

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## DAU SINGLE SURFACE

### D92014-

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: Dau \_\_\_\_\_  
 Subseries: Dau Single \_\_\_\_\_  
 Brand: Milan \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Mounting Type: Surface \_\_\_\_\_  
 Mounting Location: Ceiling \_\_\_\_\_  
 Subcategory: Downlight \_\_\_\_\_

#### PHYSICAL

Shape: Cube \_\_\_\_\_  
 Length (mm): 80 \_\_\_\_\_  
 Length (in): 3 1/8 \_\_\_\_\_  
 Width (mm): 80 \_\_\_\_\_  
 Width (in): 3 1/8 \_\_\_\_\_  
 Height (mm): 87 \_\_\_\_\_  
 Height (in): 3 7/16 \_\_\_\_\_  
 Light Distribution: Direct \_\_\_\_\_  
 Weight (kg): 0.82 \_\_\_\_\_  
 Weight (lbs): 1.81 \_\_\_\_\_  
 Fixture Finish: [BAL / MWL / BSL](#) \_\_\_\_\_  
 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

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## DAU SINGLE SURFACE

D92014-

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PROJECT	_____
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## DAU SINGLE SURFACE

### D92019-

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: Dau \_\_\_\_\_  
 Subseries: Dau Single \_\_\_\_\_  
 Brand: Milan \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Mounting Type: Surface \_\_\_\_\_  
 Subcategory: Spots \_\_\_\_\_

#### PHYSICAL

Shape: Cube \_\_\_\_\_  
 Length (mm): 80 \_\_\_\_\_  
 Length (in): 3 1/8 \_\_\_\_\_  
 Width (mm): 83 \_\_\_\_\_  
 Width (in): 3 1/4 \_\_\_\_\_  
 Height (mm): 80 \_\_\_\_\_  
 Height (in): 3 1/8 \_\_\_\_\_  
 Max. Overall Height (mm): 160 \_\_\_\_\_  
 Max. Overall Height (in): 6 5/16 \_\_\_\_\_  
 Light Distribution: Adjustable / Direct \_\_\_\_\_  
 Weight (kg): 0.82 \_\_\_\_\_  
 Weight (lbs): 1.81 \_\_\_\_\_  
 Fixture Finish: [BAL](#) / [MWL](#) / [BSL](#) \_\_\_\_\_  
 Fixture Material: Extruded Aluminum \_\_\_\_\_

#### ELECTRICAL

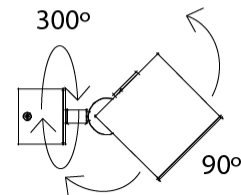
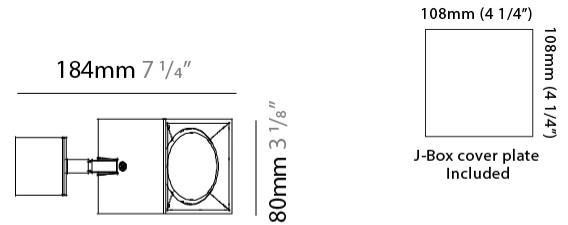
Number of Lamps: 1 \_\_\_\_\_  
 Lamp Type: LED Retrofit \_\_\_\_\_  
 Lamp Shape: MR16 \_\_\_\_\_  
 Bulb Included: Bulb Not Included \_\_\_\_\_  
 Max. Wattage Per Lamp (W): 4 \_\_\_\_\_  
 Lamp Base: GU10 \_\_\_\_\_  
 Input Voltage (V): 120 \_\_\_\_\_

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## DAU SINGLE SURFACE

D92019-

PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



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## DAU SINGLE SURFACE

### D92126R9-

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: Dau  
 Subseries: Dau Single  
 Brand: Milan  
 Division: Design  
 Mounting Type: Surface  
 Mounting Location: Ceiling  
 Subcategory: Downlight

#### PHYSICAL

Shape: Cube  
 Length (mm): 80  
 Length (in): 3 1/8  
 Width (mm): 80  
 Width (in): 3 1/8  
 Height (mm): 91  
 Height (in): 3 9/16  
 Light Distribution: Direct  
 Fixture Finish: BAL / MWL / BSL  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
 Input Wattage (W): 10  
 Total Output Wattage (W): 9.3  
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
 Driver Included: No  
 Driver Location: Remote  
 Driver Type: Constant Current  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 350

#### LED

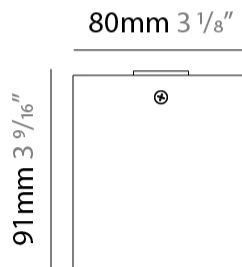
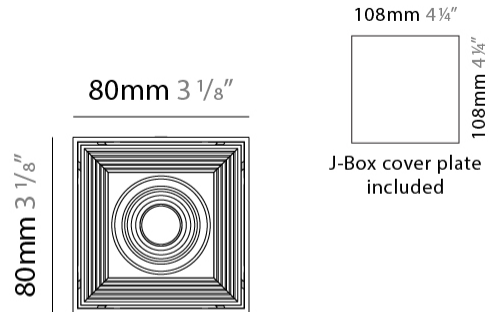
Number of LEDs: 1  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 956  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

