

SPARKS 3 SUSPENSION

D101686-

base number LED Dimming 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: Sparks

Subseries: Sparks 3

Brand: Quasar

Division: Design

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Diameter (mm): 780

Diameter (in): 30 11/16

Height (mm): 520

Height (in): 20 1/2

Max. Overall Height (mm): 2520

Max. Overall Height (in): 99 3/16

Light Distribution: Omnidirectional

Weight (kg): 5

Weight (lbs): 11.02

Fixture Finish: WHI / PAL

Fixture Material: Metal

Cable Details: 2000mm Cable

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 13.8

Total Output Wattage (W): 9.6

Dimming: Non-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: 0-10Vdc dimming

LED

Number of LEDs: 3

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 1128

CRI: >90 CRI

Lamp Life (hrs): 50000

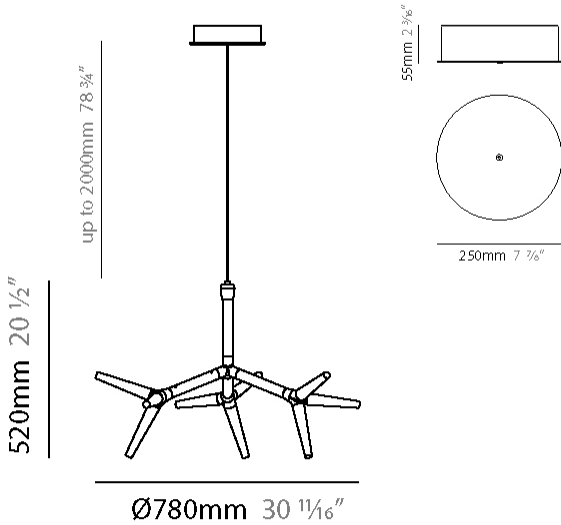
OPTICAL

RATINGS AND CERTIFICATIONS

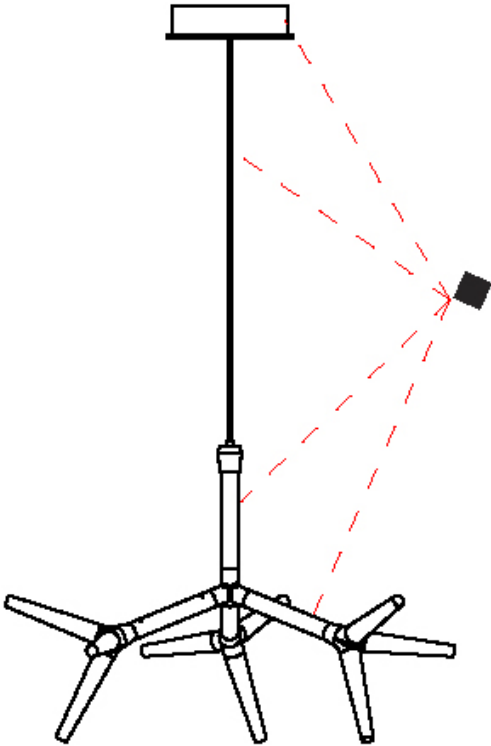
Certified By: Certified for North American Standards

IP rating: IP20

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SPARKS 6 SUSPENSION

D101688-

base number LED Dimming 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: Sparks

Subseries: Sparks 6

Brand: Quasar

Division: Design

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 1300

Length (in): 51 3/16

Width (mm): 730

Width (in): 28 3/4

Height (mm): 980

Height (in): 38 9/16

Max. Overall Height (mm): 2980

Max. Overall Height (in): 117 5/16

Light Distribution: Omnidirectional

Weight (kg): 7

Weight (lbs): 15.43

Fixture Finish: WHI / PAL

Fixture Material: Metal

Cable Details: 2000mm Cable

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 27.6

Total Output Wattage (W): 19.2

Dimming: Non-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: 0-10Vdc dimming

LED

Number of LEDs: 6

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 2256

CRI: >90 CRI

Lamp Life (hrs): 50000

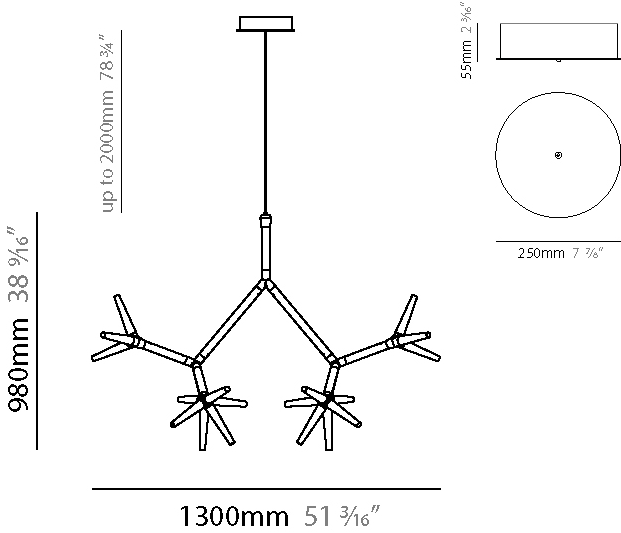
OPTICAL

RATINGS AND CERTIFICATIONS

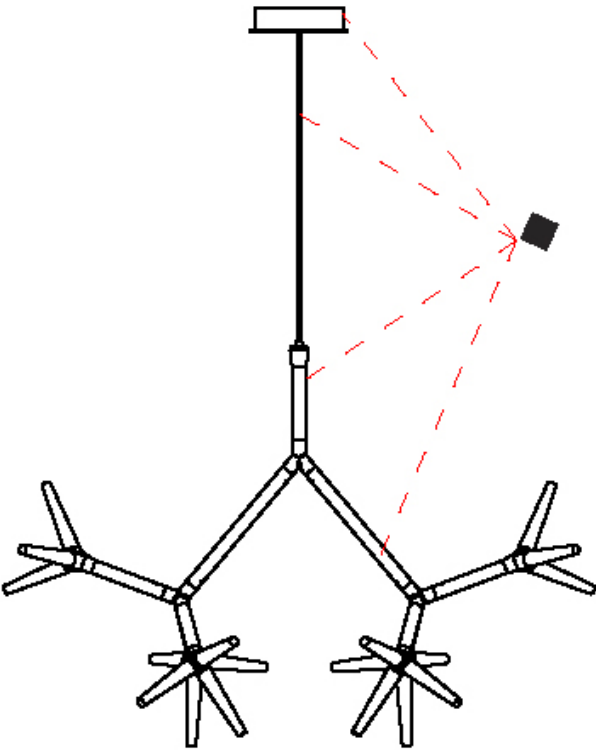
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IP rating: IP20

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SPARKS 9 SUSPENSION

D101690-

base number LED Dimming 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: Sparks  
Subseries: Sparks 9  
Brand: Quasar  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Ambient

PHYSICAL

Shape: Abstract  
Diameter (mm): 1370  
Diameter (in): 53 15/16  
Height (mm): 800  
Height (in): 31 1/2  
Max. Overall Height (mm): 2800  
Max. Overall Height (in): 110 3/4  
Light Distribution: Omnidirectional  
Weight (kg): 10  
Weight (lbs): 22.05  
Fixture Finish: WHI / PAL  
Fixture Material: Metal  
Cable Details: 2000mm Cable

ELECTRICAL

Lamp Type: LED  
Input Wattage (W): 41.4  
Total Output Wattage (W): 28.8  
Dimming: Non-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: 0-10Vdc dimming

