# wallwash | trimless

We aim to create cleaner ceilings.
Show what you want, hide what you need.



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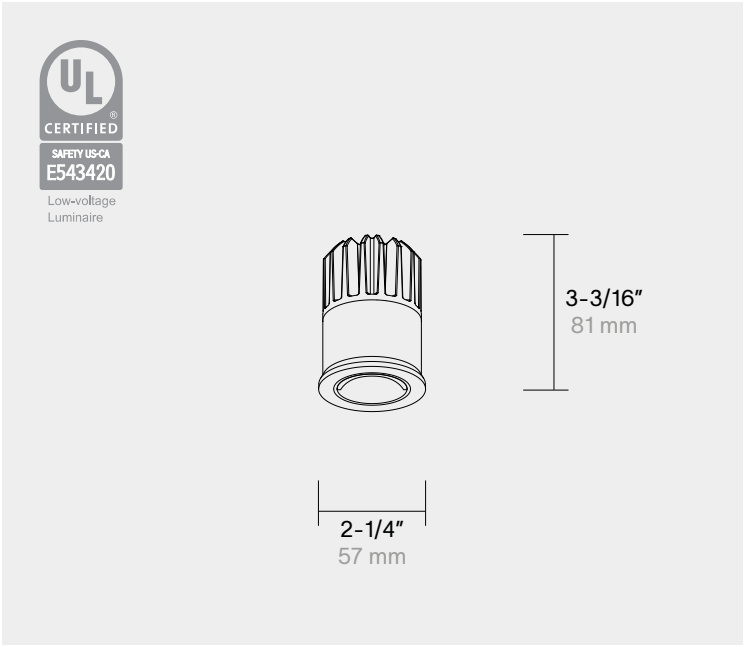
housing 9

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# wallwash | trimless

installation

## luminaire specs

| | | | | |
|---|---|---|---|---|
| delivered lumen | up to 900lm | | | |
| watts | up to 8.9W | | | |
| efficacy | 96lm/W | | | |
| CRI | CRI 90+ | | CRI 97 | |
| R9 value | CRI 90+: >50 | | CRI 97: >91 | |
| CBCP | 1768cd | | | |
| color temperature (CCT) | 2400K* | 2700K | 3000K | 3500K* |
| | 4000K* | | | |
| | * only available in CRI 97 | | | |
| color consistency | 2-step SDCM | | | |
| driver input voltage | 120V | | | |
| dimming | DALI/0-10V/phase dimming | | | |
| power supply | constant current driver with +.9 power | | | |
| | factor and +80% efficiency | | | |
| optics | asymmetric reflector | | | |
| suitable for | dry locations (IP20) | | | |
| ceiling appearance | trimless | | | |
| panel thickness | no panel thickness limitations | | | |
| L80 | >55000 h | | | |

| | | |
|---|---|---|
| installation ring (not incl.) | mud ring Ø2-1/4″ (Ø57 mm) | ↗ |
| | adj. mud ring Ø2-1/4″ (Ø57 mm) | ↗ |
| housing (not incl.) | IC box airtight | non-IC frame |
| | remodeling box | |
| material | aluminum | |
| aluminum finishes | black ano | white struc |
| aluminum weight | 0.51 lb (0.23 kg) | |
| certifications | UL Listed | |
| warranty | 1 year (5 years on LED) | ↗ |

Respect distances, cable sections and IP ratings.
Split AC and DC to prevent LED glowing.

