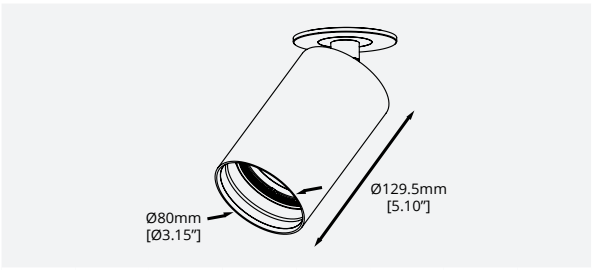
SOLO 20

ACCENT SPOTLIGHT | SURFACE MOUNT

precision by luminii

WARM DIM





Declare. TITLE 24 IP20

OVERVIEW

Solo 20 Warm Dim brings the ambiance and warmth of traditional Halogen dimming into the modern age, with the added control and efficiency of advanced LED technology. As the fixture is dimmed, its colour temperature shifts smoothly from neutral 3,000K to a candlelight-like 1,800K, creating a cozy, inviting atmosphere. Powered by on-board intelligence within the fixture, Solo 20 Warm Dim is the perfect choice for residential, hospitality, or any space where mood-setting and warmth are key priorities.

KEY FEATURES

- Colour temperature becomes warmer with dimming
- No additional controls required for Warm Dim function
- Concealed hinge with 360° lockable pan, and 90° Tilt
- High output single source light engine
- Customisable with a range of optical accessories and holders
- Decorative surface mount plate with concealed screws

PERFORMANCE SUMMARY

	WARM DIM			
	Narrow	*Medium*	*Wide*	*V. Wide*
FWHM	**21°**	**27°**	**38°**	**57°**
Luminous Flux*	1,933 lm	1,765lm	1,790 lm	1,890 lm
Peak Intensity	11,335 Cd	6,820 Cd	4,289 Cd	2,294 Cd
CCT Range	1800 - 3000K			
CRI Min.	CRI 90			
Drive Current	700 mA			
Nom. Voltage	36 V			
Max. Wattage	23.4 W			
Max. Efficacy	82.8 lm/W			
Driver Type	Constant Current | Remote			
Class	SELV | Class III			

* Luminous Flux @ 3000K as delivered

ORDERING CODES

Luminaire:

Base Code		Type		Output		CCT		Beam Angle		Finish
SOL20	-		-		-		-		-	
		SP *Surface Plate*		**WDSO** *Warm Dim*		**18K27K** *1800K - 2700K*		**NR** *Narrow*		**WH** *White*
						18K30K *1800K - 3000K*		**ME** *Medium*		**BK** *Black*
								WD *Wide*		**AL** *Brushed Aluminium*
								VW *Very Wide*		**RBZ** *Rubbed Bronze*
										BR *Brushed Brass*
										PB *Polished Brass*

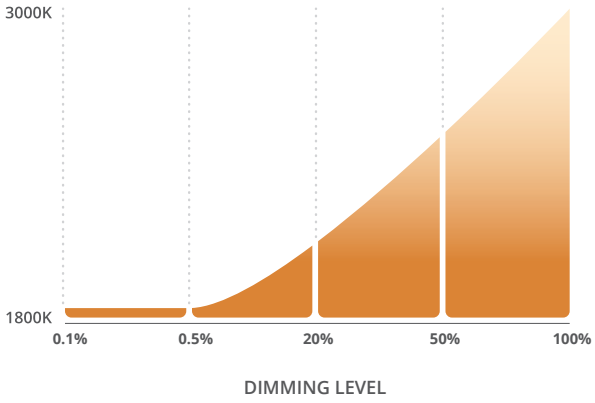
Driver:

Region Code		Type		Fixture Code		Driver*
	-		-		-	
USCC *120 & 277 V | N. Amreica*		**RM** *Remote*		**1120W01** *Solo 20 Warm Dim*		**01M** *Mains Dim | 40W*
						01A *0-10V | 30W*
						01D *DALI DT6 | 30W*
						01C *Casambi | 30W*

* See Driver Selection page for more details

WARM DIM TECHNOLOGY

Precisions Warm Dim technology utilises fixture-integrated electronics that warms the colour temperature of the light as it dims; combining the beauty of Halgoen with the efficacy of LEDs.



