

SOLO 08

ACCENT SPOTLIGHT | 48V MULTISYSTEM TRACK

STATIC WHITE | PLUS



KEY FEATURES

- Beam Options: 17 | 24 | 35 | 50
- Light Engine Performance: 461lm | 6.00W
- Movement: 360 Pan | 90 Tilt
- Tool-less field changeable optics
- Interchangeable accessories
- Ultra-high CRI
- UK Part L1 / L2 (Display) Compliant
- Title 24 JA8 Certified



OVERVIEW

Solo 8 Plus 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 four site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. Our 461lm | 6.00W light engine has a max peak intensity of 3738cd. This product mounts to the 48V DC Stucchi Multisystem Evo Track and requires an external 17.15V Constant Voltage LED power supply to the track.

PERFORMANCE

	Plus			
	Narrow	Medium	Wide	V. Wide
FWHM	17°	24°	35°	50°
Luminous Flux	405 lm	440 lm	461 lm	415 lm
Peak Intensity	3738 cd	2468 cd	1253 cd	591 cd
CCT	2400K 2700K 3000K 3500K 4000K			
CRI Min.	90 98 98 98 95			
LED Current	0.350 A			
Voltage	48 V			
Input Wattage	6.67 W			
Efficacy	76.8 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	PL Plus	24K 2400K	NR Narrow 17°	48 48V DC	010G 0-10V Log	WH White	WH White
			27K 2700K	ME Medium 24°		LOC On-board	BK Black	BK Black
			30K 3000K	WD Wide 35°		CAS Casambi		AL Br. Aluminium
			35K 3500K	VW Very Wide 50°		DALI DALI		RBZ Rubbed Bronze
			40K 4000K					BR Br. Brass
								PB Polished Brass

Example code: SOL08-MU-PL-24K-NR-48-010G-WH-WH

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

LIGHT ENGINE SELECTION

This product specification sheet references our Plus light engine, this product is also available with a HE static white light engine, please refer to is separate specification sheet.

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

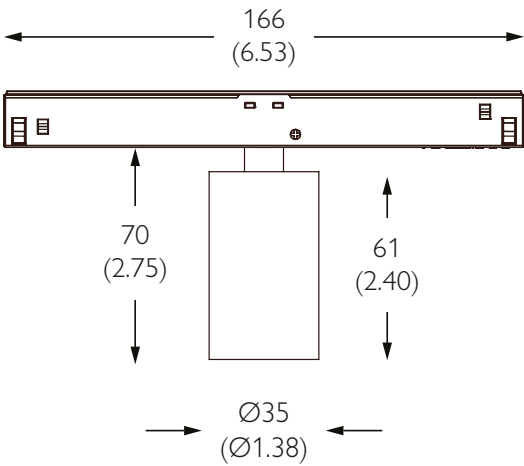
LIFETIME & ENVIRONMENTAL

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 121 lm/W Source lm (726 lm) / Source W (6.00 W)
RoHS Compliance	Yes	Part L2A (General)	-
REACH Compliance	Yes	Part L2A (Display)	Compliant 121 lm/W Source lm (726 lm) / Source W (6.00 W)
WEEE Compliance	Yes - Registered Producer		
Declare	Declared		
Lifetime	L90B10 50,000hrs		
Warranty	5 Years		

SOLO 08

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
			* Brass finishes weight

FINISHES



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 08

ACCENT SPOTLIGHT | 48V MULTISYSTEM TRACK

STATIC WHITE | PLUS

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							
	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 08

ACCENT SPOTLIGHT | 48V MULTISYSTEM TRACK

STATIC WHITE | PLUS

OUTPUT SCALING

CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	0.97	90	90	90	99	447
2700K	0.93	98	95	95	101	429
3000K	1.00	98	95	95	100	461
3500K	1.05	98	92	95	99	484
4000K	1.05	95	90	90	99	484

