

SUSPENSION

D1010003-

DESCRIPTION

Moonlight Ø400mm / 15 3/4" x H.2000mm / 78 3/4" - Suspension - 7.2W LED - 2700K, CRI>90

GENERAL

| Series: Moonlight | |
|----------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |

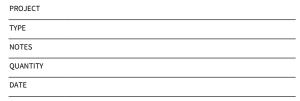
| Mounting Type: Suspension |
|---|
| Mounting Location: Ceiling |
| Subcategory: Ambient |
| PHYSICAL |
| Shape: Abstract |
| Diameter (mm): 400 |
| Diameter (in): 15 $\frac{3}{4}$ |
| Width (mm): 43 |
| Width (in): 1 11/16 |
| Height (mm): 400 |
| Height (in): 15 ³ / ₄ |
| Max. Overall Height (mm): 2400 |
| Max. Overall Height (in): 94 ½ |
| Light Distribution: Omnidirectional |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| Cable Details: 2000mm Cable |
| FIFETDICAL |

| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
|--|
| Fixture Material: Aluminum |
| Cable Details: 2000mm Cable |
| ELECTRICAL |
| Input Wattage Range: 1 - 9 W |
| Lamp Type: LED |
| Input Wattage (W): 7.2 |
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| Upon Request: 0-10V Dimming |
| LED |

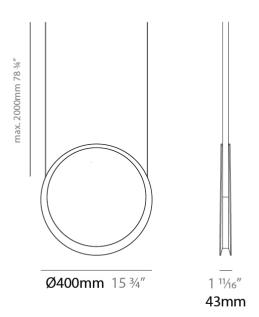
LED

| Color Temperature (°K): 2700 | |
|------------------------------|--|
| Nominal Lumen (lm): 504 | |
| CRI: >90 CRI | |
| Lamp Life (hrs): 50000 | |

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











SUSPENSION

D1010005-

DESCRIPTION

Moonlight ØSuspension - 500mm/19 11/16" x 2000mm/78 3/4" - 1 x 9.8W LED Strip, 2700K, CRI>90

GENERAL

| Series: Moonlight | |
|----------------------------|---|
| Brand: Quasar | |
| Division: Design | |
| Mounting Type: Suspension | |
| Mounting Location: Ceiling | |
| Subcategory: Ambient | |
| | _ |

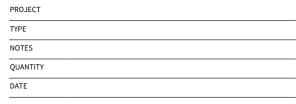
| Mounting Location: Ceiling |
|---|
| Subcategory: Ambient |
| PHYSICAL |
| Shape: Abstract |
| Diameter (mm): 500 |
| Diameter (in): 19 11/16 |
| Height (mm): 500 |
| Height (in): 19 11/16 |
| Max. Overall Height (mm): 2500 |
| Max. Overall Height (in): 98 $\frac{7}{16}$ |
| Light Distribution: Omnidirectional |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| Cable Details: 2000mm Cable |
| FI FCTDICAL |

| FIXTURE FITTISTI. ALO / BRA / BRZ / FOS / LOT | |
|--|--|
| Fixture Material: Aluminum | |
| Cable Details: 2000mm Cable | |
| ELECTRICAL | |
| Input Wattage Range: 1 - 9 W | |
| Lamp Type: LED | |
| Input Wattage (W): 9.8 | |
| Dimming: Non-Dimming / Phase Dimming (120vac Only) | |
| Driver Included: Yes | |
| Driver Location: Integrated | |
| Driver Class: Class 2 | |
| Input Voltage (V): 120 | |
| Output Voltage (V): 24 | |
| Upon Request: 0-10V Dimming | |
| | |

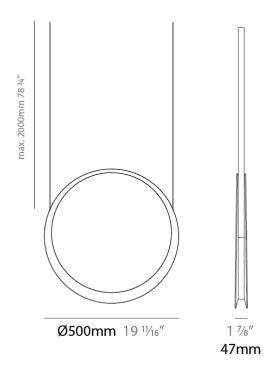
LED

| Lamp Life (hrs): 50000 | |
|------------------------------|--|
| CRI: >90 CRI | |
| Nominal Lumen (lm): 637 | |
| Color Temperature (*K): 2700 | |

