

SOLO 8 HE 48V DC TRACK

PRODUCT OVERVIEW

HIGH EFFICIENCY LIGHT ENGINE



KEY FEATURES

- Beam Options: 30 | 35 | 44
- Light Engine Performance: 613lm | 6.02W
- Movement: 360 Pan | 90 Tilt
- Tool-less field changeable optics
- Interchangeable accessories
- High CRI
- Part L1 / L2 (General & Display) Compliant
- Title 24 JA8 Certified



OVERVIEW

Solo 8 HE 48V DC Track is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 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 613lm | 6.02W light engine has a max peak intensity of 2270cd. This product mounts to the 48V DC Stucchi Multisystem Evo Track and requires an external 17.2V Constant Voltage LED power supply to the track.

PERFORMANCE

	High Efficiency		
	Medium	Wide	V. Wide
FWHM	30°	35°	44°
Luminous Flux	613 lm	597 lm	575 lm
Peak Intensity	2270 cd	1691 cd	930 cd
CCT	2700K 3000K		
CRI Min.	90 90		
LED Current	0.350 A		
Voltage	48 V		
Input Wattage	6.34 W		
Efficacy	101.8 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
SOL08 Solo 08	MU Multisystem Track	HE High Efficiency	27K 2700K	ME Medium 30°	48 48V DC	010G 0-10V Log	WH White	WH White
			30K 3000K	WD Wide 35°		LOC On-board	BK Black	BK Black
				VW Very Wide 44°		DALI DALI		AL Br. Aluminium
								RBZ Rubbed Bronze
								BR Br. Brass
								PB Polished Brass

Example code: SOL08-MU-HE-27K-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 HE light engine, this product is also available with Intense and Plus static white light engines, please refer to their separate sheets.

plus+

Precisions plus light engines offer the best balance between delivered lumens, beam quality and outstanding colour rendition.

- Increased Lumen Output
- CRI 98 Typical

HE

Precisions high efficiency light engines deliver the highest possible lumen values as well as our outstanding energy efficiency

- Maximum Lumen Output
- Maximum Energy Efficiency

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.

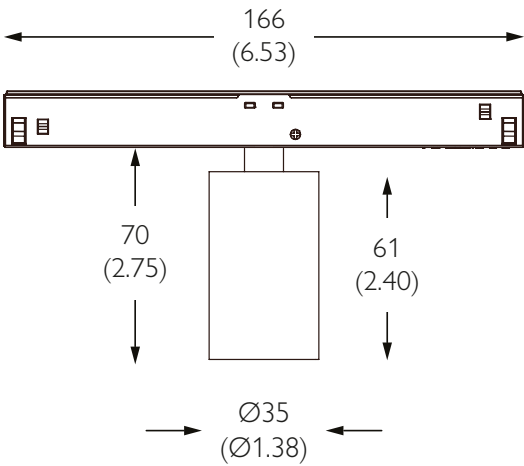
CIBSE TM65	8.77 Kg/CO2e	UK PART L	
CIBSE TM66	2.4	Part L1A / L1B (Dwellings)	Compliant 154 lm/W Source lm (927 lm) / Source W (6.02 W)
RoHS Compliance	Yes	Part L2A (General)	Compliant 97 lm/W Delivered (613 lm) / System W* (6.34 W)
REACH Compliance	Yes	Part L2A (Display)	Compliant 154 lm/W Source lm (927 lm) / Source W (6.02 W)
WEEE Compliance	Yes - Registered Producer	*System W includes driver losses	
Declare	Declared		
Lifetime	L90B10 50,000hrs		
Warranty	5 Years		

SOLO 8 HE 48V DC TRACK

DIMENSIONS & FINISHES

HIGH EFFICIENCY 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	Louver Lenses	Weight	102g 0.22lb

FINISHES



SOLO 8 HE 48V DC TRACK

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 12	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 24	mm	195	68	40
Order Code	PSCV-200-48-N1-MW	in	7.68	2.68	1.57

48V TRACK CABLE DISTANCES

100W	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
	50	164	50	164	40	131.2	25	82
	200W	40	131.2	30	98.4	-	-	-

SOLO 8 HE 48V DC TRACK

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 12	mm	220	95	40
Order Code	USCV-96-48-N1-SC-EN	in	8.66	3.74	1.57

48V TRACK CABLE DISTANCES

100W	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							
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	50	164	50	164	40	131.2	25	82
	200W	40	131.2	30	98.4	-	-	-

