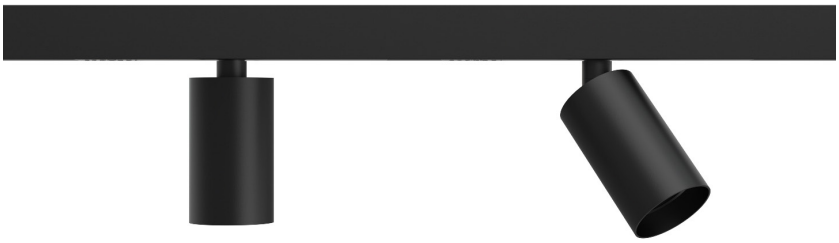
SOLO 11 TUNABLE WHITE 48V DC TRACK

PRODUCT OVERVIEW

TUNABLE WHITE LIGHT ENGINE



KEY FEATURES

Beam Options: 20 | 36 | 50
Light Engine Performance: 530lm | 9.10W
Movement: 360 Pan | 90 Tilt
Tool-less field changeable optics
Interchangeable accessories
2 Channel tunable CCT
UK Part L1 / L2 (Display) Compliant
Title 24 JA8 Certified

OVERVIEW

Solo 11 Tunable White 48V DC Track is a Constant Voltage LED spotlight with the option of 2 CCT tuning ranges (1800-3000K / 2700-5000K) 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 530lm | 9.10W light engine has a max peak intensity of 3062cd. 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 35V Constant Voltage LED power supply to the track.

PERFORMANCE

	Tunable White		
	Medium	Wide	V. Wide
FWHM	20°	36°	50°
Luminous Flux	530 lm	518 lm	417 lm
Peak Intensity	3062 cd	1297 cd	623 cd
CCT	1800-3000K | 2700-5000K		
CRI Min.	92 | 92		
LED Current	0.260 A		
Voltage	48 V		
Input Wattage	10.11 W		
Efficacy	58.2 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*	**TWSO** *Tunable White*	**18K30K** *1800K-3000K*	**ME** *Medium 20°*	**48** *48V DC*	**DALI** *DALI DT6*	**WH** *White*	**WH** *White*
			27K50K *2700K-5000K*	**WD** *Wide 36°*		**DALI8** *DALI DT8*	**BK** *Black*	**BK** *Black*
				VW *Very Wide 50°*				**AL** *Br. Aluminium*
								RBZ *Rubbed Bronze*
								BR *Br. Brass*
								PB *Polished Brass*

Example code: SOL11-MU-TWSO-18K30K-ME-48-DALI-WH-WH

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

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SOLO 11 TUNABLE WHITE 48V DC TRACK

LIGHT ENGINE SELECTION

This product specification sheet references our 2 channel Tunable White light engine, for Warm Dim please refer to its separate specification sheet.

tunable/**WHITE**

Allows users to adjust the correlated colour temperature (CCT) of their light on demand, with options for analogue, digital, or wireless control. Tuning ranges are available to suit a range of applications.

- 1800K - 3000K
- 2700K - 5000K

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 110 lm/W* *Source lm (1001 lm) / Source W (9.10 W)*
Part L2A (General) *≥95lm/W delivered lumens*	-
Part L2A (Display) *≥80 lm/W source lumens*	*Compliant 110 lm/W* *Source lm (1001 lm) / Source W (9.10 W)*

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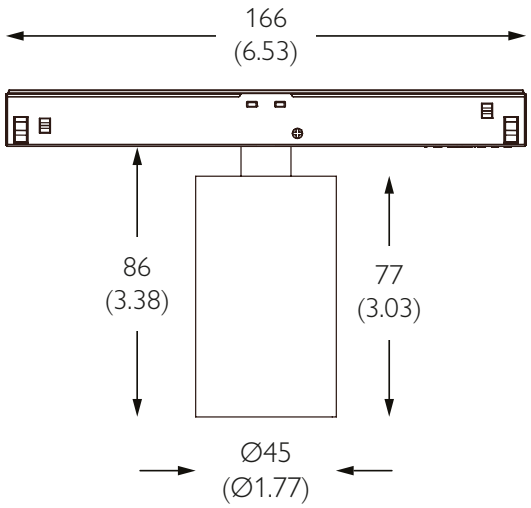
SOLO 11 TUNABLE WHITE 48V DC TRACK