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DATE



## DAU SINGLE SURFACE

D92126R9-

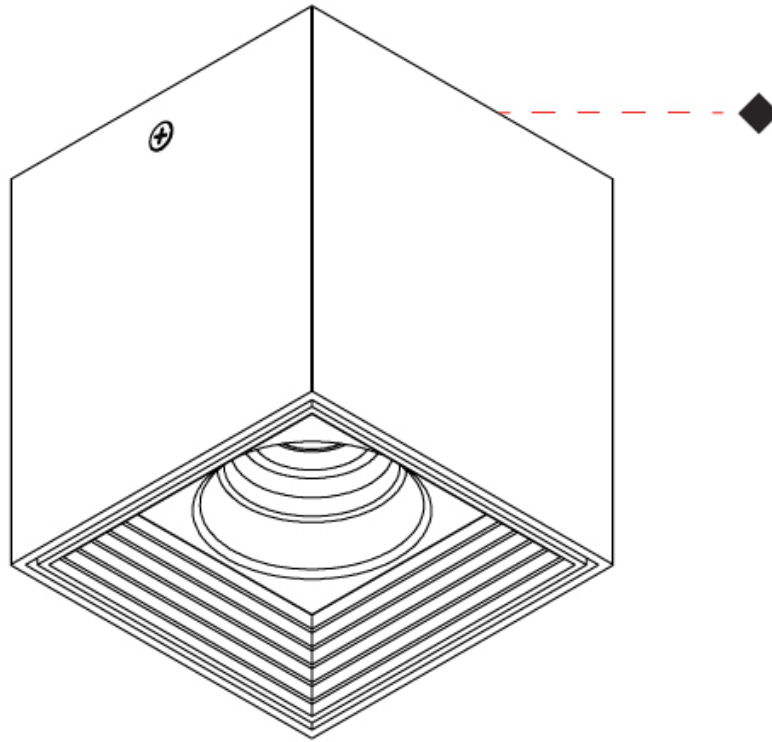
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



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PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## DAU SINGLE SURFACE

### D92130R9-

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: Dau \_\_\_\_\_  
 Subseries: Dau Single \_\_\_\_\_  
 Brand: Milan \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Mounting Type: Surface \_\_\_\_\_  
 Mounting Location: Ceiling \_\_\_\_\_  
 Subcategory: Downlight \_\_\_\_\_

#### PHYSICAL

Shape: Cube \_\_\_\_\_  
 Length (mm): 50 \_\_\_\_\_  
 Length (in): 2 \_\_\_\_\_  
 Width (mm): 50 \_\_\_\_\_  
 Width (in): 2 \_\_\_\_\_  
 Height (mm): 60 \_\_\_\_\_  
 Height (in): 2 3/8 \_\_\_\_\_  
 Light Distribution: Direct \_\_\_\_\_  
 Fixture Finish: [BAL / MWL / BSL](#) \_\_\_\_\_  
 Fixture Material: Extruded Aluminum \_\_\_\_\_

#### ELECTRICAL

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

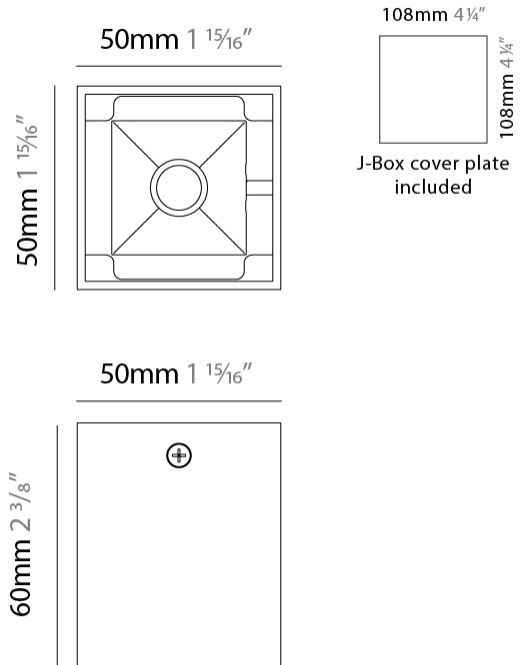
#### LED

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

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

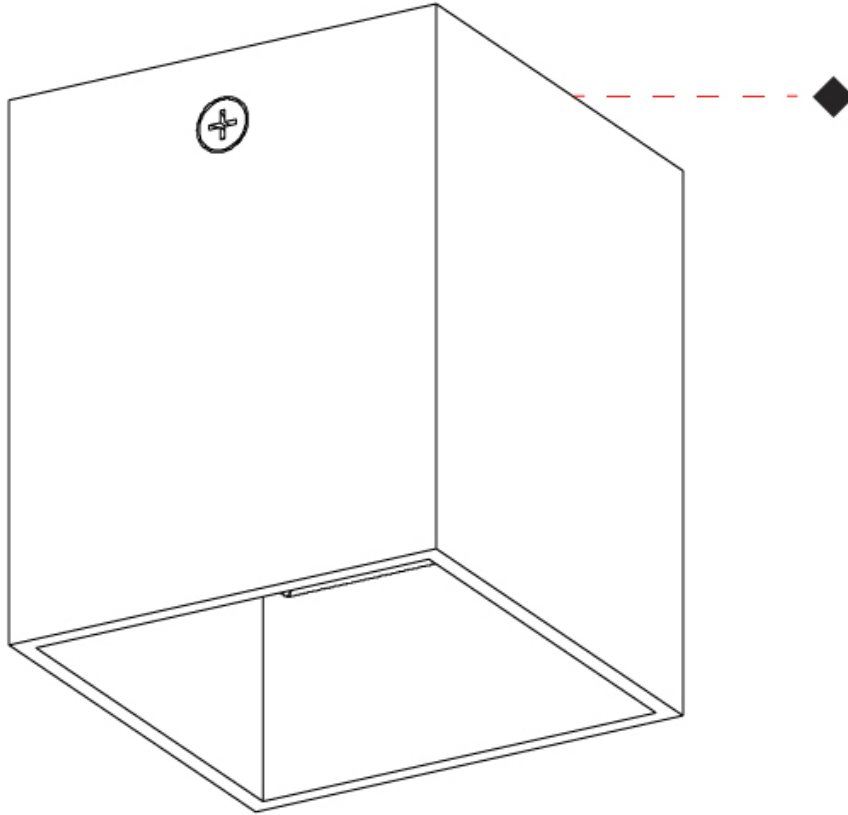
Certified By: Certified for North American Standards \_\_\_\_\_  
 IP rating: IP20 \_\_\_\_\_



