

D92014-

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: Surface | |
| Mounting Location: Ceiling | |
| Subcategory: Downlight | |

| Mounting Location: Ceiling |
|-------------------------------------|
| Subcategory: Downlight |
| PHYSICAL |
| Shape: Cube |
| Length (mm): 80 |
| Length (in): 3 1/8 |
| Width (mm): 80 |
| Width (in): 3 ½ |
| Height (mm): 87 |
| Height (in): 3 1/16 |
| 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

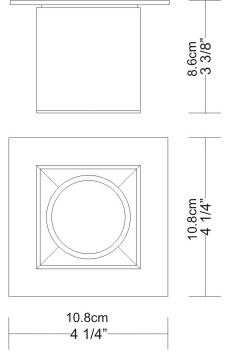
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20





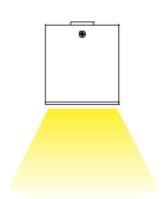


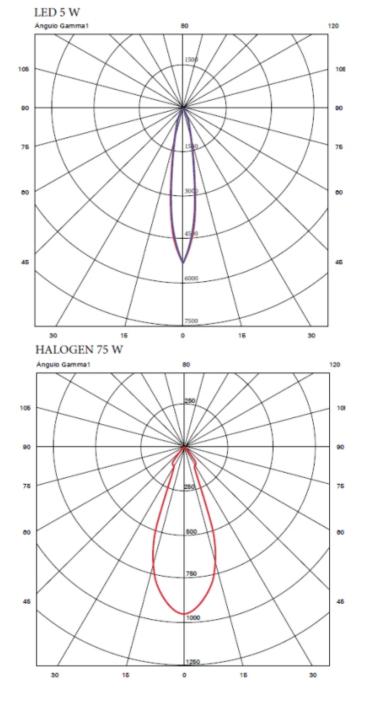




D92014-

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |









D92019-

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

| 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

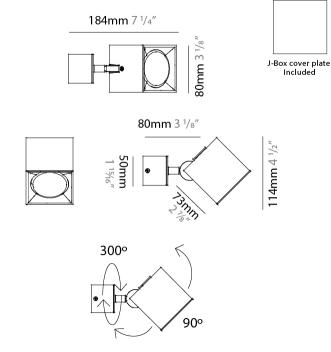
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







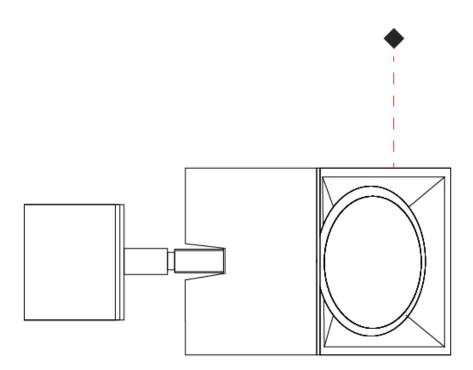


108mm (4 1/4")



D92019-

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







D92126R9-

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

| Mounting Location: Ceiling |
|---|
| Subcategory: Downlight |
| PHYSICAL |
| Shape: Cube |
| Length (mm): 80 |
| Length (in): 3 1/8 |
| Width (mm): 80 |
| Width (in): $3\frac{1}{8}$ |
| Height (mm): 91 |
| Height (in): 3 ⁹ / ₁₆ |
| Light Distribution: Direct |
| Fixture Finish: BAL / MWL / BSL |
| Fixture Material: Extruded Aluminum |
| TI TOTAL |

ELECTRICAL

| 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

| PROJECT | | |
|-----------|--|--|
| TYPE | | |
| SPECIFIER | | |
| QUANTITY | | |
| DATE | | |



80mm 3 1/8"

80mm 3 1/8"

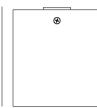
108mm 41/4"



J-Box cover plate included

80mm 3 1/8"

91mm 3 ⁹/₁₆"

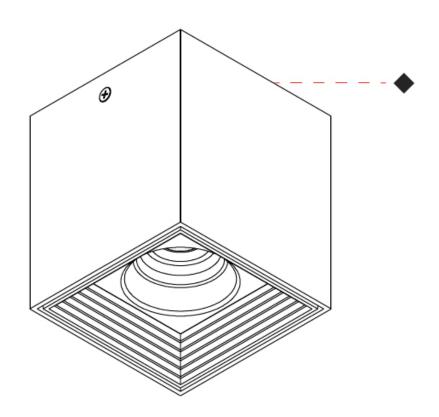






D92126R9-

| PROJECT | |
|-----------|---|
| ТҮРЕ | - |
| SPECIFIER | - |
| QUANTITY | _ |
| DATE | - |







D92130R9-

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: Surface | |
| Mounting Location: Ceiling | |
| Subcategory: Downlight | |

| Modifing Location. Ceiting | |
|--|--|
| 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 | |
| | |

| Tixture Material. Extruded Aldiffillum |
|---|
| 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

