SOLO 8 TUNABLE WHITE SURFACE

PRODUCT OVERVIEW

TUNABLE WHITE LIGHT ENGINE



KEY FEATURES

Beam Options: 25 | 33 | 48
Light Engine Performance: 384lm | 6.58W
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 8 Tunable White Surface is a Constant Current 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 384lm | 6.58W light engine has a max peak intensity of 1475cd. This product requires an external dual channel constant current LED driver.

PERFORMANCE

	Tunable White		
	Medium	Wide	V. Wide
FWHM	25°	33°	48°
Luminous Flux	356 lm	366 lm	384 lm
Peak Intensity	1475 cd	1045 cd	645 cd
CCT	1800-3000K | 2700-5000K		
CRI Min.	92 | 92		
LED Current	0.188 A		
Voltage	35 V		
Input Wattage	6.58 W		
Efficacy	58.4 lm/W		
Driver Type	Constant Current | Remote		
Class	SELV | Class III		

ORDER CODE

Model	Type	Output	CCT	Beam Angle	Finish
SOL08 *Solo 08*	**SP** *Surface Plate*	**TWSO** *Tunable White*	**18K30K** *1800K-3000K*	**ME** *Medium 25°*	**WH** *White*
			27K50K *2700K-5000K*	**WD** *Wide 33°*	**BK** *Black*
				VW *Very Wide 48°*	**AL** *Br. Aluminium*
					RBZ *Rubbed Bronze*
					BR *Br. Brass*
					PB *Polished Brass*

Example code: SOL08-SP-TWSO-18K30K-ME-WH

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

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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.

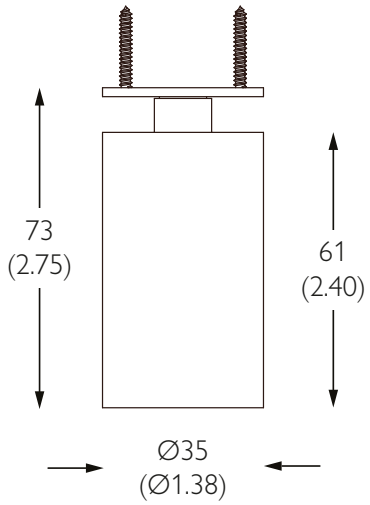
CIBSE TM65	8.18 Kg/CO2e
CIBSE TM66	2.4
RoHS Compliance	Yes
REACH Compliance	Yes
WEEE Compliance	Yes - Registered Producer
Declare	Declared
Lifetime	L90B10 50,000hrs
Warranty	5 Years

UK PART L	
Part L1A / L1B (Dwellings) *≥75 lm/W source lumens*	*Compliant 110 lm/W* *Source lm (724 lm) / Source W (6.58 W)*
Part L2A (General) *≥95lm/W delivered lumens*	-
Part L2A (Display) *≥80 lm/W source lumens*	*Compliant 110 lm/W* *Source lm (724 lm) / Source W (6.58 W)*

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SOLO 8 TUNABLE WHITE SURFACE

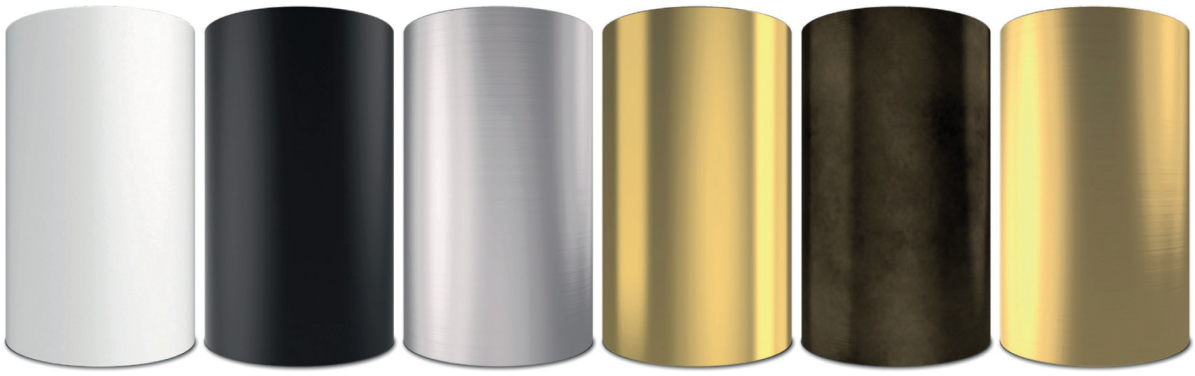
DIMENSIONS



MECHANICAL

Location	IP20 | Indoor Dry Location Only	**Cutout**	N/A
Mounting	Surface mounting plate	**Ceiling Thickness**	N/A
Adjustability	360 Pan | 90 Tilt	**Product Class**	SELV | Class III
Lockable	Pan	**Material**	Machined AL 6063-T6 | Machined Brass
Accessories	Louver | Lenses	**Weight**	82g | 0.18lb

