

# SOLO 16 INTENSE SURFACE

6° ULTRA NARROW BEAM

STATIC WHITE



## OVERVIEW

Solo 16 Surface is a Constant Current 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 five site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. The ultra narrow beam in our 8.40W 700lm module has a peak intensity of 28223cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 12V Constant Current LED driver.

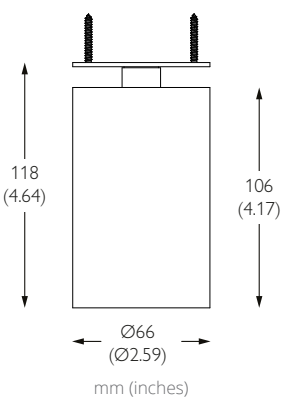
- UK PART L**
- Part L1A / L1B (Dwellings) ●
  - Part L2A (General)
  - Part L2A (Display) ●



## PERFORMANCE

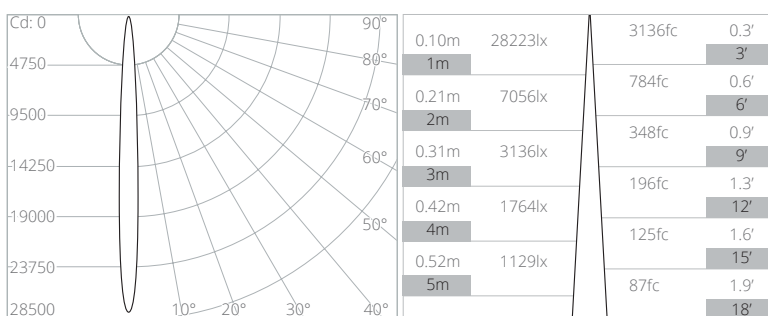
FWHM	6°	Category	IP20
Luminous Flux	650 lm	Material	Machined AL 6063-T6   Machined Brass
Peak Intensity	28223 cd	Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
CCT	2700K   3000K   3500K   4000K	Weight	350g   0.77lb
CRI Min.	92 TYP	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360°   Tilt 90°
Nom. Voltage	12 V	Lockable	Pan
Max. Wattage	8.40 W	Accessories	Separate   Lenses   Louver 55mm (2.16")
Dimming	0-10V   DALI	TM65   TM66	16.1kgCO2e   2.4
Driver Type	Constant Current   Remote	Lifetime	L90B10 100,000hrs   5 year warranty
Class	SELV   Class III		

## DIMENSIONS



## PHOTOMETRY

CCT	Multiplier
2700K	x0.90
3000K	x1.00
3500K	x1.00
4000K	x1.00



Data at 3000K

## ORDER CODE

Model	Finish	CCT	Beam Angle
1051	-	-	-
	<b>WH</b> White RAL 9010	<b>2792</b> 2700K 92CRI	<b>UN</b> Ultra Narrow 6°
	<b>BK</b> Black RAL 9005	<b>3092</b> 3000K 92CRI	<b>NA</b> Narrow 10°
	<b>AL</b> Brushed Aluminium	<b>3592</b> 3500K 92CRI	<b>ME</b> Medium 15°
	<b>RB</b> Rubbed Bronze	<b>4092</b> 4000K 92CRI	<b>FL</b> Flood 30°
	<b>PB</b> Polished Brass		<b>WF</b> Wide Flood 55°
	<b>SB</b> Brushed Brass		

Example Code: 1051-WH-3092UN

\*Premium & custom finishes are built to order, subject to an extended lead time & MOQ  
See Drivers, Power Supplies and Accessories sections for further order codes

# SOLO 16 INTENSE SURFACE

10° NARROW BEAM

STATIC WHITE



## OVERVIEW

Solo 16 Surface is a Constant Current 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 five site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. The narrow beam in our 8.40W 700lm module has a peak intensity of 15476cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 12V Constant Current LED driver.