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**configure yours**

| 21181 | · | _ _ | · | _ _ _ | · | _ _ _ | · | _ _ _ |
|---|---|---|---|---|---|---|---|---|

| product | variant | CRI | CCT * | beam | dimming ** | finish |
|---|---|---|---|---|---|---|
| 21181. wallwash | 01. long alu | 1 90+ | 01. 2700K<br>02. 3000K | 00 N/A | 0. driver excluded | 001 black ano<br>002 white struc |
| | | 2 97 | 05. 2400K<br>01. 2700K<br>02. 3000K<br>03. 3500K<br>04. 4000K | 00 N/A | 0. driver excluded | 001 black ano<br>002 white struc |

* other CCT available on request

** phase dimming, 0-10V & dali possible, consult driver matrix, driver sold separately

driver matrix

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## finishes

aluminum

white struc (RAL 9003)



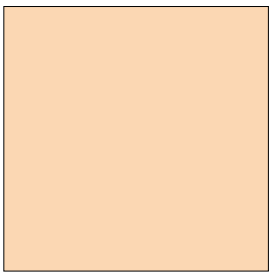
black ano



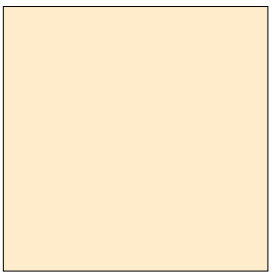
Custom RAL finishes available on request.

## correlated color temperature (CCT)

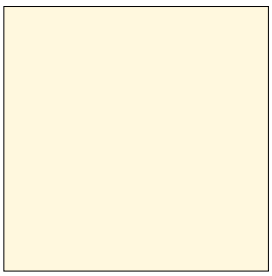
2400K: candle white



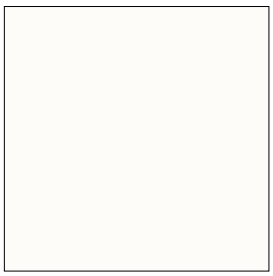
2700K: extra warm white



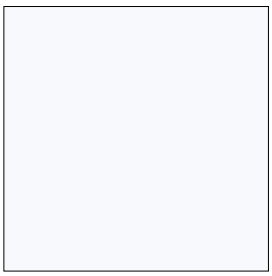
3000K: warm white



3500K: neutral white



4000K: cool white



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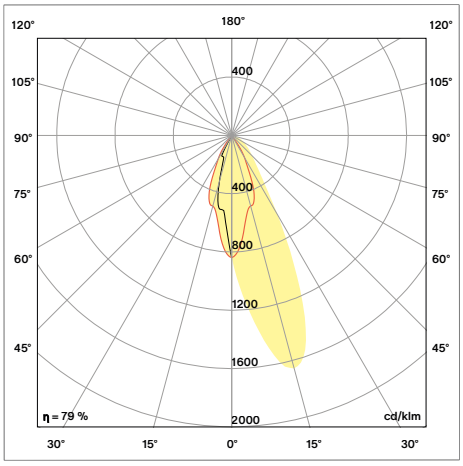
**max. mA**

| | |
|---|---|
| aluminum | 500mA max |

**luminaire output**

| | 350mA | 500mA |
|---|---|---|
| | (6.0W, 17.1Vf) | (8.9W, 17.8Vf) |
| 2400K | 525lm | 725lm |
| 2700K | 600lm | 825lm |
| 3000K | 625lm | 850lm |
| 3500K | 650lm | 875lm |
| 4000K | 675lm | 900lm |

asymmetric reflector



## accessories

### trimless installation rings (not incl.)

| | UL listed | product code | spec sheet |
|---|---|---|---|
| mud ring Ø2-1/4” (Ø57 mm) | yes | 9001-0003 | ↗ |
| adj. mud ring Ø2-1/4” (Ø57 mm) | yes | 9001-0123 | ↗ |

### housing (not incl.)

| | UL listed | product code | spec sheet |
|---|---|---|---|
| IC box + plaster frame 3-1/2” high airtight | yes | 9000-0110 | ↗ |
| NON-IC plaster frame | yes | 9000-0109 | ↗ |
| remodeling box 2.37×1.5×8 | yes | 9000-0104 | ↗ |