FINISHES



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

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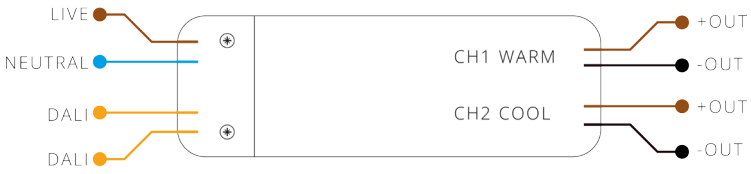
SOLO 8 TUNABLE WHITE SURFACE

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

TUNABLE WHITE LIGHT ENGINE

20W | DALI-2 DT6 | Remote | Constant Current

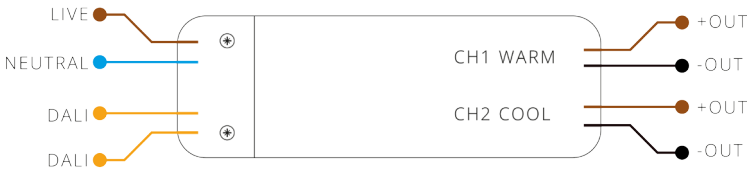
Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2 DT6
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	1800-3000K	2700-5000K		L	W	H
Max. Lights	1 only	1 only	**mm**	184	41	30
Order Code	PSCC-RM-1110T01-01D	PSCC-RM-1110T02-01D	**in**	7.24	1.61	1.18

20W | DALI-2 DT8 | Remote | Constant Current

Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2 DT8
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	1800-3000K	2700-5000K		L	W	H
Max. Lights	1 only	1 only	**mm**	184	41	30
Order Code	PSCC-RM-1110T01-01E	PSCC-RM-1110T02-01E	**in**	7.24	1.61	1.18

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50W | 0-10V 2CH | Remote | Constant Current

Input Voltage	120-277V | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	0-10V 2CH
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	1800-3000K	2700-5000K		L	W	H
Max. Lights	1 only	1 only	**mm**	318	130	61
Order Code	USCC-RM-1110T01-01A	USCC-RM-1110T02-01A	**in**	12.52	5.12	2.4

30W | DALI-2 DT6 | Remote | Constant Current

Input Voltage	120-277V | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2 DT6
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	1800-3000K	2700-5000K		L	W	H
Max. Lights	1 only	1 only	**mm**	318	130	61
Order Code	USCC-RM-1110T01-01D	USCC-RM-1110T02-01D	**in**	12.52	5.12	2.4

30W | DALI-2 DT8 | Remote | Constant Current

Input Voltage	120-277V | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2 DT8
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	1800-3000K	2700-5000K		L	W	H
Max. Lights	1 only	1 only	**mm**	318	130	61
Order Code	USCC-RM-1110T01-01E	USCC-RM-1110T02-01E	**in**	12.52	5.12	2.4

SOLO 8 TUNABLE WHITE SURFACE

PHOTOMETRY

TUNABLE WHITE LIGHT ENGINE

OUTPUT SCALING

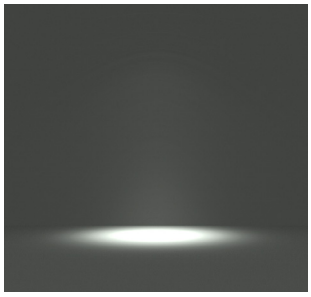
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
1800K	0.57	92	68	90	99	219
2400K	0.77	92	80	90	99	296
3000K	1.00	92	75	90	99	384
4000K	1.05	91	70	89	101	403
5000K	1.06	91	65	89	99	407