Colour Consistency: 2 SDCM







PHOTOMETRY

NARROW				<table><tr><td>0.30m</td><td>3738lx</td><td>415fc</td><td>0.9'</td></tr><tr><td>1m</td><td></td><td>3'</td><td></td></tr><tr><td>0.60m</td><td>935lx</td><td>104fc</td><td>1.8'</td></tr><tr><td>2m</td><td></td><td>6'</td><td></td></tr><tr><td>0.90m</td><td>415lx</td><td>46fc</td><td>2.7'</td></tr><tr><td>3m</td><td></td><td>9'</td><td></td></tr><tr><td>1.20m</td><td>234lx</td><td>26fc</td><td>3.6'</td></tr><tr><td>4m</td><td></td><td>12'</td><td></td></tr><tr><td>1.49m</td><td>150lx</td><td>17fc</td><td>4.5'</td></tr><tr><td>5m</td><td></td><td>15'</td><td></td></tr><tr><td></td><td></td><td>12fc</td><td>5.4'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.30m	3738lx	415fc	0.9'	1m		3'		0.60m	935lx	104fc	1.8'	2m		6'		0.90m	415lx	46fc	2.7'	3m		9'		1.20m	234lx	26fc	3.6'	4m		12'		1.49m	150lx	17fc	4.5'	5m		15'				12fc	5.4'				18'
0.30m	3738lx	415fc	0.9'																																																	
1m		3'																																																		
0.60m	935lx	104fc	1.8'																																																	
2m		6'																																																		
0.90m	415lx	46fc	2.7'																																																	
3m		9'																																																		
1.20m	234lx	26fc	3.6'																																																	
4m		12'																																																		
1.49m	150lx	17fc	4.5'																																																	
5m		15'																																																		
		12fc	5.4'																																																	
			18'																																																	
MEDIUM				<table><tr><td>0.43m</td><td>2468lx</td><td>274fc</td><td>1.3'</td></tr><tr><td>1m</td><td></td><td>3'</td><td></td></tr><tr><td>0.85m</td><td>617lx</td><td>69fc</td><td>2.6'</td></tr><tr><td>2m</td><td></td><td>6'</td><td></td></tr><tr><td>1.28m</td><td>274lx</td><td>30fc</td><td>3.8'</td></tr><tr><td>3m</td><td></td><td>9'</td><td></td></tr><tr><td>1.70m</td><td>154lx</td><td>17fc</td><td>5.1'</td></tr><tr><td>4m</td><td></td><td>12'</td><td></td></tr><tr><td>2.13m</td><td>99lx</td><td>11fc</td><td>6.4'</td></tr><tr><td>5m</td><td></td><td>15'</td><td></td></tr><tr><td></td><td></td><td>8fc</td><td>7.7'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.43m	2468lx	274fc	1.3'	1m		3'		0.85m	617lx	69fc	2.6'	2m		6'		1.28m	274lx	30fc	3.8'	3m		9'		1.70m	154lx	17fc	5.1'	4m		12'		2.13m	99lx	11fc	6.4'	5m		15'				8fc	7.7'				18'
0.43m	2468lx	274fc	1.3'																																																	
1m		3'																																																		
0.85m	617lx	69fc	2.6'																																																	
2m		6'																																																		
1.28m	274lx	30fc	3.8'																																																	
3m		9'																																																		
1.70m	154lx	17fc	5.1'																																																	
4m		12'																																																		
2.13m	99lx	11fc	6.4'																																																	
5m		15'																																																		
		8fc	7.7'																																																	
			18'																																																	
WIDE				<table><tr><td>0.63m</td><td>1253lx</td><td>139fc</td><td>1.9'</td></tr><tr><td>1m</td><td></td><td>3'</td><td></td></tr><tr><td>1.26m</td><td>313lx</td><td>35fc</td><td>3.8'</td></tr><tr><td>2m</td><td></td><td>6'</td><td></td></tr><tr><td>1.89m</td><td>139lx</td><td>15fc</td><td>5.7'</td></tr><tr><td>3m</td><td></td><td>9'</td><td></td></tr><tr><td>2.52m</td><td>78lx</td><td>9fc</td><td>7.6'</td></tr><tr><td>4m</td><td></td><td>12'</td><td></td></tr><tr><td>3.15m</td><td>50lx</td><td>6fc</td><td>9.5'</td></tr><tr><td>5m</td><td></td><td>15'</td><td></td></tr><tr><td></td><td></td><td>4fc</td><td>11.4'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.63m	1253lx	139fc	1.9'	1m		3'		1.26m	313lx	35fc	3.8'	2m		6'		1.89m	139lx	15fc	5.7'	3m		9'		2.52m	78lx	9fc	7.6'	4m		12'		3.15m	50lx	6fc	9.5'	5m		15'				4fc	11.4'				18'
0.63m	1253lx	139fc	1.9'																																																	
1m		3'																																																		
1.26m	313lx	35fc	3.8'																																																	
2m		6'																																																		
1.89m	139lx	15fc	5.7'																																																	
3m		9'																																																		
2.52m	78lx	9fc	7.6'																																																	
4m		12'																																																		
3.15m	50lx	6fc	9.5'																																																	
5m		15'																																																		
		4fc	11.4'																																																	
			18'																																																	
VERY WIDE				<table><tr><td>0.93m</td><td>591lx</td><td>66fc</td><td>2.8'</td></tr><tr><td>1m</td><td></td><td>3'</td><td></td></tr><tr><td>1.87m</td><td>148lx</td><td>16fc</td><td>5.6'</td></tr><tr><td>2m</td><td></td><td>6'</td><td></td></tr><tr><td>2.80m</td><td>66lx</td><td>7fc</td><td>8.4'</td></tr><tr><td>3m</td><td></td><td>9'</td><td></td></tr><tr><td>3.73m</td><td>37lx</td><td>4fc</td><td>11.2'</td></tr><tr><td>4m</td><td></td><td>12'</td><td></td></tr><tr><td>4.66m</td><td>24lx</td><td>3fc</td><td>14.0'</td></tr><tr><td>5m</td><td></td><td>15'</td><td></td></tr><tr><td></td><td></td><td>2fc</td><td>16.8'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.93m	591lx	66fc	2.8'	1m		3'		1.87m	148lx	16fc	5.6'	2m		6'		2.80m	66lx	7fc	8.4'	3m		9'		3.73m	37lx	4fc	11.2'	4m		12'		4.66m	24lx	3fc	14.0'	5m		15'				2fc	16.8'				18'
0.93m	591lx	66fc	2.8'																																																	
1m		3'																																																		
1.87m	148lx	16fc	5.6'																																																	
2m		6'																																																		
2.80m	66lx	7fc	8.4'																																																	
3m		9'																																																		
3.73m	37lx	4fc	11.2'																																																	
4m		12'																																																		
4.66m	24lx	3fc	14.0'																																																	
5m		15'																																																		
		2fc	16.8'																																																	
			18'																																																	

