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: Ceiting
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 $^{13}\!/_{16}$
Extension (mm): 72
Extension (in): 2 13/16
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

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	
Ream Angle: 35	

Beam Angle: 35

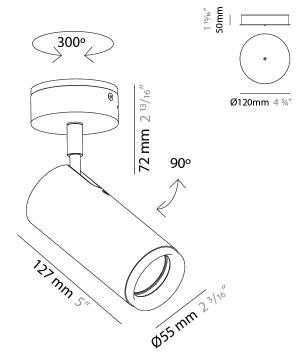
Adjustability: Rotational 300°; Tilt 90°

RATINGS AND CERTIFICATIONS

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







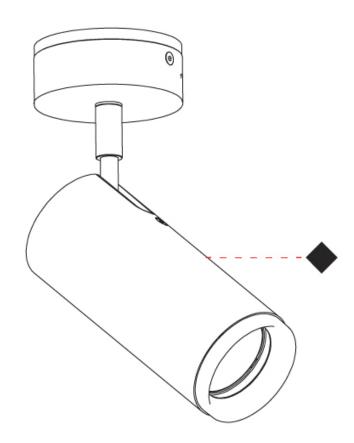




HAUL 1 LIGHT SURFACE

D92102R9-

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	







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	

DHYSICAL

PHISICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 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

Certified By: Certified for North American Standards







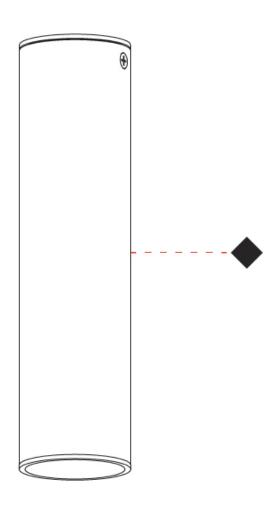
Ø40 mm 1 9/16"





D92105R9-

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	





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°

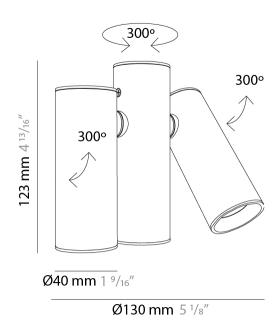
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

PROJECT TYPE SPECIFIER QUANTITY DATE





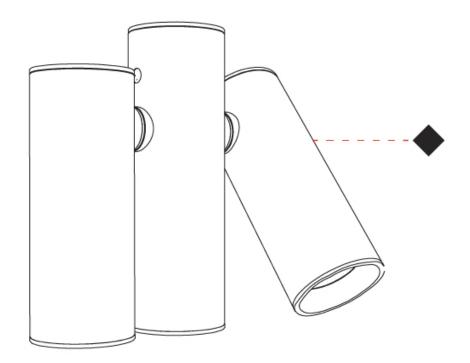




HAUL 3 LIGHT SURFACE

D92109R9-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





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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	
Cubaataaan Caata	

Subcategory: Spots
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 ½
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

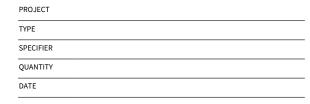
LED	
Number of LEDs: 2	
Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1000	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

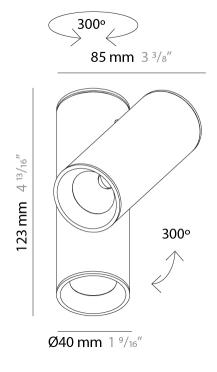
Beam Angle: 35
Adjustability: Rotational; Tilt 300°

