

## HAUL SUSPENSION

### D91213-

base number            Finish             
Options           

- To build a product code in our configurator select the specify button on the base model # product page
- 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             
Partner: Milan             
Division: Design             
Installation: Suspension             
Product Type: Pendant             
Mounting Location: Ceiling             
Light Distribution: Direct           

#### PHYSICAL

Shape: Cylinder             
Diameter (mm): 40             
Diameter (in): 1 5/16             
Height (mm): 153             
Height (in): 6             
Max. Overall Height (mm): 2153             
Max. Overall Height (in): 84 3/4             
Fixture Finish: MWL / MBQ             
Fixture Material: Extruded Aluminum             
Cable Details: 2900mm Cable           

#### ELECTRICAL

Number of Lamps: 1             
Lamp Type: LED Retrofit             
Max. Wattage Per Lamp (W): 5             
Input Voltage (V): 120           

#### LED

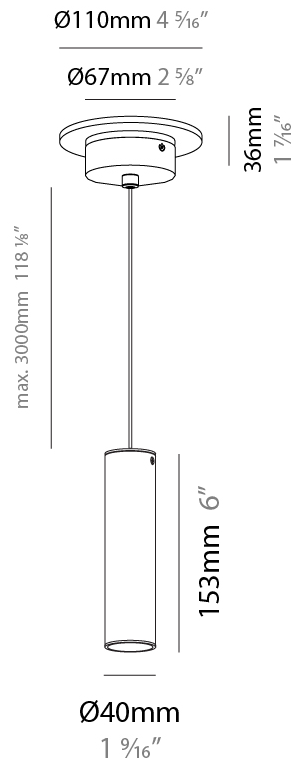
Number of LEDs: 1             
Color Temperature (°K): 2700             
Max. Delivered Lumen (lm): 500             
CRI: >90 CRI           

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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QUANTITY	_____
DATE	_____



## HAUL SUSPENSION

D91213-

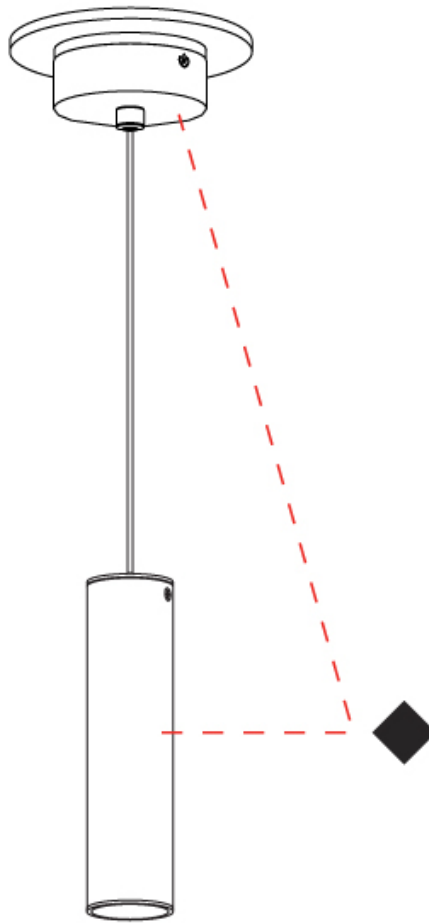
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## HAUL - CEILING SURFACE

### D92105R9-

base number Finish  
Options

- To build a product code in our configurator select the specify button on the base model # product page
- 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  
 Partner: Milan  
 Division: Design  
 Installation: Surface  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Direct

#### PHYSICAL

Aperture Sizes - Downlights: 1"  
 Shape: Cylinder  
 Diameter (mm): 40  
 Diameter (in): 1 9/16  
 Height (mm): 153  
 Height (in): 6  
 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

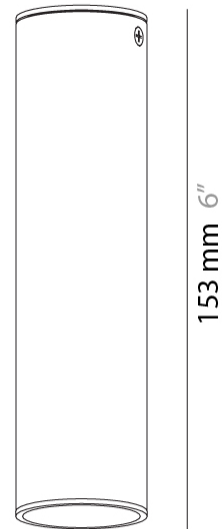
Number of LEDs: 1  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 500  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 35

#### RATINGS AND CERTIFICATIONS

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



Ø40 mm 1 9/16"



## HAUL - CEILING SURFACE

D92105R9-

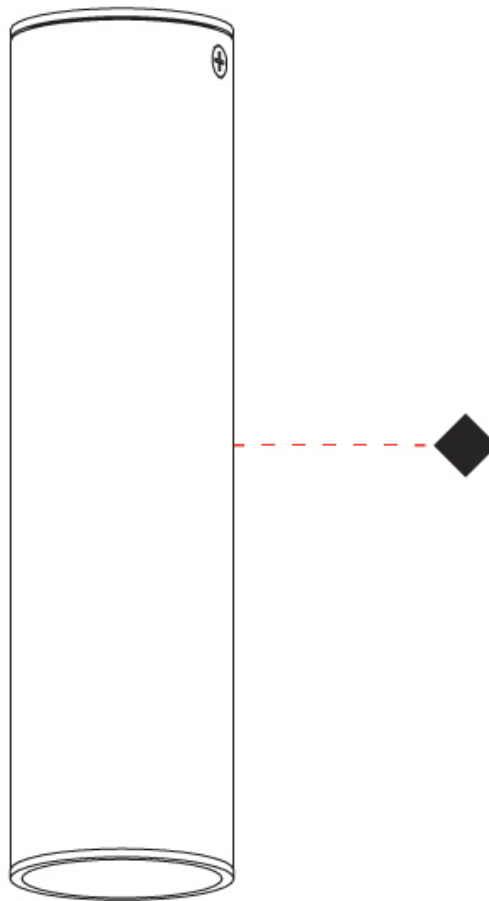
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## HAUL - CEILING SURFACE

### D92105R9- : D92105R9-MBQ

base number

- To build a product code in our configurator select the specify button on the base model # product page
- 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  
 Partner: Milan  
 Division: Design  
 Installation: Surface  
 Product Type: Downlight  
 Mounting Location: Ceiling  
 Light Distribution: Direct

#### PHYSICAL

Shape: Cylinder  
 Diameter (mm): 40  
 Diameter (in): 1 9/16  
 Height (mm): 153  
 Height (in): 6  
 Weight (kg): 1.4  
 Weight (lbs): 2.999  
 Fixture Finish: Matte Black Lacquer  
 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

#### RATINGS AND CERTIFICATIONS

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



153 mm 6"

Ø40 mm 1 9/16"



## HAUL - CEILING SURFACE

D92105R9- : D92105R9-MBQ

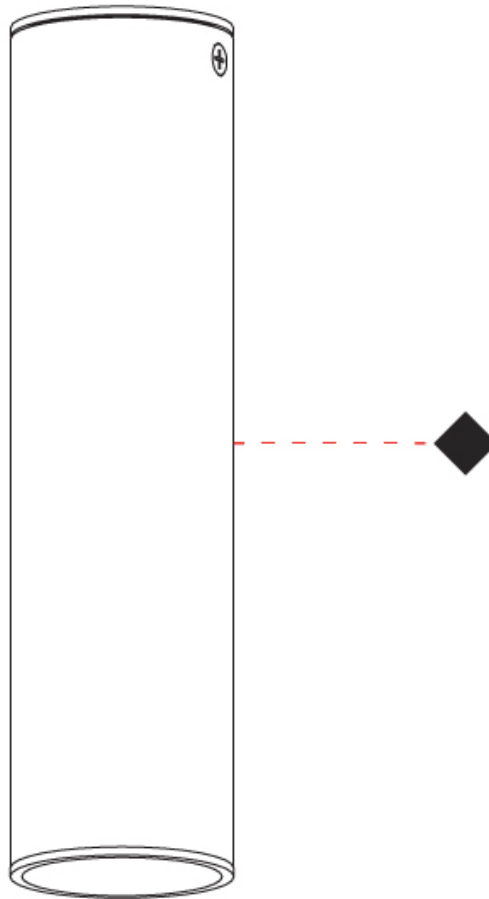
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## HAUL - CEILING SURFACE

### D92248-

base number            Finish             
Options           

- To build a product code in our configurator select the specify button on the base model # product page
- 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             
 Partner: Milan             
 Division: Design             
 Installation: Surface             
 Product Type: Downlight             
 Mounting Location: Ceiling             
 Light Distribution: Direct           

#### PHYSICAL

Aperture Sizes - Downlights: 1"             
 Shape: Cylinder             
 Diameter (mm): 40             
 Diameter (in): 1 <sup>9</sup>/<sub>16</sub>             
 Height (mm): 64             
 Height (in): 2 <sup>1</sup>/<sub>2</sub>             
 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

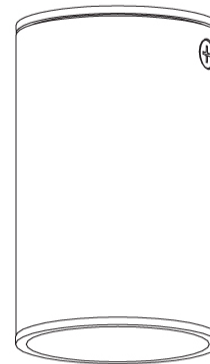
Number of LEDs: 1             
 Color Temperature (°K): 3000             
 Max. Delivered Lumen (lm): 500             
 CRI: >90 CRI             
 Lamp Life (hrs): 50000           

#### OPTICAL

Beam Angle: 35           

#### RATINGS AND CERTIFICATIONS

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



64 mm 2 1/2"

Ø40 mm 1 9/16"



## HAUL - CEILING SURFACE

D92248-

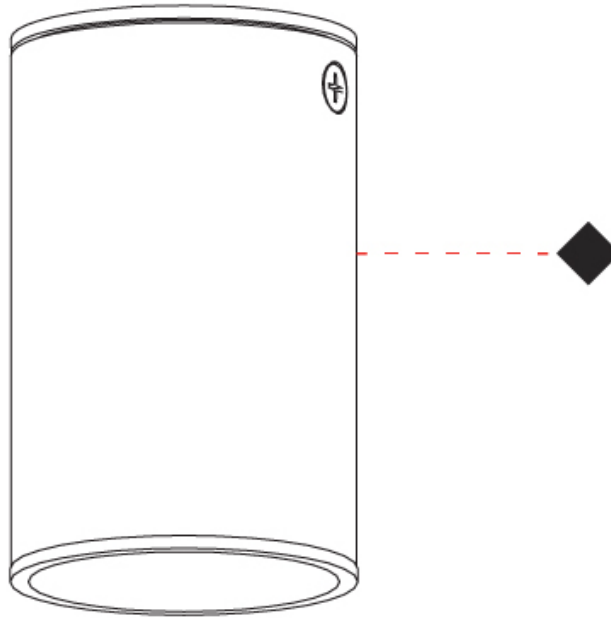
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## HAUL TRACK

### D96070-

base number                      Finish                       
Options                     

- To build a product code in our configurator select the specify button on the base model # product page
- 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                       
 Partner: Milan                       
 Division: Design                       
 Installation: Track                       
 Product Type: Track System Line Voltage                       
 Mounting Location: Ceiling                       
 Light Distribution: Direct                     

#### PHYSICAL

Aperture Sizes - Downlights: 1"                       
 Shape: Cylinder                       
 Diameter (mm): 40                       
 Diameter (in): 1 9/16                       
 Height (mm): 203                       
 Height (in): 8                       
 Max. Overall Height (mm): 1300                       
 Max. Overall Height (in): 51 7/16                       
 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

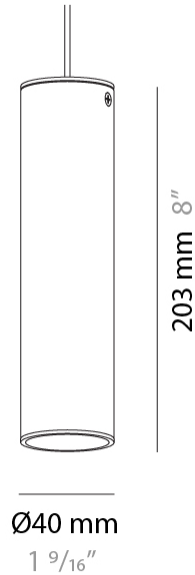
Number of LEDs: 1                       
 Color Temperature (°K): 3000                       
 Max. Delivered Lumen (lm): 500                       
 CRI: >90 CRI                       
 Lamp Life (hrs): 50000                     

#### OPTICAL

Reflector°: 35                       
 Beam Angle: 35                     

#### RATINGS AND CERTIFICATIONS

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



## HAUL TRACK

D96070-

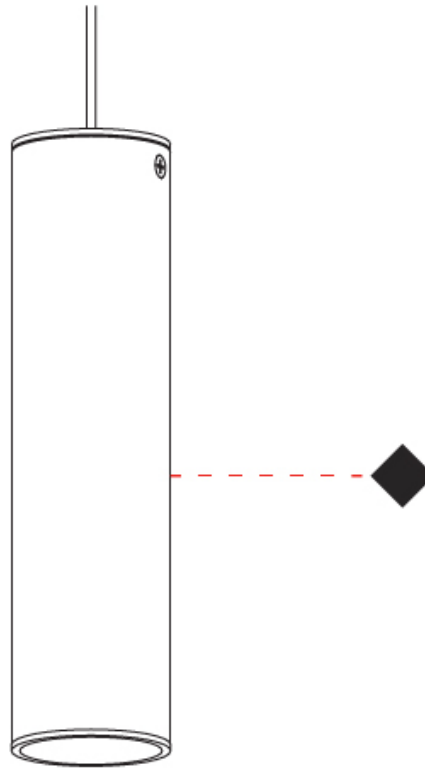
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## HAUL TRACK

### D96070- : D96070-MBL

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: Haul  
 Partner: Milan  
 Division: Design  
 Installation: Track  
 Product Type: Track System Line Voltage  
 Mounting Location: Ceiling  
 Light Distribution: Direct

#### PHYSICAL

Shape: Cylinder  
 Diameter (mm): 40  
 Height (mm): 203  
 Max. Overall Height (mm): 1300  
 Max. Overall Height (in): 51 <sup>3</sup>/<sub>16</sub>  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Total Output Wattage (W): 5  
 Driver Included: No  
 Input Voltage (V): 120

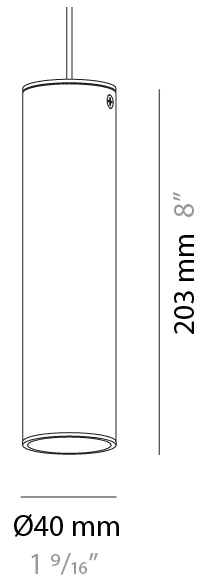
#### LED

Color Temperature (°K): 3000  
 Nominal Lumen (lm): 500  
 CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HAUL COLOR FINISH CHART

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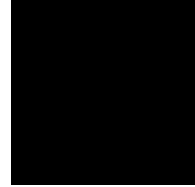
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### Fixture Finish

Matte White Lacquer - MWL



Matte Black Lacquer - MBQ



**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.



### 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
	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
	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)