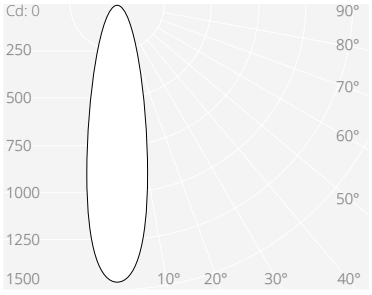
Colour Consistency: 3 SDCM at 3000K

PHOTOMETRY

MEDIUM

FWHM	25°
Delivered Flux	356 lm
Peak Intensity	1475 cd

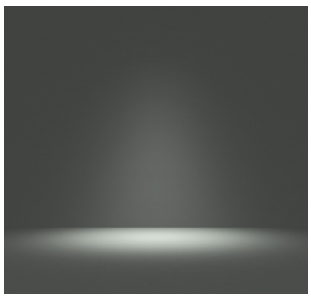


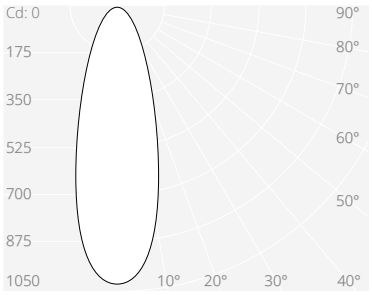


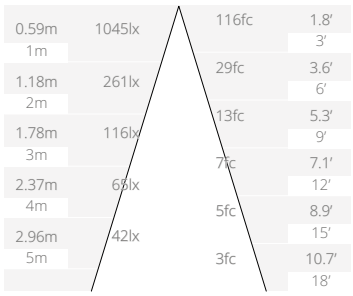


WIDE

FWHM	33°
Delivered Flux	366 lm
Peak Intensity	1045 cd

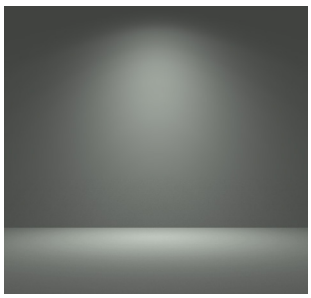


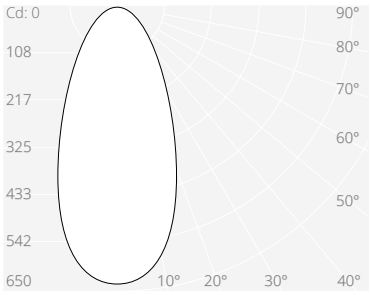


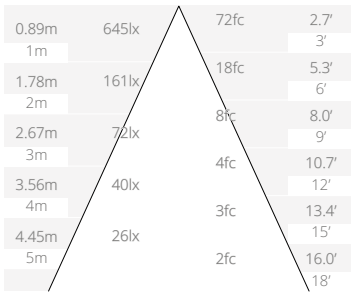


VERY WIDE

FWHM	48°
Delivered Flux	384 lm
Peak Intensity	645 cd







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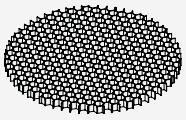
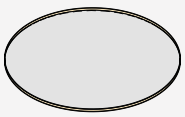
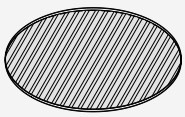
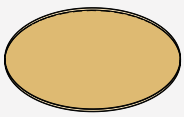
OPTICS

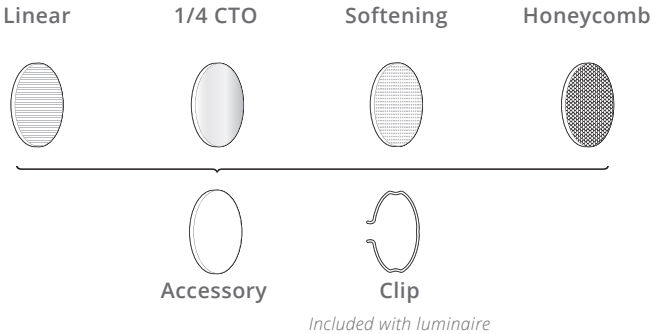
There are 3 interchangeable optics, cross reference the molded ID on the optic for beam option.

Optic	Optic	Optic
		
Medium TIR Optic	**Wide TIR Optic**	**Very Wide TIR Optic**
Molded ID 18	Molded ID 24	Molded ID 36
Order Code	**Order Code**	**Order Code**
HKRG-25-18-PC	**HKRG-25-24-PC**	**HKRG-25-36-PC**

ACCESSORIES

This product can hold 2 x accessories within the integrated holder. To accommodate additional accessories please contact our sales team. Accessories are pre-installed unless otherwise requested.

Glare Control	Beam Shaping	Beam Shaping	Colour Change	Colour Change
				
Honeycomb Louver	**Softening Lens**	**Linear Lens**	**1/4 CTO**	**Custom Colour Filter**
W25xH3.2mm | W0.98xH0.13”	W25xH1.5mm | W0.98xH0.06”	W25xH1.5mm | W0.98xH0.06”	W25xH1.8mm | W0.98xH0.07”	W25xH1.8mm | W0.98xH0.07”
Order Code	**Order Code**	**Order Code**	**Order Code**	**Order Code**
995-25-BK	**HKFD-25-SMO-1**	**HKFD-25-LIN-1**	**997-1/4CTO-25**	**Contact Sales Rep**



Included with luminaire