## **ZANEEN**®

## **HAUL 1 LIGHT SURFACE**

#### D92102R9-

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: Haul	
Subseries: Haul 1 Light	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Location. Centing
Subcategory: Downlight
PHYSICAL
Shape: Cylinder
Diameter (mm): 55
Diameter (in): 2 $\frac{3}{16}$
Height (mm): 127
Height (in): 5
Max. Overall Height (mm): 199
Max. Overall Height (in): 7 <sup>13</sup> / <sub>16</sub>
Extension (mm): 72
Extension (in): 2 <sup>13</sup> / <sub>16</sub>
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

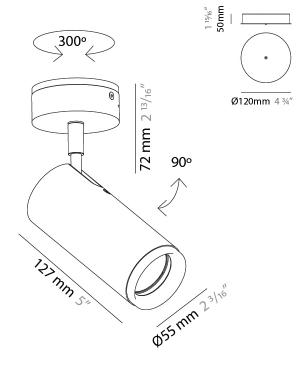
Adjustability: Rotational 300°; Tilt 90°

## **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards







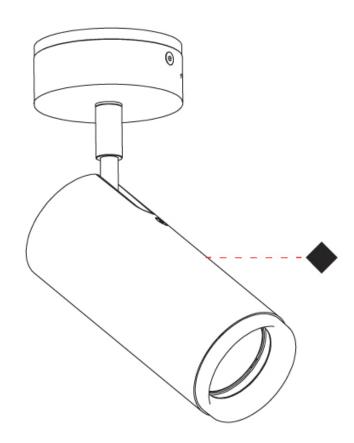




## **HAUL 1 LIGHT SURFACE**

D92102R9-

PROJECT	
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#### D92105R9-

base number

Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul
Subseries: Haul - Ceiling
Brand: Milan
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Downlight

#### DHVSICAL

PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 % 16
Height (mm): 153
Height (in): 6
Light Distribution: Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### **ELECTRICAL**

Lamp Type: LED
Input Wattage (W): 5
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line

#### LED

LED	
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 500	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

## OPTICAL

Beam Angle: 35

### RATINGS AND CERTIFICATIONS

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







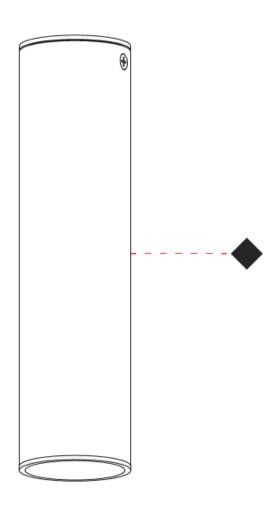
Ø40 mm 1 9/16"





D92105R9-

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## ZANEEN

#### **HAUL 3 LIGHT SURFACE**

#### D92109R9-

base number

Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### **GENERAL**

Series: Haul Subseries: Haul 3 Light Brand: Milan Division: Design Mounting Type: Surface Mounting Location: Ceiling

Subcategory: Downlight **PHYSICAL** Shape: Cylinder Length (mm): 130 Length (in):  $5\frac{1}{8}$ Width (mm): 40 Width (in): 1 % Height (mm): 123 Height (in): 4 13/16 Light Distribution: Adjustable / Direct Fixture Finish: MWL / MBQ Fixture Material: Extruded Aluminum **ELECTRICAL** 

Lamp Type: LED Input Wattage (W): 15 Total Output Wattage (W): 12 Dimming: Electronic Low Voltage Dimming Input Voltage (V): 120Vac Direct Line

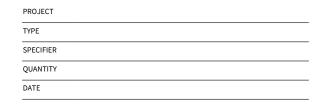
#### LED

Number of LEDs: 3 Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 1500 CRI: >90 CRI Lamp Life (hrs): 50000 OPTICAL

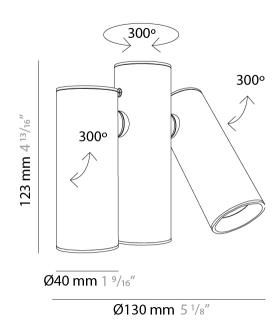
Beam Angle: 35 Adjustability: Rotational; Tilt 300°