DIMENSIONS & FINISHES

TUNABLE WHITE LIGHT ENGINE

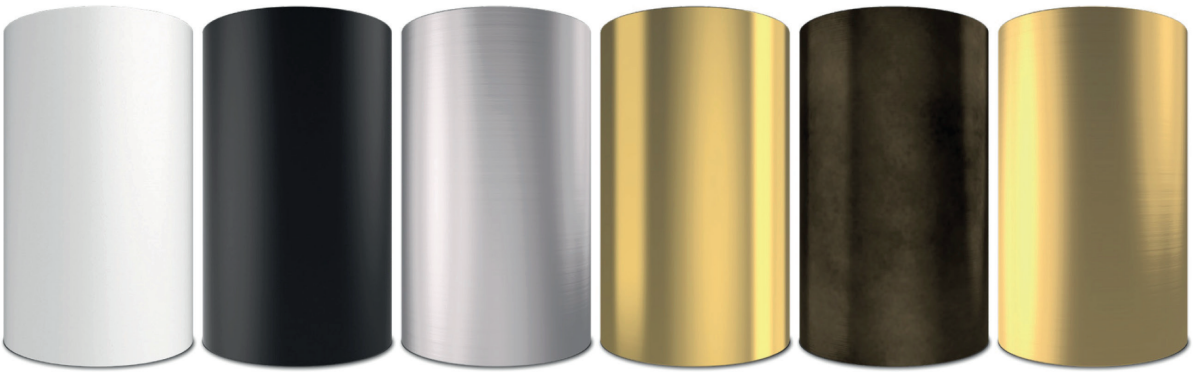
DIMENSIONS



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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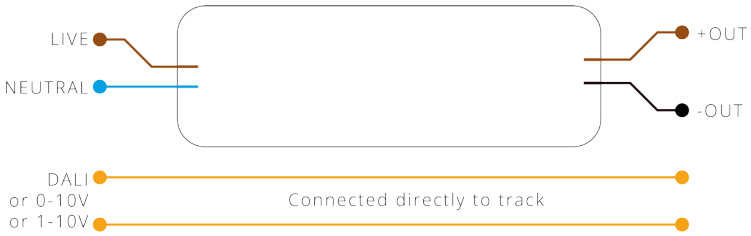
SOLO 11 TUNABLE WHITE 48V DC TRACK

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

TUNABLE WHITE LIGHT ENGINE

100W | Direct to track | Remote | Constant Voltage

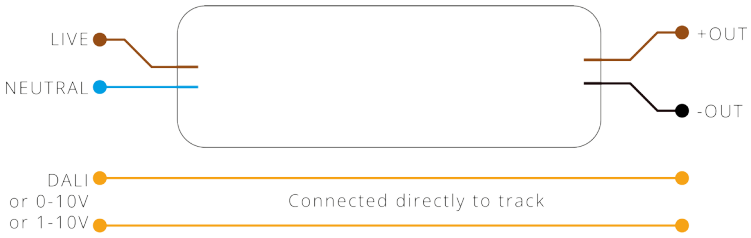
Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Voltage
Location	IP20 | Indoor Location Only
Dimming Control	Direct to track
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	Refer to guide



	All CCT's		L	W	H
Max. Lights	1 to 8	**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 16	**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 TUNABLE WHITE 48V DC TRACK

DRIVERS & POWER SUPPLIES – NORTH AMERICA

TUNABLE WHITE 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 8	**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 TUNABLE WHITE 48V DC TRACK

PHOTOMETRY

TUNABLE WHITE LIGHT ENGINE

OUTPUT SCALING

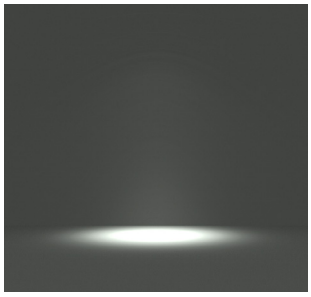
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
1800K	0.57	92	68	90	99	302
2400K	0.77	92	80	90	99	408
3000K	1.00	92	75	90	99	530
4000K	1.05	91	70	89	101	557
5000K	1.06	91	65	89	99	562