### drivers (not incl.)

| | Title 24 JA8 compliant | UL listed | product code | number of fixtures |
|---|---|---|---|---|
| Phase dimming / 0-10V dimmable driver constant current 350mA 15W | yes | yes | 9000-1028 | 1 fx |
| Phase dimming / 0-10V dimmable driver constant current 500mA 15W | yes | yes | 9000-1029 | 1 fx |
| Phase dimming / 0-10V dimmable driver constant current 350mA 30W | pending | yes | 9000-1045 | 1-2 fx |
| Phase dimming / 0-10V dimmable driver constant current 500mA 30W | pending | yes | 9000-1046 | 1-2 fx |
| SOLOdrive 0-10V 350mA 22W | yes | yes | 9000-1008 | 1-2 fx |
| SOLOdrive 0-10V 500mA 22W | yes | yes | 9000-1002 | 1-2 fx |
| SOLOdrive 0-10V 350mA 50W | pending | yes | 9000-1035 | 1-6 fx |
| SOLOdrive 0-10V 500mA 50W | pending | yes | 9000-1036 | 1-5 fx |
| SOLOdrive DALI 350mA 22W | yes | yes | 9000-1006 | 1-2 fx |
| SOLOdrive DALI 500mA 22W | yes | yes | 9000-1001 | 1-2 fx |
| SOLOdrive DALI 350mA 50W | pending | yes | 9000-1032 | 1-6 fx |
| SOLOdrive DALI 500mA 50W | pending | yes | 9000-1033 | 1-5 fx |

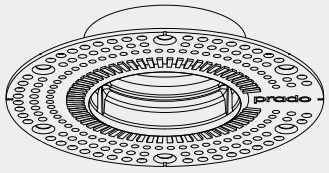
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**trimless installation rings (not incl.)**

| | application | drill hole | product code | spec sheet |
|---|---|---|---|---|
| mud ring Ø2-1/4” (Ø57 mm) | plastered ceiling | Ø3″ (Ø76 mm) | 9001-0003 | ↗ |
| adj. mud ring Ø2-1/4” (Ø57 mm) | plastered ceiling | Ø3″ (Ø76 mm) | 9001-0123 | ↗ |

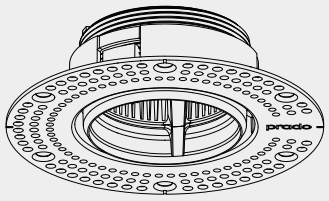
plastered ceiling




**mud ring Ø2-1/4″ (Ø57 mm)**

installation

| | |
|---|---|
| location | ceiling indoor |
| plaster thickness | 1/7″ (3.6 mm) |
| drill hole | Ø3″ (Ø76 mm) |




**adj. mud ring Ø2-1/4″ (Ø57 mm)**

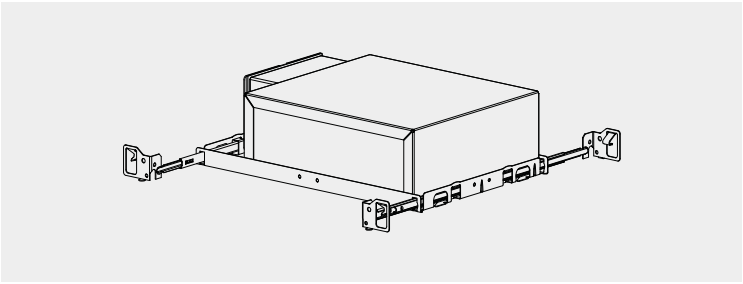
installation

| | | |
|---|---|---|
| location | ceiling indoor | |
| plaster thickness | min. 1/7″ (3.6 mm) | max. 3/4″ (20 mm) |
| drill hole | Ø3″ (Ø76 mm) | |

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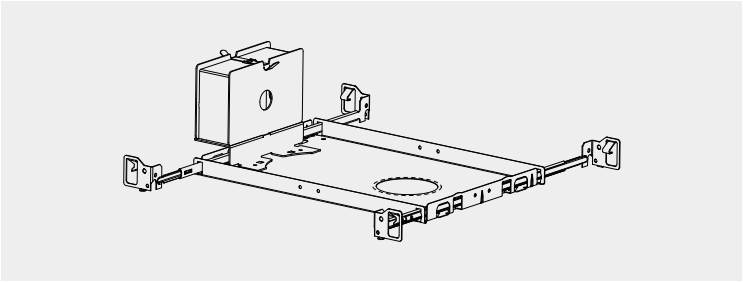
## housing (not incl.)



### IC box + plaster frame 3-1/2" high

spec sheet

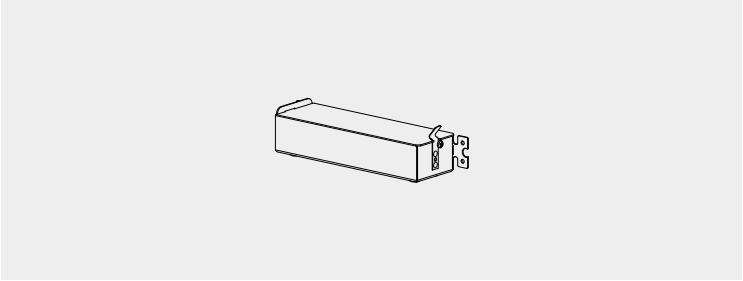
| | |
|---|---|
| new construction airtight | for use insulated ceiling |
| bar hanger kit included | |
| UL listed | |
| dimensions D x W x H | 12-7/16 × 8-9/16 × 3-1/2" |



### non-IC plaster frame

spec sheet

| | |
|---|---|
| new construction | for use in non-insulated ceiling |
| bar hanger kit included | |
| UL listed | |
| dimensions D x W x H | 15 × 8-9/16 × 4-3/8" |



### remodeling box 2.37x1.5x8

spec sheet

| | |
|---|---|
| for remote installation | |
| UL listed | |
| does not fit through hole | |
| dimensions D x W x H | 8 × 2-9/16 × 1-2/3" |

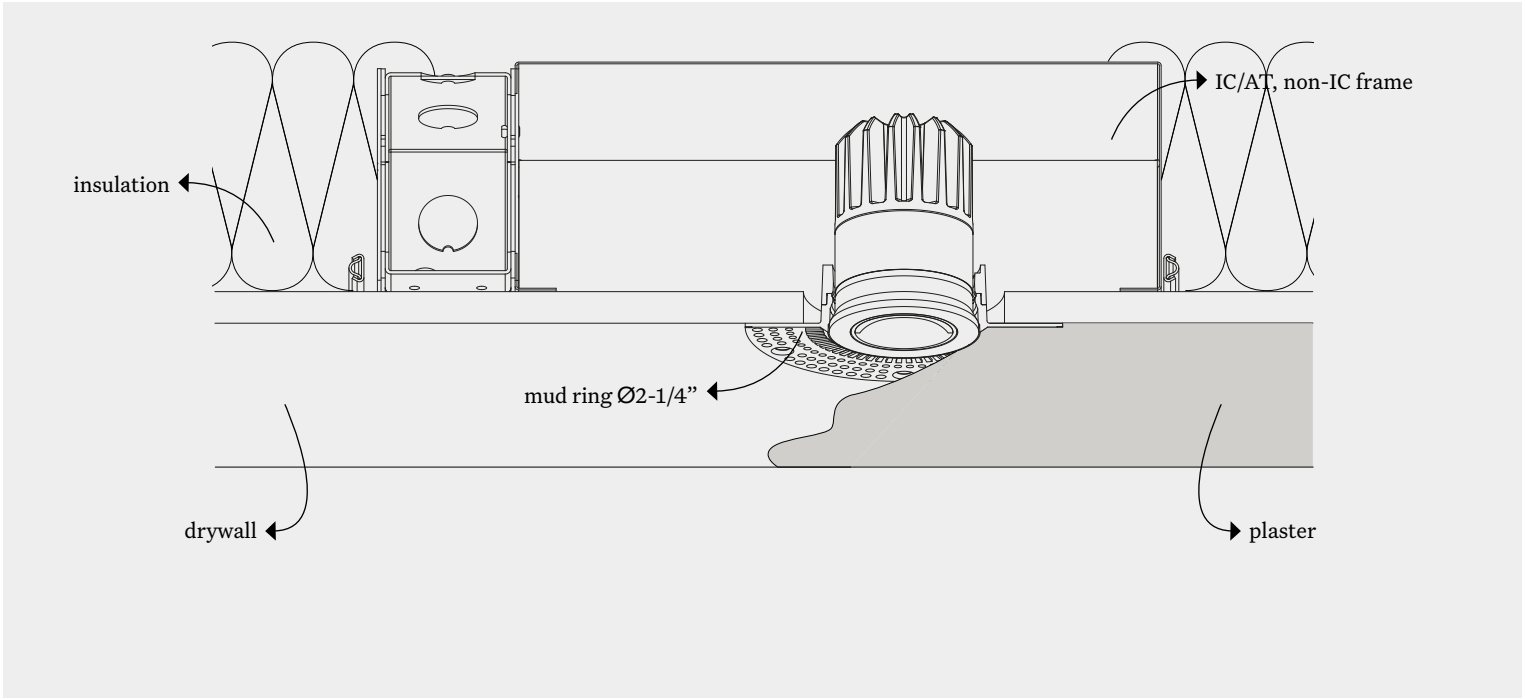
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**illustration trimless installation rings in combination with IC boxes**