## DAU SINGLE SURFACE

D92130R9-

PROJECT	_____
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PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

## DAU SINGLE ADJUSTABLE SURFACE

### D92188R9-

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: Dau  
Subseries: Dau Single Adjustable  
Brand: Milan  
Division: Design  
Mounting Type: Surface  
Subcategory: Spots

#### PHYSICAL

Shape: Cube  
Length (mm): 80  
Length (in): 3 1/8  
Width (mm): 80  
Width (in): 3 1/8  
Height (mm): 86  
Height (in): 3 3/8  
Max. Overall Height (mm): 164  
Max. Overall Height (in): 6 7/16  
Light Distribution: Adjustable / Direct  
Fixture Finish: BAL / MWL / BSL  
Fixture Material: Extruded Aluminum

#### ELECTRICAL

Lamp Type: LED  
Input Wattage (W): 10  
Total Output Wattage (W): 9.3  
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
Driver Included: No  
Driver Location: Remote  
Driver Type: Constant Current - 120 / 277Vac  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 350

#### LED

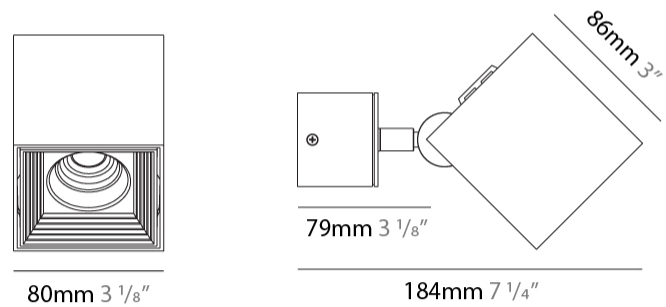
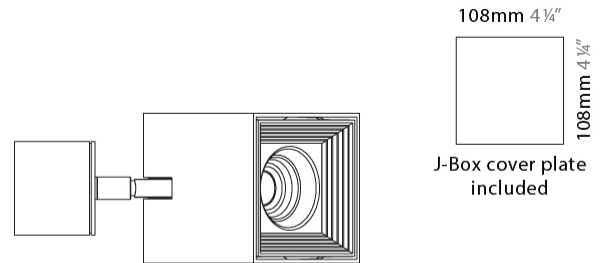
Number of LEDs: 1  
Color Temperature (°K): 3000  
Max. Delivered Lumen (lm): 956  
CRI: >90 CRI  
Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 50  
Adjustability: Rotational 300°; Tilt 90°

#### RATINGS AND CERTIFICATIONS

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



## DAU SINGLE ADJUSTABLE SURFACE

D92188R9-

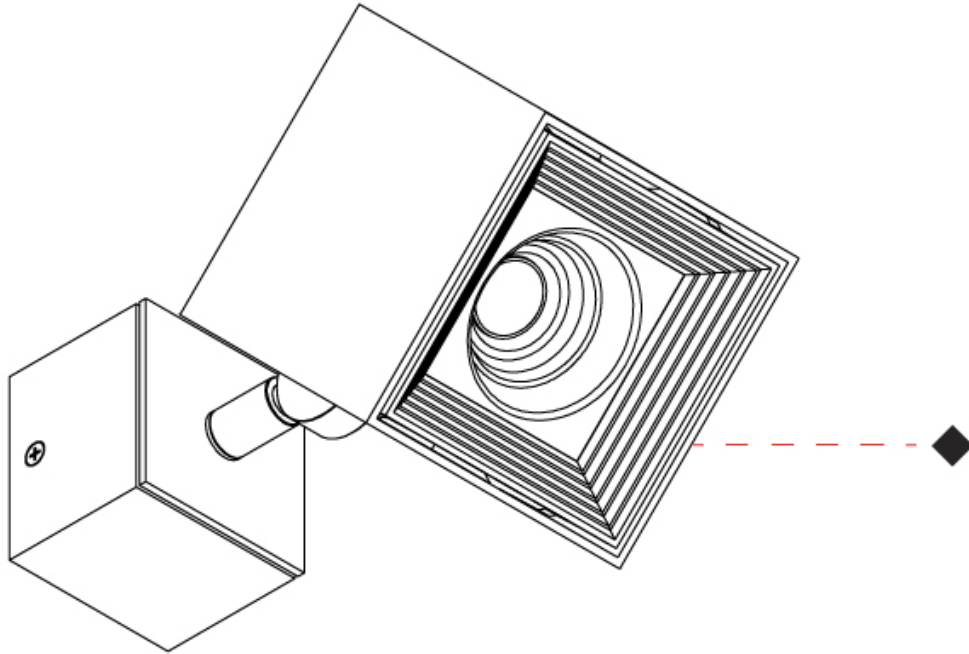
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



## DAU SINGLE COVERED SURFACE

### D93081-

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: Dau \_\_\_\_\_  
 Subseries: Dau Single Covered \_\_\_\_\_  
 Brand: Milan \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Mounting Type: Surface \_\_\_\_\_  
 Mounting Location: Wall \_\_\_\_\_  
 Subcategory: Downlight \_\_\_\_\_