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











D109141-

DESCRIPTION

Moonlight Wall Canopy

GENERAL

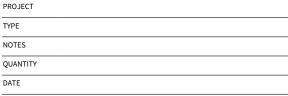
| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| Subcategory: Modular Systems |
|---|
| PHYSICAL |
| Shape: Abstract |
| Diameter (mm): 130 |
| Diameter (in): $5\frac{1}{4}$ |
| Height (mm): 130 |
| Depth (mm): 60 |
| Height (in): $5\frac{1}{8}$ |
| Depth (in): 2 3/8 |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| |

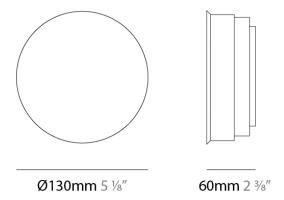
| ELECTRICAL |
|--|
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: No |
| Driver Location: Remote |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| |

RATINGS AND CERTIFICATIONS

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











D109142-

| DESCRIPTION | | |
|-------------------------|--|--|
| Moonlight Wall Fixation | | |

GENERAL

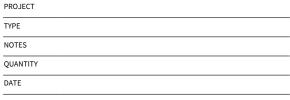
| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |
| | |

| Division: Design |
|--|
| Mounting Location: Ceiling |
| Subcategory: Modular Systems |
| PHYSICAL |
| Shape: Abstract |
| Diameter (mm): 30 |
| Diameter (in): 1 $\frac{3}{16}$ |
| Height (mm): 30 |
| Depth (mm): 50 |
| Height (in): 1 ¹³ / ₁₆ |
| Depth (in): 1 15/16 |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| |

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







Ø30mm 1 3/16"



50mm 1 15/16"





D109143-

DESCRIPTION

Moonlight Recessed Mounting Set

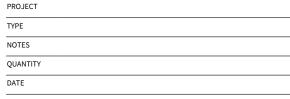
GENERAL

IP rating: IP20

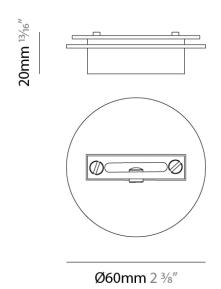
| CENTENAL |
|------------------------------|
| Series: Moonlight |
| Brand: Quasar |
| Division: Design |
| Mounting Location: Ceiling |
| Subcategory: Modular Systems |
| |

| Division: Design |
|---|
| Mounting Location: Ceiling |
| Subcategory: Modular Systems |
| PHYSICAL |
| Shape: Abstract |
| Diameter (mm): 60 |
| Diameter (in): 2 3/8 |
| Height (mm): 60 |
| Depth (mm): 20 |
| Height (in): $2\frac{3}{8}$ |
| Depth (in): 13/16 |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| RATINGS AND CERTIFICATIONS |

Certified By: Certified for North American Standards











D109144-

| SCI | | |
|-----|--|--|
| | | |

Moonlight Canopy Single for 400mm Suspension

GENERAL

| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| Subcategory: Modular Systems |
|---|
| PHYSICAL |
| Shape: Abstract |
| Length (mm): 400 |
| Length (in): 15 ³ / ₄ |
| Width (mm): 100 |
| Width (in): 3 ¹⁵ / ₁₆ |
| Height (mm): 40 |
| Height (in): 1 $^{9}\!\!/_{16}$ |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |

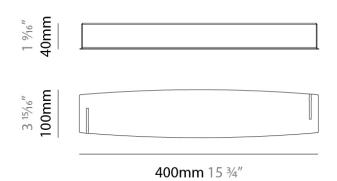
| LECTRICAL | |
|---|--|
| imming: Non-Dimming / Phase Dimming (120vac Only) | |
| river Included: Yes | |
| river Location: Integrated | |
| river Class: Class 2 | |
| put Voltage (V): 120 | |
| utput Voltage (V): 24 | |
| - | |

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











D109145-

DESCRIPTION

Moonlight Canopy Single for 500mm Suspension

GENERAL

| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

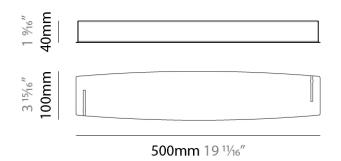
| Subcategory. Modular Systems |
|---|
| PHYSICAL |
| Shape: Abstract |
| Length (mm): 500 |
| Length (in): 19 11/16 |
| Width (mm): 100 |
| Width (in): 3 15/16 |
| Height (mm): 40 |
| Height (in): 1 ½ |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |

| ELECTRICAL | |
|--|--|
| Dimming: Non-Dimming / Phase Dimming (120vac Only) | |
| Driver Included: Yes | |
| Driver Location: Integrated | |
| Driver Class: Class 2 | |
| Input Voltage (V): 120 | |
| Output Voltage (V): 24 | |