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.

	WARM DIM
California Title 24 (JA8)	●
Declare.	●

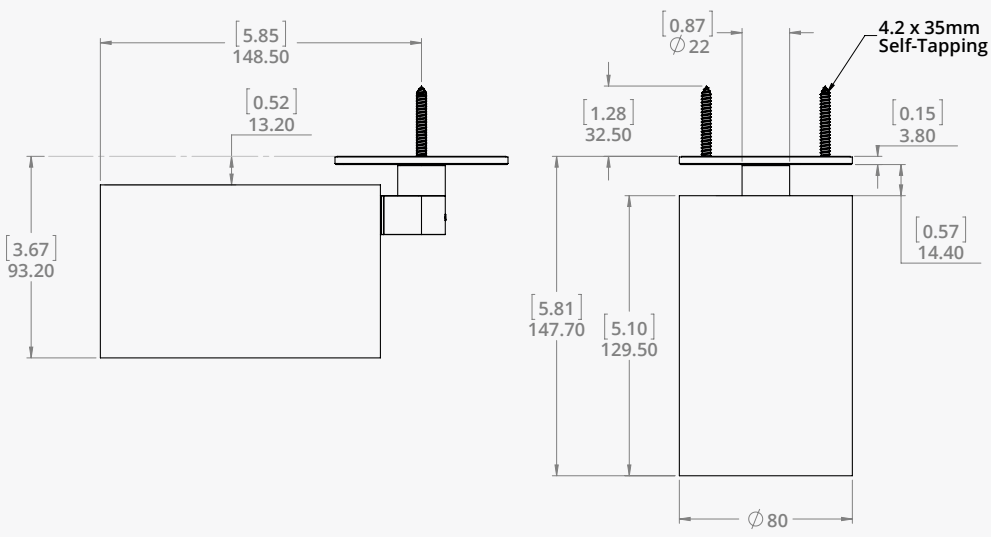
SOLO 20

ACCENT SPOTLIGHT | SURFACE MOUNT

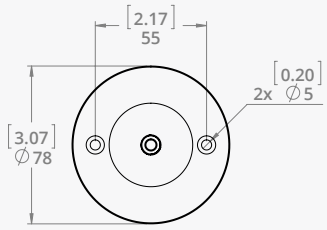
precision by luminii

WARM DIM

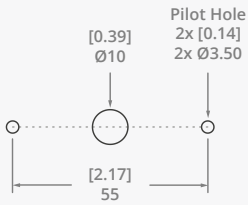
DIMENSIONS



MOUNTING PLATE



DRILLING GUIDE



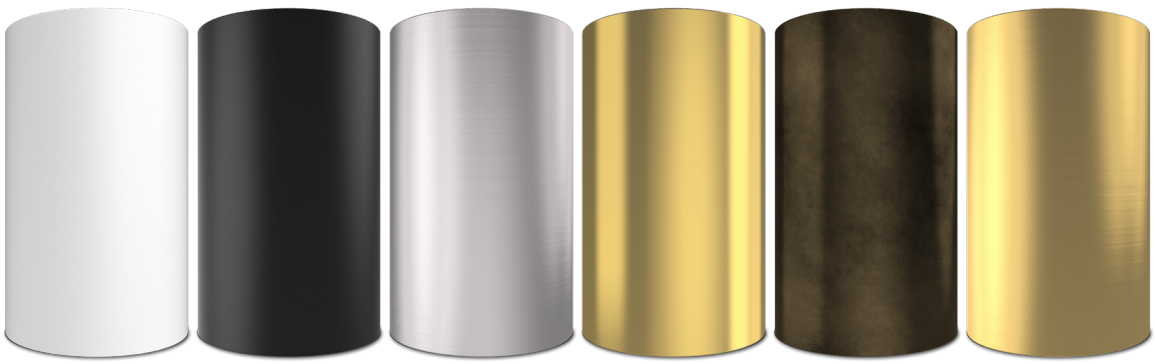
MECHANICAL

Location	IP20 | Indoor Dry Location Only
Mounting	Surface plate with decorative cover
Adjustability	360° Lockable Pan | 90° Tilt
Material	Aluminium 6063 or Brass H59
Weight	0.80 Kg [1.76 lbs] or 1.38 Kg [3.04 lbs]

CABLE

Gauge	22 AWG | 0.32 mm^2
Std. Length	600 mm (23.60 in) as flying lead
Material	FEP (Outer), FEP (Inner)
Cable ID	Red (+), Black (-)

FINISHES

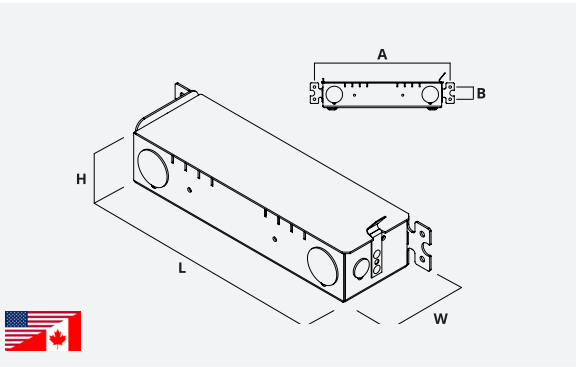


TRAFFIC WHITE RAL 9016 | BLACK RAL 9005 | BRUSHED ALUMINUM | POLISHED BRASS | RUBBED BRONZE | BRUSHED BRASS

DRIVER SELECTION | 120V REGIONS

Remote | 40W | Mains Dimming

Input Voltage	120 - 277 VAC | 50/60 Hz
