ZANEEN®

ROBOTIC SURFACE

D92164

GENERAL

Series: Robotic
Brand: Milan
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Cylinder

Length (mm): 90
Length (in): 3 %₁₆
Width (mm): 50
Width (in): 1 ½₁₆
Height (mm): 90
Height (in): 3 %₁₆

Light Distribution: Adjustable / Direct Weight (kg): 1.8

Weight (lbs): 4
Fixture Finish: WHI
Fixture Material: Metal

ELECTRICAL

Number of Lamps: 1

Lamp Type: LED

Total Output Wattage (W): 6.6

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current

Driver Class: Class 2

Input Voltage (V): 120

Constant Current (MA): 350

Upon Request: Dimmable option available with remote driver upon

LED

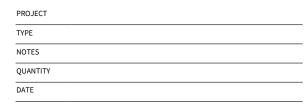
request

Number of LEDs: 1
Color Temperature (°K): 2700
Max. Delivered Lumen (lm): 431.51
Nominal Lumen (lm): 600
CRI: >80 CRI

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20





108mm 4 1/4"



108mm 4 1/4"

J-Box cover plate Included

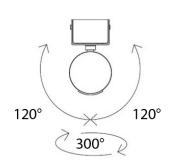


90mm 3 %16"





50mm 1 ¹⁵/₁₆"





ZANEEN

ROBOTIC SURFACE

D92166

GENERAL

Series: Robotic Brand: Milan Division: Design Mounting Type: Surface Mounting Location: Ceiling Subcategory: Spots

PHYSICAL Shape: Rectangle Diameter (mm): 60 Diameter (in): 2 3/8 Length (mm): 138 Length (in): 5 1/16 Width (mm): 80 Width (in): $3\frac{1}{8}$ Height (mm): 144 Height (in): 5 11/16 Light Distribution: Adjustable / Direct Weight (kg): 1.8 Weight (lbs): 4 Fixture Finish: WHI Fixture Material: Metal **ELECTRICAL** Number of Lamps: 2 Lamp Type: LED

Total Output Wattage (W): 13.2 Max. Wattage Per Lamp (W): 6.6 Dimming: Non-Dimmable Driver Included: Yes Driver Location: External **Driver Type: Constant Current** Driver Class: Class 2 Input Voltage (V): 120 Lamp Voltage (V): 120

Constant Current (MA): 2 x 175

Upon Request: Dimmable option available with remote driver upon request

LED

Number of LEDs: 2

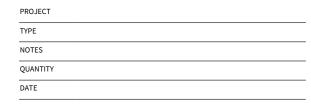
Color Temperature (°K): 2700 Max. Delivered Lumen (lm): 2 x 431.54 Nominal Lumen (lm): 2 x 800 CRI: >80 CRI

OPTICAL

Adjustability: Tilting and rotating

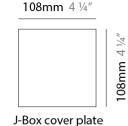
RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP20









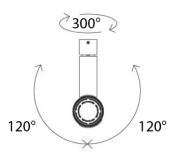
Included

138mm 5 7/16"



1 15/16"







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ZANEEN

ROBOTIC SURFACE

D93202

GENERAL

Series: Robotic Brand: Milan Division: Design Mounting Type: Surface Mounting Location: Wall Subcategory: Uplight

PHYSICAL

Shape: Cylinder Diameter (mm): 50 Diameter (in): 1 15/16 Length (mm): 138 Length (in): 5 1/16 Height (mm): 116 Height (in): 4 1/16 Extension (mm): 115 Extension (in): 4 1/2

Light Distribution: Adjustable / Direct

Weight (kg): 1.8 Weight (lbs): 4 Fixture Finish: WHI Fixture Material: Metal

ELECTRICAL

Number of Lamps: 2 Lamp Type: LED Total Output Wattage (W): 13.2 Max. Wattage Per Lamp (W): 6.6 Dimming: Non-Dimmable Driver Included: Yes Driver Location: Integrated Driver Type: Constant Current Driver Class: Class 2 Input Voltage (V): 120

Constant Current (MA): 500 [2 x 250 parallel wiring]

Upon Request: Dimmable option available with remote driver upon request

LED

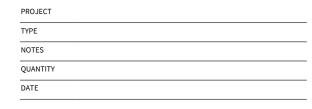
Number of LEDs: 2 Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 2 x 800 CRI: >80 CRI

OPTICAL

Opticº: 47

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP20









108mm 4 1/4"



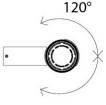
J-Box cover plate Included

115mm 4 ½"









138mm 5 7/16"



120°



LEGEND

<u></u>	floor-mounted	¥	pivotable	*	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	J	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	æ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	T	color of suspension cable	<u></u>	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
	direct light distribution		reflector degree selection	(K)	color temperature
X	direct/indirect light distribution	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
\Box	square wall or ceiling cut-out		free individual colors 01-29	②	drive on
4	the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
d *.*	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
	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
४	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
9	sensor	0	direct diffuser	c∰.	UL Certified to UL and CSA Standards
	remote control	\oplus	ball-proof (upon request)	(1)	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	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

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 $5.0 kg$ mass dropped from $400 mm$ above the surface)