

# SOLO 8 WARM DIM 48V DC TRACK

## 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
<b>SOL08</b> Solo 08	<b>MU</b> Multisystem Track	<b>WDSO</b> Warm Dim	<b>18K27K</b> 1800K-2700K	<b>ME</b> Medium 27°	<b>48</b> 48V DC	<b>010G</b> 0-10V Log	<b>WH</b> White	<b>WH</b> White
			<b>18K30K</b> 1800K-3000K	<b>WD</b> Wide 34°		<b>DALI</b> DALI	<b>BK</b> Black	<b>BK</b> Black
				<b>VW</b> Very Wide 47°				<b>AL</b> Br. Aluminium
								<b>RBZ</b> Rubbed Bronze
								<b>BR</b> Br. Brass
								<b>PB</b> Polished Brass

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

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

# SOLO 8 WARM DIM 48V DC TRACK

## 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 Halgoen with the efficacy of LEDs.

- Halogen like CCT dimming curve
- Dims to 1800K

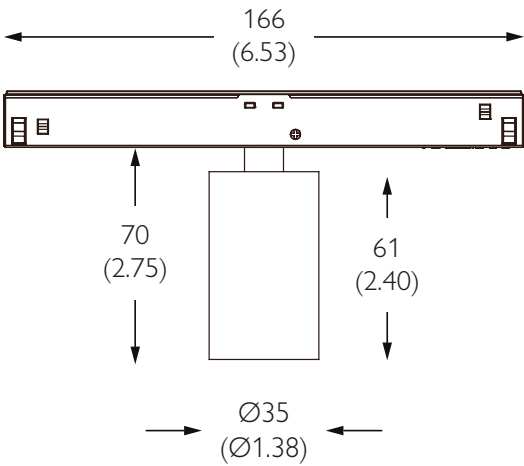
## LIFETIME & ENVIRONMENTAL

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 in to 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	UK PART L	
CIBSE TM66	2.4	Part L1A / L1B (Dwellings)	Compliant 117 lm/W Source lm (580 lm) / Source W (4.96 W)
RoHS Compliance	Yes	Part L2A (General)	-
REACH Compliance	Yes	Part L2A (Display)	Compliant 117 lm/W Source lm (580 lm) / Source W (4.96 W)
WEEE Compliance	Yes - Registered Producer		
Declare	Declared		
Lifetime	L90B10 50,000hrs		
Warranty	5 Years		

# SOLO 8 WARM DIM 48V DC TRACK

## 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
			* Brass finishes weight

## FINISHES



# SOLO 8 WARM DIM 48V DC TRACK

## 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	37
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	40
Order Code	PSCV-200-48-N1-MW	in	7.68	2.68	1.57