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











D109146-

| | IPT | |
|--|-----|--|
| | | |
| | | |

Moonlight Canopy Double for 400mm+400mm Suspension

GENERAL

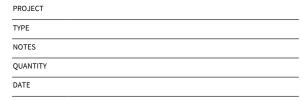
| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| Subcategory: Modular Systems | |
|---|--|
| PHYSICAL | |
| Shape: Abstract | |
| Length (mm): 790 | |
| Length (in): $31\frac{1}{8}$ | |
| Width (mm): 190 | |
| Width (in): 7 ½ | |
| Height (mm): 40 | |
| Height (in): 1 %,16 | |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT | |
| Fixture Material: Aluminum | |

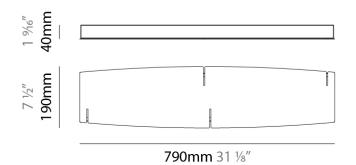
| Fixture Material: Aluminum |
|--|
| ELECTRICAL |
| Input Wattage Range: 10 - 19 W |
| Lamp Type: LED |
| Input Wattage (W): 14.4 |
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| Upon Request: 0-10V Dimming |
| LED |

| Color Temperature (°K): 2700 | |
|------------------------------|--|
| CRI: >90 CRI | |
| Lamp Life (hrs): 50000 | |

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











D109147-

DESCRIPTION

Moonlight Canopy Double for 400mm+500mm Suspension

GENERAL

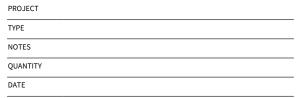
| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| Subcategory: Modular Systems |
|---|
| PHYSICAL |
| Shape: Abstract |
| Length (mm): 790 |
| Length (in): 31 1/8 |
| Width (mm): 190 |
| Width (in): 7 ½ |
| Height (mm): 40 |
| Height (in): $1\frac{9}{16}$ |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |
| |

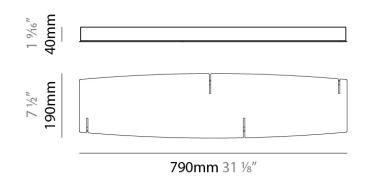
| Fixture Material: Aluminum |
|--|
| ELECTRICAL |
| Input Wattage Range: 10 - 19 W |
| Lamp Type: LED |
| Input Wattage (W): 17 |
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| Upon Request: 0-10V Dimming |
| LED |

| Color Temperature (°K): 2700 | |
|------------------------------|--|
| CRI: >90 CRI | |
| Lamp Life (hrs): 50000 | |

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











D109148-

DESCRIPTION

Moonlight Canopy Double for 500mm+500mm Suspension

GENERAL

| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

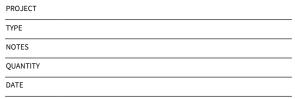
| PHYSICAL | |
|---|--|
| Shape: Abstract | |
| .ength (mm): 790 | |
| ength (in): 31 1/8 | |
| Vidth (mm): 190 | |
| Vidth (in): 7 ½ | |
| Height (mm): 40 | |
| Height (in): 1 ⁹ / ₁₆ | |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT | |
| ixture Material: Aluminum | |

| Fixture Material: Aluminum |
|--|
| ELECTRICAL |
| Input Wattage Range: 10 - 19 W |
| Lamp Type: LED |
| Input Wattage (W): 19.6 |
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| Upon Request: 0-10V Dimming |
| LED |

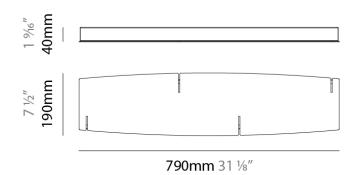
LED

| Color Temperature (°K): 2700 | |
|------------------------------|--|
| CRI: >90 CRI | |
| Lamp Life (hrs): 50000 | |

