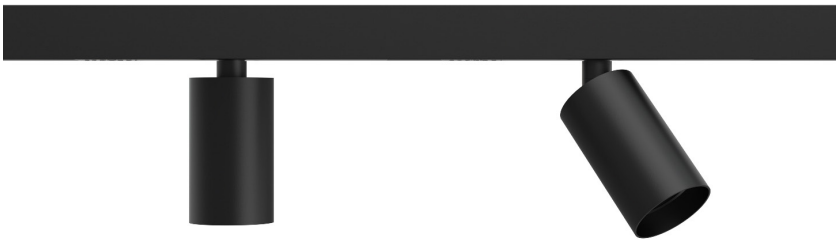
SOLO 11 WARM DIM 48V DC TRACK

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
SOL11 *Solo 11*	**MU** *Multisystem Track*	**WDSO** *Warm Dim*	**18K27K** *1800K-2700K*	**ME** *Medium 20°*	**48** *48V DC*	**010G** *0-10V Log*	**WH** *White*	**WH** *White*
			18K30K *1800K-3000K*	**WD** *Wide 30°*		**DALI** *DALI*	**BK** *Black*	**BK** *Black*
				VW *Very Wide 40°*				**AL** *Br. Aluminium*
				UW *Ultra Wide 50°*				**RBZ** *Rubbed Bronze*
								BR *Br. Brass*
								PB *Polished Brass*

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

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

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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.

warm DIM

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
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 (948 lm) / Source W (8.10 W)*
Part L2A (General) *≥95lm/W delivered lumens*	-
Part L2A (Display) *≥80 lm/W source lumens*	*Compliant 117 lm/W* *Source lm (948 lm) / Source W (8.10 W)*

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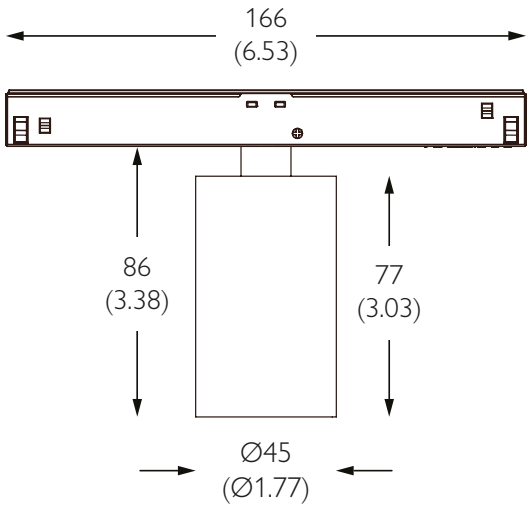
SOLO 11 WARM DIM 48V DC TRACK

DIMENSIONS & FINISHES

WARM DIM LIGHT ENGINE

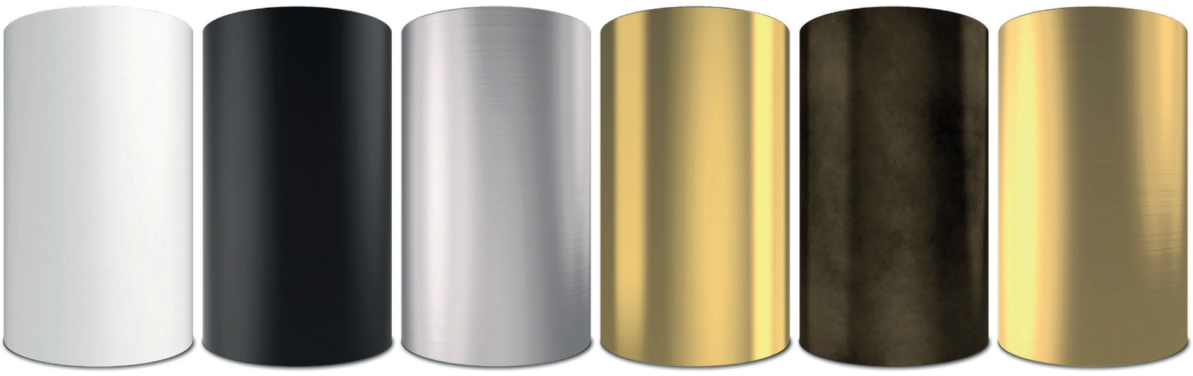
DIMENSIONS



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



White | Black | Brushed Aluminium | Polished Brass | Rubbed Bronze | Brushed Brass