#### PHYSICAL

Shape: Cube \_\_\_\_\_  
 Length (mm): 80 \_\_\_\_\_  
 Length (in): 3 1/8 \_\_\_\_\_  
 Height (mm): 84 \_\_\_\_\_  
 Depth (mm): 101 \_\_\_\_\_  
 Height (in): 3 1/3 \_\_\_\_\_  
 Depth (in): 4 \_\_\_\_\_  
 Extension (mm): 101 \_\_\_\_\_  
 Extension (in): 4 \_\_\_\_\_  
 Light Distribution: Direct \_\_\_\_\_  
 Weight (kg): 0.82 \_\_\_\_\_  
 Weight (lbs): 1.81 \_\_\_\_\_  
 Fixture Finish: [BAL / MWL / BSL](#) \_\_\_\_\_  
 Fixture Material: Extruded Aluminum \_\_\_\_\_

#### ELECTRICAL

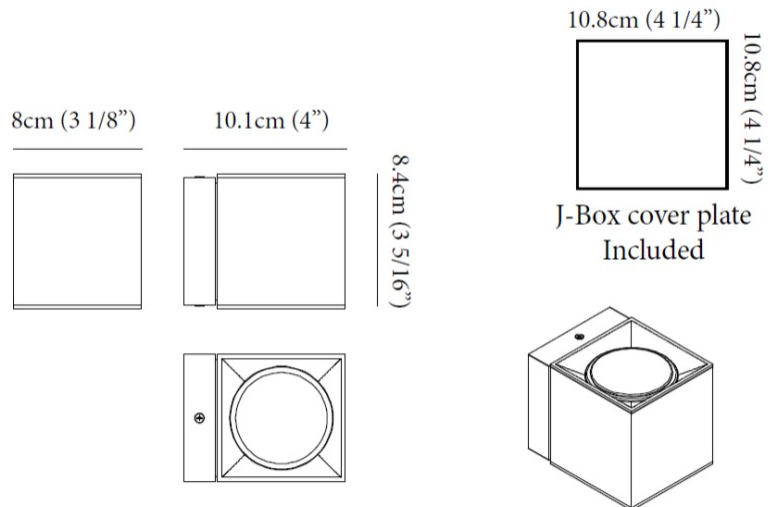
Number of Lamps: 1 \_\_\_\_\_  
 Lamp Type: LED Retrofit \_\_\_\_\_  
 Lamp Shape: MR16 \_\_\_\_\_  
 Bulb Included: Bulb Not Included \_\_\_\_\_  
 Max. Wattage Per Lamp (W): 4 \_\_\_\_\_  
 Lamp Base: GU10 \_\_\_\_\_  
 Input Voltage (V): 120Vac Direct Line \_\_\_\_\_

#### LED

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

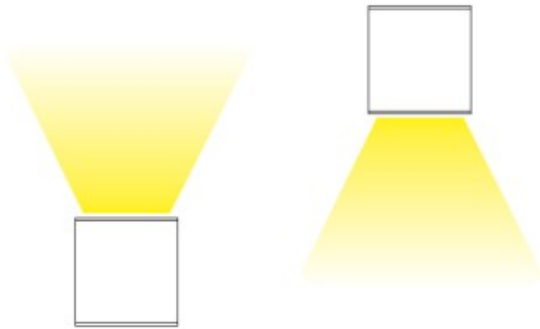
Certified By: Certified for North American Standards \_\_\_\_\_  
 IP rating: IP20 \_\_\_\_\_



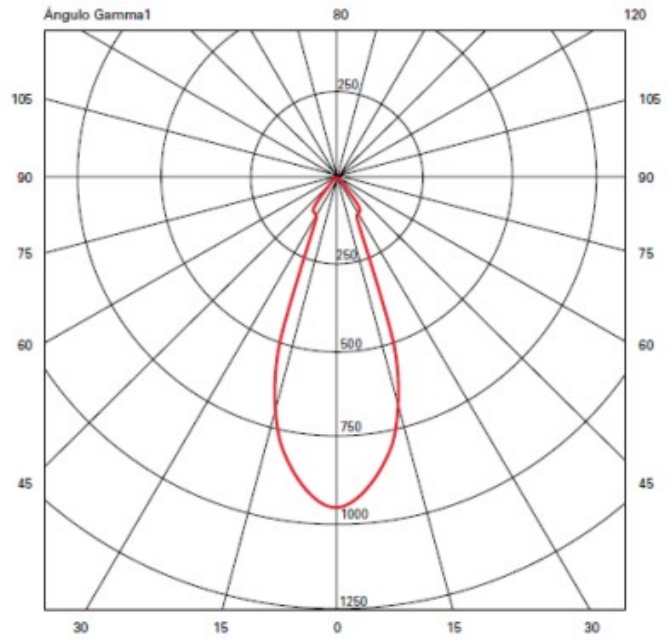
## DAU SINGLE COVERED SURFACE

D93081-

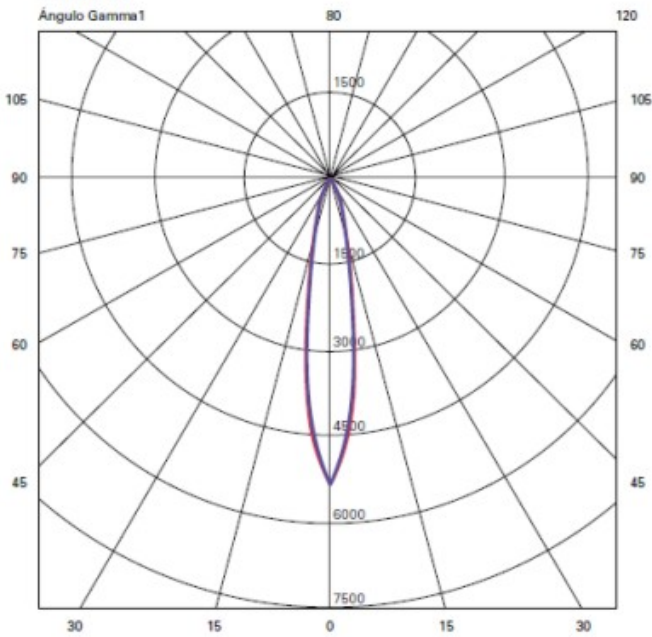
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HALOGEN 75 W