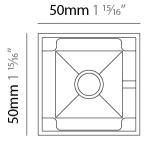
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

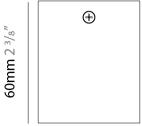










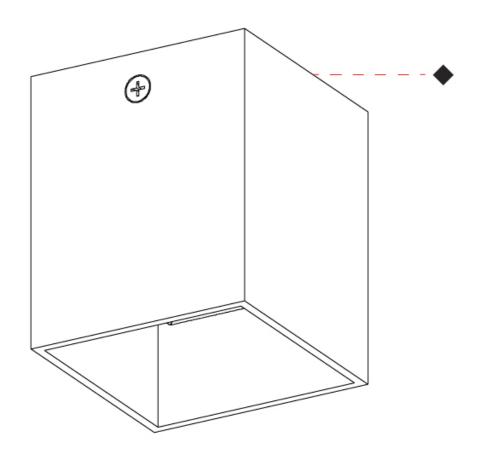


50mm 1 15/16"





D92130R9-





ZANEEN®

DAU SINGLE SURFACE

D93041-

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: Dau | |
|----------------------------|--|
| Subseries: Dau Single | |
| Brand: Milan | |
| Division: Design | |
| Mounting Type: Surface | |
| Mounting Location: Wall | |
| Subcategory: Up/Down Light | |

PHYSICAL

| 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 / Indirect | |
| 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: T4 | |
| Bulb Included: Bulb Not Included | |
| Max. Wattage Per Lamp (W): 3.5 | |
| Lamp Base: G9 | |
| Input Voltage (V): 120Vac Direct Line | |
| | |

LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







08mm (4 1/4")

J-Box cover plate Included





80mm 3 1/8"



101mm 4"

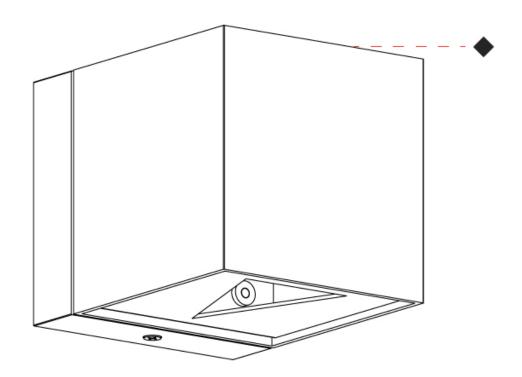






D93041-

| PROJECT | |
|-----------|--|
| ТҮРЕ | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







D93044-

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: Dau | |
|----------------------------|--|
| Subseries: Dau Single | |
| Brand: Milan | |
| Division: Design | |
| Mounting Type: Surface | |
| Mounting Location: Wall | |
| Subcategory: Up/Down Light | |

| Division. Design |
|---------------------------------------|
| Mounting Type: Surface |
| Mounting Location: Wall |
| Subcategory: Up/Down Light |
| PHYSICAL |
| Shape: Rectangle |
| Length (mm): 80 |
| Length (in): $3\frac{1}{8}$ |
| Height (mm): 174 |
| Depth (mm): 101 |
| Height (in): 6 1/11 |
| Depth (in): 4 |
| Extension (mm): 101 |
| Extension (in): 4 |
| Light Distribution: Direct / Indirect |
| Weight (kg): 1.23 |
| Weight (lbs): 2.71 |
| Fixture Finish: BAL / MWL / BSL |
| Fixture Material: Extruded Aluminum |
| ELECTRICAL |

| rixture Material: Extruded Aturninum |
|---------------------------------------|
| ELECTRICAL |
| Number of Lamps: 2 |
| Lamp Type: LED Retrofit |
| Lamp Shape: MR16 |
| Bulb Included: Bulb Not Included |
| Max. Wattage Per Lamp (W): 5 |
| Lamp Base: GU10 |
| Input Voltage (V): 120Vac Direct Line |
| LED |