Driver Type	Constant Current | Remote
Location	IP20 | Indoor Dry Location Only
Dimming Control	Mains | TRIAC & ELV
Min. Dim Level	5%
Flicker	No Observable Effect
Hotplug Protection	No

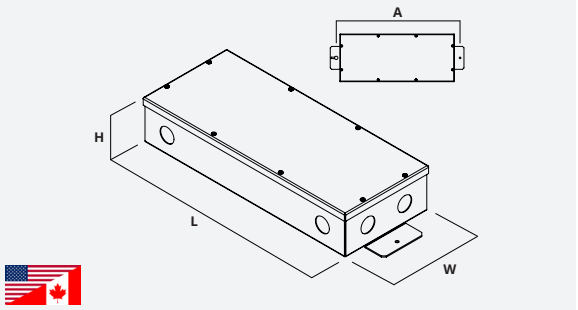


	WARM DIM
Compatability	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01M

	L	W	H	A
mm	305	63.1	47.7	334
in	12	2.5	1.88	13.15

Remote | 30W | 0-10V

Input Voltage	120 - 277 VAC | 50/60 Hz
Driver Type	Constant Current | Remote
Location	IP20 | Indoor Dry Location Only
Dimming Control	0-10V
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Hotplug Protection	Yes

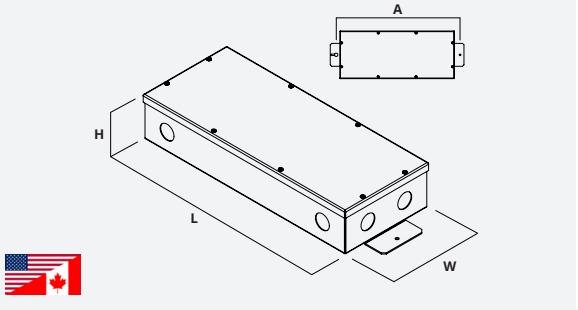


	WARM DIM
Compatability	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01A

	L	W	H	A
mm	317.5	130.2	61	346
in	12.5	5.125	2.4	13.62

Remote | 30W | DALI 2

Input Voltage	120 - 277 VAC | 50/60 Hz
Driver Type	Constant Current | Remote
Location	IP20 | Indoor Dry Location Only
Dimming Control	DALI
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Hotplug Protection	Yes