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











D109149-

DESCRIPTION

Moonlight Canopy Triple for 3 x 400mm Suspension

GENERAL

| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| PHYSICAL | |
|---|--|
| Shape: Abstract | |
| Length (mm): 1070 | |
| Length (in): 42 ½ | |
| Width (mm): 190 | |
| Width (in): 7 ½ | |
| Height (mm): 40 | |
| Height (in): 1 1/16 | |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT | |
| Fixture Material: Aluminum | |
| | |

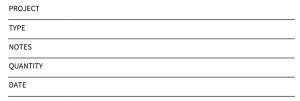
| ELECTRICAL |
|--|
| Dimming: Non-Dimming / Phase Dimming (120vac Only) |
| Driver Included: Yes |
| Driver Location: Integrated |
| Driver Class: Class 2 |
| Input Voltage (V): 120 |
| Output Voltage (V): 24 |
| |

LED

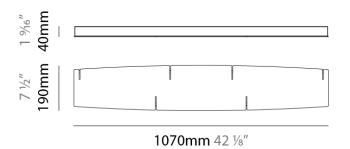
Lamp Life (hrs): 50000

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











D109150-

DESCRIPTION

Moonlight Canopy Triple for 400mm+400mm+500mm Suspension

GENERAL

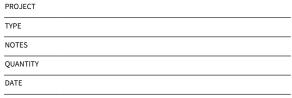
Series: Moonlight Brand: Quasar Division: Design Mounting Location: Ceiling

Subcategory: Modular Systems **PHYSICAL** Shape: Abstract Length (mm): 1070 Length (in): 42 1/8 Width (mm): 190 Width (in): 7 1/2 Height (mm): 40 Height (in): 1 % Fixture Finish: ALU / BRA / BRZ / FOS / LOT Fixture Material: Aluminum **ELECTRICAL**

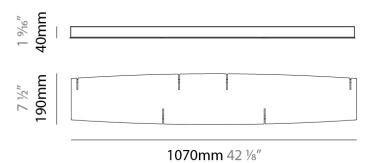
Dimming: Non-Dimming / Phase Dimming (120vac Only) Driver Included: Yes Driver Location: Integrated Driver Class: Class 2 Input Voltage (V): 120 Output Voltage (V): 24

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











D109151-

DESCRIPTION

Moonlight Canopy Triple for 400mm+500mm+400mm Suspension

GENERAL

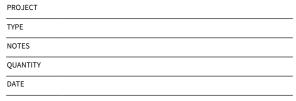
Series: Moonlight Brand: Quasar Division: Design Mounting Location: Ceiling Subcategory: Modular Systems

PHYSICAL Shape: Abstract Length (mm): 1070 Length (in): 42 1/8 Width (mm): 190 Width (in): 7 1/2 Height (mm): 40 Height (in): 1 % Fixture Finish: ALU / BRA / BRZ / FOS / LOT Fixture Material: Aluminum

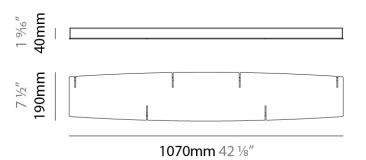
ELECTRICAL Dimming: Non-Dimming / Phase Dimming (120vac Only) Driver Included: Yes Driver Location: Integrated Driver Class: Class 2 Input Voltage (V): 120 Output Voltage (V): 24

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











D109152-

DESCRIPTION

Moonlight Canopy Triple for 500mm+400mm+500mm Suspension

GENERAL

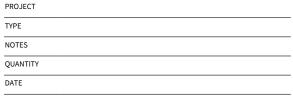
Series: Moonlight Brand: Quasar Division: Design Mounting Location: Ceiling

Subcategory: Modular Systems **PHYSICAL** Shape: Abstract Length (mm): 1070 Length (in): 42 1/8 Width (mm): 190 Width (in): 7 1/2 Height (mm): 40 Height (in): 1 % Fixture Finish: ALU / BRA / BRZ / FOS / LOT Fixture Material: Aluminum

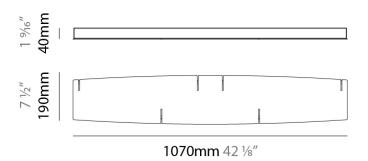
ELECTRICAL Dimming: Non-Dimming / Phase Dimming (120vac Only) Driver Included: Yes Driver Location: Integrated Driver Class: Class 2 Input Voltage (V): 120 Output Voltage (V): 24