RATINGS AND CERTIFICATIONS

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







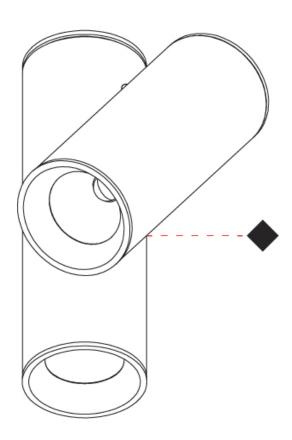




HAUL 2 LIGHT SURFACE

D92192R9-

PROJECT	
TYPE	-
SPECIFIER	_
QUANTITY	-
DATE	-





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 % 16
Length (mm): 98
Length (in): $3\frac{7}{18}$
Height (mm): 160
Height (in): 6 ⁵ / ₁₆
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

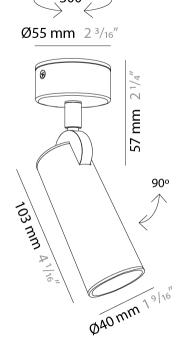
Adjustability: Rotational 300°; Tilt 90°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





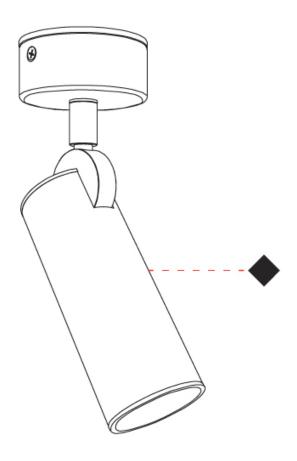






D92247-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







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
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

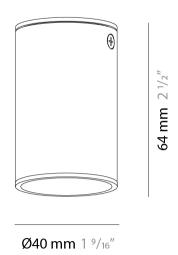
Beam Angle: 35

RATINGS AND CERTIFICATIONS

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





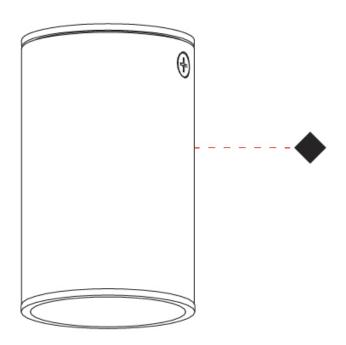






D92248-

PROJECT	
TYPE	
SPECIFIER	
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

· · · · · · · · · · · · · · · · · · ·
Shape: Cylinder
Diameter (mm): 55
Diameter (in): $2\frac{3}{16}$
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 Dimming	
Input Voltage (V): 120Vac Direct Line	
LED	

LED

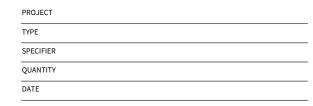
Number of LEDs: 1
Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 655
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

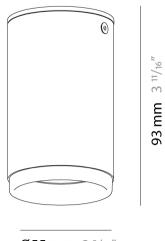
Beam Angle: 35

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







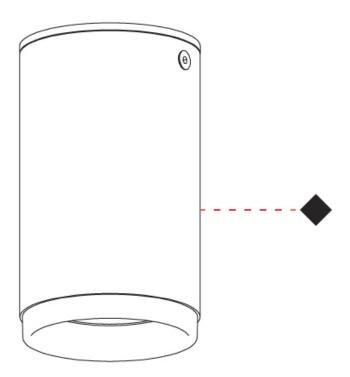
Ø55 mm 2 3/16"





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 ³ / ₁₆	
Height (mm): 210	
Height (in): 8 1/4	
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	
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











D92250-

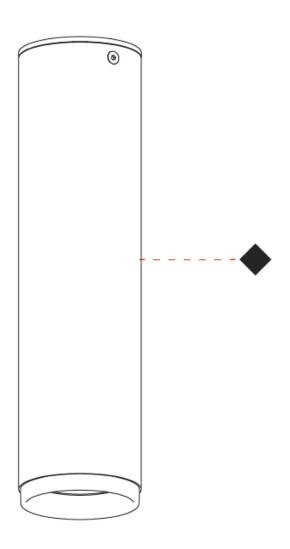
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE







HAUL - WALL SURFACE

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 $^{9}\!\!/_{16}$
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
FLECTRICAL