LED 5 W



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## DAU MINI SINGLE SURFACE

### D93130R9-

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: Dau \_\_\_\_\_  
 Subseries: Dau Mini Single \_\_\_\_\_  
 Brand: Milan \_\_\_\_\_  
 Division: Design \_\_\_\_\_  
 Mounting Type: Surface \_\_\_\_\_  
 Mounting Location: Wall \_\_\_\_\_  
 Subcategory: Up/Down Light \_\_\_\_\_

#### PHYSICAL

Shape: Cube \_\_\_\_\_  
 Length (mm): 50 \_\_\_\_\_  
 Length (in): 1 <sup>15</sup>/<sub>16</sub> \_\_\_\_\_  
 Height (mm): 50 \_\_\_\_\_  
 Height (in): 1 <sup>15</sup>/<sub>16</sub> \_\_\_\_\_  
 Extension (mm): 60 \_\_\_\_\_  
 Extension (in): 2 <sup>3</sup>/<sub>8</sub> \_\_\_\_\_  
 Light Distribution: Direct / Indirect \_\_\_\_\_  
 Fixture Finish: CHR / MBL / MWL \_\_\_\_\_  
 Fixture Material: Extruded Aluminum \_\_\_\_\_

#### ELECTRICAL

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

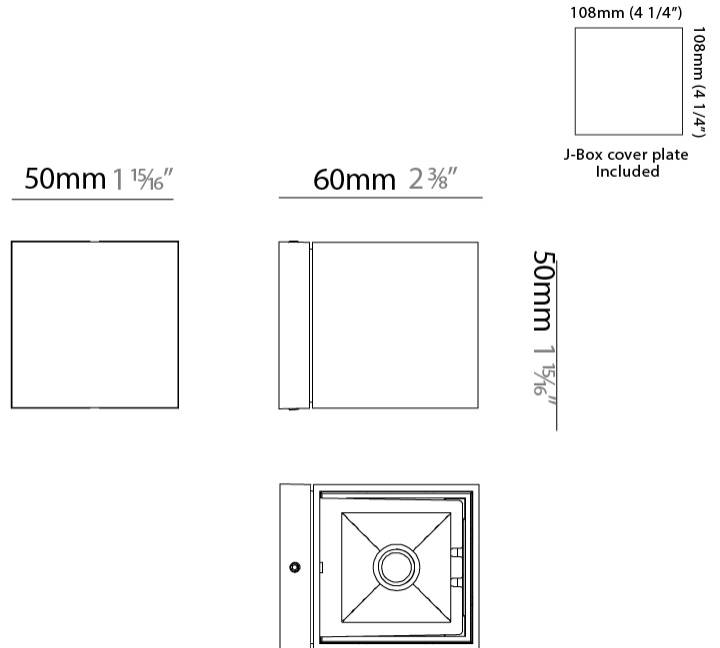
#### LED

Number of LEDs: 2 \_\_\_\_\_  
 Color Temperature (°K): 3000 \_\_\_\_\_  
 Max. Delivered Lumen (lm): 1000 \_\_\_\_\_  
 CRI: >90 CRI \_\_\_\_\_

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

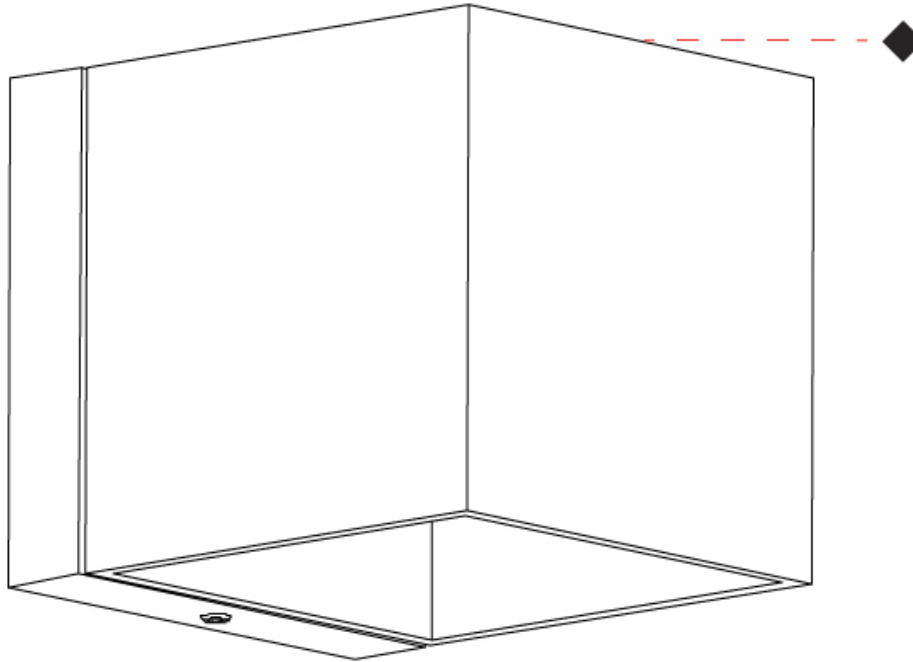
Certified By: Certified for North American Standards \_\_\_\_\_  
 IP rating: IP20 \_\_\_\_\_



## DAU MINI SINGLE SURFACE

D93130R9-

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PROJECT	_____
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DATE	_____

