

SOLO 11 TUNABLE WHITE 48V DC TRACK

precision
by luminii

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

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	UK PART L	
CIBSE TM66	2.4	Part L1A / L1B (Dwellings) ≥75 lm/W source lumens	Compliant 110 lm/W Source lm (1001 lm) / Source W (9.10 W)
RoHS Compliance	Yes	Part L2A (General) ≥95lm/W delivered lumens	-
REACH Compliance	Yes	Part L2A (Display) ≥80 lm/W source lumens	Compliant 110 lm/W Source lm (1001 lm) / Source W (9.10 W)
WEEE Compliance	Yes - Registered Producer		
Declare	Declared		
Lifetime	L90B10 50,000hrs		
Warranty	5 Years		

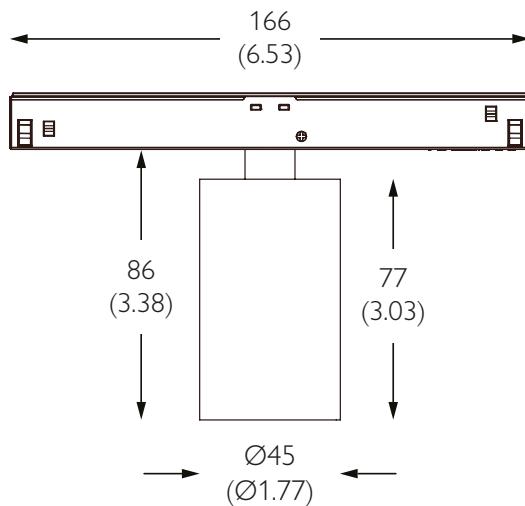
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DIMENSIONS & FINISHES

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



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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
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
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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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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PHOTOMETRY

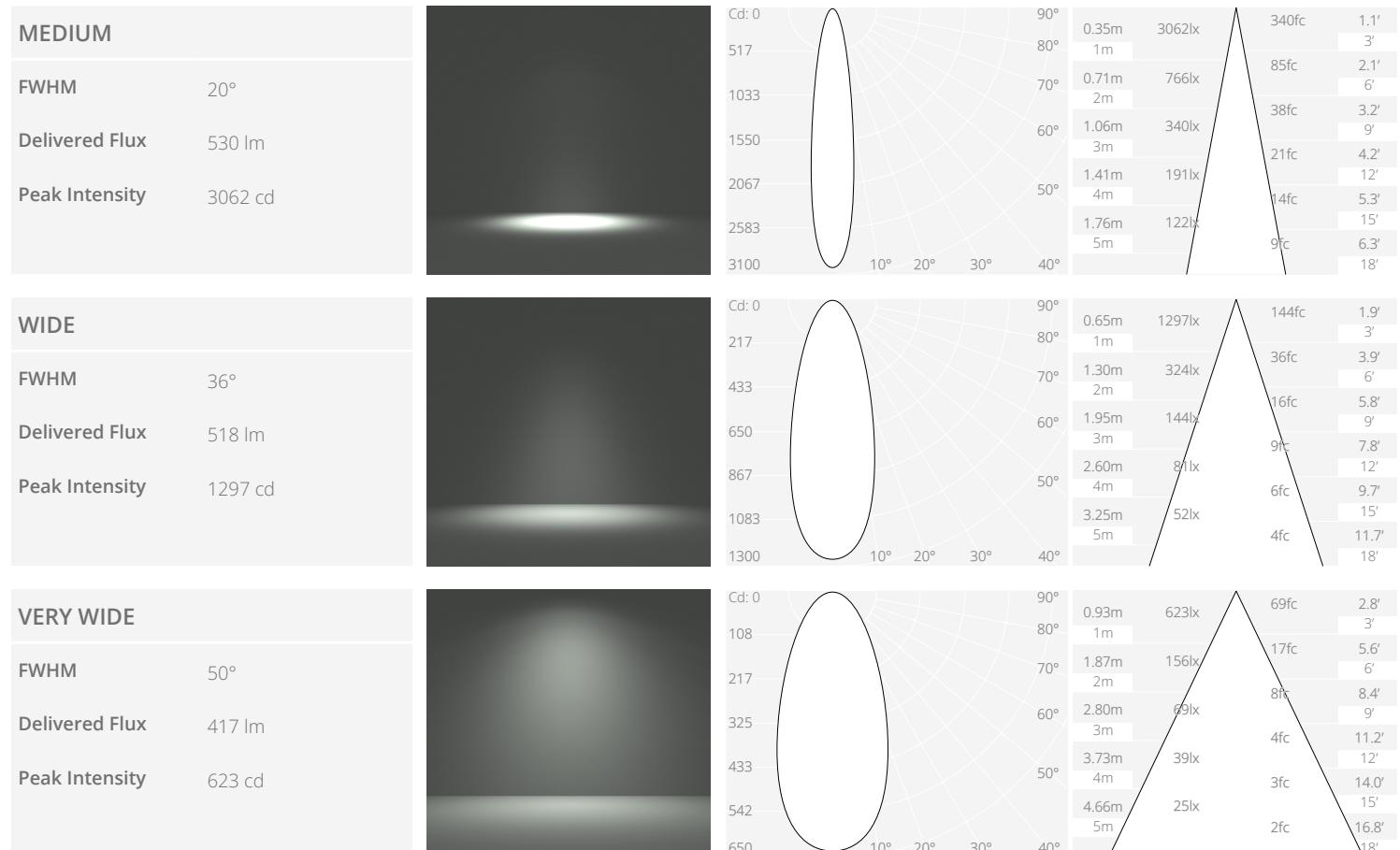
TUNABLE WHITE LIGHT ENGINE

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



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OPTICS & ACCESSORIES

TUNABLE WHITE LIGHT ENGINE

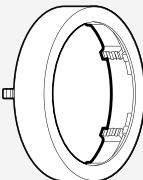
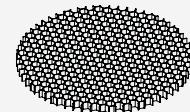
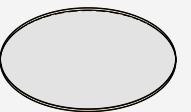
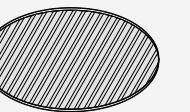
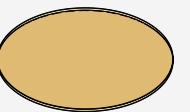
OPTICS

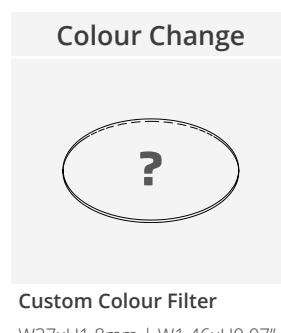
There are 3 interchangeable optics, cross reference the molded ID on the optic for beam option.

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

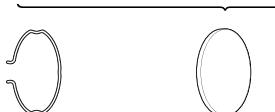


Colour Change

Custom Colour Filter
W37xH1.8mm | W1.46xH0.07"

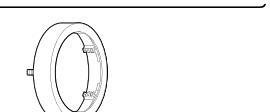
Order Code

Contact Sales Rep



Clip Accessory

Included with holder



Double Accessory Holder

Can hold 2 accessories