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards







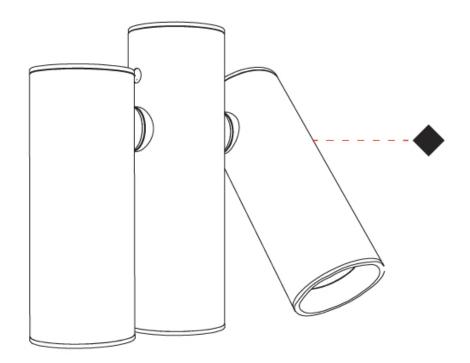




## **HAUL 3 LIGHT SURFACE**

D92109R9-

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TYPE	
SPECIFIER	
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DATE	





# **ZANEEN**<sub>®</sub>

## **HAUL 2 LIGHT SURFACE**

#### D92192R9-

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: Haul	
Subseries: Haul 2 Light	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	

Subcategory: Spots
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 $^{9}\!\!/_{16}$
Width (mm): 85
Width (in): 3 3/8
Height (mm): 80
Height (in): 4 $\frac{7}{8}$
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### ELECTRICAL

	ELECTRICAL
	Lamp Type: LED
	Input Wattage (W): 10
	Total Output Wattage (W): 8
	Dimming: Electronic Low Voltage Dimming
	Input Voltage (V): 120Vac Direct Line

### LED

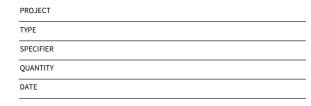
Number of LEDs: 2	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1000	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

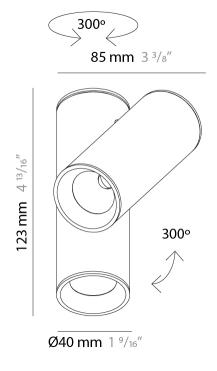
Beam Angle: 35
Adjustability: Rotational; Tilt 300°

## RATINGS AND CERTIFICATIONS

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







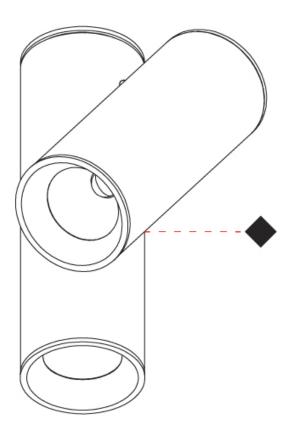




## **HAUL 2 LIGHT SURFACE**

D92192R9-

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TYPE	
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QUANTITY	
DATE	





# **ZANEEN**®

## **HAUL - CEILING SURFACE**

#### D92247-

base number

Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul	
Subseries: Haul - Ceiling	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Spots	

PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 1/16
Length (mm): 98
Length (in): $3\frac{7}{18}$
Height (mm): 160
Height (in): 6 <sup>5</sup> / <sub>16</sub>
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### **ELECTRICAL**

Lamp Type: LED	
Input Wattage (W): 5	
Dimming: Electronic Low Voltage Dimming	
Input Voltage (V): 120Vac Direct Line	
LED	

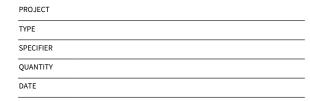
LED	
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 500	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL Beam Angle: 35

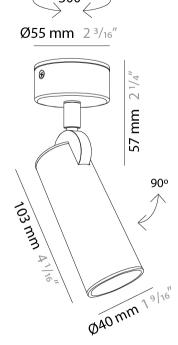
Adjustability: Rotational 300	°; Tilt 90°

## **RATINGS AND CERTIFICATIONS**

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





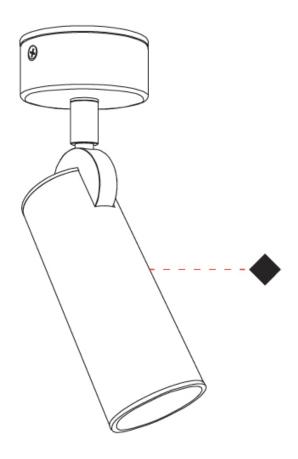






D92247-

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#### D92248-

base number

Options

 $1. To \ build\ a\ product\ code\ in\ our\ configurator\ select\ the\ specify\ button\ on\ the\ base\ model\ \#\ product\ page$ 