LED

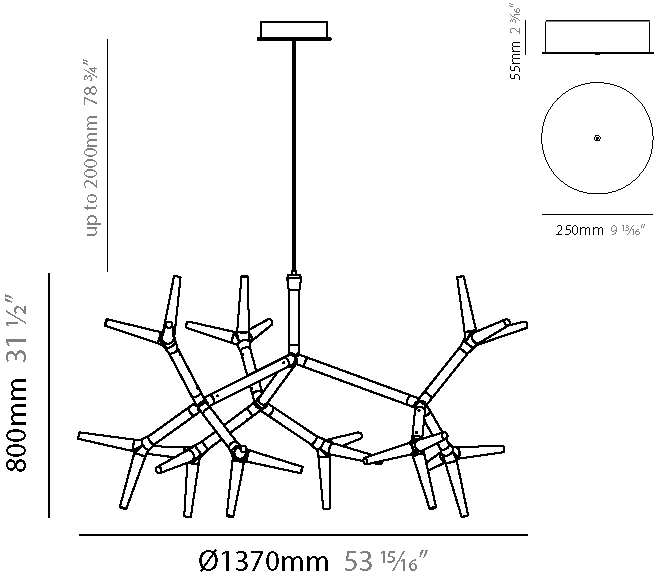
Number of LEDs: 9  
Color Temperature (°K): 2700  
Max. Delivered Lumen (lm): 3384  
CRI: >90 CRI  
Lamp Life (hrs): 50000

OPTICAL

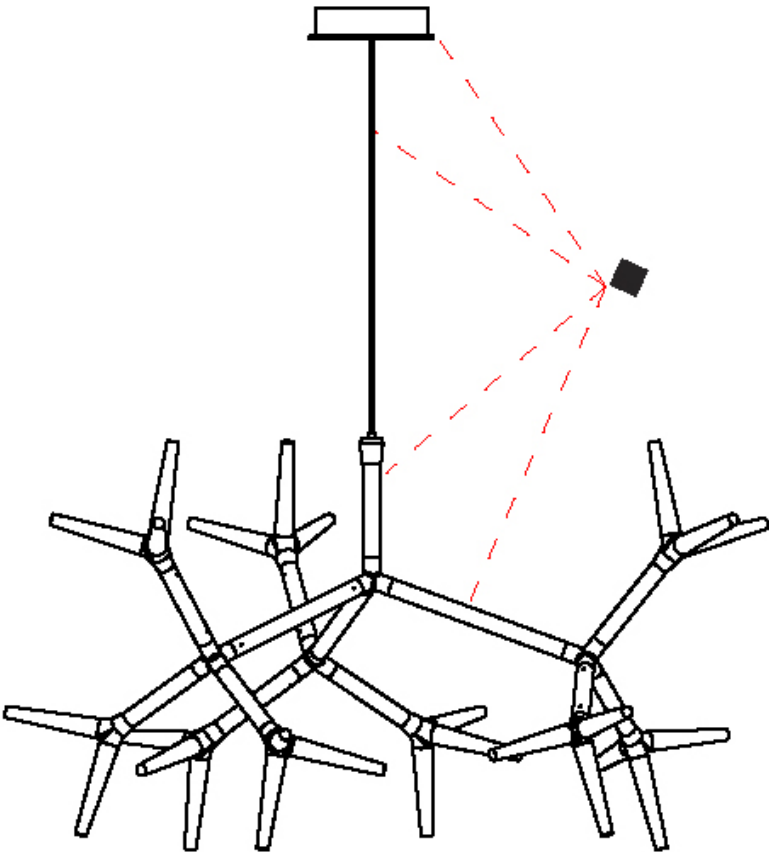
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SPARKS 6 SUSPENSION

D101692-

base number LED Dimming 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: Sparks  
Subseries: Sparks 6  
Brand: Quasar  
Division: Design  
Mounting Type: Suspension  
Mounting Location: Ceiling  
Subcategory: Ambient

PHYSICAL

Shape: Abstract  
Length (mm): 1900  
Length (in): 74 13/16  
Width (mm): 870  
Width (in): 34 1/4  
Height (mm): 860  
Height (in): 33 7/8  
Max. Overall Height (mm): 2860  
Max. Overall Height (in): 112 5/8  
Light Distribution: Omnidirectional  
Weight (kg): 7  
Weight (lbs): 15.43  
Fixture Finish: WHI / PAL  
Fixture Material: Metal  
Cable Details: 2000mm Cable

ELECTRICAL

Lamp Type: LED  
Input Wattage (W): 27.6  
Total Output Wattage (W): 19.2  
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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

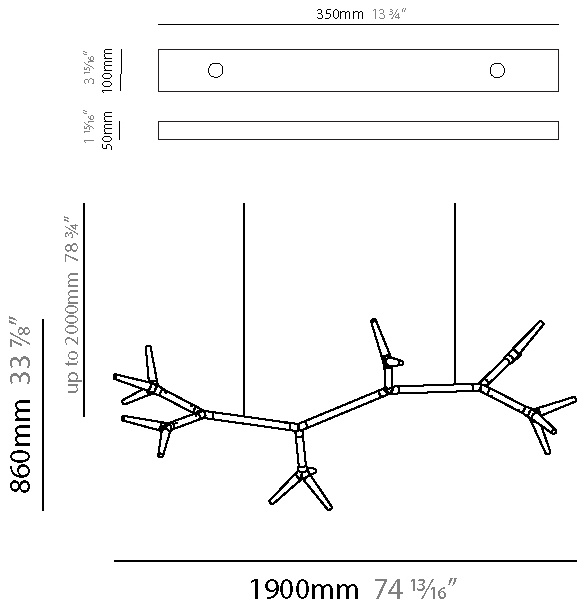
Number of LEDs: 6  
Color Temperature (°K): 2700  
Max. Delivered Lumen (lm): 2256  
CRI: >90 CRI  
Lamp Life (hrs): 50000

OPTICAL

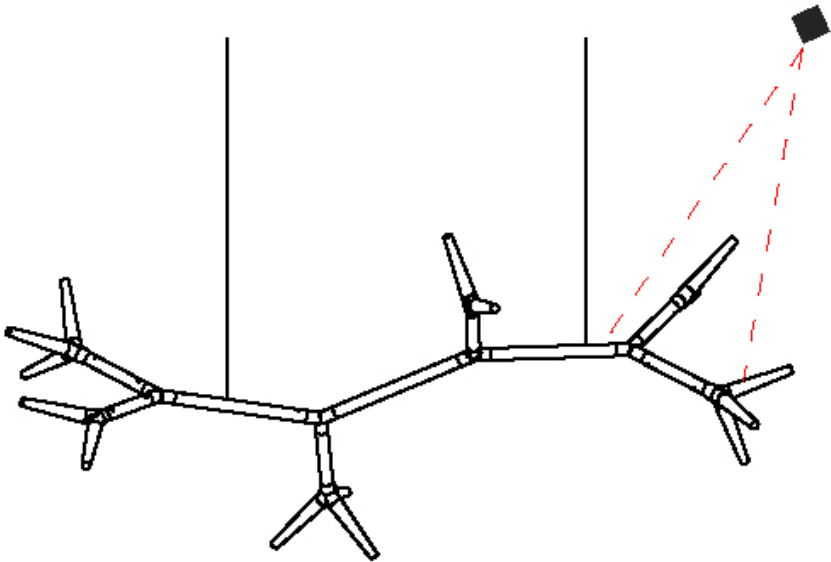
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SPARKS 10 SUSPENSION

D101720-

base number LED Dimming 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: Sparks

Subseries: Sparks 10

Brand: Quasar

Division: Design

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 3000

Length (in): 118 1/8

Width (mm): 1000

Width (in): 39 5/8

Height (mm): 800

Height (in): 31 1/2

Max. Overall Height (mm): 2800

Max. Overall Height (in): 110 1/4

Light Distribution: Omnidirectional

Weight (kg): 10

Weight (lbs): 22.05

Fixture Finish: WHI / PAL

Fixture Material: Metal

Cable Details: 2000mm Cable

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 46

Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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): 2700

