |
| LED                                       |
| Color Temperature (°K): 3000              |

| Color Temperature (°K): 3000    |  |
|---------------------------------|--|
| Max. Delivered Lumen (lm): 4000 |  |
| CRI: >80 CRI                    |  |

#### OPTICAL

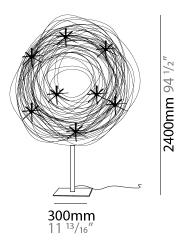
### RATINGS AND CERTIFICATIONS

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





# 2000mm 78 3/4"

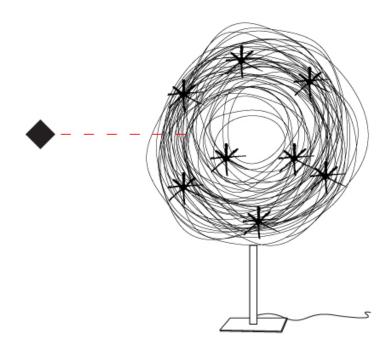






# **CONFUSIONE PORTABLE**

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







# **CONFUSIONE**

COLOR FINISH CHART

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

#### **Fixture Finish**

Aluminum Natural Anodized - ANA

**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.







# **CONFUSIONE**

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

# **LEGEND**

|                       |  |          |  |            | special LED (upon request) PGB_PGBW_tunable  |
|-----------------------|--|----------|--|------------|--|
| <u></u>               | floor-mounted  | ¥        | pivotable  | ⊛          | special LED (upon request) RGB, RGBW, tunable,<br>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                          | <b>3</b>   | walk on  |
| Z)                    | square wall or ceiling cut-out                               |          | free individual colors 01-29                                 | <b>②</b>   | 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  |
| <b>□</b> ←,→          | minimum distance (meters) lamp - object                      | <b>♦</b> | 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)                            | <b>●</b> ® | 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/<br>control gear | •        | color of 3-circuit adaptor                                   |            | protection class II, protection insulation   |
| 8                     | separately switchable  | $\odot$  | indirect diffuser  | . <b>.</b> | ETL Certified to UL and CSA Standards  |
| <b>9</b>              | sensor   | 0        | direct diffuser  | շ (Մը) us  | UL Certified to UL and CSA Standards   |
|                       | remote control   | (1)      | ball-proof (upon request)                                    | <b>®</b> : | CSA Certified to UL and CSA Standards  |
| 9                     | available upon request                                       | O        | accessory  | <b>②</b>   | 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<br>protected against jets of water  |
| IP66 | protected against ingress of dust<br>protected against powerful jets of water or heavy seas   |
| IP67 | protected against ingress of dust<br>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)

| IK02        | protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)   |
|-------------|---|
| <b>ІКОЗ</b> | 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)  |
| 1K06        | 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