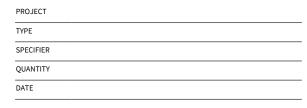
ELECTRICAL

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

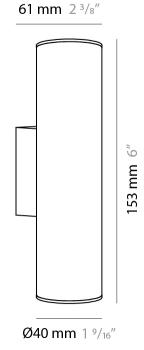
Beam Angle: 35

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







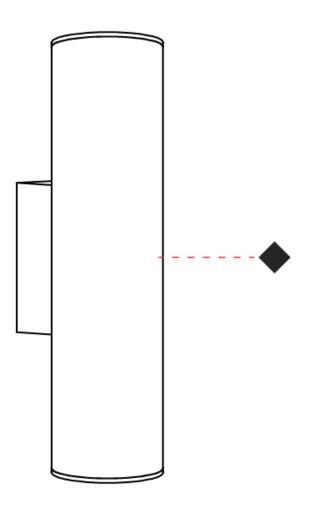




HAUL - WALL SURFACE

D93136R9-

PROJECT	
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DATE	





HAUL - WALL SURFACE

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

eries: Haul
ubseries: Haul - Wall
Brand: Milan
vivision: Design
Nounting Type: Surface
Mounting Location: Wall
ubcategory: On/Off Switch

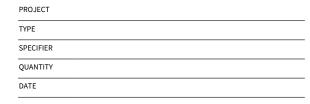
mounting Typer ourrace
Mounting Location: Wall
Subcategory: On/Off Switch
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 % 1
Length (mm): 65
Length (in): 2 ⁹ / ₁₆
Height (mm): 100
Height (in): 3 15/16
Extension (mm): 78
Extension (in): $3\frac{1}{16}$
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum
FLECTRICAL

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°

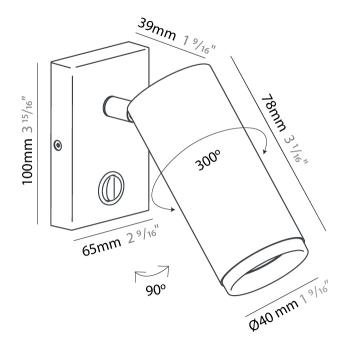
Adjustability: Rotational 300°; Tilt 90°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







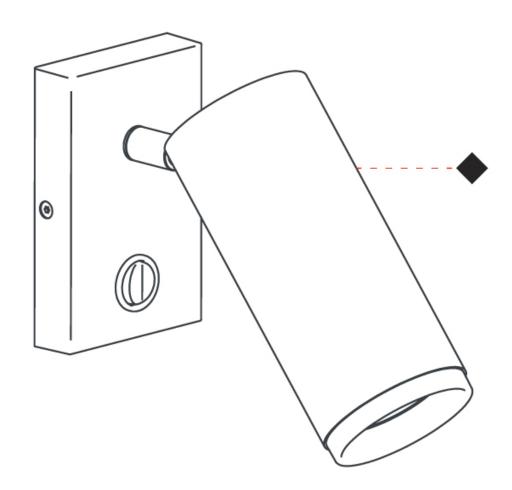




HAUL - WALL SURFACE

D93203R9-

PROJECT	
ТҮРЕ	
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QUANTITY	
DATE	





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

OLIVLIAL
Series: Haul
Brand: Milan
Division: Design
Mounting Type: Surface
Mounting Location: Wall
Subcategony: Snots

Mounting Type: Surface
Mounting Location: Wall
Subcategory: Spots
PHYSICAL
Shape: Cylinder
Diameter (mm): 55
Diameter (in): 1 $^{9}\!\!/_{16}$
Length (mm): 70
Length (in): 2 ³ / ₄
Height (mm): 100
Height (in): 3 15/16
Extension (mm): 120
Extension (in): 4 ³ / ₄
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum

Extension (m). 174
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

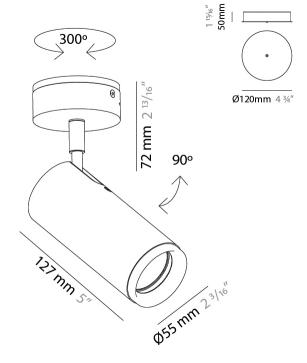
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







