

## HAUL SUSPENSION

### D91208-

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): 55             
Diameter (in): 2 3/16             
Height (mm): 210             
Height (in): 8 1/4             
Max. Overall Height (mm): 2210             
Max. Overall Height (in): 87             
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): 7             
Lamp Base: GU10             
Input Voltage (V): 120           

#### LED

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

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

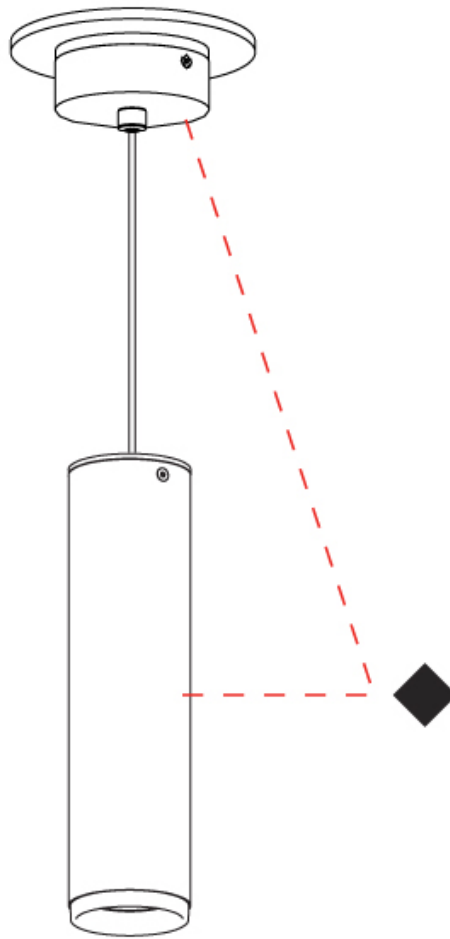
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## HAUL SUSPENSION

D91208-

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## 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           

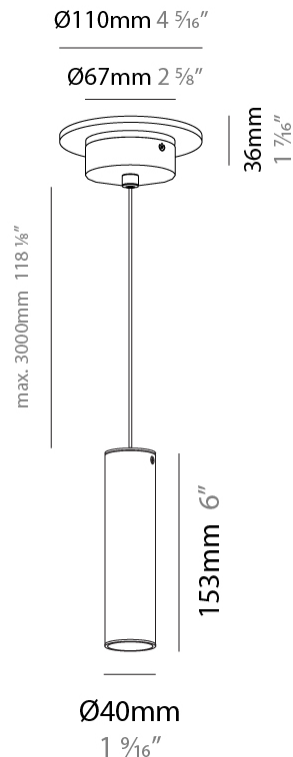
#### LED

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           



## HAUL SUSPENSION

D91213-

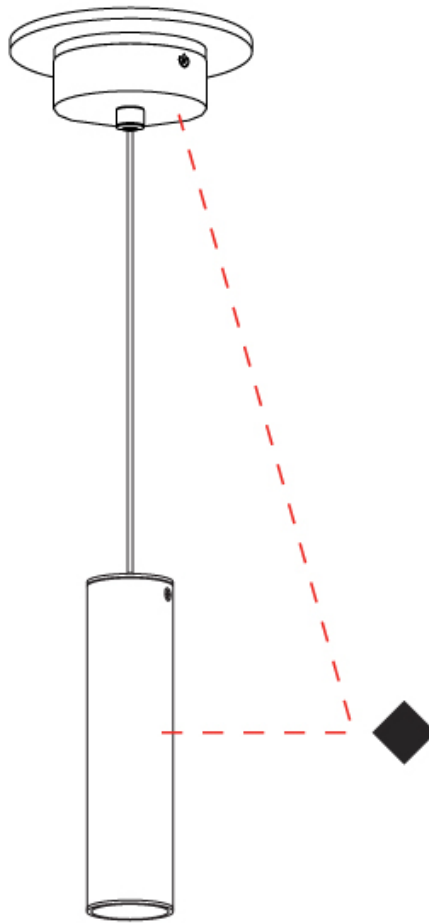
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## HAUL - CEILING SURFACE

### 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-

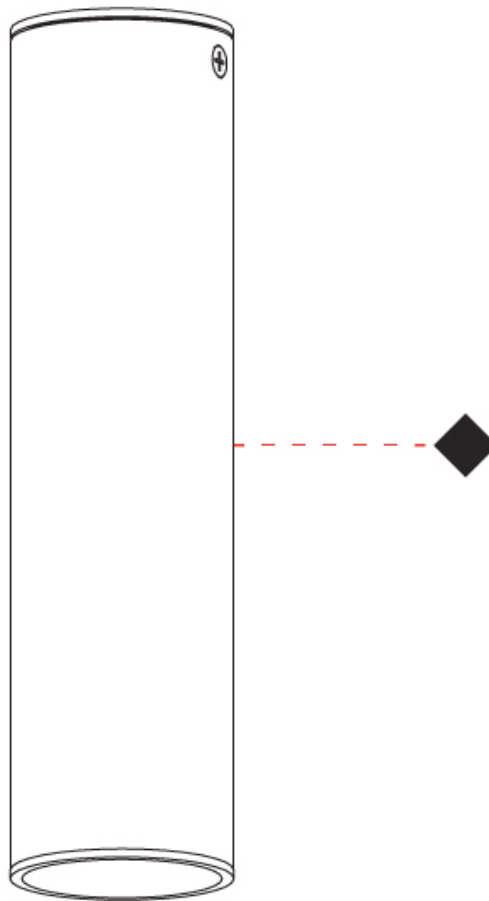
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## HAUL - CEILING SURFACE

### 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

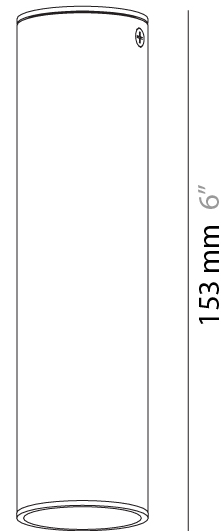
#### LED

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

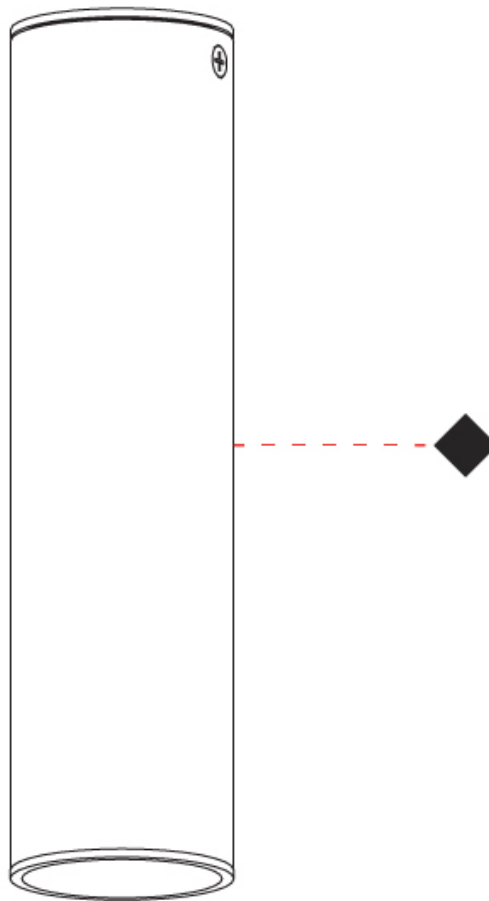
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## HAUL - CEILING SURFACE

### 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           

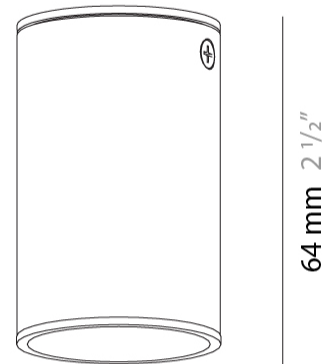
#### OPTICAL

Beam Angle: 35           

#### RATINGS AND CERTIFICATIONS

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

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Ø40 mm 1 <sup>9</sup>/<sub>16</sub>"



## HAUL - CEILING SURFACE

D92248-

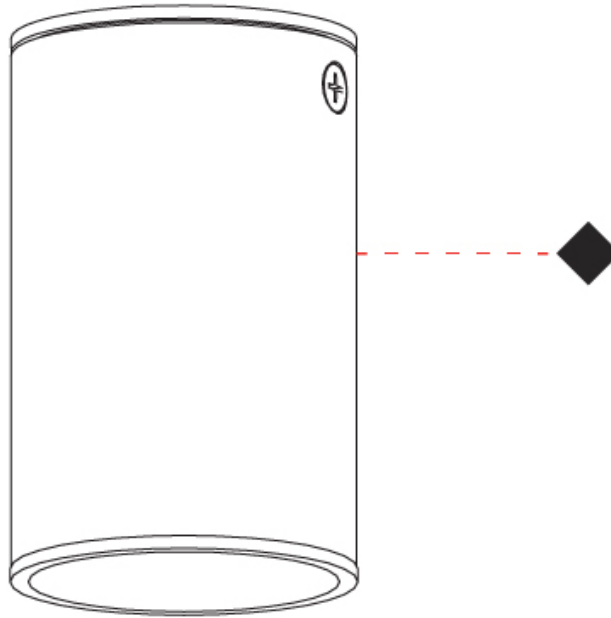
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## HAUL - CEILING SURFACE

### D92249-

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: 2"             
 Shape: Cylinder             
 Diameter (mm): 55             
 Diameter (in): 2 <sup>3</sup>/<sub>16</sub>             
 Height (mm): 93             
 Height (in): 3 <sup>11</sup>/<sub>16</sub>             
 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

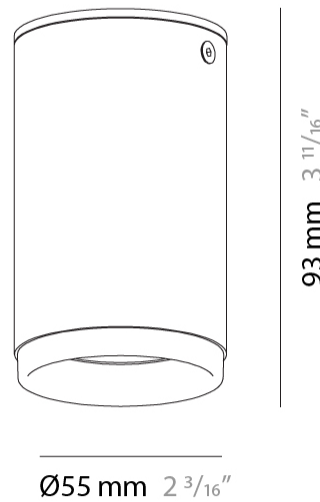
Number of LEDs: 1             
 Color Temperature (°K): 3000             
 Max. Delivered Lumen (lm): 655             
 CRI: >90 CRI             
 Lamp Life (hrs): 50000           

#### OPTICAL

Beam Angle: 35           

#### RATINGS AND CERTIFICATIONS

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



## HAUL - CEILING SURFACE

D92249-

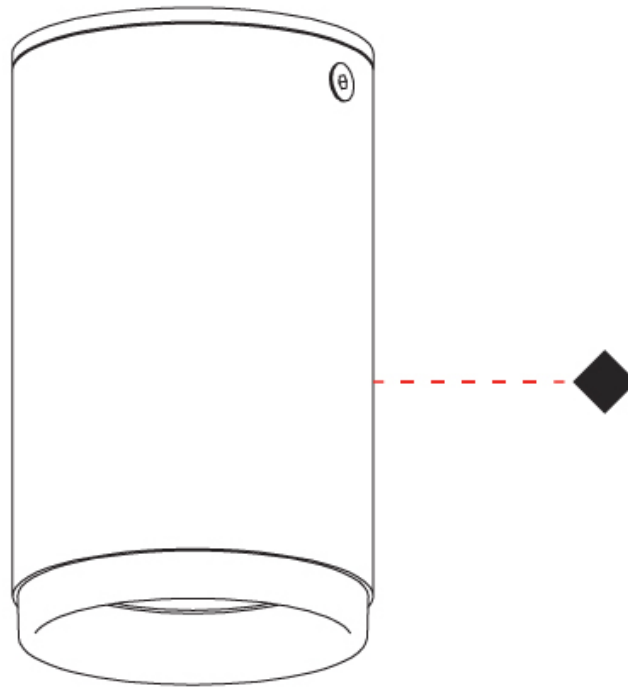
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| SPECIFIER |
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## HAUL - CEILING SURFACE

### D92250-

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: 2"                       
 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>                       
 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

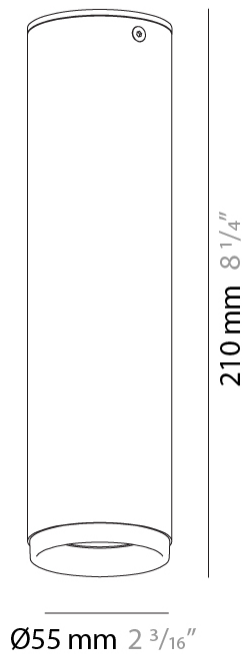
Number of LEDs: 1                       
 Color Temperature (°K): 3000                       
 Max. Delivered Lumen (lm): 655                       
 CRI: >90 CRI                       
 Lamp Life (hrs): 50000                     

#### OPTICAL

Beam Angle: 35                     

#### RATINGS AND CERTIFICATIONS

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



## HAUL - CEILING SURFACE

D92250-

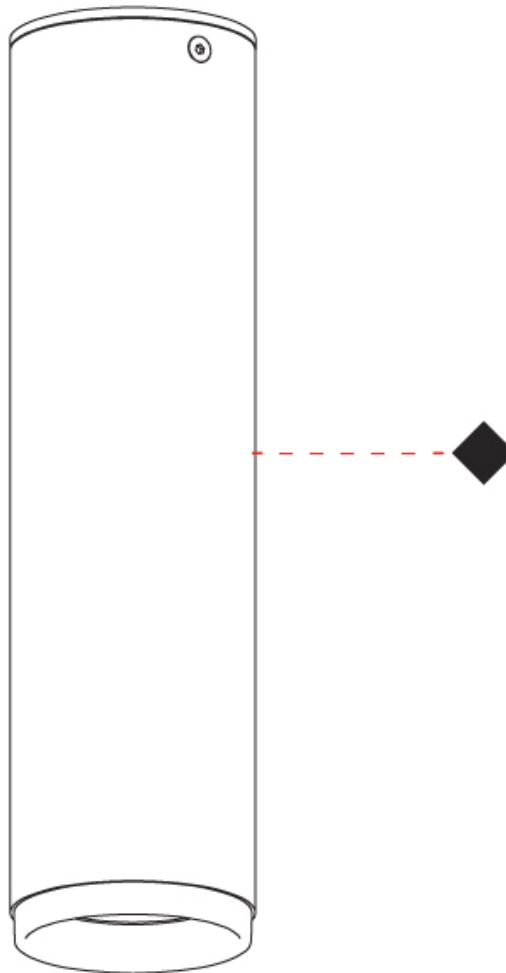
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## HAUL TRACK

### 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

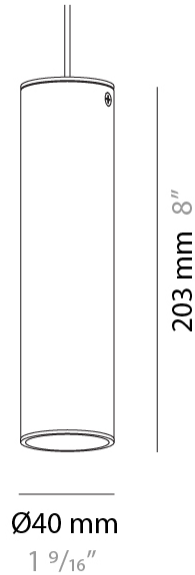
Number of LEDs: 1             
 Color Temperature (°K): 3000             
 Max. Delivered Lumen (lm): 500             
 CRI: >90 CRI             
 Lamp Life (hrs): 50000           

#### OPTICAL

Reflector°: 35             
 Beam Angle: 35           

#### RATINGS AND CERTIFICATIONS

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



## HAUL TRACK

D96070-

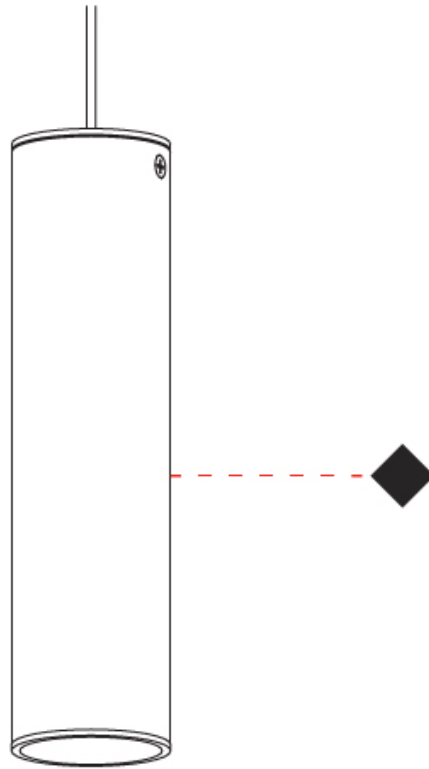
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## HAUL TRACK

### D96070- : D96070-MBL

base number

- 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

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

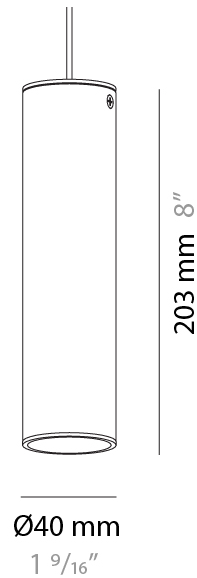
#### LED

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



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## HAUL TRACK

### D96071-

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): 55             
 Diameter (in): 2 <sup>3</sup>/<sub>16</sub>             
 Height (mm): 203             
 Height (in): 8             
 Max. Overall Height (mm): 1300             
 Max. Overall Height (in): 51 <sup>7</sup>/<sub>16</sub>             
 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

Reflector°: 35             
 Beam Angle: 35           

#### RATINGS AND CERTIFICATIONS

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



## HAUL TRACK

D96071-

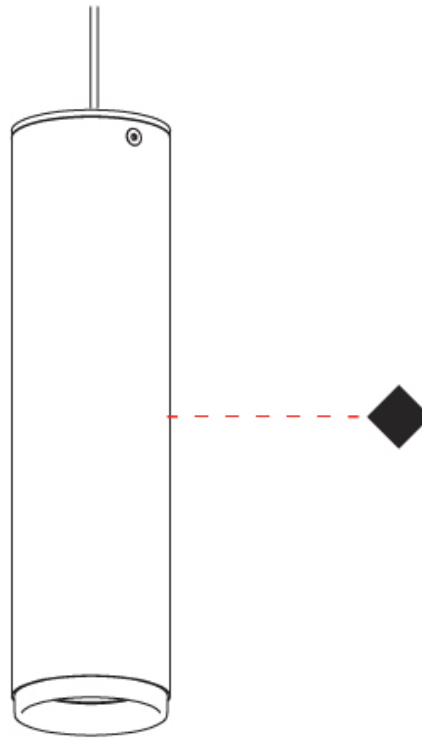
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QUANTITY

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## HAUL COLOR FINISH CHART

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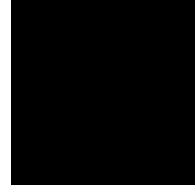
DATE

### 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.













## HAUL











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