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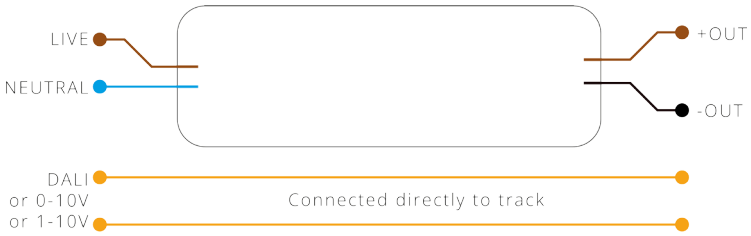
SOLO 11 WARM DIM 48V DC TRACK

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

WARM DIM LIGHT ENGINE

100W | Direct to track | Remote | Constant Voltage

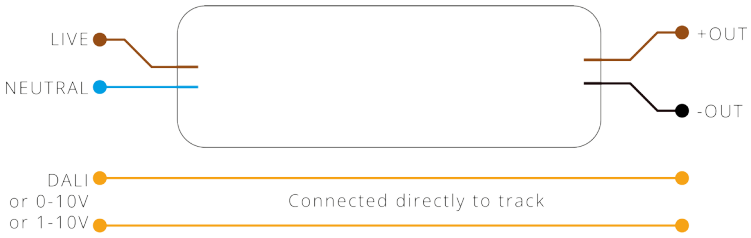
Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Voltage
Location	IP20 | Indoor Location Only
Dimming Control	Direct to track
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	Refer to guide



	All CCT's		L	W	H
Max. Lights	1 to 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

	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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SOLO 11 WARM DIM 48V DC TRACK

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 9	**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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SOLO 11 WARM DIM 48V DC TRACK

PHOTOMETRY

WARM DIM LIGHT ENGINE

OUTPUT SCALING

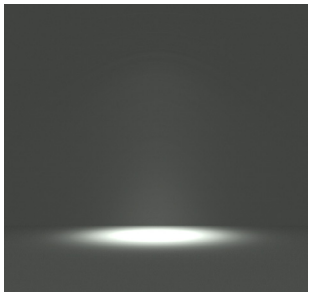
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
1800K	0.10	95	69	90	104	59
2100K	0.70	96	82	89	108	412
2400K	0.80	96	85	91	106	470
2700K	0.90	94	85	90	101	529
3000K	1.00	94	85	90	101	588

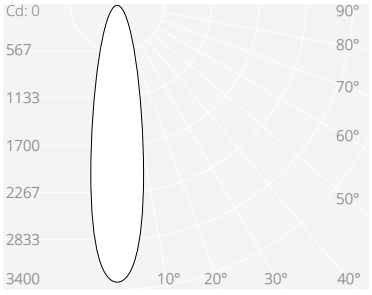
Colour Consistency: 3 SDCM at max CCT

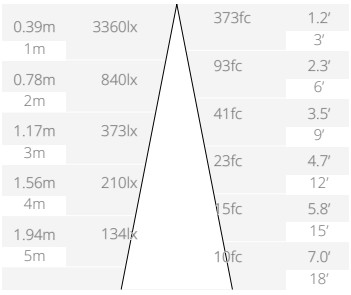
PHOTOMETRY

MEDIUM

FWHM	22°
Delivered Flux	588 lm
Peak Intensity	3360 cd

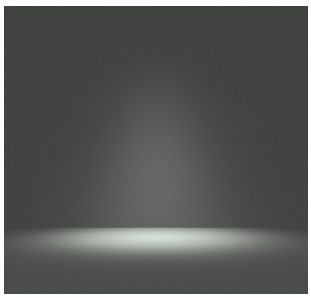


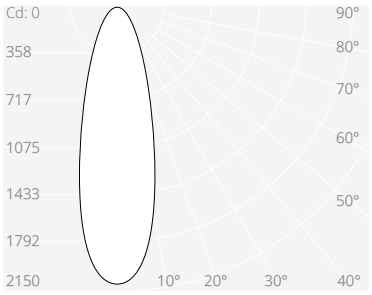




WIDE

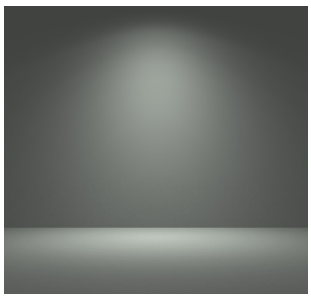
FWHM	30°
Delivered Flux	570 lm
Peak Intensity	2110 cd