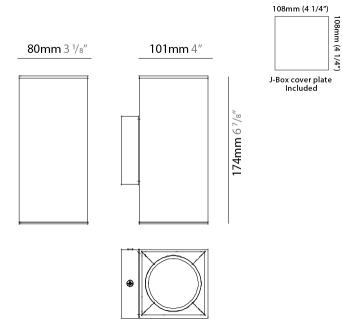
OPTICAL

RATINGS AND CERTIFICATIONS

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



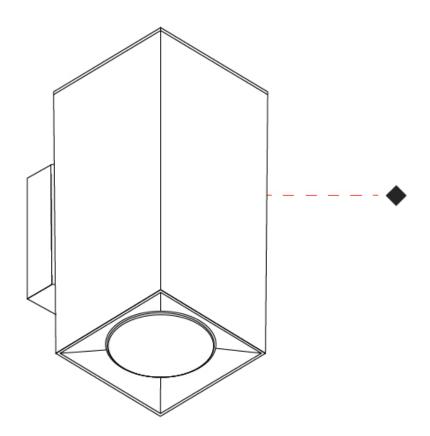








D93044-







D93148R9-

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: Dau | |
|----------------------------|--|
| Subseries: Dau Single | |
| Brand: Milan | |
| Division: Design | |
| Mounting Type: Surface | |
| Mounting Location: Wall | |
| Subcategory: Up/Down Light | |

| PHYSICAL |
|---------------------------------------|
| Shape: Cube |
| Length (mm): 80 |
| Length (in): 3 1/8 |
| Height (mm): 80 |
| Height (in): 3 1/8 |
| Extension (mm): 101 |
| Extension (in): 4 |
| Light Distribution: Direct / Indirect |
| Fixture Finish: BAL / MWL / BSL |
| Fixture Material: Extruded Aluminum |

ELECTRICAL

| Lamp Type: LED | |
|--|--|
| Input Wattage (W): 14 | |
| Dimming: Electronic Low Voltage Dimming to 20% | |
| Input Voltage (V): 120Vac Direct Line | |

LED

| Number of LEDs: 2 | |
|---------------------------------|--|
| Color Temperature (°K): 3000 | |
| Max. Delivered Lumen (lm): 1330 | |
| CRI: >90 CRI | |

OPTICAL

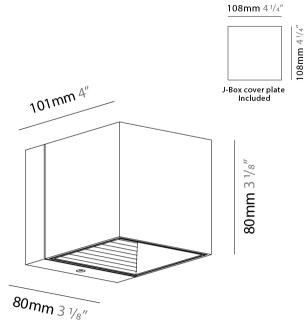
RATINGS AND CERTIFICATIONS

| Certified By: Certified for North American Standards |
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| ID rating ID44 |

IP rating: IP44



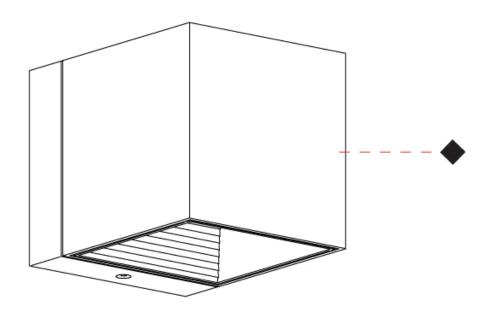








D93148R9-







D93152R9-

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: Dau | |
|----------------------------|--|
| Subseries: Dau Single | |
| Brand: Milan | |
| Division: Design | |
| Mounting Type: Surface | |
| Mounting Location: Wall | |
| Subcategory: Up/Down Light | |

| Subcategory: Up/Down Light |
|---------------------------------------|
| PHYSICAL |
| Shape: Rectangle |
| Length (mm): 80 |
| Length (in): 3 ½ |
| Height (mm): 170 |
| Height (in): 6 11/16 |
| Extension (mm): 101 |
| Extension (in): 4 |
| Light Distribution: Direct / Indirect |
| Fixture Finish: BAL / MWL / BSL |
| Fixture Material: Extruded Aluminum |
| |

ELECTRICALLamp Type: LED

Input Wattage (W): 14

Lamp Life (hrs): 50000

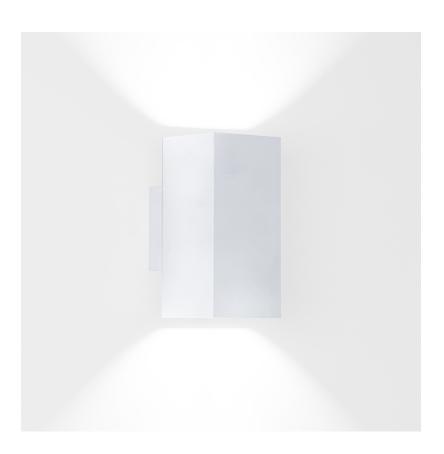
| Dimming: Electronic Low Voltage Dimming | |
|---|--|
| Input Voltage (V): 120Vac Direct Line | |
| LED | |
| Number of LEDs: 2 | |
| Color Temperature (°K): 3000 | |
| Max. Delivered Lumen (lm): 1330 | |
| CRI: >90 CRI | |