	WARM DIM
Compatability	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01D

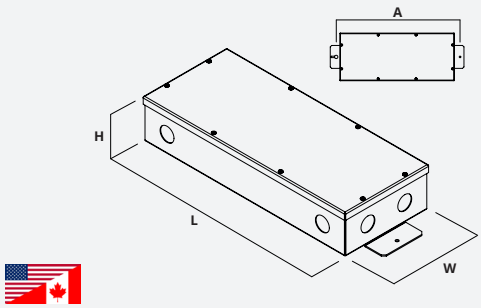
	L	W	H	A
mm	317.5	130.2	61	346
in	12.5	5.125	2.4	13.62

DRIVER SELECTION | 120V REGIONS

Remote Enclosure | 30W | Casambi

Input Voltage	120 - 277 VAC | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Dry Location Only
Dimming Control	Casambi Bluetooth Mesh | App Required
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Hotplug Protection	Yes

	WARM DIM
Compatability	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01C



	L	W	H	A
mm	317.5	130.2	61	346
in	12.5	5.125	2.4	13.62

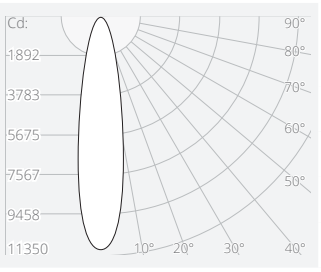
WARM DIM

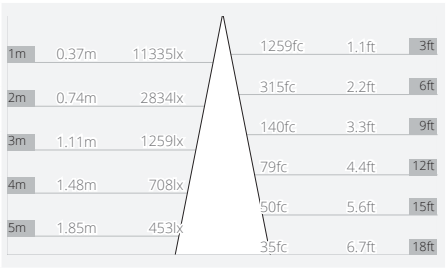
PHOTOMETRY DIAGRAMS

Narrow | 21° Beam

FWHM	21°
Delivered Flux	1,933 lm
Peak Intensity	11,335 Cd
UGR	UGR 10



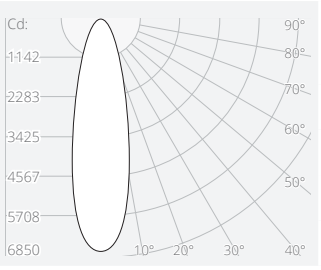


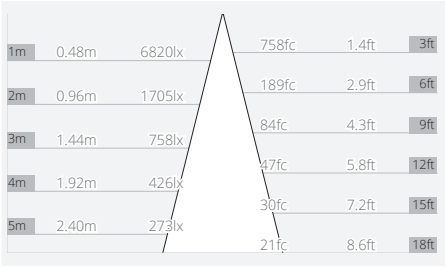


Medium | 27° Beam

FWHM	27°
Delivered Flux	1,765 lm
Peak Intensity	6,820 Cd
UGR	UGR 12.9



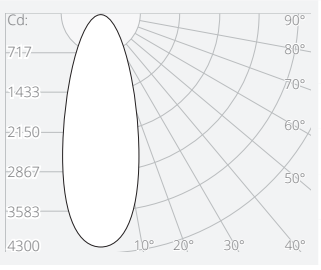


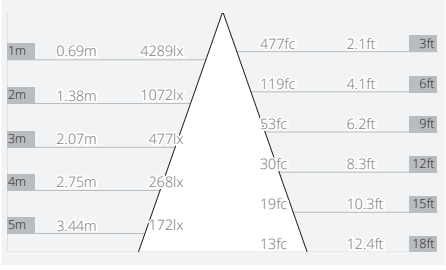


Wide | 38° Beam

FWHM	38°
Delivered Flux	1,790 lm
Peak Intensity	4,289 Cd
UGR	UGR 12.6

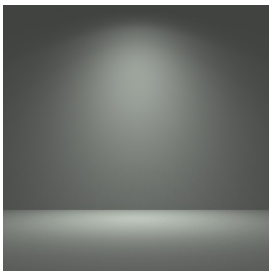


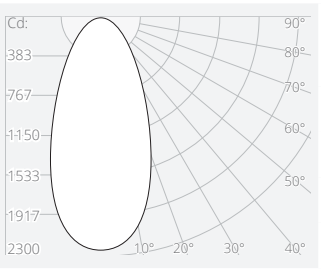


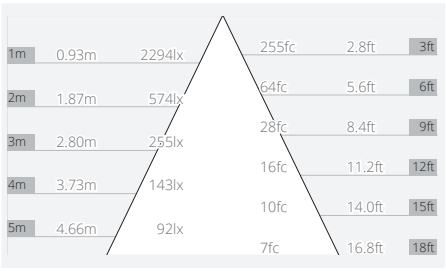


Very Wide | 50° Beam

FWHM	50°
Delivered Flux	1,890 lm
Peak Intensity	2,284 Cd
UGR	UGR 20







All diagrams and data as measured @ 3000K