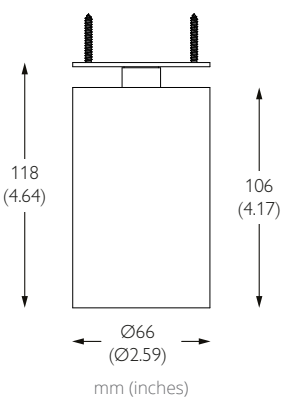
- UK PART L**
- Part L1A / L1B (Dwellings) ●
  - Part L2A (General)
  - Part L2A (Display) ●



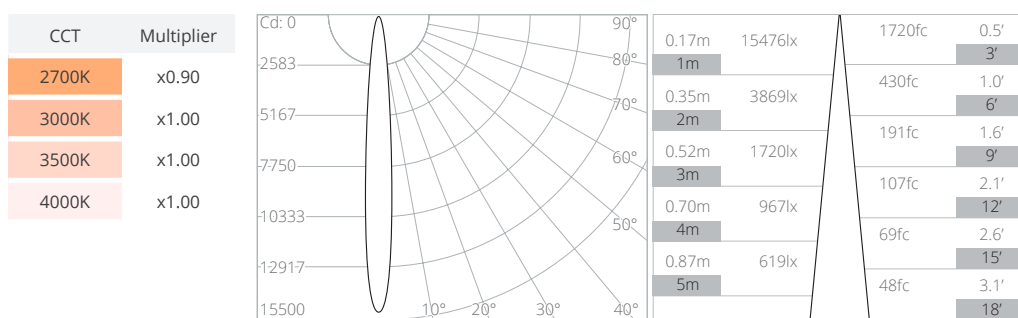
## PERFORMANCE

FWHM	10°	Category	IP20
Luminous Flux	653 lm	Material	Machined AL 6063-T6   Machined Brass
Peak Intensity	15476 cd	Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
CCT	2700K   3000K   3500K   4000K	Weight	350g   0.77lb
CRI Min.	92 TYP	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360°   Tilt 90°
Nom. Voltage	12 V	Lockable	Pan
Max. Wattage	8.40 W	Accessories	Separate   Lenses   Louver 55mm (2.16")
Dimming	0-10V   DALI	TM65   TM66	16.1kgCO2e   2.4
Driver Type	Constant Current   Remote	Lifetime	L90B10 100,000hrs   5 year warranty
Class	SELV   Class III		

## DIMENSIONS



## PHOTOMETRY



Data at 3000K

## ORDER CODE

Model	Finish	CCT	Beam Angle
1051	-	-	-
	<b>WH</b> White RAL 9010	<b>2792</b> 2700K 92CRI	<b>UN</b> Ultra Narrow 6°
	<b>BK</b> Black RAL 9005	<b>3092</b> 3000K 92CRI	<b>NA</b> Narrow 10°
	<b>AL</b> Brushed Aluminium	<b>3592</b> 3500K 92CRI	<b>ME</b> Medium 15°
	<b>RB</b> Rubbed Bronze	<b>4092</b> 4000K 92CRI	<b>FL</b> Flood 30°
	<b>PB</b> Polished Brass		<b>WF</b> Wide Flood 55°
	<b>SB</b> Brushed Brass		

Example Code: 1051-WH-3092NA

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# SOLO 16 INTENSE SURFACE

16° MEDIUM BEAM

STATIC WHITE



## OVERVIEW

Solo 16 Surface is a Constant Current 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 five site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. The medium beam in our 8.40W 700lm module has a peak intensity of 5671cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 12V Constant Current LED driver.

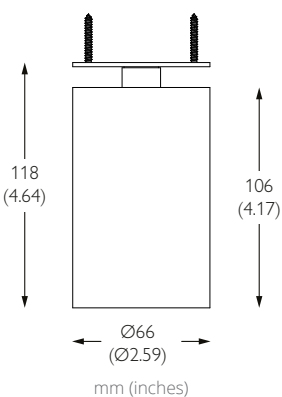
- UK PART L**
- Part L1A / L1B (Dwellings) ●
  - Part L2A (General)
  - Part L2A (Display) ●