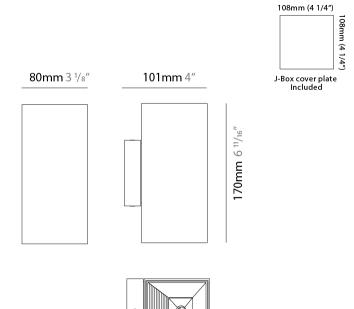
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP44

| PROJECT | | |
|-----------|--|--|
| TYPE | | |
| SPECIFIER | | |
| QUANTITY | | |
| DATE | | |





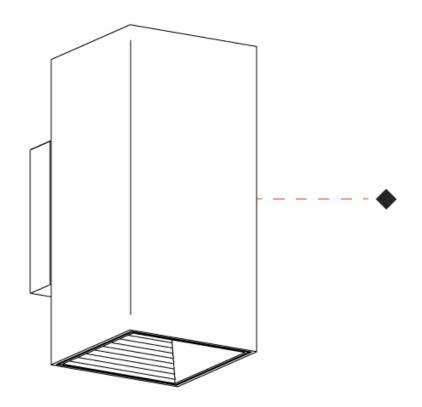






D93152R9-

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







D93189R9-

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

| Mounting Type: Surface |
|---|
| Mounting Location: Wall |
| Subcategory: Downlight |
| PHYSICAL |
| Shape: Cube |
| Length (mm): 80 |
| Length (in): 3 1/8 |
| Height (mm): 90 |
| Depth (mm): 101 |
| Height (in): 3 ⁹ / ₁₆ |
| Depth (in): 4 |
| Extension (mm): 114 |
| Extension (in): 4 ½ |
| Light Distribution: Direct |
| Fixture Finish: BAL / MWL / BSL |
| Fixture Material: Extruded Aluminum |
| ELECTRICAL |

| 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: Yes |
| Driver Location: Integrated |
| Driver Type: Constant Current - 120Vac |
| Driver Class: Class 2 |
| Input Voltage (V): 120 - 277 |
| Constant Current (MA): 350 |
| Upon Request: Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / 277Vac |
| LED |

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

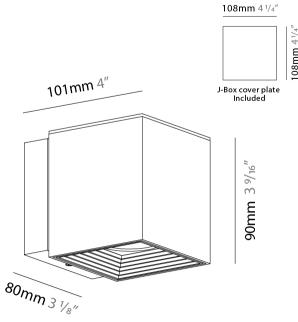
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP44



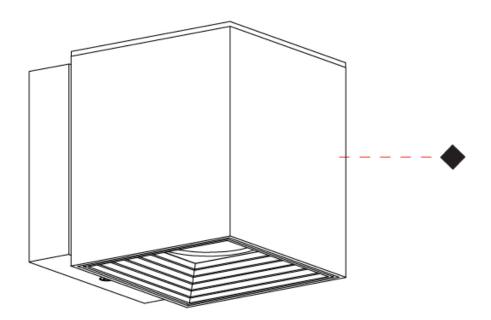








D93189R9-





ZANEEN®

DAU SINGLE SURFACE

D93239-

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

| 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 |
| FLECTRICAL |

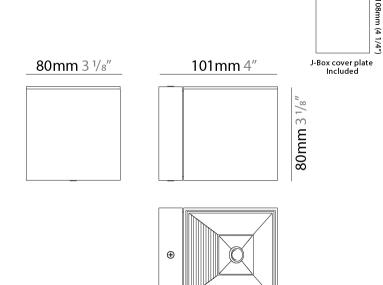
| FIXTURE FITTISTI. DAL / MWL / DSL |
|---|
| Fixture Material: Extruded Aluminum |
| ELECTRICAL |
| Lamp Type: LED |
| Input Wattage (W): 7 |
| Dimming: Electronic Low Voltage Dimming |
| Input Voltage (V): 120Vac Direct Line |
| LED |
| Number of LEDs: 1 |
| Color Temperature (°K): 3000 |
| Max. Delivered 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 TYPE SPECIFIER QUANTITY DATE