GLARE GUARD ACCESSORY HOLDER



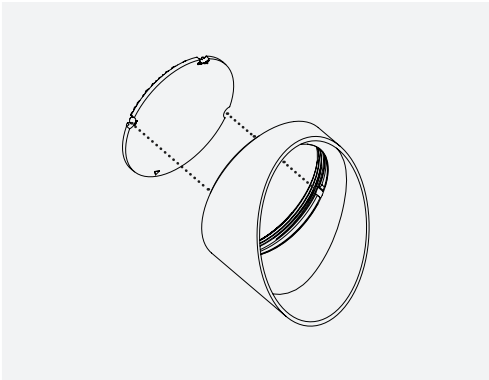
The Glare Guard Accessory Holder is an angled, snap-in snoot extension capable of holding a range of optical accessories, including honeycombs, gels, and beam shaping optics such as Wallwash and Linear Spread Lenses. The holder comprises of two halves, a front compartment and a rear compartment. The rear compartment is capable of holding a single accessory, whilst the the front compartment is used to hold orientation dependent beam shaping optics such as the Wallwash and Linear Spread lens.

	a. Front Compartment	b. Rear Compartment
Accessory Diameter	Ø30 mm 1.18"	Ø25 mm 0.98"
Capacity	1.2mm 0.05" Max. Thickness	3.2mm 0.125" Max. Thickness
Orientation Indexing	Yes - Alignment Notches	No
Weight	Aluminium: 120g Brass: 290g	
Ordering Codes		
 Black	1110-GLR-01-BK	 Polished Brass * 1110-GLR-02-PB
 Traffic White	1110-GLR-01-TW	 Brushed Brass* 1110-GLR-02-SB
 Brushed Aluminium	1110-GLR-01-AL	 Rubbed Bronze * 1110-GLR-02-RB



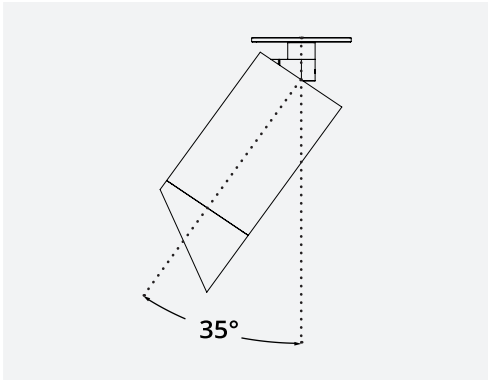
Optical accessories ordered separately

* N.B. - Custom RAL, Brass and Brozne finishes subject to extended lead times



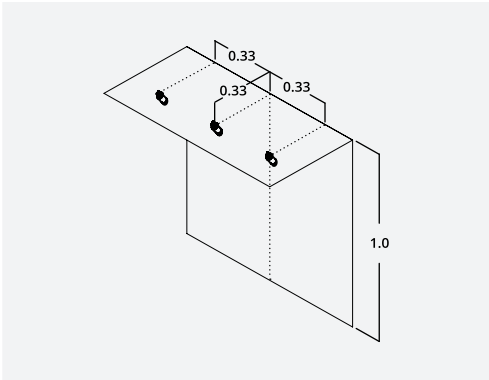
Orientation Indexing

Orientation indexing is not available with this accessory holder, please align accessories by eye. Ensure that discs are installed with their textured side facing inwards towards LED.



