

# Solo 11 Warm Dim 48V DC Track

## PRODUCT OVERVIEW

## WARM DIM LIGHT ENGINE



### KEY FEATURES

- Beam Options: 22 | 30 | 40 | 50
- Light Engine Performance: 588lm | 8.10W
- 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 11 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 588lm | 8.10W light engine has a max peak intensity of 3360cd. An accessory holder is available separately that can accommodate 37mm (1.45") lenses and louvers. This product mounts to the 48V DC Stucchi Multisystem Evo Track and requires an external 18V Constant Voltage LED power supply to the track.

## PERFORMANCE

	Warm Dim			
	Medium	Wide	V. Wide	U. Wide
FWHM	22°	30°	40°	50°
Luminous Flux	588 lm	570 lm	549 lm	457 lm
Peak Intensity	3360 cd	2110 cd	1220 cd	630 cd
CCT	1800-2700K   1800-3000K			
CRI Min.	94   94			
LED Current	0.450 A			
Voltage	48 V			
Input Wattage	9 W			
Efficacy	72.6 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>SOL11</b> Solo 11	<b>MU</b> Multisystem Track	<b>WDSO</b> Warm Dim	<b>18K27K</b> 1800K-2700K	<b>ME</b> Medium 20°	<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 30°		<b>DALI</b> DALI	<b>BK</b> Black	<b>BK</b> Black
				<b>VW</b> Very Wide 40°				<b>AL</b> Br. Aluminium
				<b>UW</b> Ultra Wide 50°				<b>RBZ</b> Rubbed Bronze
								<b>BR</b> Br. Brass
								<b>PB</b> Polished Brass

Example code: SOL11-MU-WDSO-18K27K-ME-48-010G-WH-WH

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

# SOLO 11 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.

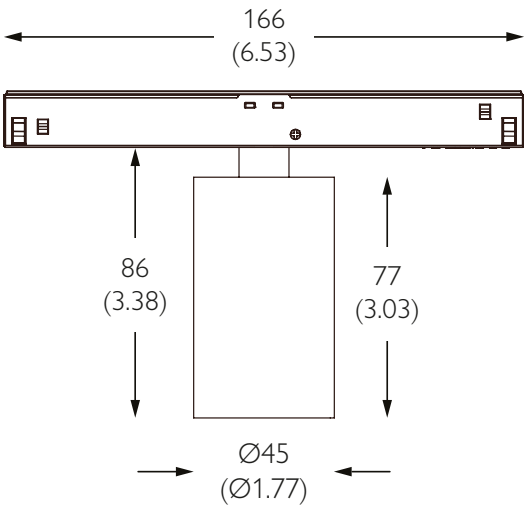
CIBSE TM65	10.77 Kg/CO2e	UK PART L	
CIBSE TM66	2.4	Part L1A / L1B (Dwellings)	Compliant 117 lm/W Source lm (948 lm) / Source W (8.10 W)
RoHS Compliance	Yes	Part L2A (General)	-
REACH Compliance	Yes	Part L2A (Display)	Compliant 117 lm/W Source lm (948 lm) / Source W (8.10 W)
WEEE Compliance	Yes - Registered Producer		
Declare	Declared		
Lifetime	L90B10 50,000hrs		
Warranty	5 Years		

# SOLO 11 WARM DIM 48V DC TRACK

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	Lenses   Louver	Weight	170g 235g*   0.37lb 0.52lb*
		* Brass finishes weight	

## FINISHES



# SOLO 11 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 9	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



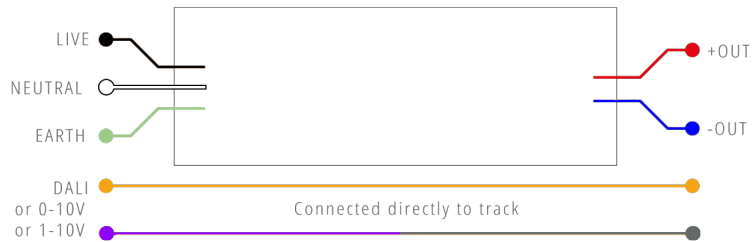
	All CCT's		L	W	H
Max. Lights	1 to 18	mm	195	68	40
Order Code	PSCV-200-48-N1-MW	in	7.68	2.68	1.57

## 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	-	-	-

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 9	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
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# SOLO 11 WARM DIM 48V DC TRACK