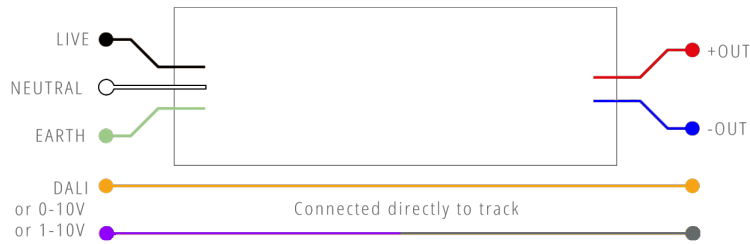
## 48V TRACK CABLE DISTANCES

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

# SOLO 8 WARM DIM 48V DC TRACK

## 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

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

# SOLO 8 WARM DIM 48V DC TRACK

PHOTOMETRY

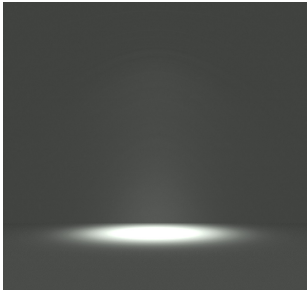
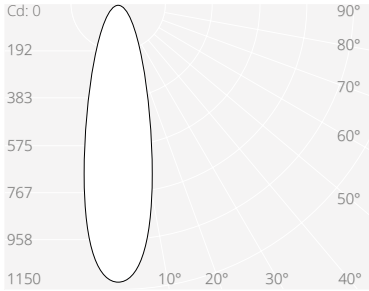
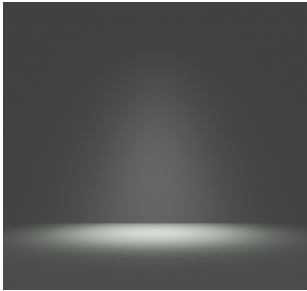
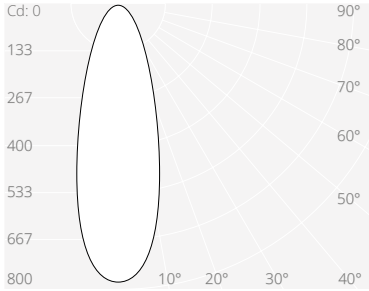
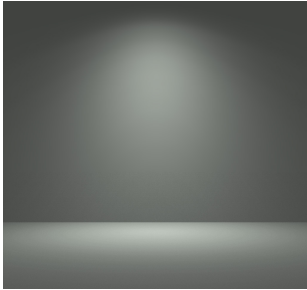
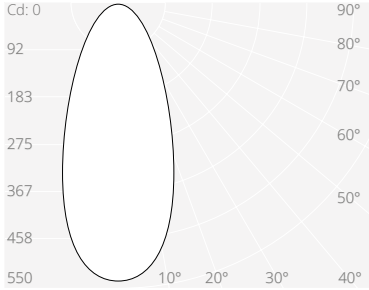
WARM DIM LIGHT ENGINE

## 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

<div>MEDIUM</div> <div><div>FWHM</div><div>27°</div></div> <div><div>Delivered Flux</div><div>278 lm</div></div> <div><div>Peak Intensity</div><div>1121 cd</div></div>			<table><tr><td>0.48m</td><td>1121lx</td><td>125fc</td><td>1.4'</td></tr><tr><td>1m</td><td></td><td>31fc</td><td>2.9'</td></tr><tr><td>0.96m</td><td>280lx</td><td></td><td>6'</td></tr><tr><td>2m</td><td></td><td>14fc</td><td>4.3'</td></tr><tr><td>1.44m</td><td>125lx</td><td></td><td>9'</td></tr><tr><td>3m</td><td></td><td>8fc</td><td>5.8'</td></tr><tr><td>1.92m</td><td>70lx</td><td></td><td>12'</td></tr><tr><td>4m</td><td></td><td>5fc</td><td>7.2'</td></tr><tr><td>2.40m</td><td>45lx</td><td></td><td>15'</td></tr><tr><td>5m</td><td></td><td>3fc</td><td>8.6'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.48m	1121lx	125fc	1.4'	1m		31fc	2.9'	0.96m	280lx		6'	2m		14fc	4.3'	1.44m	125lx		9'	3m		8fc	5.8'	1.92m	70lx		12'	4m		5fc	7.2'	2.40m	45lx		15'	5m		3fc	8.6'				18'
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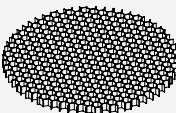
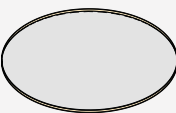
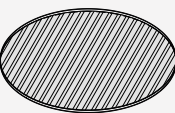
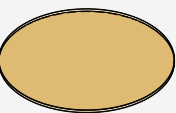

## OPTICS

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

Optic	Optic	Optic
		
<b>Medium TIR Optic</b> Molded ID 18	<b>Wide TIR Optic</b> Molded ID 24	<b>Very Wide TIR Optic</b> Molded ID 36
<b>Order Code</b> HKRG-25-18-PC	<b>Order Code</b> HKRG-25-24-PC	<b>Order Code</b> 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
				
<b>Honeycomb Louver</b> W25xH3.2mm   W0.98xH0.13"	<b>Softening Lens</b> W25xH1.5mm   W0.98xH0.06"	<b>Linear Lens</b> W25xH1.5mm   W0.98xH0.06"	<b>1/4 CTO</b> W25xH1.8mm   W0.98xH0.07"	<b>Custom Colour Filter</b> W25xH1.8mm   W0.98xH0.07"
<b>Order Code</b> 995-25-BK	<b>Order Code</b> HKFD-25-SMO-1	<b>Order Code</b> HKFD-25-LIN-1	<b>Order Code</b> 997-1/4CTO-25	<b>Order Code</b> Contact Sales Rep