Max. Delivered Lumen (lm): 3760

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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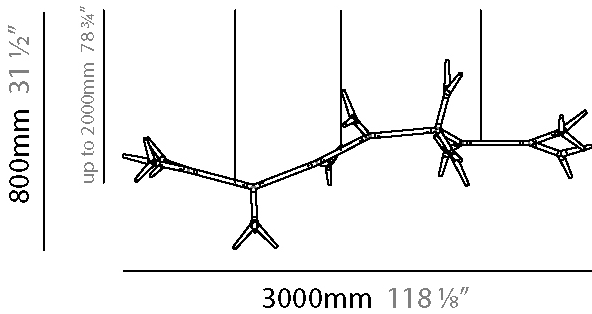
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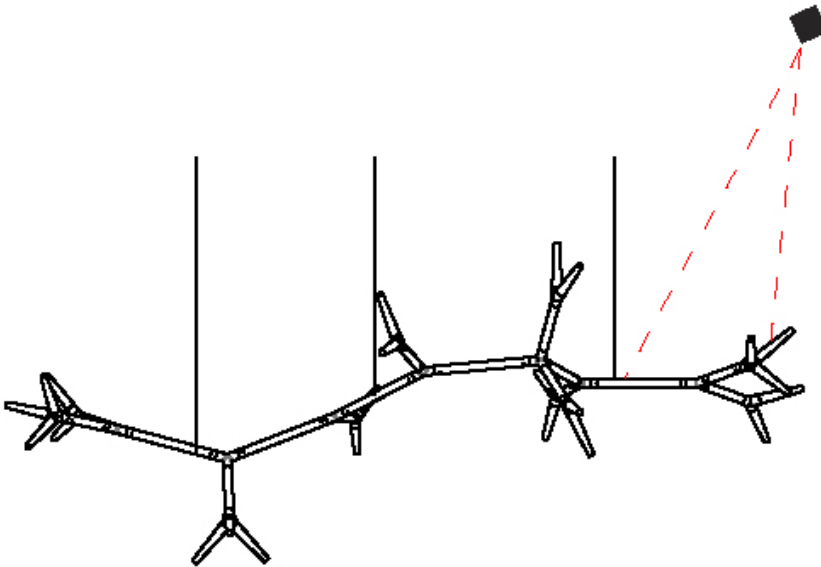
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SPARKS DOUBLE HEAD SURFACE

D103134-

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: Sparks  
Subseries: Sparks Double Head  
Brand: Quasar  
Division: Design  
Mounting Type: Surface  
Mounting Location: Wall  
Subcategory: Ambient

PHYSICAL

Shape: Abstract  
Length (mm): 225  
Length (in): 8 7/8  
Height (mm): 330  
Depth (mm): 190  
Height (in): 13  
Depth (in): 7 1/2  
Light Distribution: Omnidirectional  
Weight (kg): 3  
Weight (lbs): 6.6  
Fixture Finish: WHI / PAL  
Fixture Material: Metal

ELECTRICAL

Lamp Type: LED  
Input Wattage (W): 4.2  
Total Output Wattage (W): 3.2  
Dimming: Non-Dimmable  
Driver Included: Yes  
Driver Location: Integrated  
Driver Type: Constant Current - Universal  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 350  
Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only

LED

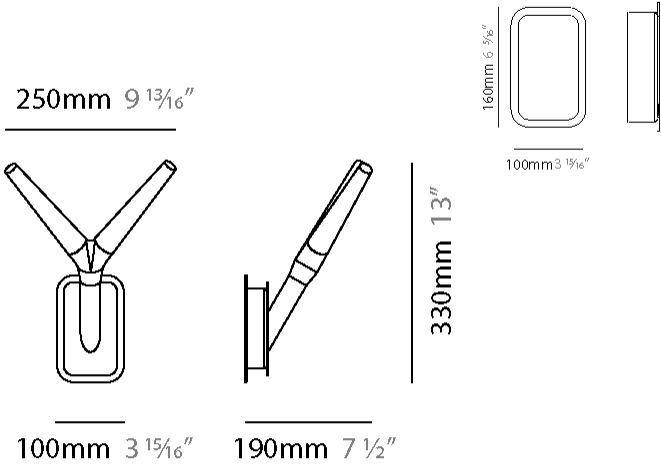
Number of LEDs: 1  
Color Temperature (°K): 2700  
Max. Delivered Lumen (lm): 376  
CRI: >90 CRI  
Lamp Life (hrs): 50000

OPTICAL

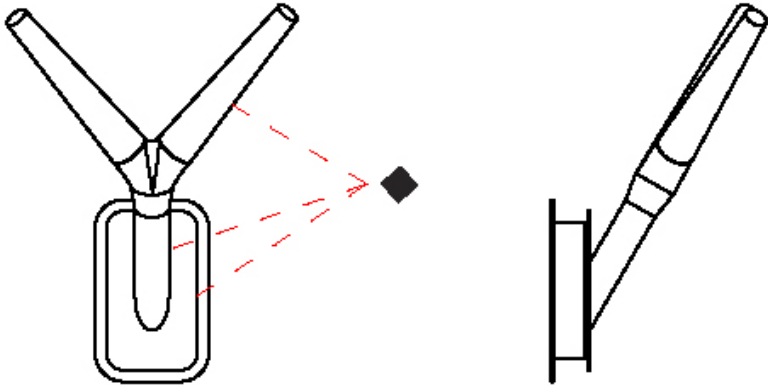
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SPARKS TRIPLE HEAD SURFACE

D103136-

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: Sparks

Subseries: Sparks Triple Head

Brand: Quasar

Division: Design

Mounting Type: Surface

Mounting Location: Wall

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 270

Length (in): 10 5/8

Height (mm): 340

Depth (mm): 290

Height (in): 13 3/8

Depth (in): 11 1/16

Light Distribution: Omnidirectional

Weight (kg): 3

Weight (lbs): 6.6

Fixture Finish: WHI / PAL

Fixture Material: Metal

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 4.2

Total Output Wattage (W): 3.2

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 350

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

LED

Number of LEDs: 1

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 376

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

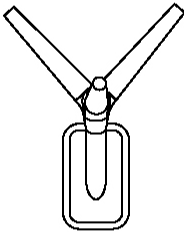
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IP rating: IP20

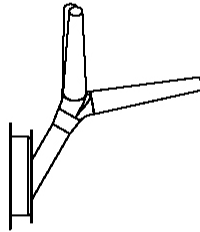
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250mm 9 13/16"

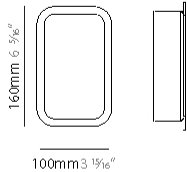


100mm 3 15/16"



290mm 11 7/16"

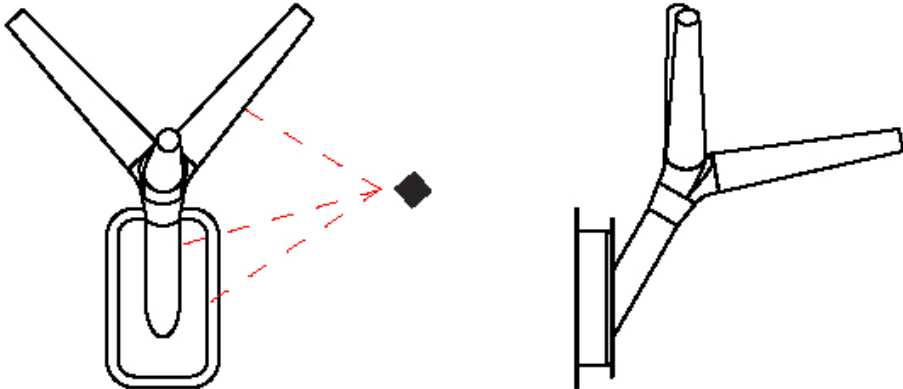
340mm 13 3/8"