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul	
Subseries: Haul - Ceiling	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Downlight	

#### PHYSICAL

Shape: Cylinder	
Diameter (mm): 40	
Diameter (in): 1 1/16	
Height (mm): 64	
Height (in): 2 ½	
Light Distribution: Direct	
Fixture Finish: MWL / MBQ	
Fixture Material: Extruded Aluminum	

#### **ELECTRICAL**

Lamp Type: LED	
Input Wattage (W): 6	
Dimming: Non-Dimmable	
Driver Included: Yes	
Driver Location: External	
Input Voltage (V): 120	
Constant Current (MA): 200	

#### LED

Number of LEDs: 1
Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 500
CRI: >90 CRI
Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 35

#### RATINGS AND CERTIFICATIONS

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

PROJECT

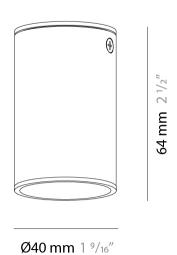
TYPE

SPECIFIER

QUANTITY

DATE



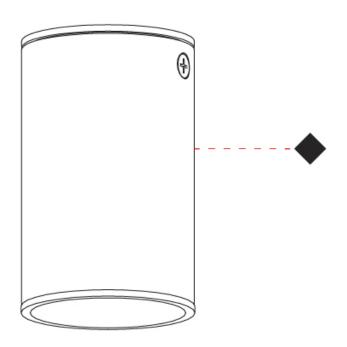






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QUANTITY
DATE







#### D92249-

base number

Options

 $1. To \ build\ a\ product\ code\ in\ our\ configurator\ select\ the\ specify\ button\ on\ the\ base\ model\ \#\ product\ page$ 

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul	
Subseries: Haul - Ceiling	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Downlight	

#### PHYSICAL

FITTSICAL
Shape: Cylinder
Diameter (mm): 55
Diameter (in): 2 <sup>3</sup> / <sub>16</sub>
Height (mm): 93
Height (in): 3 11/16
Light Distribution: Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### **ELECTRICAL**

Lamp Type: LED	
Input Wattage (W): 7	
Dimming: Electronic Low Voltage Dimmin	g
Input Voltage (V): 120Vac Direct Line	

#### LED

LED	
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 655	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

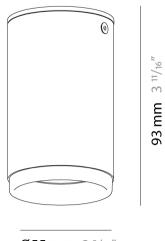
Beam Angle: 35

### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







Ø55 mm 2 3/16"





D92249-

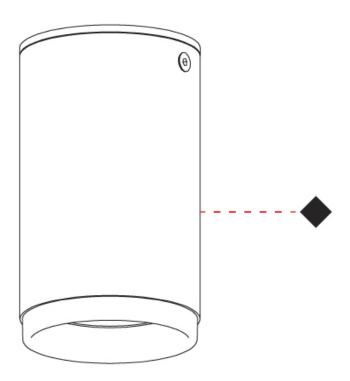
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE







#### D92250-

base number

Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul
Subseries: Haul - Ceiling
Brand: Milan
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Downlight

#### PHYSICAL

Shape: Cylinder
Diameter (mm): 55
Diameter (in): 2 <sup>3</sup> / <sub>16</sub>
Height (mm): 210
Height (in): 8 <sup>1</sup> / <sub>4</sub>
Light Distribution: Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### **ELECTRICAL**

Lamp Type: LED
Input Wattage (W): 7
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line
LED
Number of LEDs: 1

Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 655	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

Beam Angle: 35

### RATINGS AND CERTIFICATIONS

Certified By: Certified	l for North <i>i</i>	American Si	tandards







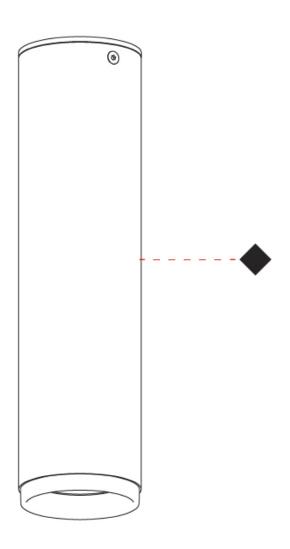






D92250-

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SPECIFIER
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DATE