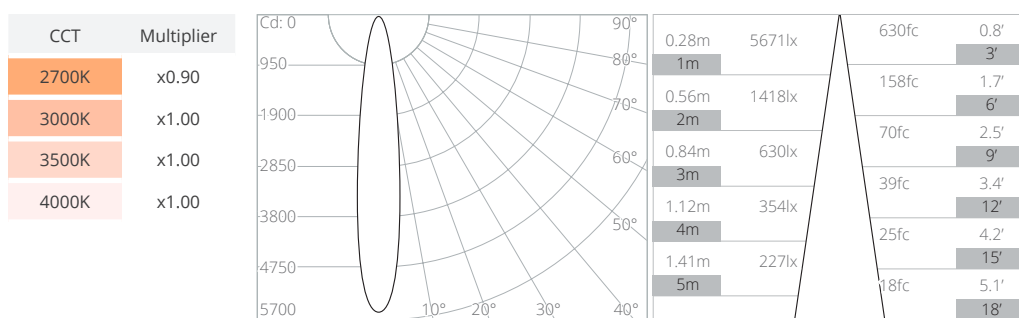
## PERFORMANCE

FWHM	16°	Category	IP20
Luminous Flux	623 lm	Material	Machined AL 6063-T6   Machined Brass
Peak Intensity	5671 cd	Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
CCT	2700K   3000K   3500K   4000K	Weight	350g   0.77lb
CRI Min.	92 TYP	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360°   Tilt 90°
Nom. Voltage	12 V	Lockable	Pan
Max. Wattage	8.40 W	Accessories	Separate   Lenses   Louver 55mm (2.16")
Dimming	0-10V   DALI	TM65   TM66	16.1kgCO2e   2.4
Driver Type	Constant Current   Remote	Lifetime	L90B10 100,000hrs   5 year warranty
Class	SELV   Class III		

## DIMENSIONS



## PHOTOMETRY



Data at 3000K

## ORDER CODE

Model	Finish	CCT	Beam Angle
1051	-	-	-
	<b>WH</b> White RAL 9010	<b>2792</b> 2700K 92CRI	<b>UN</b> Ultra Narrow 6°
	<b>BK</b> Black RAL 9005	<b>3092</b> 3000K 92CRI	<b>NA</b> Narrow 10°
	<b>AL</b> Brushed Aluminium	<b>3592</b> 3500K 92CRI	<b>ME</b> Medium 15°
	<b>RB</b> Rubbed Bronze	<b>4092</b> 4000K 92CRI	<b>FL</b> Flood 30°
	<b>PB</b> Polished Brass		<b>WF</b> Wide Flood 55°
	<b>SB</b> Brushed Brass		

Example Code: 1051-WH-3092ME

\*Premium & custom finishes are built to order, subject to an extended lead time & MOQ  
See Drivers, Power Supplies and Accessories sections for further order codes

# SOLO 16 INTENSE SURFACE

30° FLOOD BEAM

STATIC WHITE



## OVERVIEW

Solo 16 Surface is a Constant Current 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 five site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. The flood beam in our 8.40W 700lm module has a peak intensity of 1652cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 12V Constant Current LED driver.

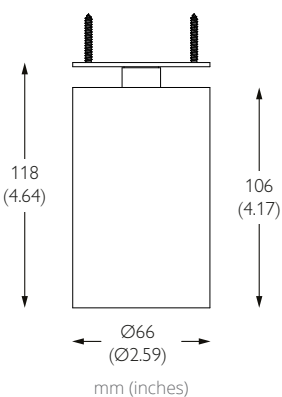
- UK PART L**
- Part L1A / L1B (Dwellings) ●
  - Part L2A (General)
  - Part L2A (Display) ●