PERFORMANCE SCALING BY CCT

CCT	Output Multiplier	Colour Consistency
1800K	x0.02	5 SDCM
2000K	x0.10	
2400K	x0.45	
2700K	x0.73	
3000K	x1.00	3 SDCM

Digital photometric files available as .LDT format.
Contact your sales rep or visit **www.luminii.com** for more information.

PRODUCT ANATOMY



**Optical accessories ordered separately*

1 High Output COB Light Engine with Warm Dim technology

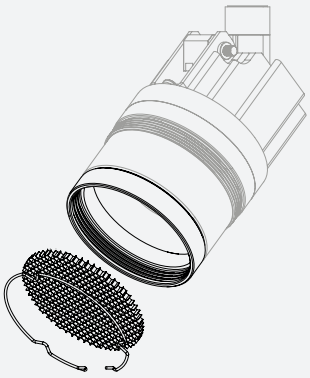
2 Interchangeable Colour Mixing TIR Optic

3 Integral Double Accessory Holder

4 Range of Optical Accessories

5 Accessory Retention Clip

INTEGRATED ACCESSORY HOLDERS



Double Accessory Holder

Built-in to Solo 20 Warm Dim

Accessory Dia. Ø68mm | Ø2.68"

Capacity 5.0mm | 0.2" Max Thickness

GLARE GUARD ACCESSORY HOLDER

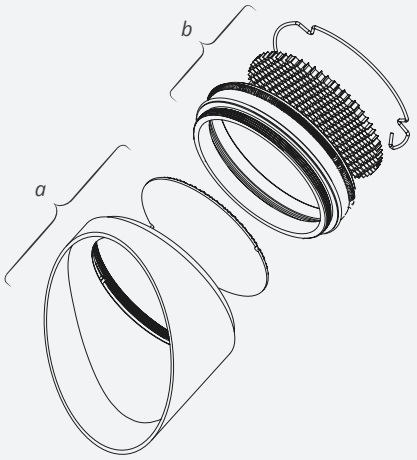


The Glare Guard Accessory Holder is an angled, snap-in snoot extension capable of holding a range of optical accessories, including honeycombs, gels, and beam shaping optics such as Wallwash and Linear Spread Lenses. The holder comprises of two halves, a front compartment and a rear compartment. The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

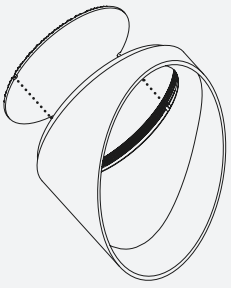
	a. Front Compartment	b. Rear Compartment
Accessory Diameter	Ø66 mm | 2.60"	Ø68 mm | 2.67"
Capacity	1.2mm | 0.05" Max. Thickness	3.2mm | 0.125" Max. Thickness
Orientation Indexing	Yes - Alignment Notches	No
Weight	Aluminium: 114g | Brass: 287g	