SPARKS TRIPLE HEAD SURFACE

D103136-

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SPARKS 7 SURFACE

D103142-

base number	LED Dimming	Finish Options
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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: Sparks
Subseries: Sparks 7
Brand: Quasar
Division: Design
Mounting Type: Surface
Mounting Location: Wall
Subcategory: Ambient

PHYSICAL

Shape: Abstract
Length (mm): 1100
Length (in): 43 5/16
Height (mm): 1800
Depth (mm): 900
Height (in): 70 7/8
Depth (in): 35 7/16
Light Distribution: Omnidirectional
Fixture Finish: WHI / PAL
Fixture Material: Metal

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 32.2
Total Output Wattage (W): 22.4
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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

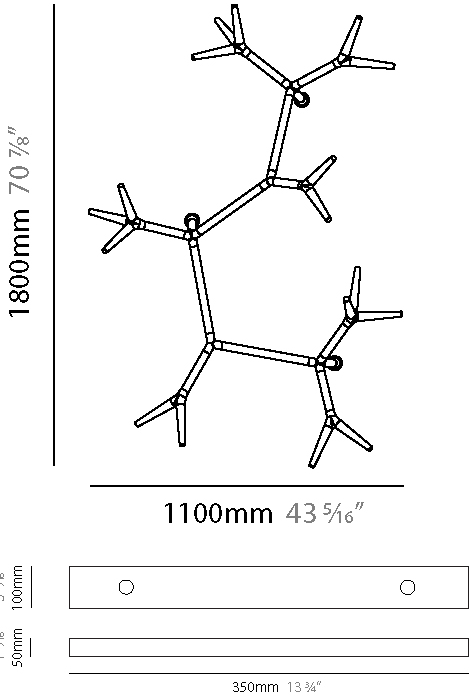
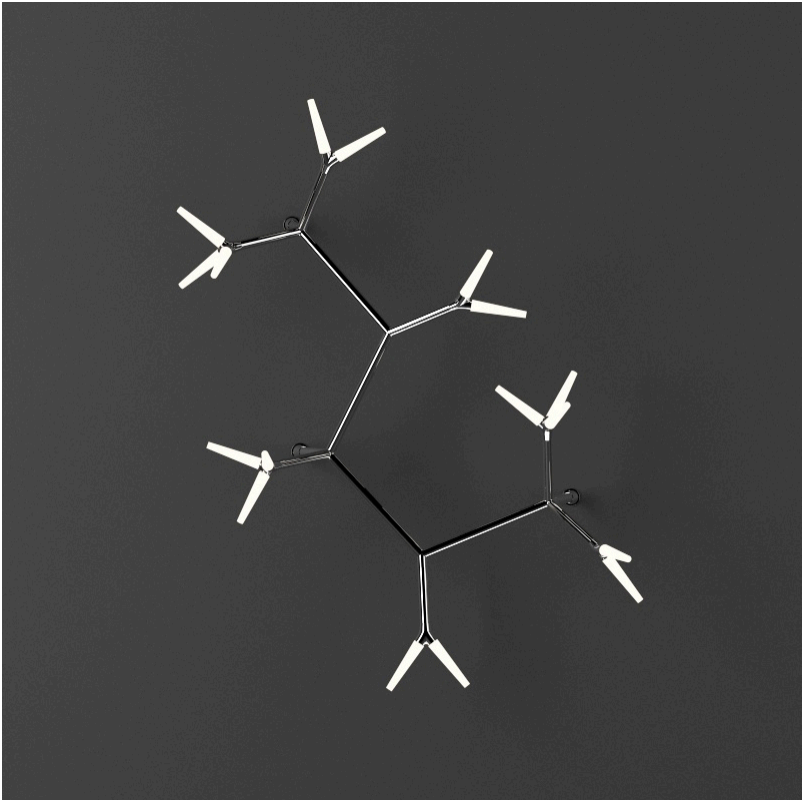
Number of LEDs: 7
Color Temperature (°K): 2700
Max. Delivered Lumen (lm): 2632
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

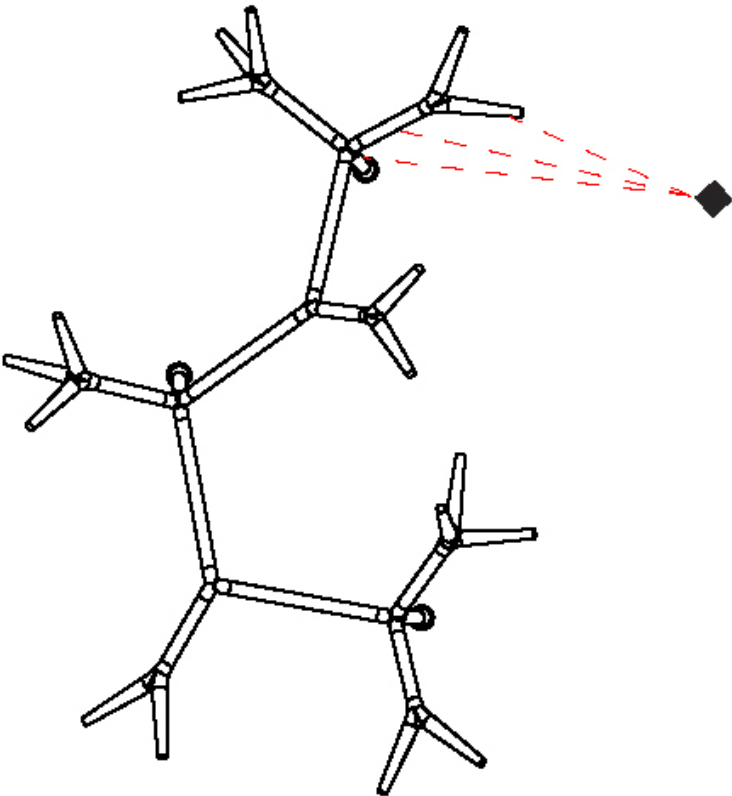
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SPARKS 9 SURFACE

D103143-

base number LED Dimming 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: Sparks

Subseries: Sparks 9

Brand: Quasar

Division: Design

Mounting Type: Surface

Mounting Location: Wall

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 1200

Length (in): 47 1/4

Height (mm): 2400

Depth (mm): 900

Height (in): 94 1/2

Depth (in): 35 7/16

Light Distribution: Omnidirectional

Fixture Finish: WHI / PAL

Fixture Material: Metal

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 41.4

Total Output Wattage (W): 28.8

Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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: 9