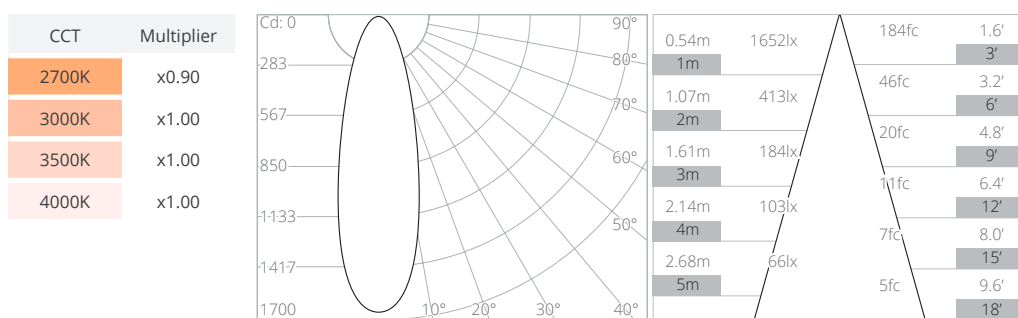
## PERFORMANCE

FWHM	30°	Category	IP20
Luminous Flux	637 lm	Material	Machined AL 6063-T6   Machined Brass
Peak Intensity	1652 cd	Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
CCT	2700K   3000K   3500K   4000K	Weight	350g   0.77lb
CRI Min.	92 TYP	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360°   Tilt 90°
Nom. Voltage	12 V	Lockable	Pan
Max. Wattage	8.40 W	Accessories	Separate   Lenses   Louver 55mm (2.16")
Dimming	0-10V   DALI	TM65   TM66	16.1kgCO2e   2.4
Driver Type	Constant Current   Remote	Lifetime	L90B10 100,000hrs   5 year warranty
Class	SELV   Class III		

## DIMENSIONS



## PHOTOMETRY



Data at 3000K

## ORDER CODE

Model	Finish	CCT	Beam Angle
1051	-	-	-
	WH White RAL 9010	2792 2700K 92CRI	UN Ultra Narrow 6°
	BK Black RAL 9005	3092 3000K 92CRI	NA Narrow 10°
	AL Brushed Aluminium	3592 3500K 92CRI	ME Medium 15°
	RB Rubbed Bronze	4092 4000K 92CRI	FL Flood 30°
	PB Polished Brass		WF Wide Flood 55°
	SB Brushed Brass		

Example Code: 1051-WH-3092FL

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

# SOLO 16 INTENSE SURFACE

50° WIDE FLOOD BEAM

STATIC WHITE



## OVERVIEW

Solo 16 Surface is a Constant Current 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 five site-changeable optics for flexible beam distribution and 360° lockable pan and 90° constant torque tilt. The wide flood beam in our 8.40W 700lm module has a peak intensity of 633cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 12V Constant Current LED driver.

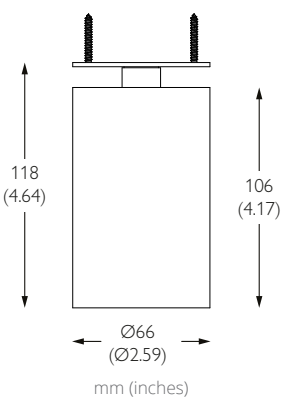
- UK PART L**
- Part L1A / L1B (Dwellings) ●
  - Part L2A (General)
  - Part L2A (Display) ●



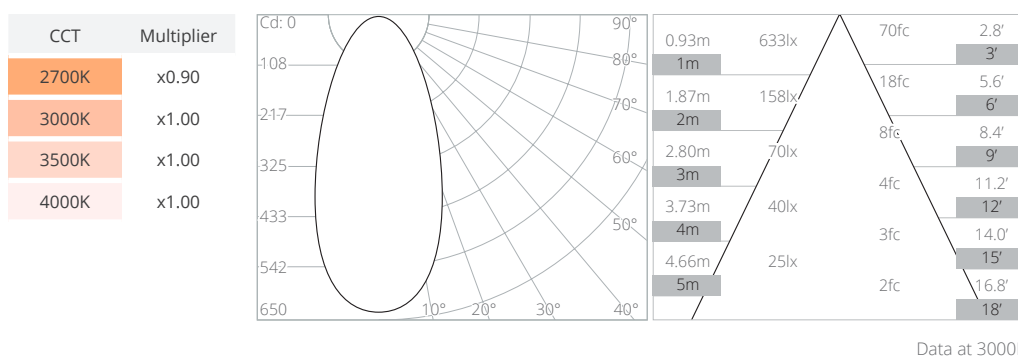
## PERFORMANCE

FWHM	50°	Category	IP20
Luminous Flux	605 lm	Material	Machined AL 6063-T6   Machined Brass
Peak Intensity	633 cd	Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
CCT	2700K   3000K   3500K   4000K	Weight	350g   0.77lb
CRI Min.	92 TYP	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360°   Tilt 90°
Nom. Voltage	12 V	Lockable	Pan
Max. Wattage	8.40 W	Accessories	Separate   Lenses   Louver 55mm (2.16")
Dimming	0-10V   DALI	TM65   TM66	16.1kgCO2e   2.4
Driver Type	Constant Current   Remote	Lifetime	L90B10 100,000hrs   5 year warranty
Class	SELV   Class III		