#### D93136R9-

base number

Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul	
Subseries: Haul - Wall	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Up/Down Light	

Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: Up/Down Light	
PHYSICAL	
Shape: Cylinder	
Diameter (mm): 40	
Diameter (in): 1 1/16	
Height (mm): 153	
Height (in): 6	
Extension (mm): 61	
Extension (in): 2 3/8	
Light Distribution: Direct / Indirect	
Fixture Finish: MWL / MBQ	
Fixture Material: Extruded Aluminum	
ELECTRICAL	

#### ELECTRICAL

Lamp Type: LED	
Input Wattage (W): 10	
Dimming: Electronic Low Voltage Dimming	
Input Voltage (V): 120Vac Direct Line	
LED	
Number of LEDs: 2	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1000	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

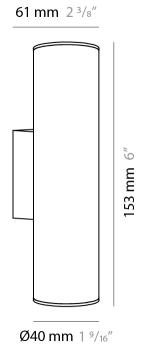
Beam Angle: 35

### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards





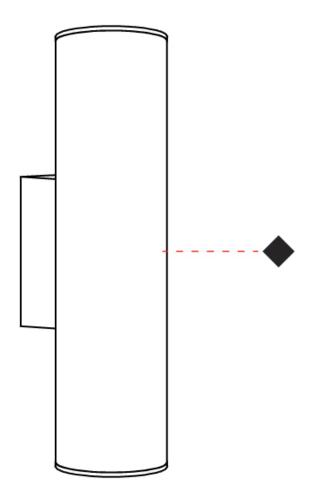






D93136R9-

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SPECIFIER	
QUANTITY	
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#### D93203R9-

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

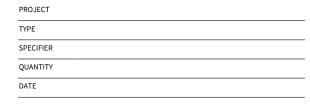
Series: Haul	
Subseries: Haul - Wall	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: On/Off Switch	

Mounting Location: Wall
Subcategory: On/Off Switch
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 ½
Length (mm): 65
Length (in): 2 <sup>9</sup> / <sub>16</sub>
Height (mm): 100
Height (in): 3 15/16
Extension (mm): 78
Extension (in): 3 ½
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum
ELECTRICAL

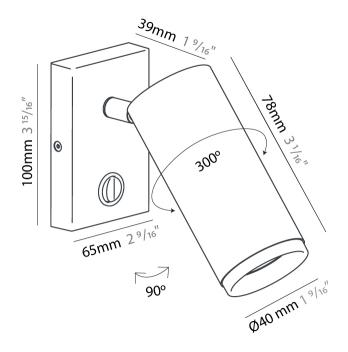
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 5
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line
LED
Number of LEDs: 1
Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 500
CRI: >90 CRI
Lamp Life (hrs): 50000
OPTICAL
Beam Angle: 35
Adjustability: Rotational 300°; Tilt 90°

## **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards





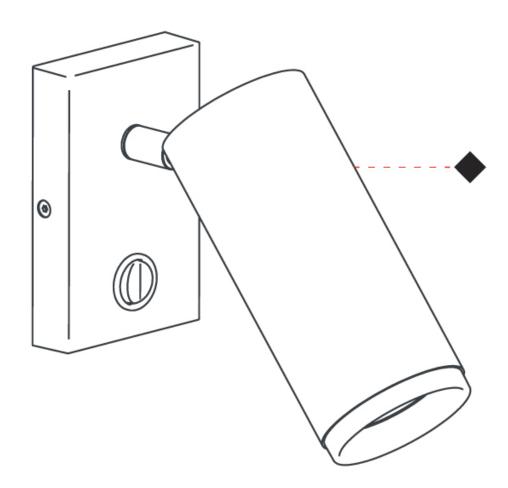






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# **ZANEEN**®

## **HAUL SURFACE**

#### D93242-

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

_	<del></del>
S	eries: Haul
В	rand: Milan
D	ivision: Design
М	lounting Type: Surface
М	lounting Location: Wall
_	uheataganu Cnate