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 3384

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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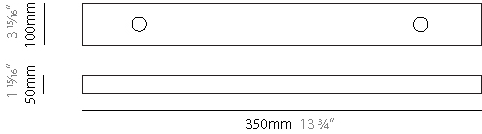
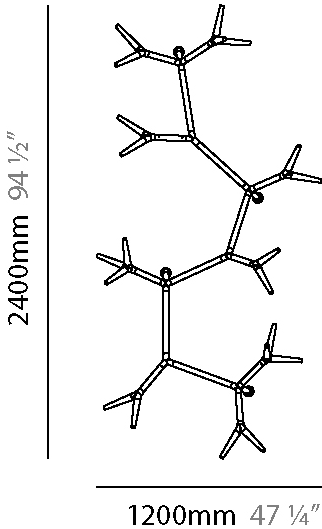
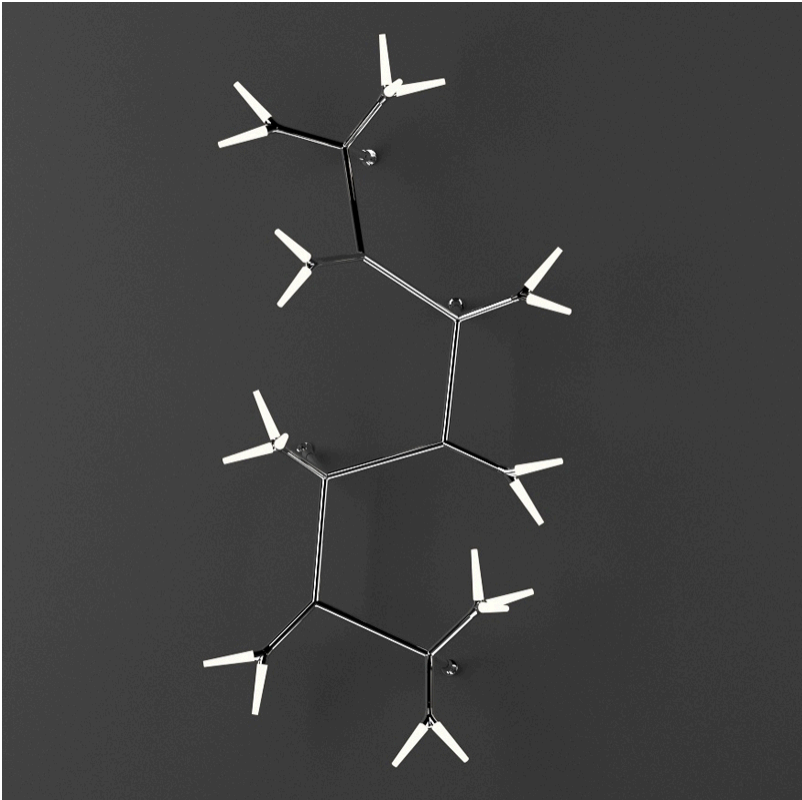
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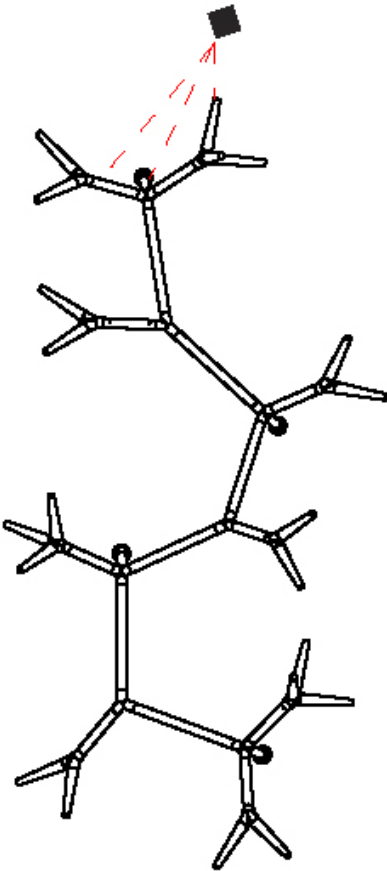
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SPARKS 11 SURFACE

D103145-

base number	LED	Finish
	Dimming	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: Sparks
Subseries: Sparks 11
Brand: Quasar
Division: Design
Mounting Type: Surface
Mounting Location: Wall
Subcategory: Ambient

PHYSICAL

Shape: Abstract
Length (mm): 1700
Length (in): 66 15/16
Height (mm): 2600
Depth (mm): 900
Height (in): 102 3/8
Depth (in): 35 7/16
Light Distribution: Omnidirectional
Fixture Finish: WHI / PAL
Fixture Material: Metal

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 50.6
Total Output Wattage (W): 35.2
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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

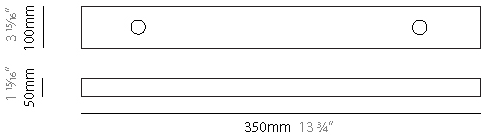
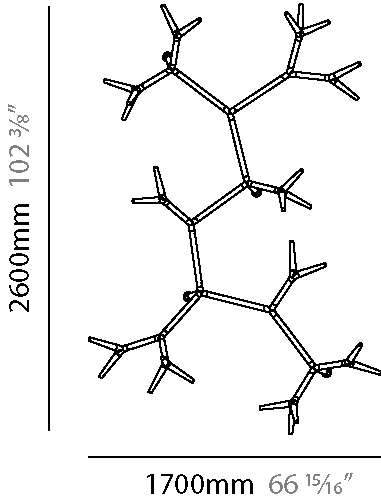
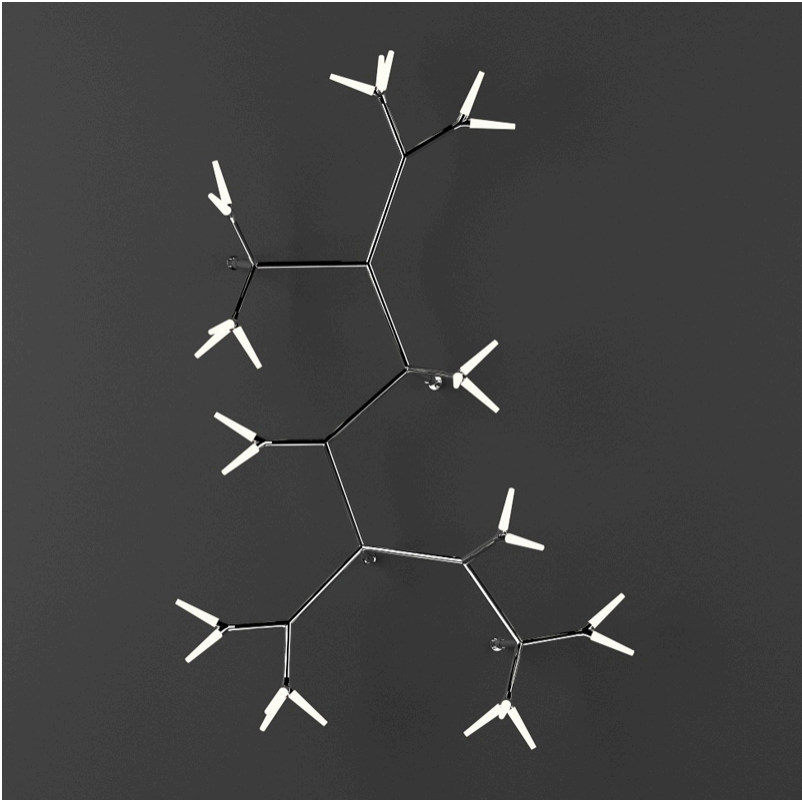
Number of LEDs: 11
Color Temperature (°K): 2700
Max. Delivered Lumen (lm): 4136
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

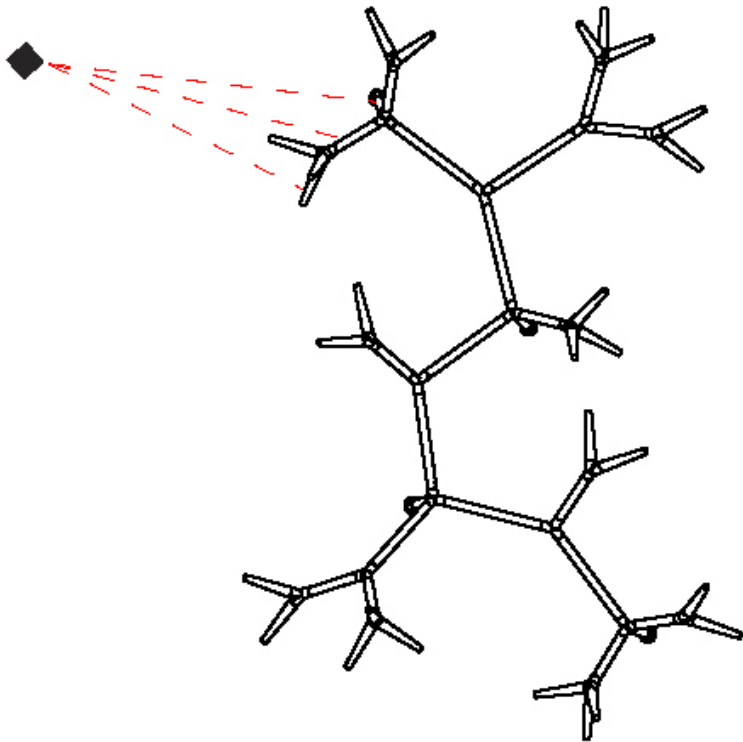
RATINGS AND CERTIFICATIONS

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

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SPARKS 15 SURFACE

D103147-

base number LED Dimming 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: Sparks  
Subseries: Sparks 15  
Brand: Quasar  
Division: Design  
Mounting Type: Surface  
Mounting Location: Wall  
Subcategory: Ambient