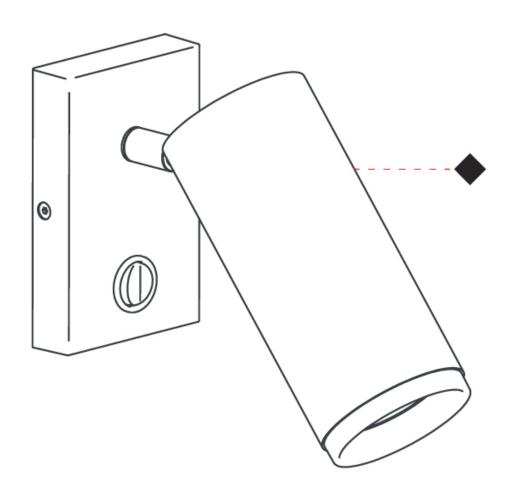




HAUL SURFACE

D93242-

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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 ¾
Light Distribution: Adjustable / Direct
Fixture Finish: MWL / MBQ
Fixture Material: Extruded Aluminum
FLECTRICAL

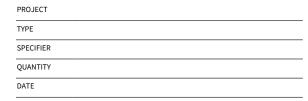
ELECTRICAL

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

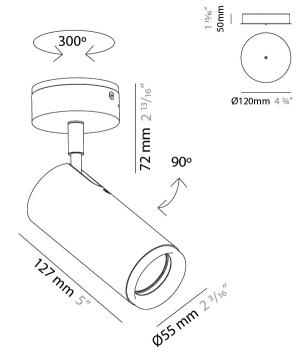
Beam Angle: 35

RATINGS AND CERTIFICATIONS

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







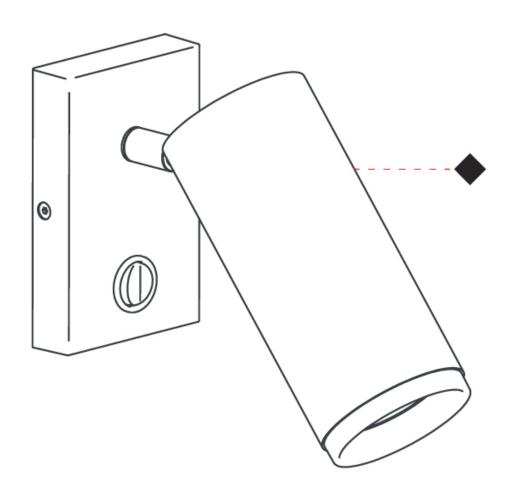




HAUL - WALL SURFACE

D93243-

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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

PHISICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 ½
Length (mm): 85
Length (in): 3 ³ / ₈
Extension (mm): 120
Extension (in): 4 ³ / ₄
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

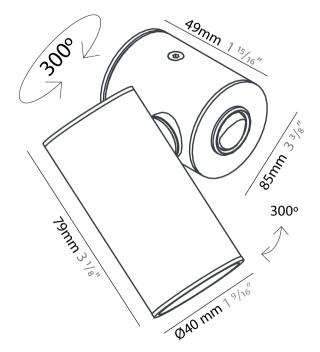
Beam Angle: 35

RATINGS AND CERTIFICATIONS

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











HAUL - WALL SURFACE

D93244-

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	





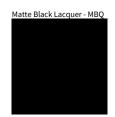


HAUL

PROJECT
ТУРЕ
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

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

LEGEND

100				-	1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u></u>	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	C	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	in the second	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	1	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	℃	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
$\overline{\Lambda}$	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	\odot	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	Ĉ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	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)	4	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
8	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
•	sensor	0	direct diffuser	շ (Մ) սո	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	O	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

above the surface)

IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
ІКОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
1K06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) $$
IKOB	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm