

SOLO 8 WARM DIM 48V DC TRACK

precision
by luminii

PRODUCT OVERVIEW

WARM DIM LIGHT ENGINE



KEY FEATURES

Beam Options: 27 | 34 | 47
Light Engine Performance: 302lm | 4.96W
Movement: 360 Pan | 90 Tilt
Tool-less field changeable optics
Interchangeable accessories
1 Channel warm dim
UK Part L1 / L2 (Display) Compliant
Title 24 JA8 Certified



OVERVIEW

Solo 8 Warm Dim 48V DC Track is a Constant Voltage LED spotlight with dim-to-warm ranges of 3000K to 1800K and 2700K to 1800K and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has three site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. Our 302lm | 4.96W light engine has a max peak intensity of 1121cd. This product mounts to the 48V DC Stucchi Multisystem Evo Track and requires an external 16.54V Constant Voltage LED power supply to the track.

PERFORMANCE

| | Warm Dim | | |
|----------------|---------------------------------------|--------|---------|
| | Medium | Wide | V. Wide |
| FWHM | 27° | 34° | 47° |
| Luminous Flux | 278 lm | 283 lm | 302 lm |
| Peak Intensity | 1121 cd | 796 cd | 501 cd |
| CCT | 1800-2700K 1800-3000K | | |
| CRI Min. | 94 94 | | |
| LED Current | 0.300 A | | |
| Voltage | 48 V | | |
| Input Wattage | 5.51 W | | |
| Efficacy | 60.9 lm/W | | |
| Driver Type | Constant Voltage Remote AC to 48VDC | | |
| Class | SELV Class III | | |

ORDER CODE

| | | | | | | | | | | | | | | | | | |
|--------------|----------------|-----------|--------------------------|-------------|-----------------|---------------|--------------------|------------|----------------------|-----------|--------------|-------------|------------------|----------------|-----------------------|-----------|--------------|
| Model | - | Type | - | Output | - | CCT | - | Beam Angle | - | Voltage | - | Control | - | Adaptor Finish | - | Finish | |
| SOL08 | Solo 08 | MU | Multisystem Track | WDSO | Warm Dim | 18K27K | 1800K-2700K | ME | Medium 27° | 48 | 48VDC | 010G | 0-10V Log | WH | White | WH | White |
| | | | | | | 18K30K | 1800K-3000K | WD | Wide 34° | | | DALI | DALI | BK | Black | BK | Black |
| | | | | | | | | VW | Very Wide 47° | | | | | AL | Br. Aluminium | | |
| | | | | | | | | | | | | | | RBZ | Rubbed Bronze | | |
| | | | | | | | | | | | | | | BR | Br. Brass | | |
| | | | | | | | | | | | | | | PB | Polished Brass | | |

Example code: SOL08-MU-WDSO-18K27K-ME-48-010G-WH-WH

See Drivers, Power Supplies and Accessories sections for further order codes

LIGHT ENGINE SELECTION

This product specification sheet references our Warm Dim light engine, for Tunable White please refer to its separate specification sheet.

warmDIM

Utilises fixture-integrated electronics that warms the colour temperature of the light as it dims; combining the beauty of Halogen with the efficacy of LEDs.

- Halogen like CCT dimming curve
- Dims to 1800K

LIFETIME & ENVIRONMENTAL

At Precision, we design and engineer our products with longevity in mind. Many of the components that make up our light fixtures are both modular and re-usable, making it possible to service and repair them throughout their life in service. Once our products reach the end of their useful life, it is possible to re-work and renew them into a new product. We prioritise the use of recyclable materials in both our products and packaging, and encourage our customers to engage responsibly in the correct disposal of any materials we supply.

| | |
|------------------|---------------------------|
| CIBSE TM65 | 8.77 Kg/CO2e |
| CIBSE TM66 | 2.4 |
| RoHS Compliance | Yes |
| REACH Compliance | Yes |
| WEEE Compliance | Yes - Registered Producer |
| Declare | Declared |
| Lifetime | L90B10 50,000hrs |
| Warranty | 5 Years |

| UK PART L | |
|---|--|
| Part L1A / L1B (Dwellings) ≥75 lm/W source lumens | Compliant 117 lm/W Source lm (580 lm) / Source W (4.96 W) |
| Part L2A (General) ≥95 lm/W delivered lumens | - |
| Part L2A (Display) ≥80 lm/W source lumens | Compliant 117 lm/W Source lm (580 lm) / Source W (4.96 W) |

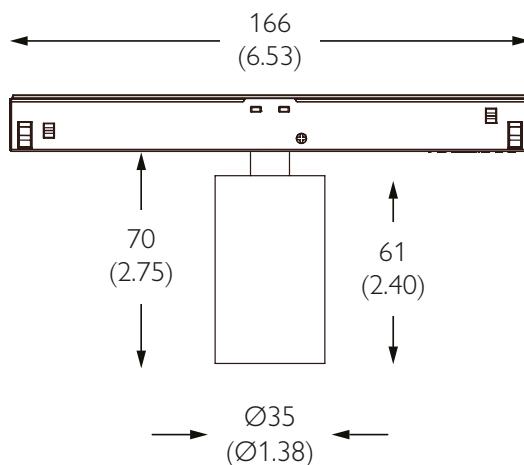
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DIMENSIONS & FINISHES

WARM DIM LIGHT ENGINE

DIMENSIONS



MECHANICAL

| | | | |
|--|--|-------------------|--------------------------------------|
| Location | IP20 Indoor Dry Location Only | Cutout | N/A |
| Mounting | 48V Track Recessed Trimless Recessed Surface Suspended | Ceiling Thickness | N/A |
| Adjustability | 360 Pan 90 Tilt | Product Class | SELV Class III |
| Lockable | Pan | Material | Machined AL 6063-T6 Machined Brass |
| Accessories | Louver Lenses | Weight | 102g 0.22lb |
| <small>* Brass finishes weight</small> | | | |

FINISHES



White

Black

Brushed
Aluminium

Polished
Brass

Rubbed
Bronze

Brushed
Brass

SOLO 8 WARM DIM 48V DC TRACK

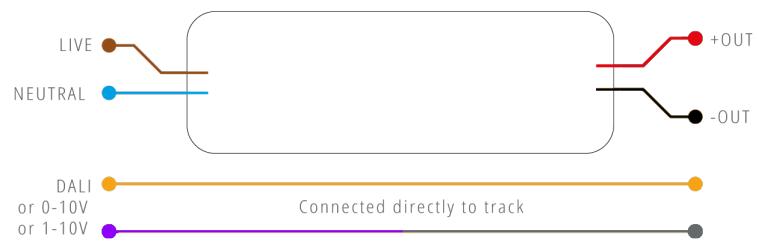
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DRIVERS & POWER SUPPLIES – UK, EU, MIDDLE EAST, ASIA, PACIFIC

WARM DIM LIGHT ENGINE

100W | Direct to track | Remote | Constant Voltage

| | |
|-----------------|--|
| Input Voltage | 230VAC 50/60 Hz |
| Driver Type | Remote Constant Voltage |
| Location | IP20 Indoor Location Only |
| Dimming Control | Direct to track |
| Min. Dim Level | 0.1% |
| Flicker | IEEE P1789 Compatible No Observable Effect |
| Wiring Distance | Refer to guide |



| | All CCT's | L | W | H |
|-------------|-------------------|----|------|------|
| Max. Lights | 1 to 14 | mm | 190 | 52 |
| Order Code | PSCV-100-48-N1-MW | in | 7.48 | 2.05 |
| | | | | 1.46 |

200W | Direct to track | Remote | Constant Voltage

| | |
|-----------------|--|
| Input Voltage | 230VAC 50/60 Hz |
| Driver Type | Remote Constant Voltage |
| Location | IP20 Indoor Location Only |
| Dimming Control | Direct to track |
| Min. Dim Level | 0.1% |
| Flicker | IEEE P1789 Compatible No Observable Effect |
| Wiring Distance | Refer to guide |



| | All CCT's | L | W | H |
|-------------|-------------------|----|------|------|
| Max. Lights | 1 to 28 | mm | 195 | 68 |
| Order Code | PSCV-200-48-N1-MW | in | 7.68 | 2.68 |
| | | | | 1.57 |

48V TRACK CABLE DISTANCES

A = Distance from power supply to track 2 x 16 AWG (1.5mm²) cable

| | m | ft | m | ft | m | ft | m | ft |
|--|---|------|----|------|----|------|----|------|
| | 5 | 16.4 | 10 | 32.8 | 20 | 65.6 | 30 | 98.4 |

B = Track Length with max 5.5% V drop

| | m | ft | m | ft | m | ft | m | ft |
|------|----|-------|----|------|----|-------|----|----|
| 100W | 50 | 164 | 50 | 164 | 40 | 131.2 | 25 | 82 |
| 200W | 40 | 131.2 | 30 | 98.4 | - | - | - | - |

SOLO 8 WARM DIM 48V DC TRACK

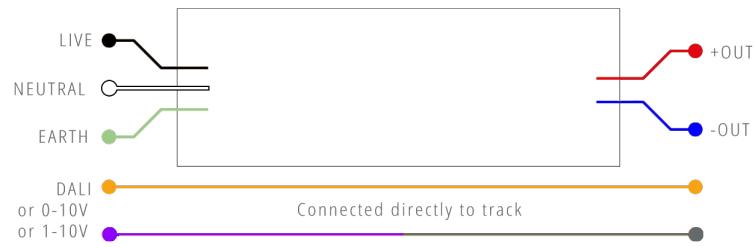
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DRIVERS & POWER SUPPLIES – NORTH AMERICA

WARM DIM LIGHT ENGINE

96W | Direct to track | Remote | Constant Voltage

| | |
|-----------------|--|
| Input Voltage | 120-277V 50/60 Hz |
| Driver Type | Remote Constant Voltage |
| Location | IP20 Indoor Location Only |
| Dimming Control | Direct to track |
| Min. Dim Level | 0.1% |
| Flicker | IEEE P1789 Compatible No Observable Effect |
| Wiring Distance | Refer to guide |



| | All CCT's | | L | W | H |
|-------------|---------------------|----|------|------|------|
| Max. Lights | 1 to 14 | mm | 220 | 95 | 40 |
| Order Code | USCV-96-48-N1-SC-EN | in | 8.66 | 3.74 | 1.57 |

48V TRACK CABLE DISTANCES

A = Distance from power supply to track 2 x 16 AWG (1.5mm²) cable

| | m | ft | m | ft | m | ft | m | ft |
|--|---|------|----|------|----|------|----|------|
| | 5 | 16.4 | 10 | 32.8 | 20 | 65.6 | 30 | 98.4 |

B = Track Length with max 5.5% V drop

| | m | ft | m | ft | m | ft | m | ft |
|------|----|-------|----|------|----|-------|----|----|
| 100W | 50 | 164 | 50 | 164 | 40 | 131.2 | 25 | 82 |
| 200W | 40 | 131.2 | 30 | 98.4 | - | - | - | - |

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PHOTOMETRY

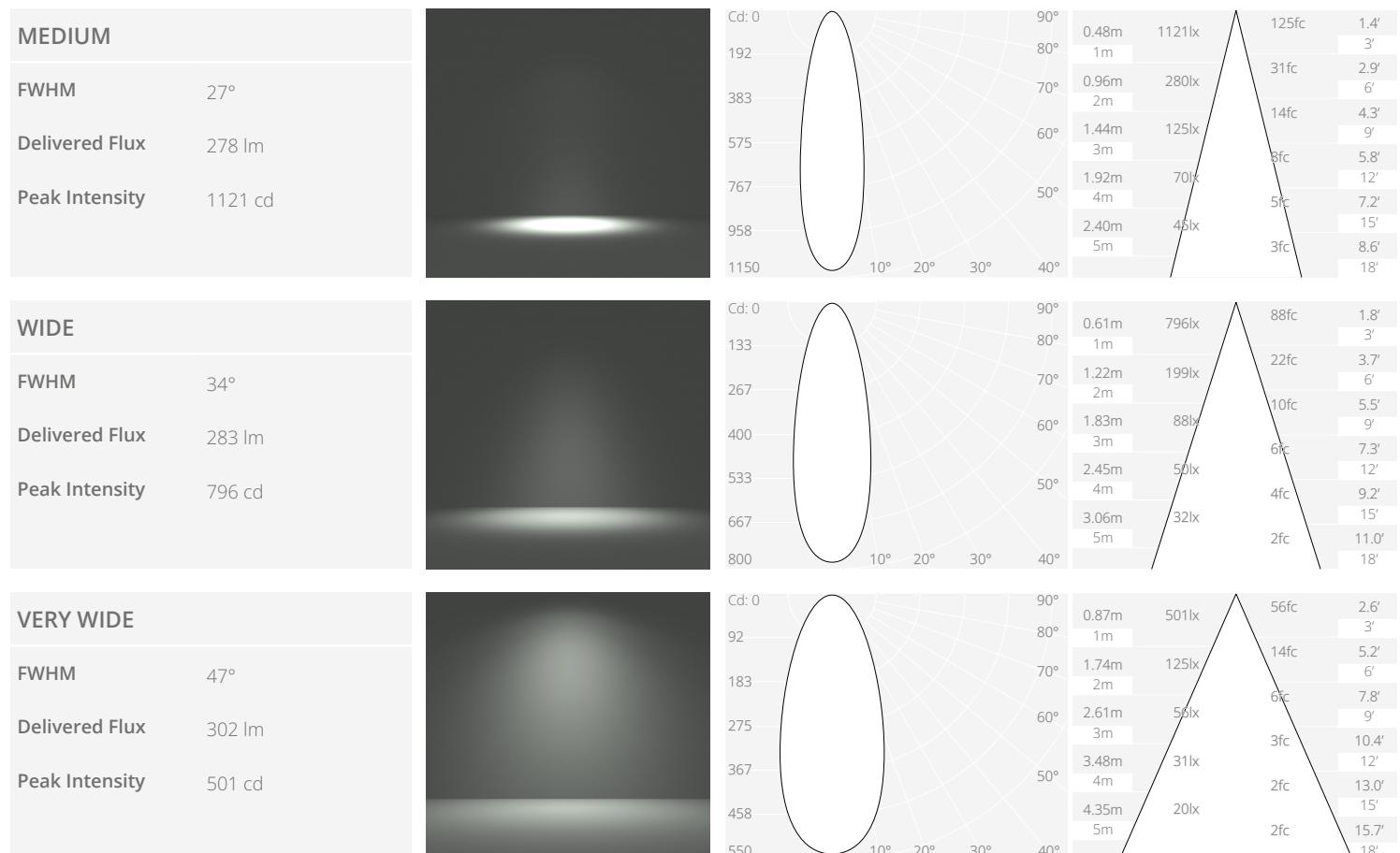
WARM DIM LIGHT ENGINE

OUTPUT SCALING

| CCT | Output Multiplier | CRI | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|-------|-------------------|-----|---------|-----------|-----------|--------|
| 1800K | 0.10 | 95 | 69 | 90 | 104 | 30 |
| 2100K | 0.70 | 96 | 82 | 89 | 108 | 211 |
| 2400K | 0.80 | 96 | 85 | 91 | 106 | 242 |
| 2700K | 0.90 | 94 | 85 | 90 | 101 | 272 |
| 3000K | 1.00 | 94 | 85 | 90 | 101 | 302 |

Colour Consistency: 3 SDCM at max CCT

PHOTOMETRY



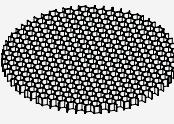
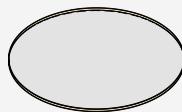
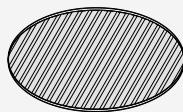
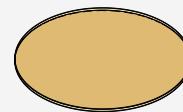
OPTICS

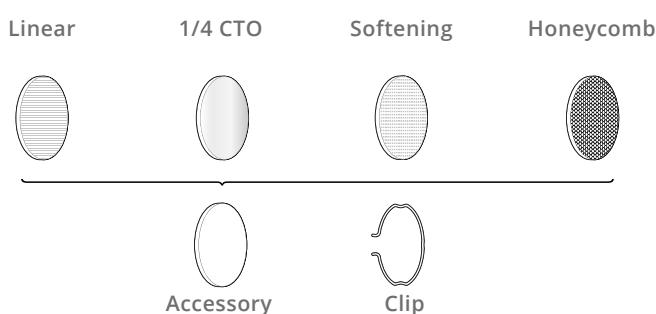
There are 3 interchangeable optics, cross reference the molded ID on the optic for beam option.

| Optic | Optic | Optic |
|---|---|---|
|  |  |  |
| Medium TIR Optic | Wide TIR Optic | Very Wide TIR Optic |
| Molded ID 18 | Molded ID 24 | Molded ID 36 |
| Order Code | Order Code | Order Code |
| HKRG-25-18-PC | HKRG-25-24-PC | HKRG-25-36-PC |

ACCESSORIES

This product can hold 2 x accessories within the integrated holder. To accommodate additional accessories please contact our sales team. Accessories are pre-installed unless otherwise requested.

| Glare Control | Beam Shaping | Beam Shaping | Colour Change | Colour Change |
|--|--|--|---|--|
|  |  |  |  |  |
| Honeycomb Louver | Softening Lens | Linear Lens | 1/4 CTO | Custom Colour Filter |
| W25xH3.2mm W0.98xH0.13" | W25xH1.5mm W0.98xH0.06" | W25xH1.5mm W0.98xH0.06" | W25xH1.8mm W0.98xH0.07" | W25xH1.8mm W0.98xH0.07" |
| Order Code | Order Code | Order Code | Order Code | Order Code |
| 995-25-BK | HKFD-25-SMO-1 | HKFD-25-LIN-1 | 997-1/4CTO-25 | Contact Sales Rep |



Included with luminaire