Ordering Codes*

Black	1120-GLR-01-BK	**Polished Brass**	1120-GLR-02-PB
Traffic White	1120-GLR-01-TW	**Brushed Brass**	1120-GLR-02-SB
Brushed Aluminium	1120-GLR-01-AL	**Rubbed Bronze**	1120-GLR-02-RB

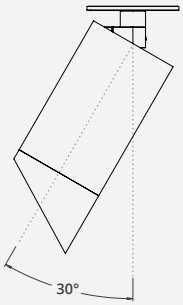


Optical accessories ordered separately



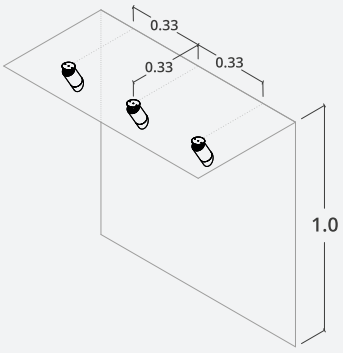
Orientation Indexing

For optical accessories that require a specific orientation, use their alignment notches to position them correctly within the Glare Guard Accessory Holder. 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. 30° 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.

SNOOT ACCESSORY HOLDER



The Snoot Accessory Holder (sold separately) enhances the Solo 20'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	Ø68 mm | 2.67"
Capacity	3.2mm | 0.125" Max. Thickness
Orientation Index	No
Weight	Aluminum 31g | Brass 91g

Ordering Codes*

Black	1120-HOL-01-BK	**Polished Brass**	1120-HOL-02-PB
Traffic White	1120-HOL-01-TW	**Brushed Brass**	1120-HOL-02-SB
Brushed Aluminium	1120-HOL-01-AL	**Rubbed Bronze**	1120-HOL-02-RB



**Optical accessories ordered separately*

OPTICAL ACCESSORIES

SPARE OPTICS



Narrow TIR Optic

For Solo 20 Warm Dim

HKRG-68-15-PC



Medium TIR Optic

For Solo 20 Warm Dim

HKRG-68-24-PC



Wide TIR Optic

For Solo 20 Warm Dim

HKRG-68-36-PC

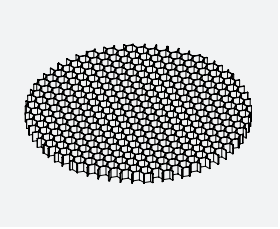


Very Wide TIR Optic

For Solo 20 Warm Dim

HKRG-68-50-PC

GLARE CONTROL



Ø68 Honeycomb Louvre

Ø68 x 3.2mm | Ø2.67 x 0.125″

Fits all accessory holders

995-68-BK

BEAM MODIFIERS

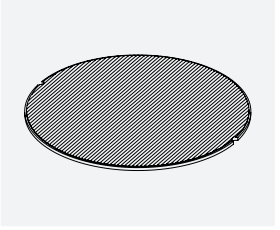


Ø68 Linear Spread Lens

Ø68 x 3.0mm | Ø2.67 x 0.12″

Fits all accessory holders

HKFD-68-LIN

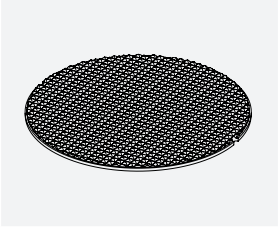


Ø66 Linear Spread Lens

Ø66 x 1.2mm | Ø2.60 x 0.05″

For Glare Guard Accessory only

HKFD-68-LIN-1



Ø66 Wallwash Lens

Ø66 x 1.2mm | Ø2.60 x 0.05″

For Glare Guard Accessory only

HKFD-68-WAS-1