## DAU SINGLE SURFACE

### D93132R9-

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: Dau  
Subseries: Dau Single  
Brand: Milan  
Division: Design  
Mounting Type: Surface  
Mounting Location: Wall  
Subcategory: Downlight

#### PHYSICAL

Shape: Cube  
Length (mm): 50  
Length (in): 2  
Height (mm): 53  
Depth (mm): 60  
Height (in): 2 1/16  
Depth (in): 2 3/8  
Extension (mm): 60  
Extension (in): 2 3/8  
Light Distribution: Direct  
[Fixture Finish: CHR / MBL / MWL](#)  
Fixture Material: Extruded Aluminum

#### ELECTRICAL

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

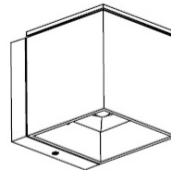
#### LED

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

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



10.8cm (4 1/4")



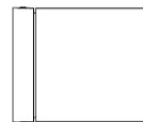
10.8cm (4 1/4")

J-Box cover plate  
Included

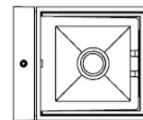
5cm (1 15/16")



6cm (2 3/8")



53mm (2 1/16")

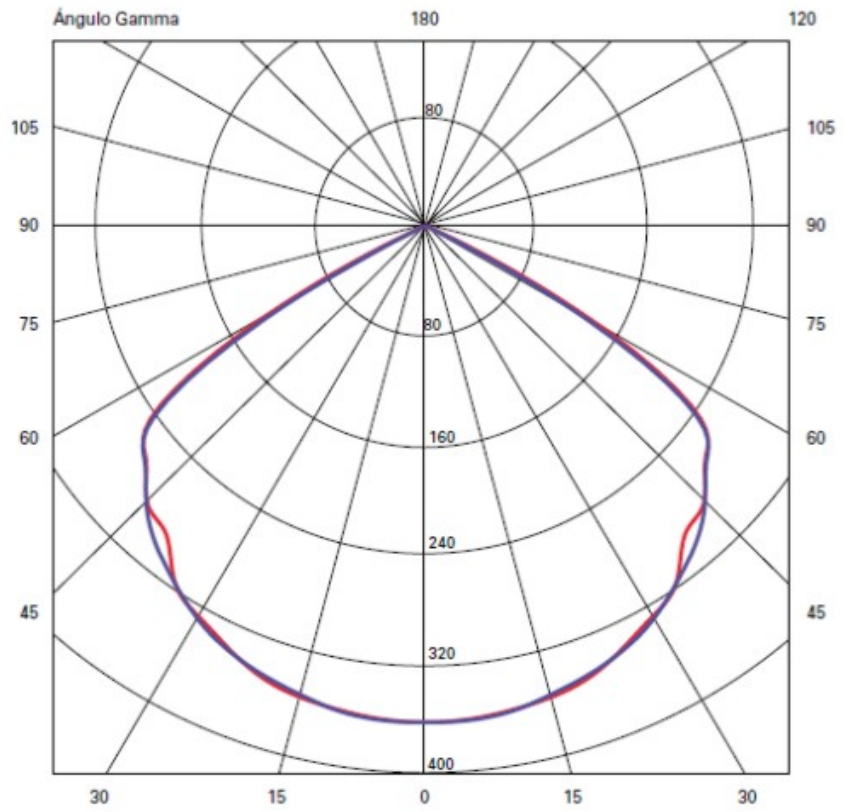
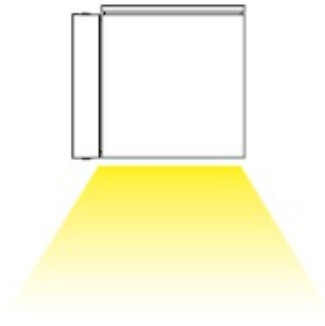




## DAU SINGLE SURFACE

D93132R9-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



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## DAU SINGLE SURFACE

### D93239-

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: Dau                       
Subseries: Dau Single                       
Brand: Milan                       
Division: Design                       
Mounting Type: Surface                       
Mounting Location: Wall                       
Subcategory: Downlight                     

#### PHYSICAL

Shape: Cube                       
Length (mm): 80                       
Length (in): 3 1/8                       
Height (mm): 80                       
Depth (mm): 101                       
Height (in): 3 1/8                       
Depth (in): 4                       
Extension (mm): 101                       
Extension (in): 4                       
Light Distribution: Direct                       
Fixture Finish: [BAL](#) / [MWL](#) / [BSL](#)                       
Fixture Material: Extruded Aluminum                     