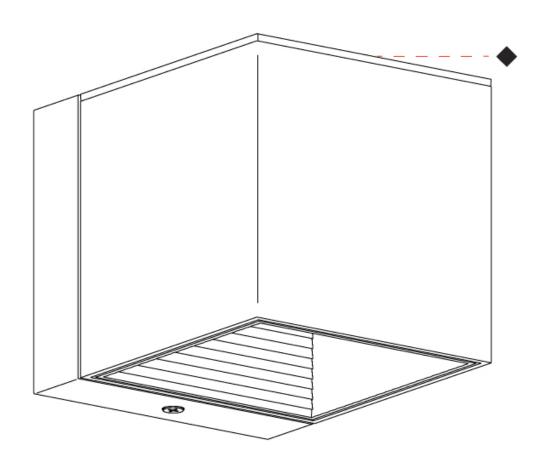


108mm (4 1/4")



D93239-

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |





ZANEEN®

DAU SINGLE TRACK

D96048R9-

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: 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 ½ | |
| Light Distribution: Adjustable / Direct | |
| Fixture Finish: BAL / MWL / BSL | |
| Fixture Material: Extruded Aluminum | |

FI FCTRICAL

| 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

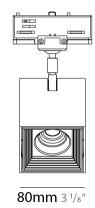
| Certified | By: Certified | for North | American | Standards |
|-----------|---------------|-----------|----------|-----------|
| | | | | |

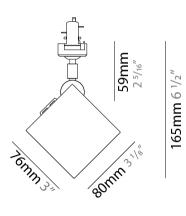
IP rating: IP20

| PROJECT | | |
|-----------|--|--|
| ТҮРЕ | | |
| SPECIFIER | | |
| QUANTITY | | |
| DATE | | |









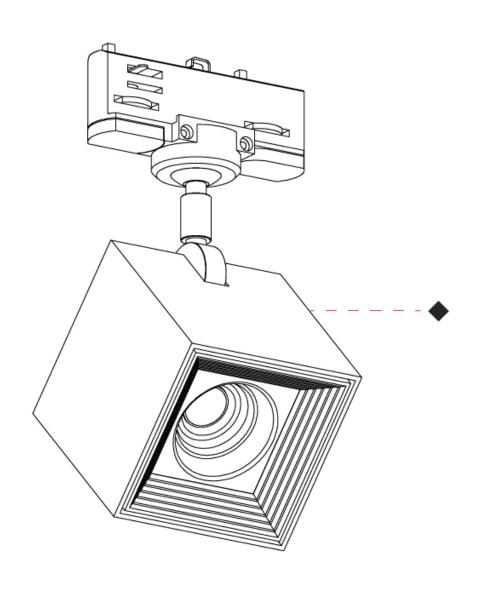




DAU SINGLE TRACK

D96048R9-

| PROJECT | |
|-----------|--|
| TYPE | |
| SPECIFIER | |
| QUANTITY | |
| DATE | |







DAU SINGLE TRACK

D96052-

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: 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







DAU

| 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.





DAU

LEGEND

| Т | | _ | | | special LED (upon request) RGR_RGRW_tunable |
|---------------|--|-----------|--|--------------|--|
| | floor-mounted | ¥ | pivotable | ⊛ | special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+ |
| 7 | wall and ceiling: recessed and surface mounted | S | rotating | 0 | warm dim / natural dimming LED |
| \uparrow | ceiling-mounted and wall-mounted | Œ | illuminate tilted | 0 | rechargeable battery powered |
| \rightarrow | wall-mounted | I | color of suspension cable | THESE | fixture with natural vivid LED (upon request) |
| Y | omni-directional light distribution | ↓ | length of suspension cable | CRI | color rendering index |
| | direct light distribution | | reflector degree selection | (K) | color temperature |
| | direct/indirect light distribution | s s | super spot | (LM) | lumen (luminous flux) |
| Y | indirect light distribution | * | lens | ₩ <u></u> | efficacy (lumens per watt) |
| | asymmetric light distribution | \otimes | lens pack | UGR | Unified Glare Rating (UGR) range from 5-40 |
| X | aura light distribution | 0 | shine ring | * | marine grade (AISI 316 stainless steel) |
| R | round wall or ceiling cut-out | 0 | integrated shine ring with diffuser | 3 | walk on |
| 7 | 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 | lack | 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 |
| 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 | . (1) | ETL Certified to UL and CSA Standards |
| 9 | sensor | O | direct diffuser | ։ (Մ) ու | UL Certified to UL and CSA Standards |
| | remote control | 1 | ball-proof (upon request) | (1) | CSA Certified to UL and CSA Standards |
| 9 | available upon request | 0 | 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