## DIMENSIONS



## PHOTOMETRY



## ORDER CODE

Model	Finish	CCT	Beam Angle
1051	-	-	-
	<b>WH</b> White RAL 9010	<b>2792</b> 2700K 92CRI	<b>UN</b> Ultra Narrow 6°
	<b>BK</b> Black RAL 9005	<b>3092</b> 3000K 92CRI	<b>NA</b> Narrow 10°
	<b>AL</b> Brushed Aluminium	<b>3592</b> 3500K 92CRI	<b>ME</b> Medium 15°
	<b>RB</b> Rubbed Bronze	<b>4092</b> 4000K 92CRI	<b>FL</b> Flood 30°
	<b>PB</b> Polished Brass		<b>WF</b> Wide Flood 55°
	<b>SB</b> Brushed Brass		

Example Code: 1051-WH-3092WF

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# SOLO 16 INTENSE SURFACE

DRIVER COMPATIBILITY

STATIC WHITE

## DRIVERS

### 20W | DIMMING: DALI OR 0-10V

NO. OF LIGHTS PER DRIVER 1 to 2 in series

MIN DIM LEVEL 0.1%

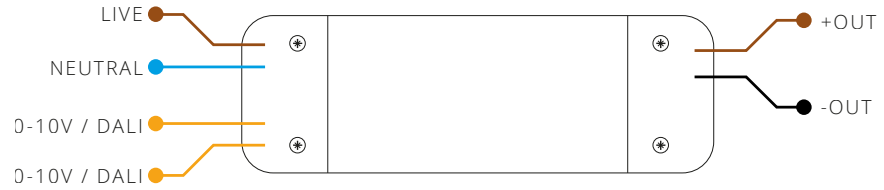
VOLTAGE REGION 230V

FOR NORTH AMERICA No

WATTAGE 20W

SUPPLY TYPE Constant Current

DRIVER LOCATION Remote



DALI CODE PSCC-20-700-D-EL

0-10V CODE PSCC-20-700-A-EL

LENGTH 160mm (6.30") WIDTH 41mm (1.63") HEIGHT 30mm (1.18")



### 30W | DIMMING: DALI OR 0-10V

NO. OF LIGHTS PER DRIVER 1 to 3 in series

MIN DIM LEVEL 0.1%

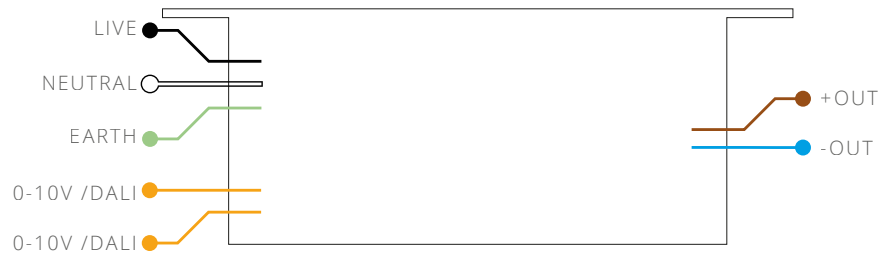
VOLTAGE REGION 120V

FOR NORTH AMERICA Yes

WATTAGE 30W

SUPPLY TYPE Constant Current

DRIVER LOCATION Remote



DALI CODE USCC-30-700-D-EL-ENC

0-10V CODE USCC-30-700-A-EL-ENC

LENGTH 348mm (13.7") WIDTH 65mm (2.6") HEIGHT 47mm (1.9")