#### ELECTRICAL

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

#### LED

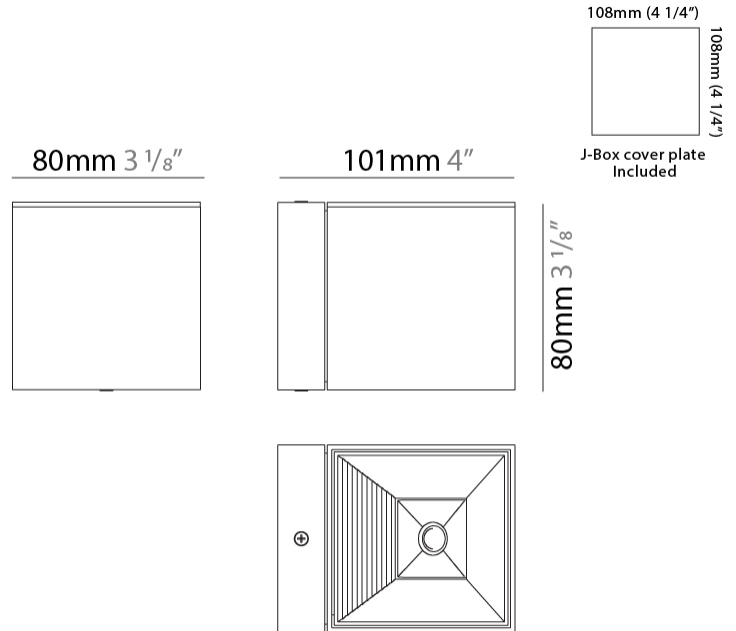
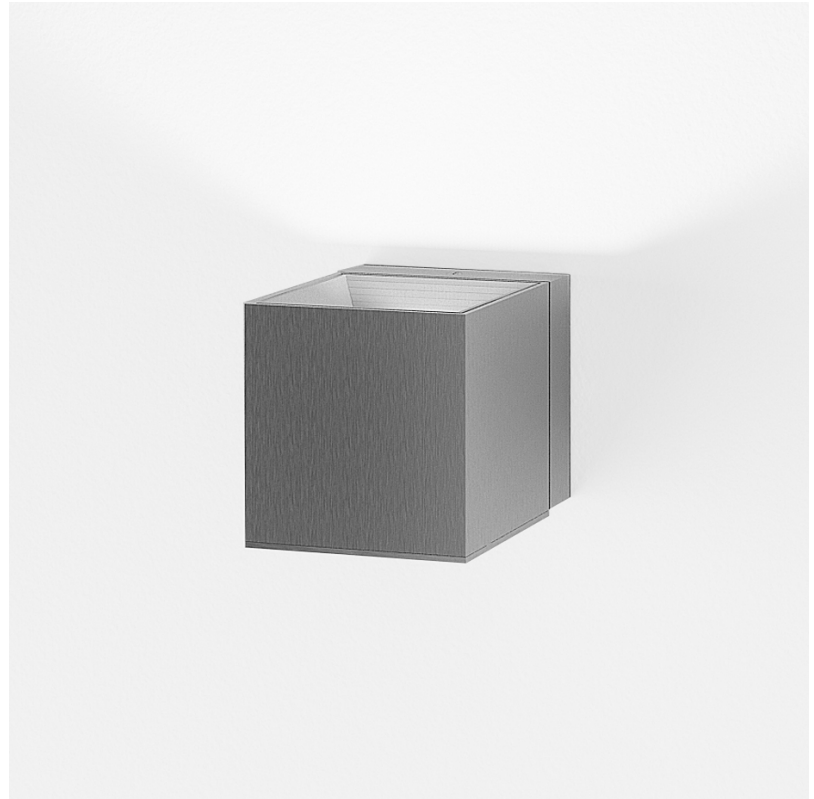
Number of LEDs: 1                       
Color Temperature (°K): 3000                       
Max. Delivered Lumen (lm): 665                       
CRI: >90 CRI                       
Lamp Life (hrs): 50000                     

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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

PROJECT	_____
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## DAU SINGLE SURFACE

D93239-

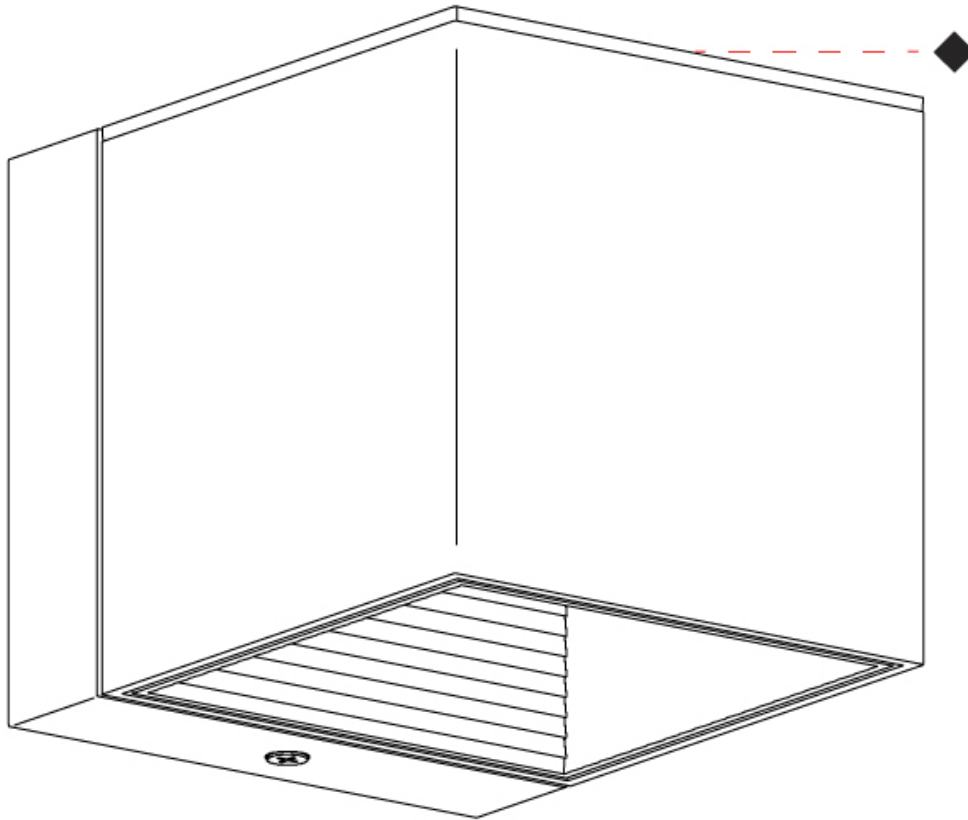
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

## DAU SINGLE TRACK

### D96048R9-

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: Dau  
 Subseries: Dau Single  
 Brand: Milan  
 Division: Design  
 Mounting Type: Track  
 Mounting Location: Ceiling  
 Subcategory: Spots