PHOTOMETRY


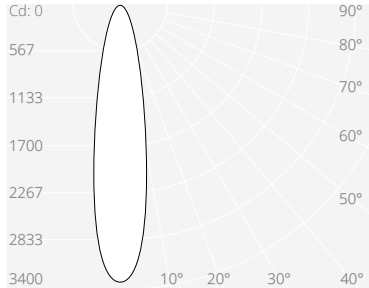
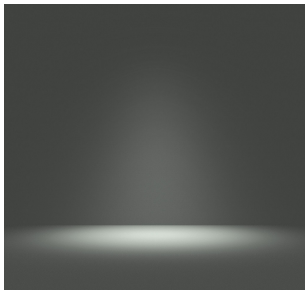
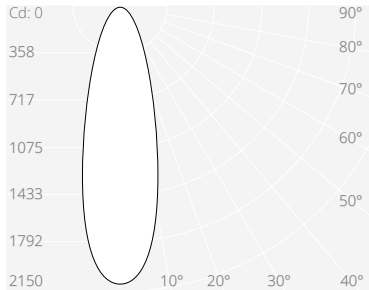
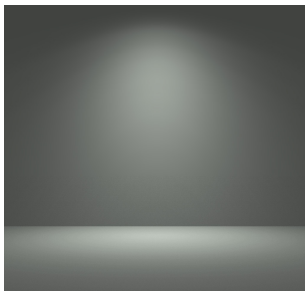
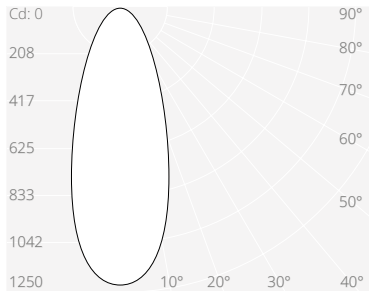
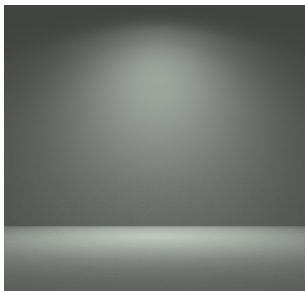
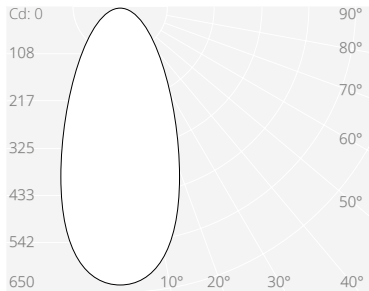
WARM DIM LIGHT ENGINE

## OUTPUT SCALING

CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
1800K	0.10	95	69	90	104	59
2100K	0.70	96	82	89	108	412
2400K	0.80	96	85	91	106	470
2700K	0.90	94	85	90	101	529
3000K	1.00	94	85	90	101	588

Colour Consistency: 3 SDCM at max CCT





## PHOTOMETRY

MEDIUM				<table><tr><td>0.39m</td><td>3360lx</td><td>373fc</td><td>1.2'</td></tr><tr><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>0.78m</td><td>840lx</td><td>93fc</td><td>2.3'</td></tr><tr><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>1.17m</td><td>373lx</td><td>41fc</td><td>3.5'</td></tr><tr><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>1.56m</td><td>210lx</td><td>23fc</td><td>4.7'</td></tr><tr><td>4m</td><td></td><td></td><td>12'</td></tr><tr><td>1.94m</td><td>134lx</td><td>15fc</td><td>5.8'</td></tr><tr><td>5m</td><td></td><td></td><td>15'</td></tr><tr><td></td><td></td><td>10fc</td><td>7.0'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.39m	3360lx	373fc	1.2'	1m			3'	0.78m	840lx	93fc	2.3'	2m			6'	1.17m	373lx	41fc	3.5'	3m			9'	1.56m	210lx	23fc	4.7'	4m			12'	1.94m	134lx	15fc	5.8'	5m			15'			10fc	7.0'				18'
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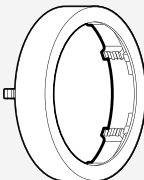
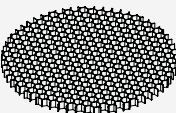
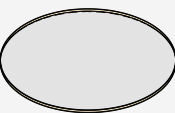
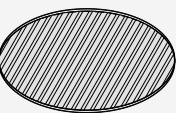
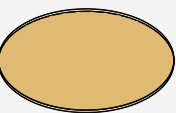
## OPTICS


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








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Medium TIR Optic Molded ID 15	Wide TIR Optic Molded ID 24	Very Wide TIR Optic Molded ID 36	Ultra Wide TIR Optic Molded ID 50
Order Code HKRG-35-15-PC	Order Code HKRG-35-24-PC	Order Code HKRG-35-36-PC	Order Code HKRG-35-50-PC

## ACCESSORIES

This product can hold 2 x accessories using the double accessory holder. Accessories are pre-installed unless otherwise requested.

Accessory Holder	Glare Control	Beam Shaping	Beam Shaping	Colour Change
				
Double Accessory Holder W43xH14mm   W1.69xH0.55"	Honeycomb Louver W37xH3.2mm   W1.46xH0.13"	Softening Lens W37xH3.2mm   W1.46xH0.13"	Linear Lens W37xH3.2mm   W1.46xH0.13"	1/4 CTO W37xH1.8mm   W1.46xH0.07"
Order Code 244-BK	Order Code 995-37-BK	Order Code 991-37	Order Code 992-37	Order Code 997-1/4CTO-37

Colour Change

Custom Colour Filter W37xH1.8mm   W1.46xH0.07"
Order Code Contact Sales Rep

Linear	Softening	1/4 CTO	Honeycomb
			
			
Clip Included with holder	Accessory	Double Accessory Holder Can hold 2 accessories	