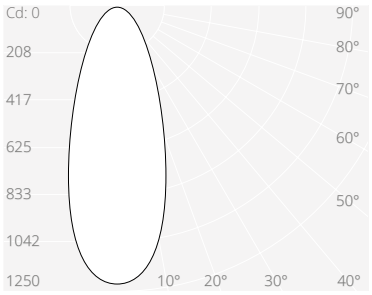


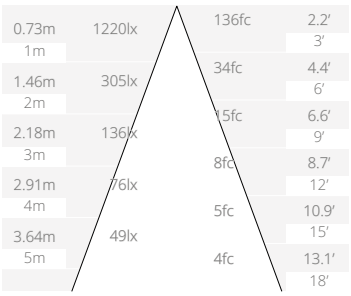


VERY WIDE

FWHM	40°
Delivered Flux	549 lm
Peak Intensity	1220 cd

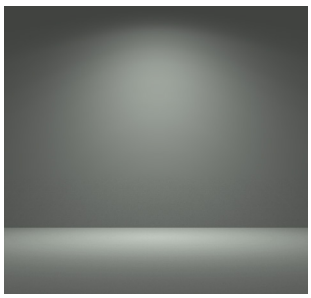


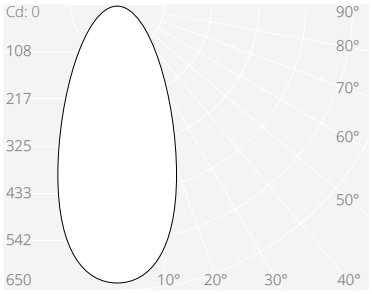


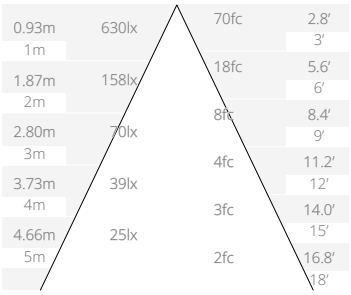


ULTRA WIDE

FWHM	50°
Delivered Flux	457 lm
Peak Intensity	630 cd







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SOLO 11 WARM DIM 48V DC TRACK

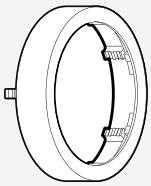
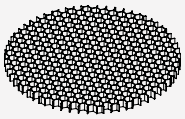
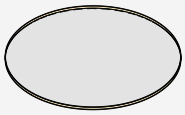
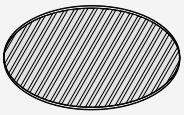
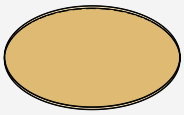
OPTICS

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

Optic	Optic	Optic	Optic
Medium TIR Optic	**Wide TIR Optic**	**Very Wide TIR Optic**	**Ultra Wide TIR Optic**
Molded ID 15	Molded ID 24	Molded ID 36	Molded ID 50
Order Code	**Order Code**	**Order Code**	**Order Code**
HKRG-35-15-PC	**HKRG-35-24-PC**	**HKRG-35-36-PC**	**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	**Honeycomb Louver**	**Softening Lens**	**Linear Lens**	**1/4 CTO**
W43xH14mm | W1.69xH0.55"	W37xH3.2mm | W1.46xH0.13"	W37xH3.2mm | W1.46xH0.13"	W37xH3.2mm | W1.46xH0.13"	W37xH1.8mm | W1.46xH0.07"
Order Code	**Order Code**	**Order Code**	**Order Code**	**Order Code**
244-BK	**995-37-BK**	**991-37**	**992-37**	**997-1/4CTO-37**

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

The Double Accessory Holder (sold separately) greatly enhances Solo's optical accessory capacity providing space for up to two additional accessories. It snaps in and out of the fixture's snoot without the need for tools, making on-site adjustments quick and simple.