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











PROJECT TYPE NOTES QUANTITY DATE

D109153

DESCRIPTION

Moonlight Canopy Triple for 500mm+500mm+400mm Suspension

GENERAL

Series: Moonlight

Brand: Quasar

Division: Design

Mounting Location: Ceiling

Subcategory: Modular Systems

Subcategory: Modular Systems

PHYSICAL

Shape: Abstract

Length (mm): 1070

Length (in): 42 ½

Width (mm): 190

Width (in): 7 ½

Height (mm): 40

Height (in): 1 ½

Fixture Finish: ALU / BRA / BRZ / FOS / LOT

Fixture Material: Aluminum

ELECTRICAL

ELECTRICAL

Dimming: Non-Dimming / Phase Dimming (120vac Only)

Driver Included: Yes

Driver Location: Integrated

Driver Class: Class 2

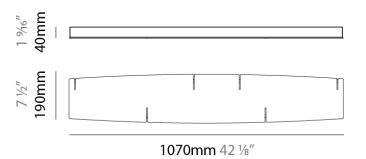
Input Voltage (V): 120

Output Voltage (V): 24

RATINGS AND CERTIFICATIONS

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









D109154-

DESCRIPTION

Moonlight Canopy Triple for 3 x 500mm Suspension

GENERAL

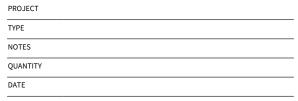
| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| PHYSICAL |
|---|
| Shape: Abstract |
| Length (mm): 1070 |
| Length (in): 42 1/8 |
| Width (mm): 190 |
| Width (in): 7 ½ |
| Height (mm): 40 |
| Height (in): 1 1/16 |
| Fixture Finish: ALU / BRA / BRZ / FOS / LOT |
| Fixture Material: Aluminum |

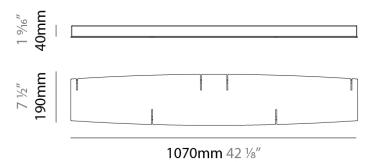
| ELECTRICAL | |
|--|--|
| Dimming: Non-Dimming / Phase Dimming (120vac Only) | |
| Driver Included: Yes | |
| Driver Location: Integrated | |
| Driver Class: Class 2 | |
| Input Voltage (V): 120 | |
| Output Voltage (V): 24 | |
| | |

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











PROJECT TYPE NOTES QUANTITY DATE

D109163-

DESCRIPTION

Moonlight 5 canopy 40-50-40-50-40 for 9 rings. length +/- 289cm

GENERAL

| Series: Moonlight | |
|------------------------------|--|
| Brand: Quasar | |
| Division: Design | |
| Mounting Location: Ceiling | |
| Subcategory: Modular Systems | |

| PHYSICAL |
|-------------------------------|
| Shape: Oblong |
| Length (mm): 1800 |
| Length (in): 70 $\frac{7}{8}$ |
| Width (mm): 190 |
| Width (in): 7 ½ |
| Height (mm): 50 |
| Height (in): 1 15/16 |
| Fixture Material: Metal |

ELECTRICAL

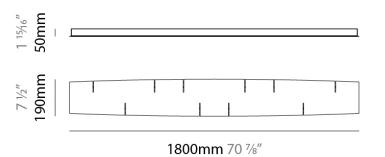
Dimming: Phase Dimming (120Vac Only)

Driver Included: Yes

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards









| PROJECT | | |
|----------|--|--|
| TYPE | | |
| NOTES | | |
| QUANTITY | | |
| DATE | | |

LEGEND

| T | | _ | a 85 | | special LED (upon request) PGR_PGRW_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 | ى | 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 | 71-600 | 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 | 30 | walk on |
| ZŢ | 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) | OSC | 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) | 4⊚ | 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 |
| 8 | separately switchable | \odot | indirect diffuser | . . | ETL Certified to UL and CSA Standards |
| 9 | sensor | 0 | direct diffuser | دول) ه | UL Certified to UL and CSA Standards |
| | remote control | 0 | ball-proof (upon request) | (II) | CSA Certified to UL and CSA Standards |
| J | available upon request | O | accessory | \mathbf{Z} | 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)

| IK02 | 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) |
| 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) |
| IK10 | 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

protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm