

SOLO 16 PLUS SURFACE

13° VERY NARROW BEAM

STATIC WHITE



OVERVIEW

Solo 16 Plus 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 very narrow beam in our 12.60W 1200lm module has a peak intensity of 16929cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 18V Constant Current LED driver.

UK PART L

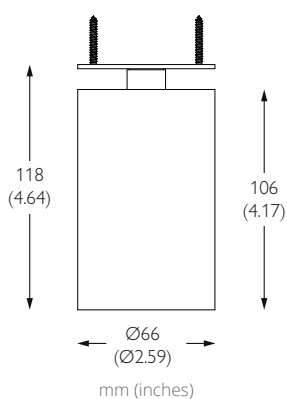
- Part L1A / L1B (Dwellings) ●
- Part L2A (General)
- Part L2A (Display) ●



PERFORMANCE

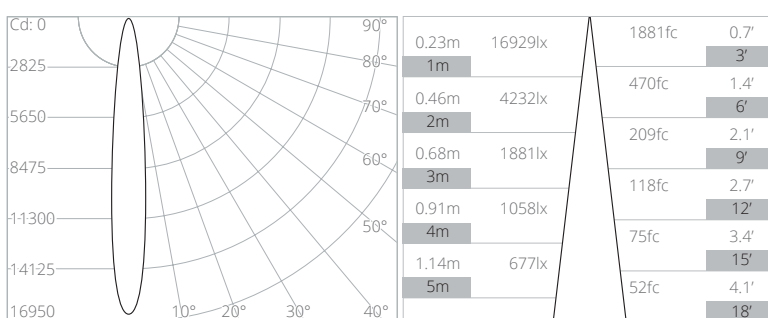
FWHM	13°	Category	IP20
Luminous Flux	1127 lm	Material	Machined AL 6063-T6 Machined Brass
Peak Intensity	16929 cd	Finishes	Brushed Aluminium White RAL9010 Black RAL9005 Rubbed Bronze* Polished Brass* Brushed Brass *
CCT	2400K 2700K 3000K 3500K 4000K	Weight	350g 0.77lb
CRI Min.	92: 2400K 98: 2700K/3000K/3500K 95: 4000K	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360° Tilt 90°
Nom. Voltage	18 V	Lockable	Pan
Max. Wattage	12.60 W	Accessories	Separate Lenses Louver 55mm (2.16")
Dimming	0-10V DALI	TM65 TM66	16.05kgCO2e 2.4
Driver Type	Constant Current Remote	Lifetime	L90B10 50,000hrs 5 year warranty
Class	SELV Class III		

DIMENSIONS



PHOTOMETRY

CCT	Multiplier
2400K	x0.97
2700K	x0.93
3000K	x1.00
3500K	x1.05
4000K	x1.05



Data at 3000K

ORDER CODE

Model	Finish	CCT	Beam Angle
1051C	-	-	-
	WH White RAL 9010	2490 2400K 90CRI	VN Very Narrow 13°
	BK Black RAL 9005	2798 2700K 98CRI	NA Narrow 15°
	AL Brushed Aluminium	3098 3000K 98CRI	ME Medium 25°
	RB Rubbed Bronze	3598 3500K 98CRI	WD Wide 40°
	PB Polished Brass	4095 4000K 95CRI	VW Very Wide 50°
	SB Brushed Brass		

Example Code: **1051C-WH-2798VN**

*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 PLUS SURFACE

precision
by luminii

15° NARROW BEAM

STATIC WHITE



OVERVIEW

Solo 16 Plus 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 12.60W 1200lm module has a peak intensity of 14173cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 18V Constant Current LED driver.

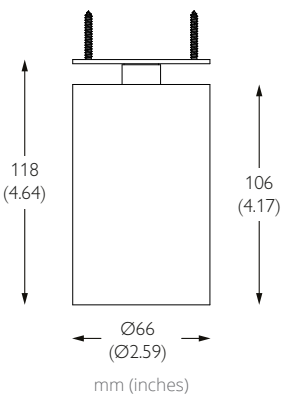
- UK PART L**
- Part L1A/ L1B (Dwellings) ●
 - Part L2A (General)
 - Part L2A (Display) ●



PERFORMANCE

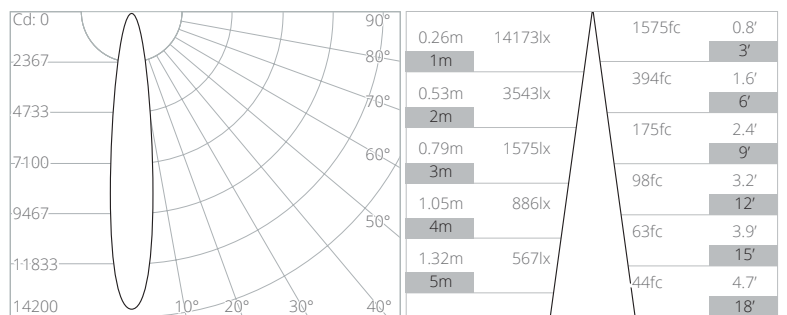
FWHM	15°	Category	IP20
Luminous Flux	1104 lm	Material	Machined AL 6063-T6 Machined Brass
Peak Intensity	14173 cd	Finishes	Brushed Aluminium White RAL9010 Black RAL9005 Rubbed Bronze* Polished Brass* Brushed Brass *
CCT	2400K 2700K 3000K 3500K 4000K	Weight	350g 0.77lb
CRI Min.	92: 2400K 98: 2700K/3000K/3500K 95: 4000K	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360° Tilt 90°
Nom. Voltage	18 V	Lockable	Pan
Max. Wattage	12.60 W	Accessories	Separate Lenses Louver 55mm (2.16")
Dimming	0-10V DALI	TM65 TM66	16.05kgCO2e 2.4
Driver Type	Constant Current Remote	Lifetime	L90B10 50,000hrs 5 year warranty
Class	SELV Class III		

DIMENSIONS



PHOTOMETRY

CCT	Multiplier
2400K	x0.97
2700K	x0.93
3000K	x1.00
3500K	x1.05
4000K	x1.05



Data at 3000K

ORDER CODE

Model	Finish	CCT	Beam Angle
1051C	-	-	-
	WH White RAL 9010	2490 2400K 90CRI	VN Very Narrow 13°
	BK Black RAL 9005	2798 2700K 98CRI	NA Narrow 15°
	AL Brushed Aluminium	3098 3000K 98CRI	ME Medium 25°
	RB Rubbed Bronze	3598 3500K 98CRI	WD Wide 40°
	PB Polished Brass	4095 4000K 95CRI	VW Very Wide 50°
	SB Brushed Brass		

Example Code: **1051C-WH-2798NA**

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SOLO 16 PLUS SURFACE

25° MEDIUM BEAM

STATIC WHITE



OVERVIEW

Solo 16 Plus 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 12.60W 1200lm module has a peak intensity of 5149cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 18V Constant Current LED driver.

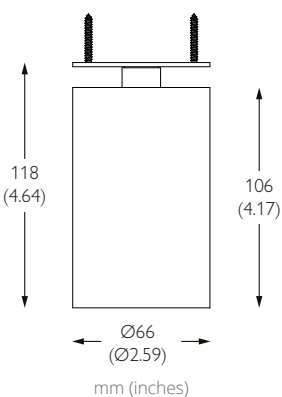
- UK PART L**
- Part L1A / L1B (Dwellings) ●
 - Part L2A (General)
 - Part L2A (Display) ●



PERFORMANCE

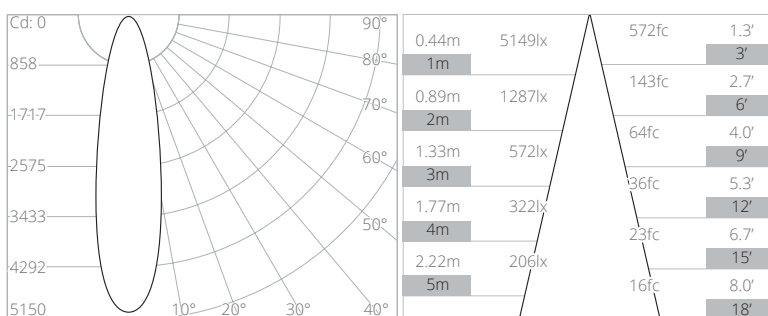
FWHM	25°	Category	IP20
Luminous Flux	1072 lm	Material	Machined AL 6063-T6 Machined Brass
Peak Intensity	5149 cd	Finishes	Brushed Aluminium White RAL9010 Black RAL9005 Rubbed Bronze* Polished Brass* Brushed Brass *
CCT	2400K 2700K 3000K 3500K 4000K	Weight	350g 0.77lb
CRI Min.	92: 2400K 98: 2700K/3000K/3500K 95: 4000K	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360° Tilt 90°
Nom. Voltage	18 V	Lockable	Pan
Max. Wattage	12.60 W	Accessories	Separate Lenses Louver 55mm (2.16")
Dimming	0-10V DALI	TM65 TM66	16.05kgCO2e 2.4
Driver Type	Constant Current Remote	Lifetime	L90B10 50,000hrs 5 year warranty
Class	SELV Class III		

DIMENSIONS



PHOTOMETRY

CCT	Multiplier
2400K	x0.97
2700K	x0.93
3000K	x1.00
3500K	x1.05
4000K	x1.05



Data at 3000K

ORDER CODE

Model	Finish	CCT	Beam Angle
1051C	-	-	-
	WH White RAL 9010	2490 2400K 90CRI	VN Very Narrow 13°
	BK Black RAL 9005	2798 2700K 98CRI	NA Narrow 15°
	AL Brushed Aluminium	3098 3000K 98CRI	ME Medium 25°
	RB Rubbed Bronze	3598 3500K 98CRI	WD Wide 40°
	PB Polished Brass	4095 4000K 95CRI	VW Very Wide 50°
	SB Brushed Brass		

Example Code: **1051C-WH-2798ME**

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

SOLO 16 PLUS SURFACE

40° WIDE BEAM

STATIC WHITE



OVERVIEW

Solo 16 Plus 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 beam in our 12.60W 1200lm module has a peak intensity of 2358cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 18V Constant Current LED driver.

UK PART L

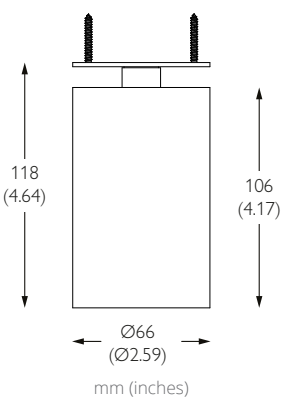
- Part L1A / L1B (Dwellings) ●
- Part L2A (General)
- Part L2A (Display) ●



PERFORMANCE

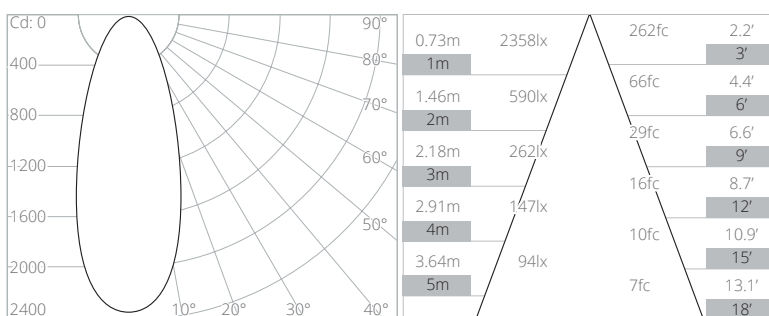
FWHM	40°	Category	IP20
Luminous Flux	987 lm	Material	Machined AL 6063-T6 Machined Brass
Peak Intensity	2358 cd	Finishes	Brushed Aluminium White RAL9010 Black RAL9005 Rubbed Bronze* Polished Brass* Brushed Brass *
CCT	2400K 2700K 3000K 3500K 4000K	Weight	350g 0.77lb
CRI Min.	92: 2400K 98: 2700K/3000K/3500K 95: 4000K	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360° Tilt 90°
Nom. Voltage	18 V	Lockable	Pan
Max. Wattage	12.60 W	Accessories	Separate Lenses Louver 55mm (2.16")
Dimming	0-10V DALI	TM65 TM66	16.05kgCO2e 2.4
Driver Type	Constant Current Remote	Lifetime	L90B10 50,000hrs 5 year warranty
Class	SELV Class III		

DIMENSIONS



PHOTOMETRY

CCT	Multiplier
2400K	x0.97
2700K	x0.93
3000K	x1.00
3500K	x1.05
4000K	x1.05



Data at 3000K

ORDER CODE

Model	Finish	CCT	Beam Angle
1051C	-	-	-
	WH White RAL 9010	2490 2400K 90CRI	VN Very Narrow 13°
	BK Black RAL 9005	2798 2700K 98CRI	NA Narrow 15°
	AL Brushed Aluminium	3098 3000K 98CRI	ME Medium 25°
	RB Rubbed Bronze	3598 3500K 98CRI	WD Wide 40°
	PB Polished Brass	4095 4000K 95CRI	VW Very Wide 50°
	SB Brushed Brass		

Example Code: **1051C-WH-2798WD**

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

SOLO 16 PLUS SURFACE

50° VERY WIDE BEAM

STATIC WHITE



OVERVIEW

Solo 16 Plus 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 very wide beam in our 12.60W 1200lm module has a peak intensity of 1545cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. This product requires an external 700mA 18V Constant Current LED driver.

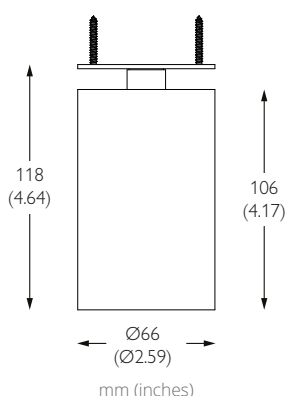
- UK PART L**
- Part L1A / L1B (Dwellings) ●
 - Part L2A (General)
 - Part L2A (Display) ●



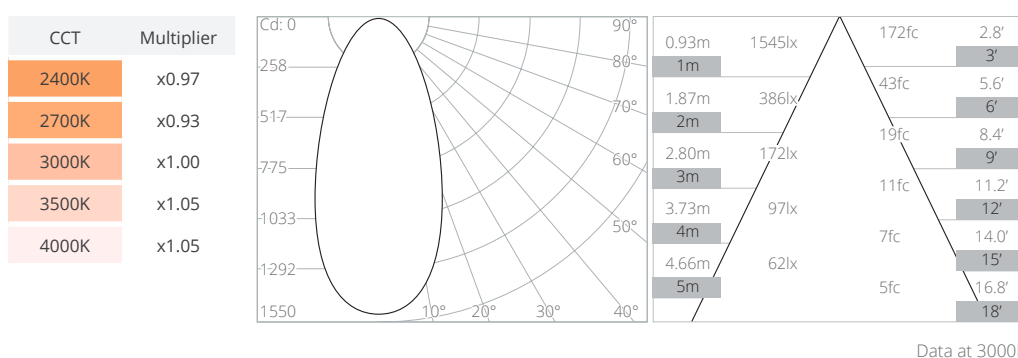
PERFORMANCE

FWHM	50°	Category	IP20
Luminous Flux	979 lm	Material	Machined AL 6063-T6 Machined Brass
Peak Intensity	1545 cd	Finishes	Brushed Aluminium White RAL9010 Black RAL9005 Rubbed Bronze* Polished Brass* Brushed Brass *
CCT	2400K 2700K 3000K 3500K 4000K	Weight	350g 0.77lb
CRI Min.	92: 2400K 98: 2700K/3000K/3500K 95: 4000K	Mounting	Surface mounting plate
Drive Current	700 mA	Movement	Pan 360° Tilt 90°
Nom. Voltage	18 V	Lockable	Pan
Max. Wattage	12.60 W	Accessories	Separate Lenses Louver 55mm (2.16")
Dimming	0-10V DALI	TM65 TM66	16.05kgCO2e 2.4
Driver Type	Constant Current Remote	Lifetime	L90B10 50,000hrs 5 year warranty
Class	SELV Class III		

DIMENSIONS



PHOTOMETRY



ORDER CODE

Model	Finish	CCT	Beam Angle
1051C	-	-	-
	WH White RAL 9010	2490 2400K 90CRI	VN Very Narrow 13°
	BK Black RAL 9005	2798 2700K 98CRI	NA Narrow 15°
	AL Brushed Aluminium	3098 3000K 98CRI	ME Medium 25°
	RB Rubbed Bronze	3598 3500K 98CRI	WD Wide 40°
	PB Polished Brass	4095 4000K 95CRI	VW Very Wide 50°
	SB Brushed Brass		

Example Code: **1051C-WH-2798VW**

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SOLO 16 PLUS SURFACE

DRIVER COMPATIBILITY

STATIC WHITE

DRIVERS

20W | DIMMING: DALI OR 0-10V

NO. OF LIGHTS PER DRIVER 1

MIN DIM LEVEL 0.1%

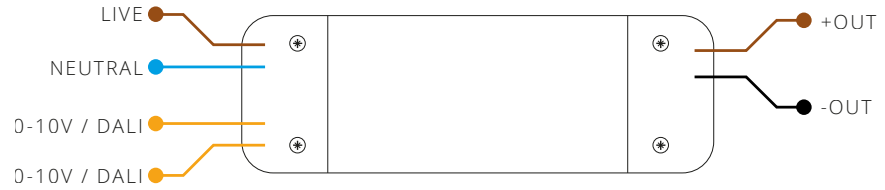
VOLTAGE REGION 230V

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 2 in series

MIN DIM LEVEL 0.1%

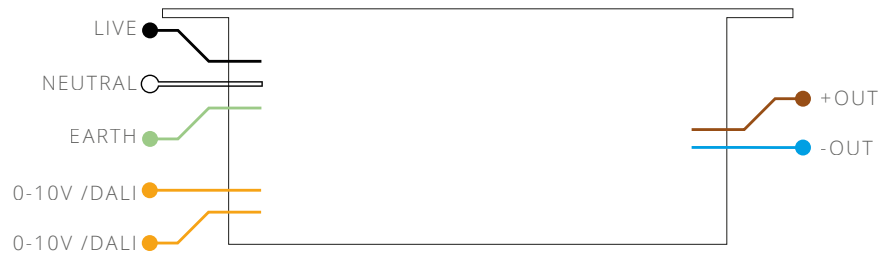
VOLTAGE REGION 120V

FOR NORTH AMERICA Yes

WATTAGE 30W

SUPPLY TYPE Constant Current

DRIVER LOCATION Remote



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




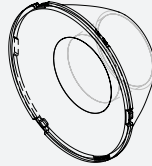

0-10V CODE USCC-30-700-A-EL-ENC

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

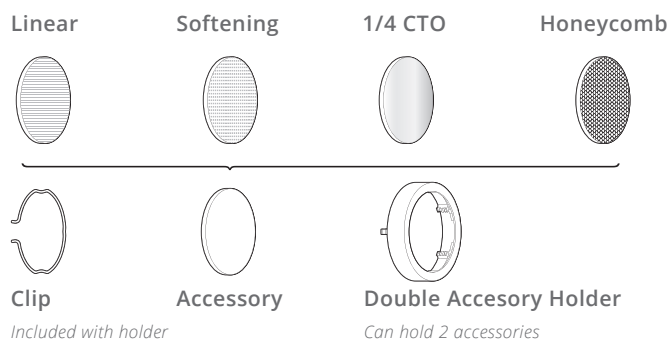


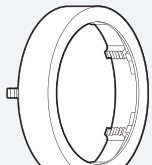
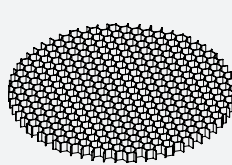
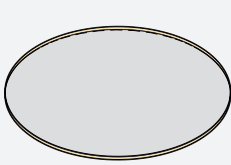
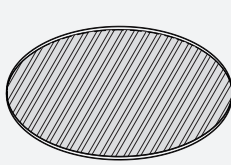
OPTICS & ACCESSORIES

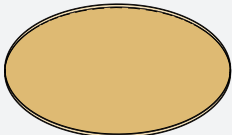

Optics can be changed in the field by simply unscrewing the optic cap, avoid touching the exposed LED when changing optic. Optics can be identified by molded ID no.

Optics				
				
Very Narrow TIR Optic Molded ID 6686 FWHM 13° Order Code C16686-ILONA-RS	Narrow TIR Optic Molded ID 6731 FWHM 15° Order Code C16731-ILONA-SS	Medium TIR Optic Molded ID 6687 FWHM 25° Order Code C16687-ILONA-M	Wide TIR Optic Molded ID 6688 FWHM 40° Order Code C16688-ILONA-W	Very Wide TIR Optic Molded ID 7434 FWHM 50° Order Code C17434-ILONA-WW

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



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

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