### 12W | DIMMING: PHASE

NO. OF LIGHTS PER DRIVER 1

MIN DIM LEVEL 1%

VOLTAGE REGION 120V

FOR NORTH AMERICA Yes

WATTAGE 12W

SUPPLY TYPE Constant Current

DRIVER LOCATION Remote



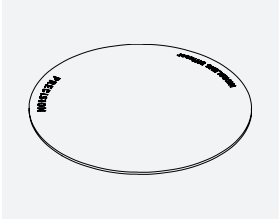
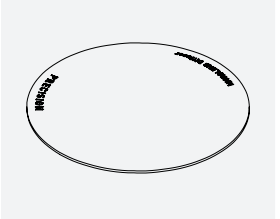
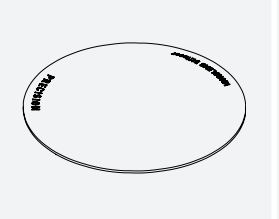
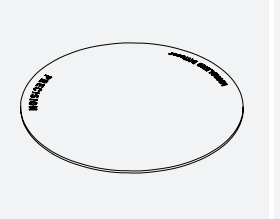
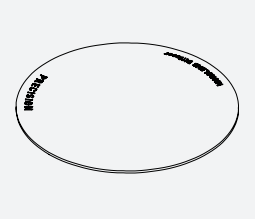
PHASE CODE USCC-12-700-P-HT-ENC

LENGTH 247mm (9.7") WIDTH 65mm (2.6") HEIGHT 47mm (1.9")











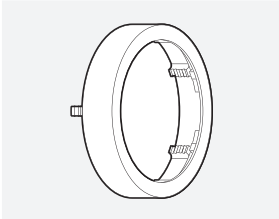
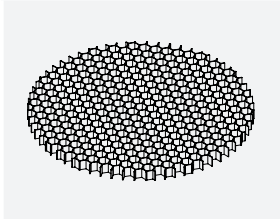
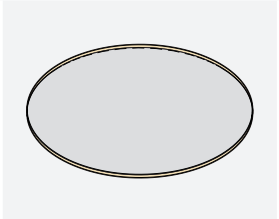
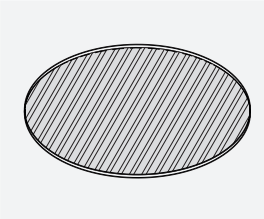
## OPTICS & ACCESSORIES

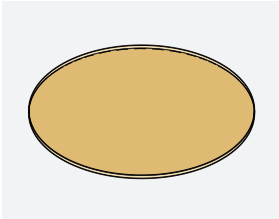
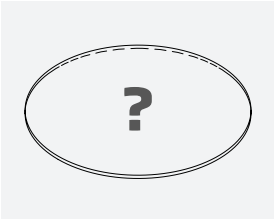
Each light ships with a microlens optic pre-installed. Microlens optics can be changed in the field by simply unscrewing the optic cap, avoid touching the exposed LED when changing optic.

Optics				
				
<b>Ultra Narrow Microlens</b> FWHM 6°	<b>Narrow Microlens</b> FWHM 10°	<b>Medium Microlens</b> FWHM 15°	<b>Flood Microlens</b> FWHM 30°	<b>Wide Flood Microlens</b> FWHM 55°
<b>Order Code</b> 931-01	<b>Order Code</b> 931-02	<b>Order Code</b> 931-03	<b>Order Code</b> 931-04	<b>Order Code</b> 931-05

Solo 16 requires a separate accessory holder, this can accommodate up to 2 accessories

<b>Linear</b> 	<b>Softening</b> 	<b>1/4 CTO</b> 	<b>Honeycomb</b> 	
				
<b>Clip</b> <i>Included with holder</i>	<b>Accessory</b>	<b>Double Accessory Holder</b> <i>Can hold 2 accessories</i>	<b>Microlens</b> <i>For on site beam changing Intense light engine only No holder required</i>	

Accessory Holder	Glare Control	Beam Shaping	
			
<b>Double Accessory Holder</b> Ø63x14mm   Ø2.48x0.551"	<b>Honeycomb Louvre</b> Ø55x3.2mm   Ø2.16x0.126"	<b>Softening Lens</b> Ø55x3.2mm   Ø2.16x0.126"	<b>Linear Lens</b> Ø55x3.2mm   Ø2.16x0.126"
<b>Order Code</b> 254-BK	<b>Order Code</b> 995-55-BK	<b>Order Code</b> 992-55	<b>Order Code</b> 992-55

Colour Modifiers	
	
<b>1/4 CTO Filter</b> Ø55x1.8mm   Ø2.16x0.071"	<b>Custom Colour Filter</b> Ø55x1.8mm   Ø2.16x0.071"
<b>Order Code</b> 997-1/4CTO-55	<b>Order Code</b> Contact Sales Rep