PHYSICAL

Shape: Abstract  
Length (mm): 1900  
Length (in): 74 13/16  
Height (mm): 3340  
Depth (mm): 900  
Height (in): 131 1/2  
Depth (in): 35 7/16  
Light Distribution: Omnidirectional  
Weight (kg): 17  
Weight (lbs): 37.48  
Fixture Finish: WHI / PAL  
Fixture Material: Metal

ELECTRICAL

Lamp Type: LED  
Input Wattage (W): 69  
Total Output Wattage (W): 48  
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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

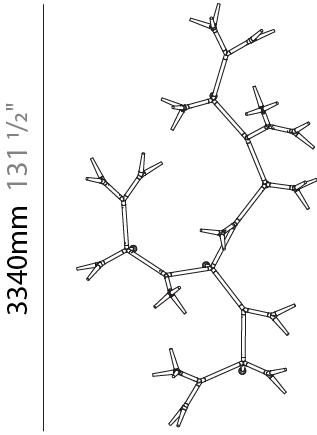
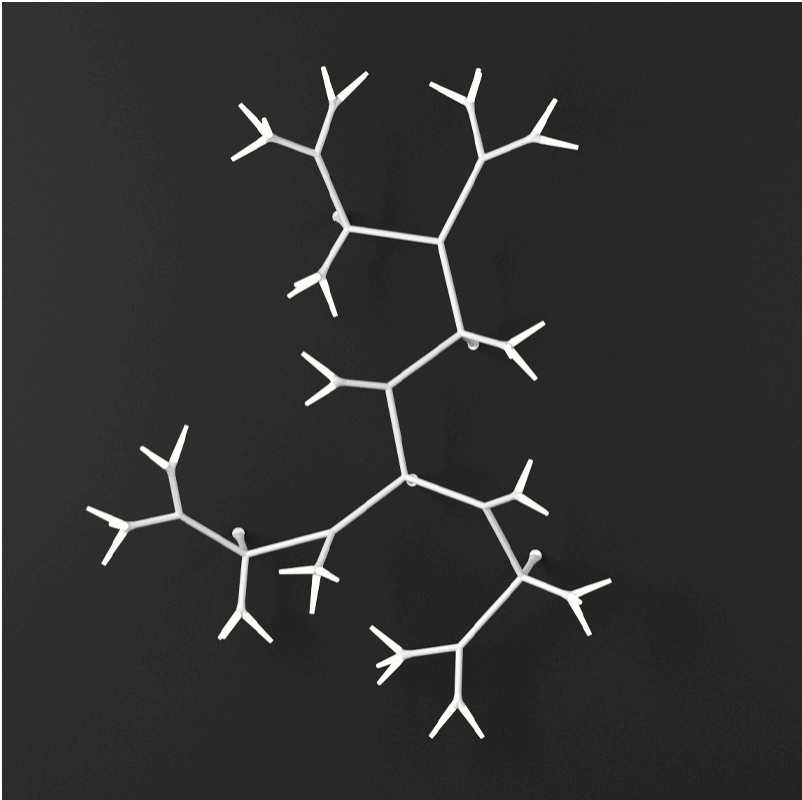
Number of LEDs: 15  
Color Temperature (°K): 2700  
Max. Delivered Lumen (lm): 5640  
CRI: >90 CRI  
Lamp Life (hrs): 50000

OPTICAL

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

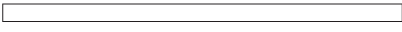
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3340mm 131 1/2"

1900mm 74 13/16"

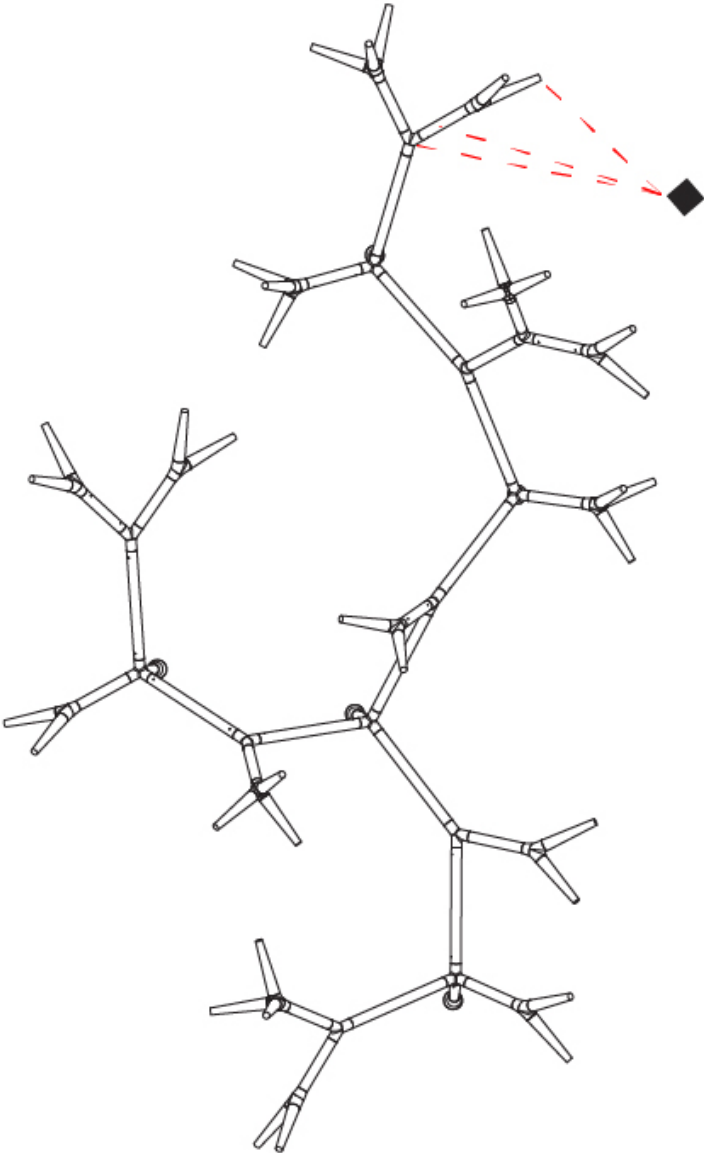
1 19/16" 3 19/16" 50mm 100mm



350mm 13 3/4"

D

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D

SPARKS 17 SURFACE

D103148-

base number LED Dimming 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: Sparks

Subseries: Sparks 17

Brand: Quasar

Division: Design

Mounting Type: Surface

Mounting Location: Wall

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 2590

Length (in): 101 15/16

Height (mm): 3250

Depth (mm): 900

Height (in): 127 15/16

Depth (in): 35 7/16

Light Distribution: Omnidirectional

Weight (kg): 21

Weight (lbs): 46.30

Fixture Finish: WHI / PAL

Fixture Material: Metal

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 78.2

Total Output Wattage (W): 54.4

Dimming: Non-Dimming / Phase Dimming (120Vac only) / 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: 17