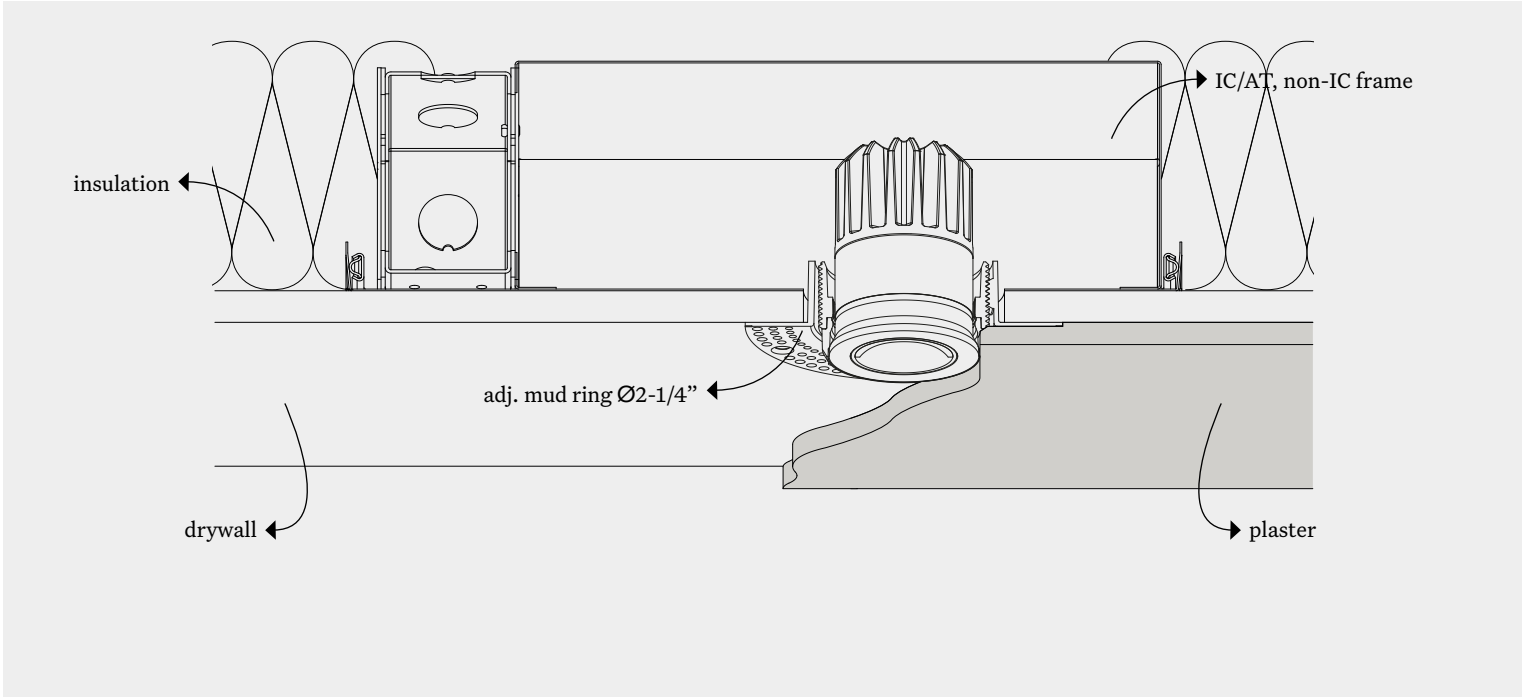
mud ring Ø2-1/4" (Ø57 mm)