#### PHYSICAL

Shape: Cube  
 Width (mm): 80  
 Width (in): 3 1/8  
 Height (mm): 165  
 Height (in): 6 1/2  
 Light Distribution: Adjustable / Direct  
 Fixture Finish: BAL / MWL / BSL  
 Fixture Material: Extruded Aluminum

#### ELECTRICAL

Number of Lamps: 1  
 Lamp Type: LED  
 Total Output Wattage (W): 9.3  
 Dimming: Phase Dimming (120Vac Only)  
 Input Voltage (V): 120

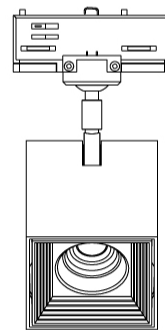
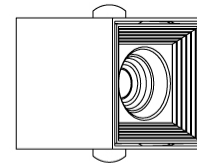
#### LED

Number of LEDs: 1  
 Color Temperature (°K): 3000  
 Max. Delivered Lumen (lm): 956  
 CRI: >90 CRI  
 Lamp Life (hrs): 50000

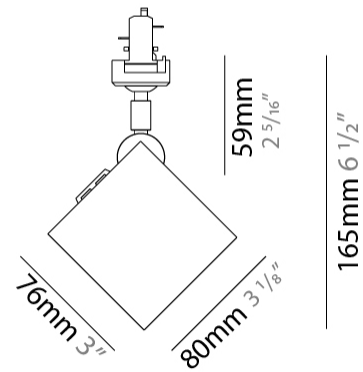
#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



80mm 3 1/8"



## DAU SINGLE TRACK

D96048R9-

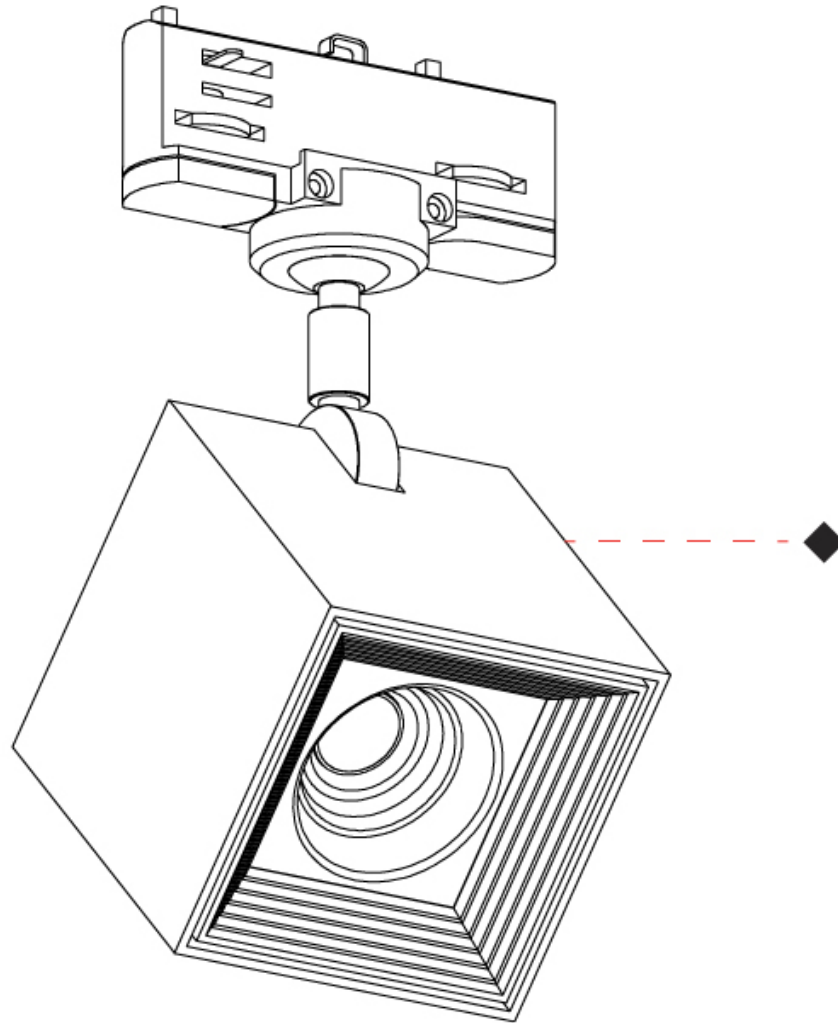
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



D

## DAU SINGLE TRACK

### D96052-

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: Dau             
Subseries: Dau Single             
Brand: Milan             
Division: Design             
Mounting Type: Track             
Mounting Location: Ceiling             
Subcategory: Spots           

#### PHYSICAL

Shape: Cube             
Width (mm): 80             
Width (in): 3 1/8             
Height (mm): 162             
Height (in): 6 3/8             
Light Distribution: Adjustable / Direct             
Fixture Finish: [BAL](#) / [MWL](#) / [BSL](#)             
Fixture Material: Extruded Aluminum           

#### ELECTRICAL

Number of Lamps: 1             
Lamp Type: LED Retrofit             
Bulb Included: Bulb Not Included             
Max. Wattage Per Lamp (W): 8             
Lamp Base: GU10             
Driver Included: No             
Input Voltage (V): 120           

#### LED

#### OPTICAL

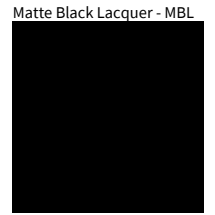
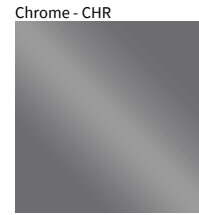
#### RATINGS AND CERTIFICATIONS

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



PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

### Fixture Finish



**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.





PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

### 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

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

IK01	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm 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)
IK06	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)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)