Mounting Type: Surface
Mounting Location: Wall
Subcategory: Spots
PHYSICAL
Shape: Cylinder
Diameter (mm): 55
Diameter (in): 1 % 16
Length (mm): 70
Length (in): 2 <sup>3</sup> / <sub>4</sub>
Height (mm): 100
Height (in): 3 15/16
Extension (mm): 120
Extension (in): 4 ¾
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

Extension (mm): 120	
Extension (in): 4 <sup>3</sup> / <sub>4</sub>	
Light Distribution: Adjustable / Direct	
Fixture Finish: MWL / MBQ	
Fixture Material: Extruded Aluminum	
ELECTRICAL	
Number of Lamps: 1	
Lamp Type: LED Retrofit	
Lamp Shape: MR16	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 4	
Lamp Base: GU10	
Input Voltage (V): 120	
LED	
CRI: >90 CRI	
ORTICAL	

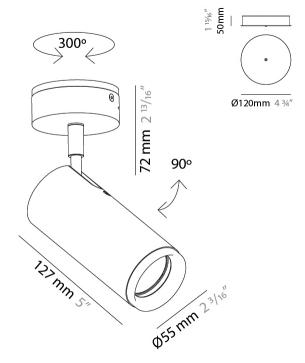
### OPTICAL

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Certified By: Certified for North American Standards







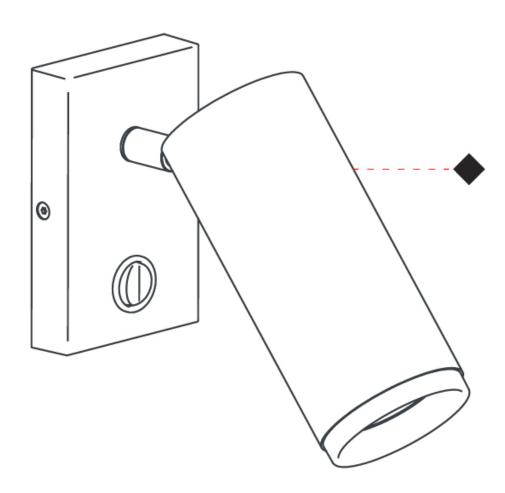




**HAUL SURFACE** 

D93242-

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# **ZANEEN**®

## **HAUL - WALL SURFACE**

#### D93243-

base number

Options

 $1. To \ build\ a\ product\ code\ in\ our\ configurator\ select\ the\ specify\ button\ on\ the\ base\ model\ \#\ product\ page$ 

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

#### GENERAL

Series: Haul	
Subseries: Haul - Wall	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: On/Off Switch	

Mounting Location: Wall
Subcategory: On/Off Switch
PHYSICAL
Shape: Cylinder
Diameter (mm): 55
Diameter (in): 1 ½
Length (mm): 83
Length (in): 3 1/4
Height (mm): 100
Height (in): 3 15/16
Extension (mm): 120
Extension (in): 4 <sup>3</sup> / <sub>4</sub>
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

#### **ELECTRICAL**

Lamp Type: LED
Input Wattage (W): 7
Dimming: Electronic Low Voltage Dimming
Input Voltage (V): 120Vac Direct Line
LED
Number of LEDs: 1
Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 665
CRI: >90 CRI
Lamp Life (hrs): 50000
OPTICAL
Beam Angle: 35

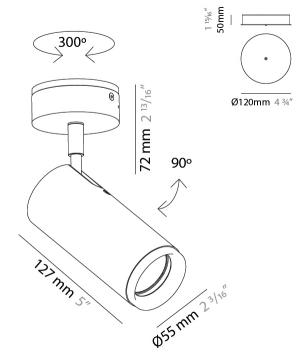
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## RATINGS AND CERTIFICATIONS