Wallwash Fixture Angle

For optimum performance, the fixture should be angled at approx. 35° from the vertical plane.



Wallwash Positioning and Pitch

Wallwash fixtures should be positioned one-third of the ceiling height away from the wall and spaced apart by the same distance.

plus⁺

WALLWASH PHOTOMETRY



Solo 08 Plus

+



1110-GLR-01-AL

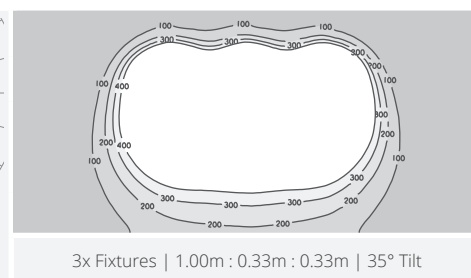
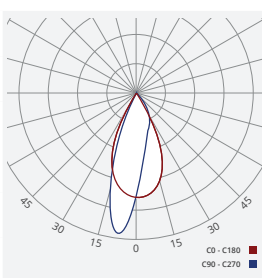
+



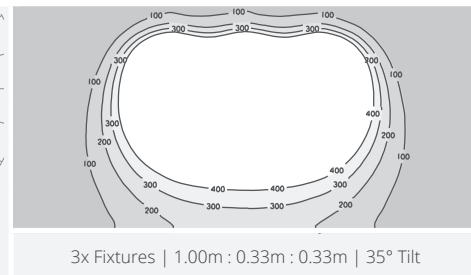
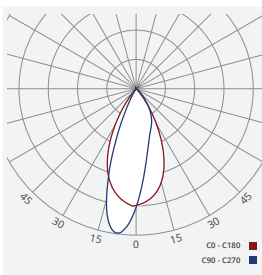
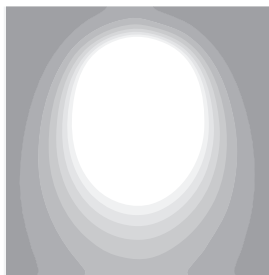
HKFD-30-WAS-1

- Recommended max. wall height is 1.00m / 3.28 ft
- Recommended set back and fixture spacing is 0.33m / 1.08 ft
- Recommended base optics are Medium 24° or Wide 36°
- The Wallwash Disc **HKFD-30-WAS-1** can only be used in combination with the Glare Guard Accessory Holder **1110-GLR-XX-XX**
- Follow the set back and fixture spacing rules outlined on page 10 - results may vary depending on your application

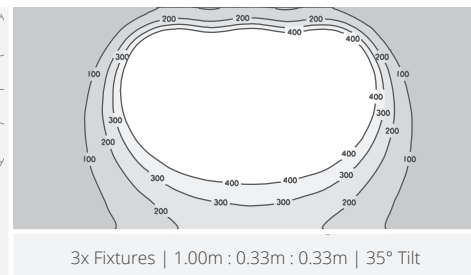
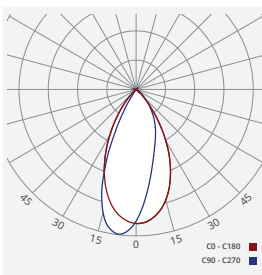
Base Optic	Narrow (17°)
Distribution Angle	22° x 49°
Delivered Flux	300 lm
Peak Intensity	751 Cd
Efficiency	50 lm/W
Efficiency Multiplier	x 0.74



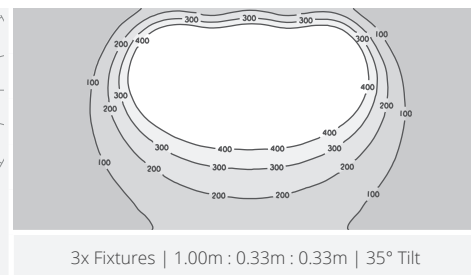
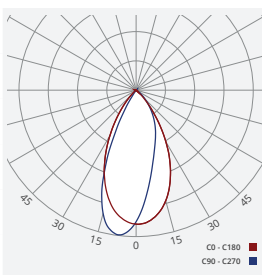
Base Optic	Medium (24°)
Distribution Angle	27° x 51°
Delivered Flux	309 lm
Peak Intensity	628 Cd
Efficiency	51.5 lm/W
Efficiency Multiplier	x 0.70