SOLO 8 HE 48V DC TRACK

PHOTOMETRY


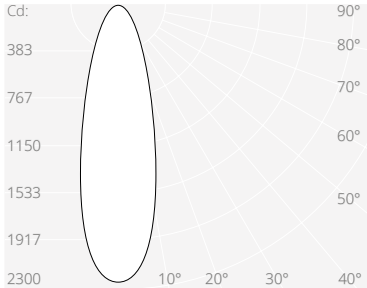
HIGH EFFICIENCY LIGHT ENGINE

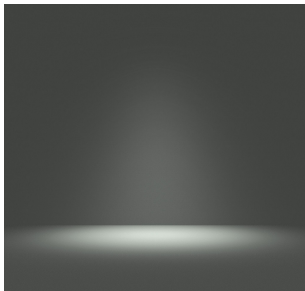
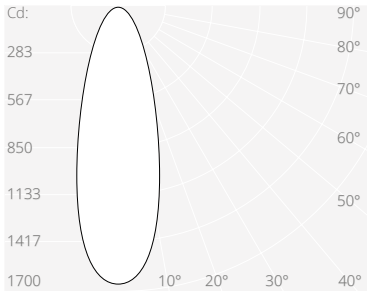
OUTPUT SCALING

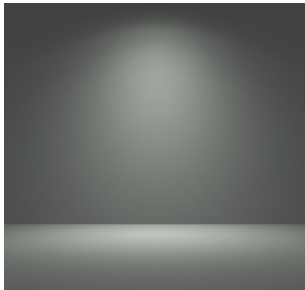
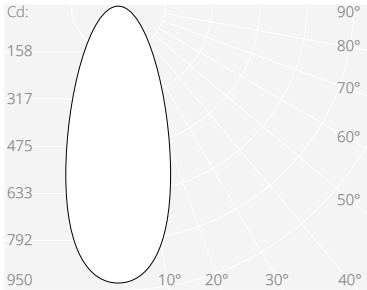
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	1.00	90	57	90	101	613
3000K	1.00	90	57	90	101	613
3500K	-	-	-	-	-	-
4000K	-	-	-	-	-	-

Colour Consistency: 2 SDCM

PHOTOMETRY




MEDIUM				<table><tr><td>0.54m</td><td>2270lx</td><td>252fc</td><td>1.6'</td></tr><tr><td>1m</td><td></td><td>3'</td><td></td></tr><tr><td>1.07m</td><td>568lx</td><td>63fc</td><td>3.2'</td></tr><tr><td>2m</td><td></td><td>6'</td><td></td></tr><tr><td>1.61m</td><td>252lx</td><td>28fc</td><td>4.8'</td></tr><tr><td>3m</td><td></td><td>9'</td><td></td></tr><tr><td>2.14m</td><td>142lx</td><td>16fc</td><td>6.4'</td></tr><tr><td>4m</td><td></td><td>12'</td><td></td></tr><tr><td>2.68m</td><td>91lx</td><td>10fc</td><td>8.0'</td></tr><tr><td>5m</td><td></td><td>15'</td><td></td></tr><tr><td></td><td></td><td>7fc</td><td>9.6'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.54m	2270lx	252fc	1.6'	1m		3'		1.07m	568lx	63fc	3.2'	2m		6'		1.61m	252lx	28fc	4.8'	3m		9'		2.14m	142lx	16fc	6.4'	4m		12'		2.68m	91lx	10fc	8.0'	5m		15'				7fc	9.6'				18'
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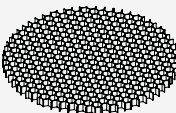
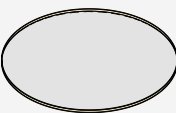
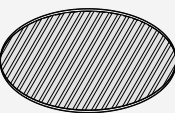
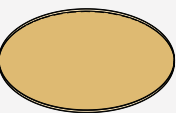

OPTICS

There are 3 interchangeable optics

Optic	Optic	Optic
		
Medium TIR Optic Molded ID 24	Wide TIR Optic Molded ID 36	Very Wide TIR Optic Molded ID 50
Order Code HKST-25-24-SIL	Order Code HKST-25-36-SIL	Order Code HKST-25-50-SIL

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 W25xH3.2mm W0.98xH0.13"	Softening Lens W25xH1.5mm W0.98xH0.06"	Linear Lens W25xH1.5mm W0.98xH0.06"	1/4 CTO W25xH1.8mm W0.98xH0.07"	Custom Colour Filter W25xH1.8mm W0.98xH0.07"
Order Code 995-25-BK	Order Code HKFD-25-SMO-1	Order Code HKFD-25-LIN-1	Order Code 997-1/4CTO-25	Order Code Contact Sales Rep

