

SOLO 11 WARM DIM 48V DC TRACK

precision
by luminii

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 48VDC	-	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		AL Br. Aluminium
								UW Ultra Wide 50°						RBZ Rubbed Bronze		RBZ Rubbed Bronze
														BR Br. Brass		BR Br. Brass
														PB Polished 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

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

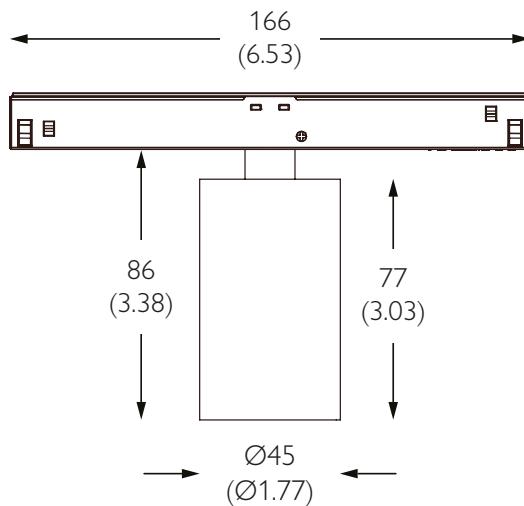
SOLO 11 WARM DIM 48V DC TRACK

precision
by luminii

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

SOLO 11 WARM DIM 48V DC TRACK

precision
by luminii

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
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
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	-	-	-	-

SOLO 11 WARM DIM 48V DC TRACK

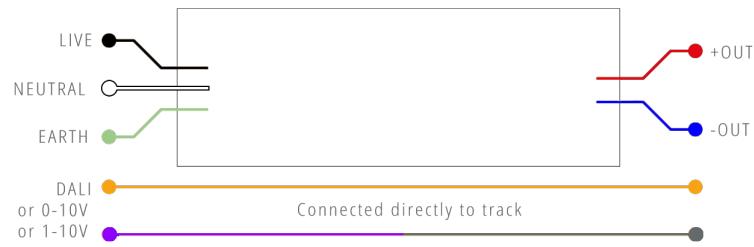
precision
by luminii

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	-	-	-	-

SOLO 11 WARM DIM 48V DC TRACK

precision
by luminii

PHOTOMETRY

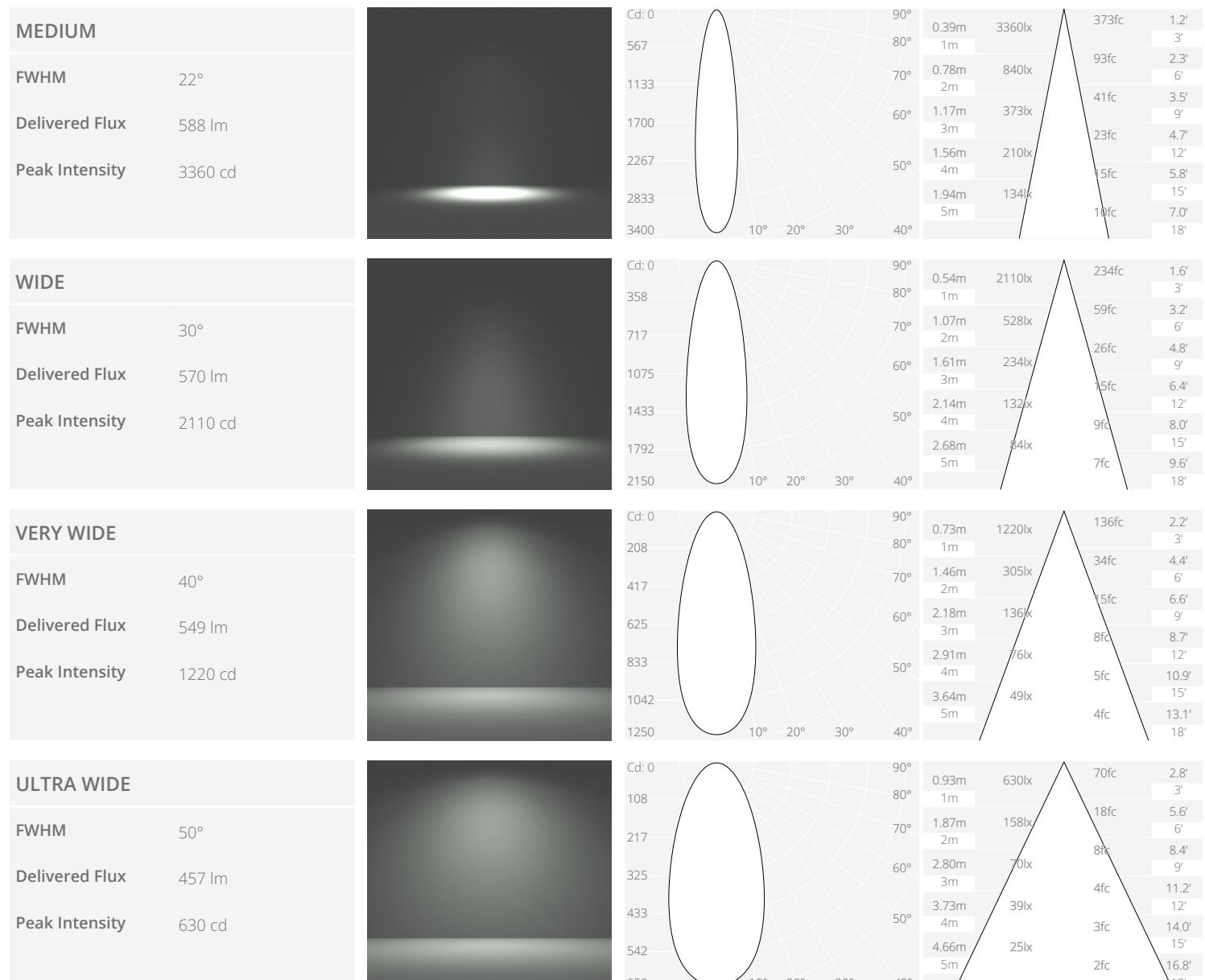
WARM DIM LIGHT ENGINE

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



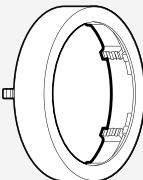
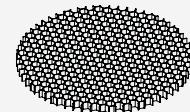
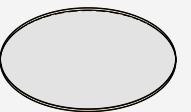
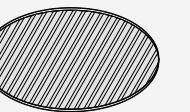
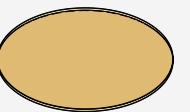
OPTICS

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

Optic	Optic	Optic	Optic
			
Medium TIR Optic Molded ID 15 Order Code HKRG-35-15-PC	Wide TIR Optic Molded ID 24 Order Code HKRG-35-24-PC	Very Wide TIR Optic Molded ID 36 Order Code HKRG-35-36-PC	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	Glare Control	Beam Shaping	Beam Shaping	Colour Change
				
Double Accessory Holder W43xH14mm W1.69xH0.55" Order Code 244-BK	Honeycomb Louver W37xH3.2mm W1.46xH0.13" Order Code 995-37-BK	Softening Lens W37xH3.2mm W1.46xH0.13" Order Code 991-37	Linear Lens W37xH3.2mm W1.46xH0.13" Order Code 992-37	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

Linear	Softening	1/4 CTO	Honeycomb
			
			

Included with holder

Double Accessory Holder
Can hold 2 accessories