Base Optic	Wide (35°)
Distribution Angle	37° x 55°
Delivered Flux	310 lm
Peak Intensity	472 Cd
Efficiency	51.6 lm/W
Efficiency Multiplier	x 0.67



Base Optic	Very Wide (50°)
Distribution Angle	46° x 58°
Delivered Flux	228 lm
Peak Intensity	276 Cd
Efficiency	38 lm/W
Efficiency Multiplier	x 0.55



Digital photometric files available as .LDT format.

Contact your sales rep or visit www.luminii.com for more information.







SNOOT ACCESSORY HOLDER



The Single Accessory Holder (sold separately) enhances the Solo 08's optical accessory capacity while adding decorative trim in a variety of complementary finishes. Its snap-in, snap-out mechanism is completely tool-free, making on-site adjustments simple and ensuring the holder fits flush with the snoot's front edge.

Accessory Diameter	Ø30 mm 1.18"
Capacity	3.2 mm 0.12" Max. Thickness
Orientation Index	No
Weight	Aluminum 60g Brass 170g

Ordering Codes

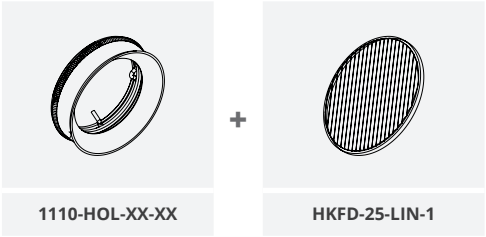
	Black	1110-HOL-01-BK		Polished Brass *	1110-HOL-02-PB
	Traffic White	1110-HOL-01-TW		Brushed Brass *	1110-HOL-02-SB
	Brushed Aluminium	1110-HOL-01-AL		Rubbed Bronze *	1110-HOL-02-RB



Optical accessories ordered separately

* N.B. - Custom RAL, Brass and Bronze finishes subject to extended lead times

Ø25MM LINEAR SPREAD LENS



- The Linear Spread Lens **HKFD-25-LIN-1** is a micropismatic PMMA lens that can be used to create asymmetric linear beam effects
- For best performance, use in conjunction with the Snoot Accessory Holder **1110-HOL-XX-XX**
- Using narrower base optics will produce a longer, thinner beam
- The beam is spread widest perpendicular to the disc's vertical stripes (see *fig. 1*)

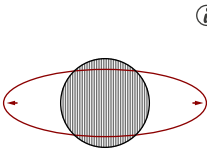
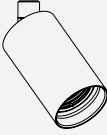






fig. 1

 plus+	Narrow (17°)				Medium (24°)				Wide (35°)				Very Wide (50°)			
	CO - C180 C90 - C270				CO - C180 C90 - C270				CO - C180 C90 - C270				CO - C180 C90 - C270			
	Distribution Angle				23° x 53°				33° x 57°				46° x 63°			
	Delivered Flux				380 lm				398 lm				334 lm			
Peak Intensity				1,214 Cd	957 Cd				649 Cd				367 Cd			
Efficiency				61.0 lm/W	63.3 lm/W				66.3 lm/W				61.1 lm/W			
Efficiency Multiplier				x 0.90	x 0.86				x 0.86				x 0.80			

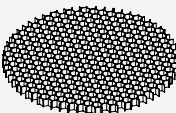
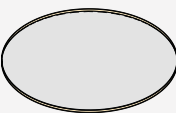
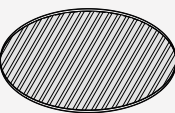
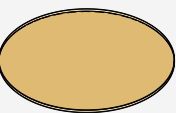

OPTICS

There are 4 interchangeable optics, cross reference the molded ID on the optic for beam option.

Optic	Optic	Optic	Optic
			
Narrow TIR Optic Molded ID 15 FWHM 17 Order Code HKHG-25-15-PMMA	Medium TIR Optic Molded ID 24 FWHM 24 Order Code HKHG-25-24-PMMA	Wide TIR Optic Molded ID 36 FWHM 35 Order Code HKHG-25-36-PMMA	Very Wide TIR Optic Molded ID 50 FWHM 35 Order Code HKHG-25-50-PMMA

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