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 6392

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

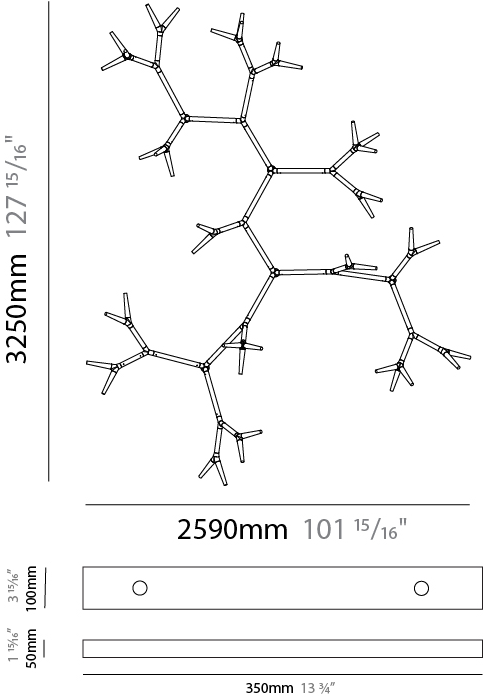
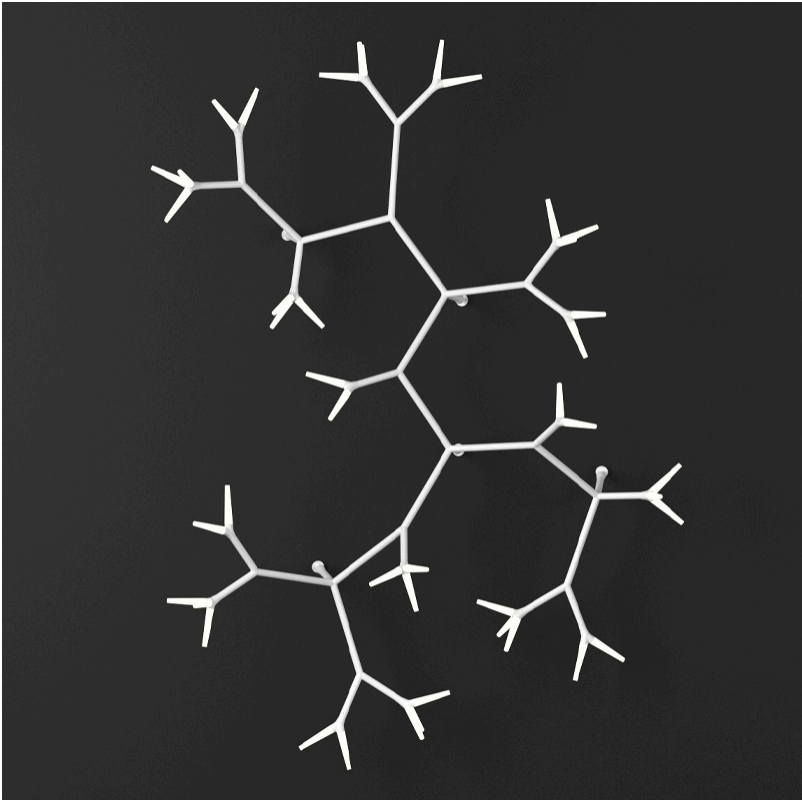
PROJECT

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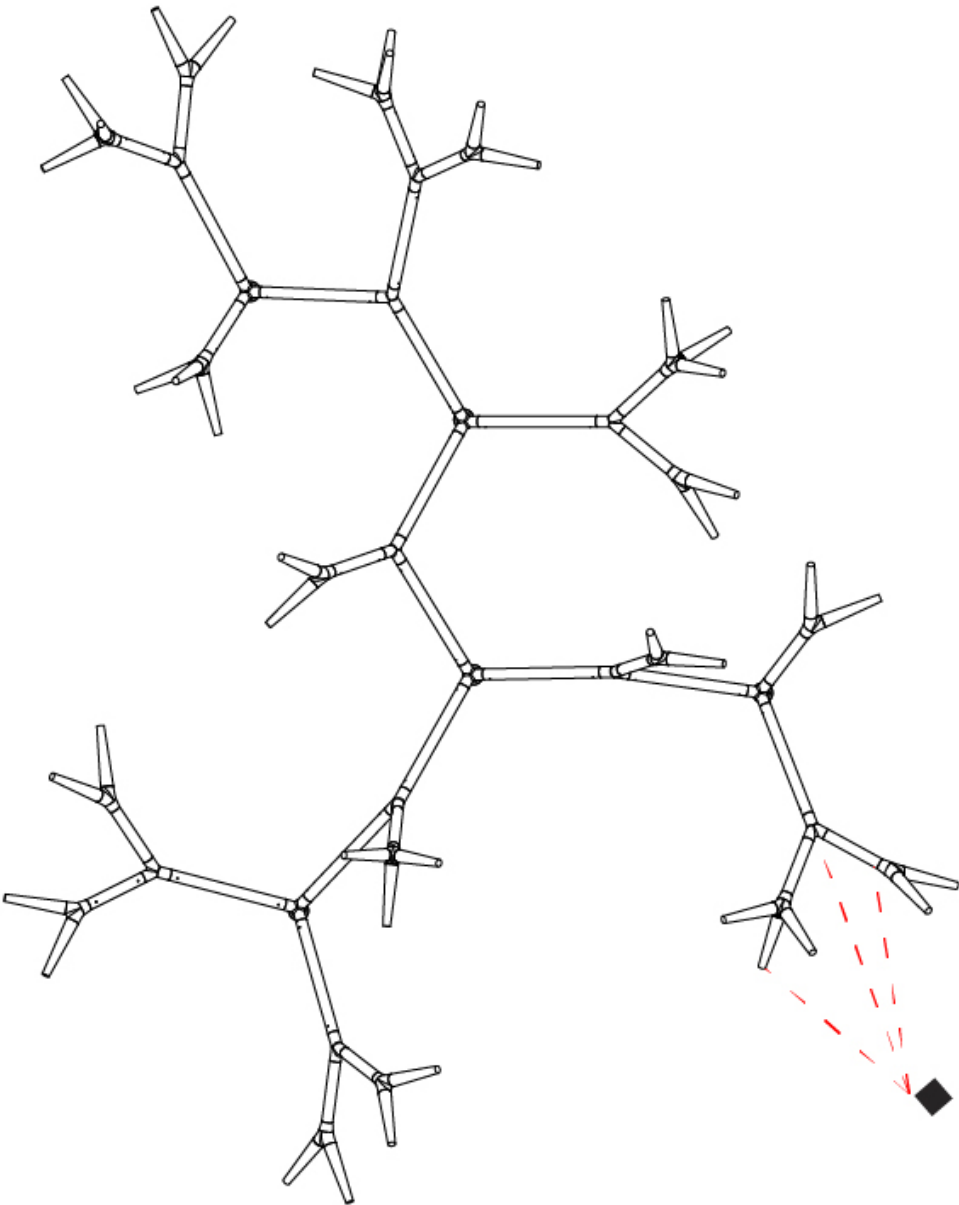
SPECIFIER

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SPARKS 19 SURFACE

D103149-

base number LED Dimming 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: Sparks