installation




adj. mud ring Ø2-1/4" (Ø57 mm)

installation




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## driver matrix

| | | | | |
|---|---|---|---|---|
| new construction | insulated ceiling | IC box + plaster frame 3-1/2" | remote driver | remodeling box 2.37x1.5x8 |
| | | | local driver | driver in inner junction box |
| | non-insulated ceiling | non-IC plaster frame | remote driver | remodeling box 2.37x1.5x8 |
| | | | local driver | driver in inner junction box |
| remodeling | | | remote driver | remodeling box 2.37x1.5x8 |

driver matrix

cable length

## compatible drivers

| **remodeling box 2.37x1.5x8 / integral driver box** |
|---|
| Phase dimming / 0-10V dimmable driver constant current 350mA 15W |
| Phase dimming / 0-10V dimmable driver constant current 500mA 15W |

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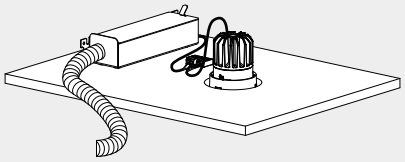
## illustration driver matrix

### local driver

above ceiling access required for both installation and service [1]

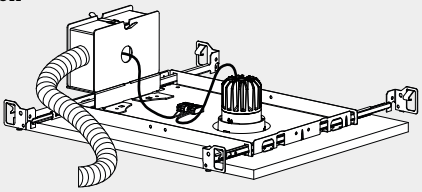
check driver matrix (cut-out column) [2]

[2] remodel

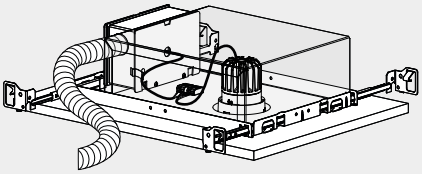


driver matrix

[1] new construction
non-IC

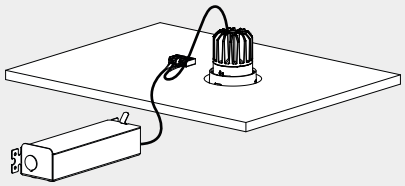


[1] new construction
IC 3-1/2”

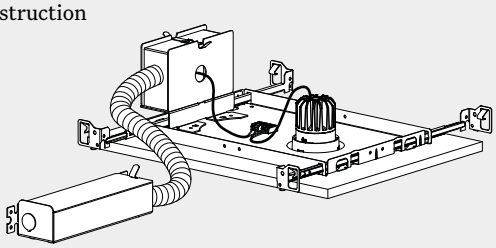


### remote driver [3]

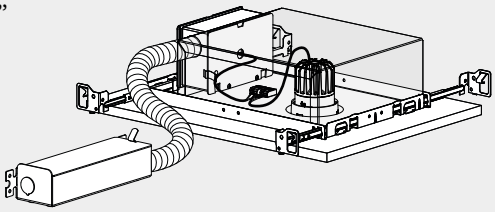
remote driver



new construction
non-IC



new construction
IC 3-1/2”



### [3] max driver distance

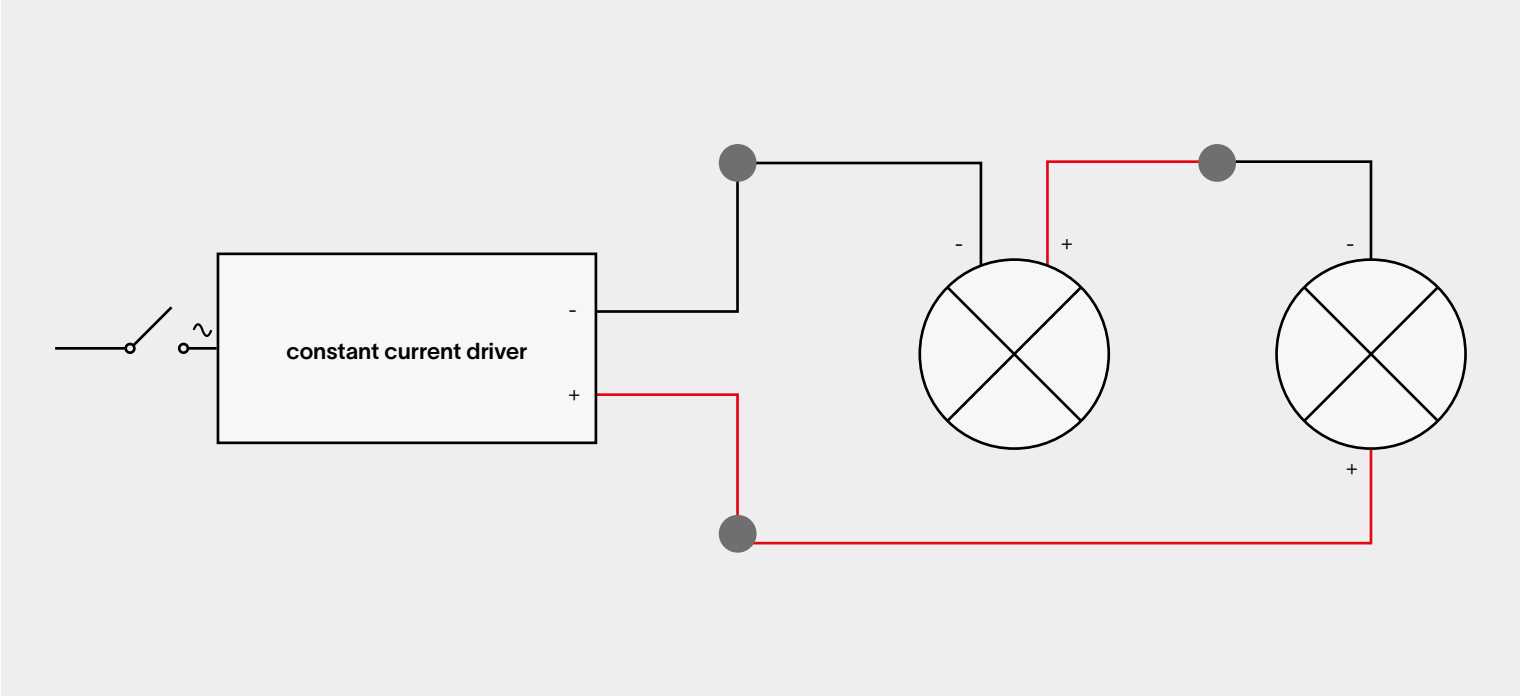
| | |
|---|---|
| AWG18 (2 × 1 mm²) | 40 ft (12 m) |
| AWG16 (2 × 1.5 mm²) | 65 ft (20 m) |
| AWG14 (2 × 2.5 mm²) | 100 ft (30 m) |
| AWG12 (2 × 4 mm²) | 160 ft (49 m) |

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**wiring diagram**

serial connection




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