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





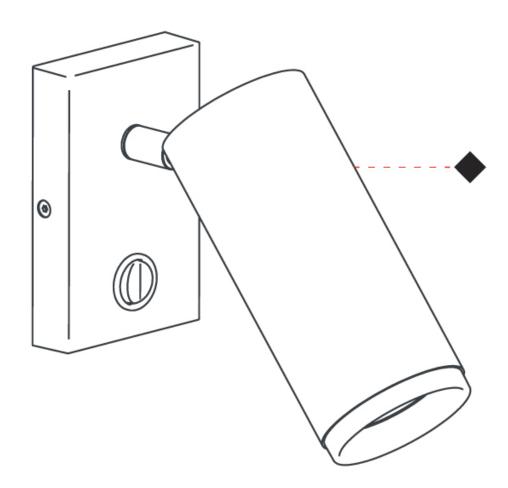






D93243-

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SPECIFIER	
QUANTITY	_
DATE	_





# **ZANEEN**®

## **HAUL - WALL SURFACE**

#### D93244-

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: Haul	
Subseries: Haul - Wall	
Brand: Milan	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall	
Subcategory: On/Off Switch	

#### PHYSICAL

	Shape: Cylinder
	Diameter (mm): 40
	Diameter (in): 1 %
	Length (mm): 85
	Length (in): 3 <sup>3</sup> / <sub>8</sub>
	Extension (mm): 120
	Extension (in): 4 <sup>3</sup> / <sub>4</sub>
	Light Distribution: Adjustable / Direct
	Fixture Finish: MWL / MBQ
	Fixture Material: Extruded Aluminum

## **ELECTRICAL**Lamp Type: LED

Input Wattage (W): 5	
Dimming: Electronic Low Voltage Dimming	
Input Voltage (V): 120Vac Direct Line	
LED	
Number of LEDs: 1	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 500	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

#### OPTICAL

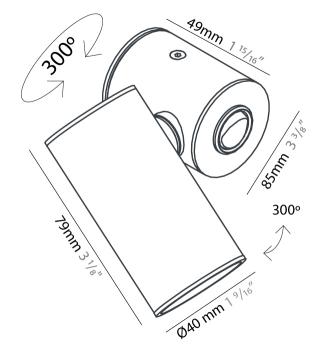
Beam Angle: 35

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





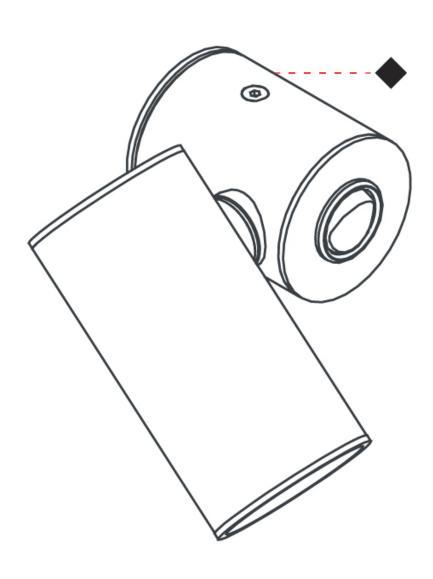






D93244-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	_







## **HAUL**

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

#### **Fixture Finish**

Matte White Lacquer - MWL



**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.





## **HAUL**

## **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	S	rotating	0	warm dim / natural dimming LED
$\uparrow$	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
$\rightarrow$	wall-mounted	I	color of suspension cable	THESE	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	<b>↓</b>	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	(K)	color temperature
X	direct/indirect light distribution	s s	super spot	ĹM	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
A	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	3	walk on
Z)	square wall or ceiling cut-out		free individual colors 01-29	<b>②</b>	drive on
4	the supplied jig specifies the cutout dimensions	<u>-</u>	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	lack	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> ⑨	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	•	luminaire part to be colored (F5)		protection class I, protection insulation
<u>جه</u>	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
8	separately switchable	$\odot$	indirect diffuser	. <b>(1)</b>	ETL Certified to UL and CSA Standards
<b>9</b>	sensor	0	direct diffuser	։ (Մ) ու	UL Certified to UL and CSA Standards
	remote control	$\odot$	ball-proof (upon request)	<b>(1)</b>	CSA Certified to UL and CSA Standards
J	available upon request	0	accessory	<b>(Z</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 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)
IKO6	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) $$
IK08	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

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