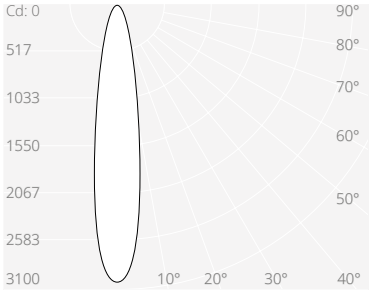
Colour Consistency: 3 SDCM at 3000K

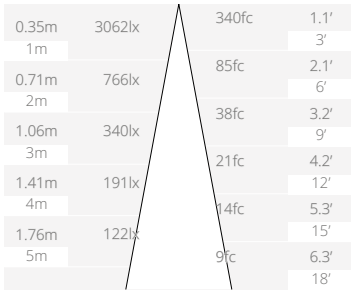
PHOTOMETRY

MEDIUM

FWHM	20°
Delivered Flux	530 lm
Peak Intensity	3062 cd

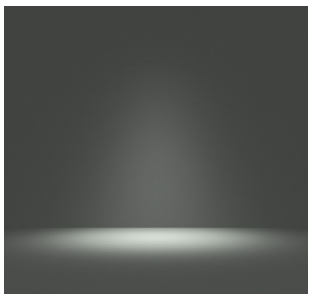


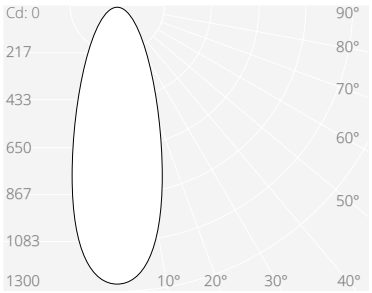


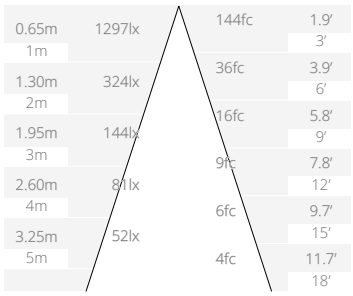


WIDE

FWHM	36°
Delivered Flux	518 lm
Peak Intensity	1297 cd

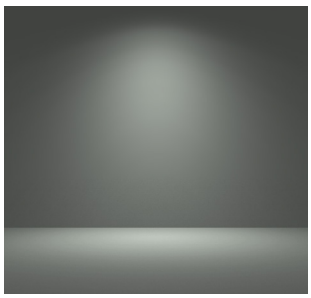


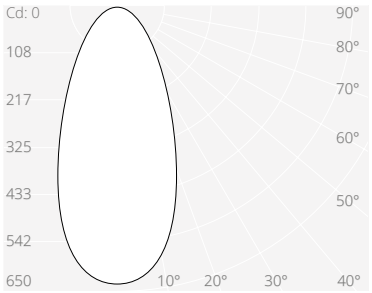


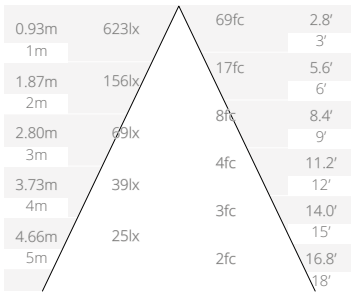


VERY WIDE

FWHM	50°
Delivered Flux	417 lm
Peak Intensity	623 cd







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SOLO 11 TUNABLE WHITE 48V DC TRACK

OPTICS

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

Optic

Medium TIR Optic

Molded ID 15

Order Code

HKRG-35-15-PC

Optic

Very Wide TIR Optic

Molded ID 36

Order Code

HKRG-35-36-PC

Optic

Ultra Wide TIR Optic

Molded ID 50

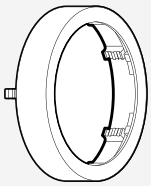
Order Code

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



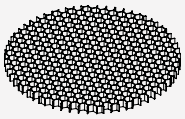
Double Accessory Holder

W43xH14mm | W1.69xH0.55"

Order Code

244-BK

Glare Control



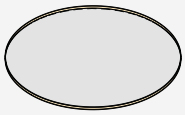
Honeycomb Louver

W37xH3.2mm | W1.46xH0.13"

Order Code

995-37-BK

Beam Shaping



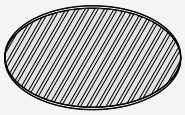
Softening Lens

W37xH3.2mm | W1.46xH0.13"

Order Code

991-37

Beam Shaping



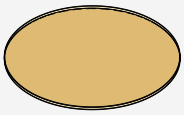
Linear Lens

W37xH3.2mm | W1.46xH0.13"

Order Code

992-37

Colour Change



1/4 CTO

W37xH1.8mm | W1.46xH0.07"

Order Code

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.