Subseries: Sparks 19

Brand: Quasar

Division: Design

Mounting Type: Surface

Mounting Location: Wall

Subcategory: Ambient

PHYSICAL

Shape: Abstract

Length (mm): 1880

Length (in): 74

Height (mm): 5300

Depth (mm): 900

Height (in): 208 11/16

Depth (in): 35 7/16

Light Distribution: Omnidirectional

Weight (kg): 24

Weight (lbs): 52.91

Fixture Finish: WHI / PAL

Fixture Material: Metal

ELECTRICAL

Lamp Type: LED

Input Wattage (W): 87.4

Total Output Wattage (W): 60.8

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

LED

Number of LEDs: 19

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 7144

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

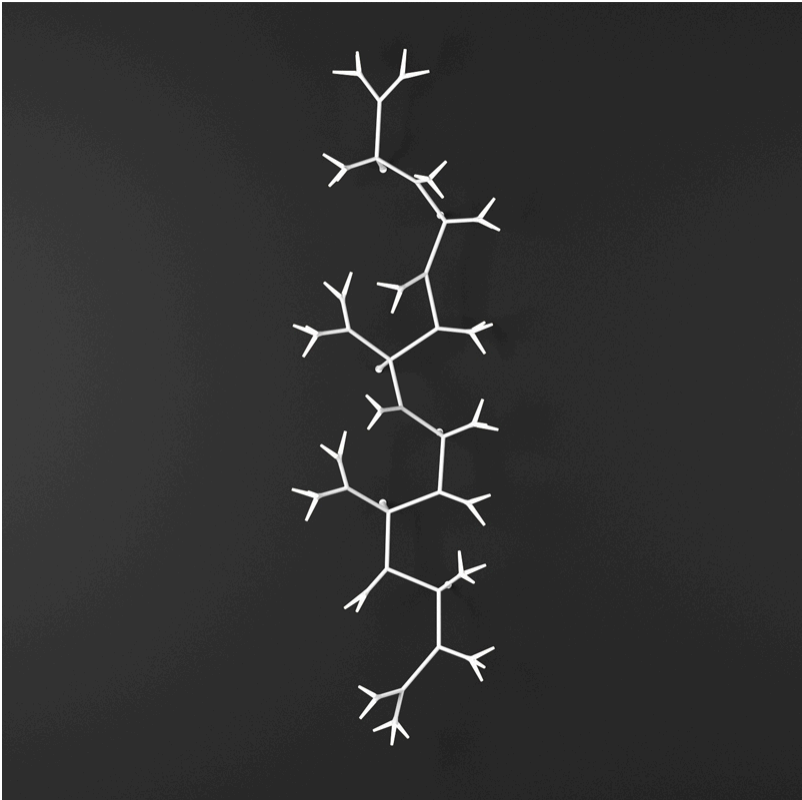
PROJECT

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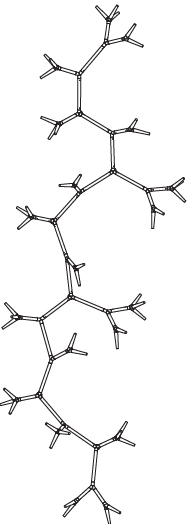
SPECIFIER

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5300mm 208 11/16"

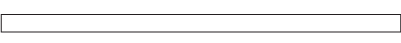


1880mm 74"

3 13/16" 100mm



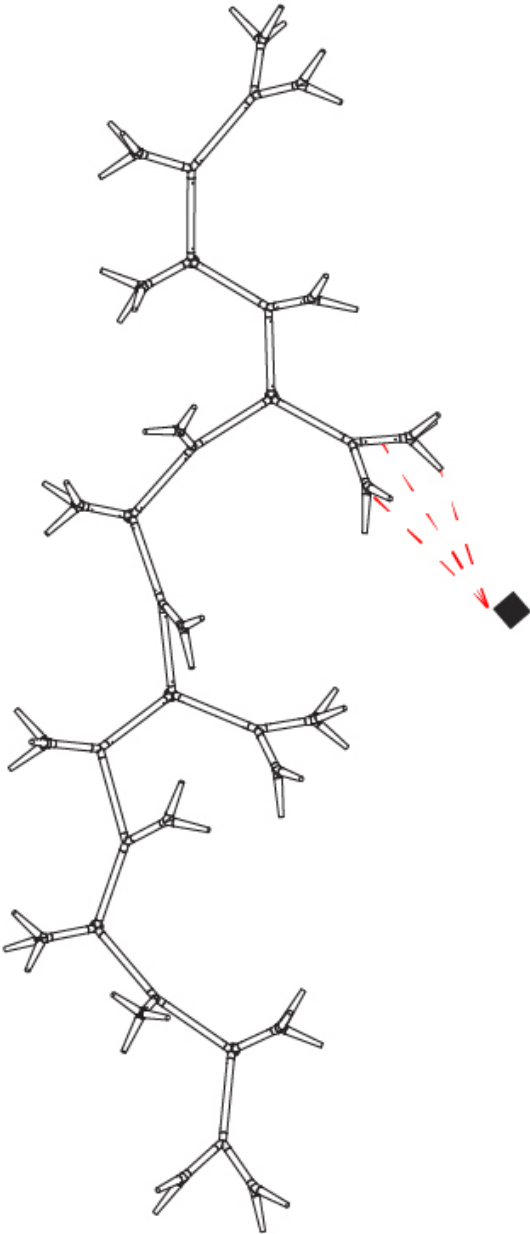
1 15/16" 50mm



350mm 13 3/4"



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D

SPARKS MODULAR SYSTEM SURFACE

D10SP-MOD-SYS

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: Sparks

Subseries: Sparks Modular System

Brand: Quasar

Division: Design

Mounting Type: Surface

Mounting Location: Ceiling

Subcategory: Modular

PHYSICAL

Shape: Abstract

Light Distribution: Omnidirectional

Fixture Finish: WHI / PAL

Fixture Material: Metal

ELECTRICAL

Lamp Type: LED

Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Output Voltage (V): 24

LED

Color Temperature (°K): 2700

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

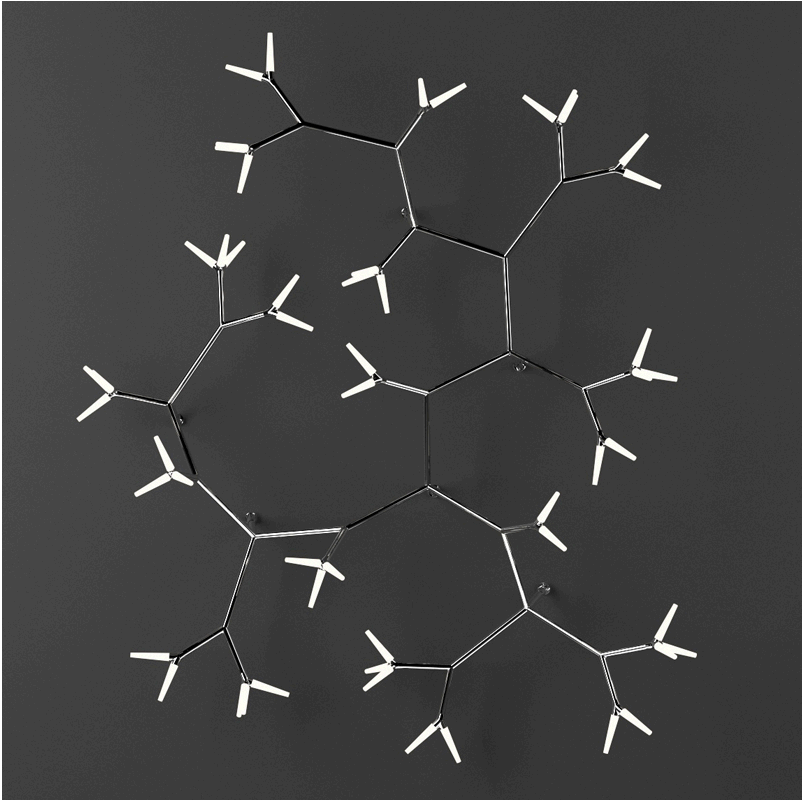
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Fixture Finish

White - WHI



Polished Alumimum - PAL








































































**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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LEGEND

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

IP RATING

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

IK RATING

	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
	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)