# ACCENT SPOTLIGHT | SURFACE MOUNT











# **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

01C Casambi | 50W

# **PERFORMANCE SUMMARY**

	WARM <b>DIM</b> ≣						
	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				

# ORDERING CODES

\* Luminous Flux @ 3000K as delivered

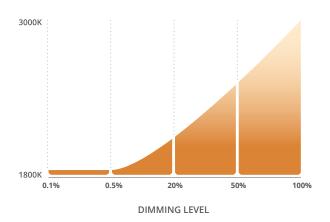
Luminaire:	Base Code	Engine		Finis	sh			CC	T & CR	I		Beam Ang	е
	1121		-			-							
		W Warm Dim	A	AL Brushed A	Alumin	nium	W01	1800 - 3	000K	CRI 90 N	1in. NA	Narrow	
			E	<b>3K</b> Black							ME	Medium	
			Т	W Traffic Wh	hite						WD	Wide	
			F	RB Rubbed B	Bronze						VW	Very Wide	
			F	PB Polished I	Brass								
			9	B Brushed E	Brass								
Driver:	Reg	ion Code		Туре		Fix	ture Code	9			Driver*		
			-		-				-				
	PSCC 2	40V AC	RM A	Remote		<b>1120W</b> Sc	olo 20 War	m Dim		01M	Mains Dim	30W	
										01A	0-10V   50	W	
										01D	DALI DT6	50W	

\* See Driver Selection Sheet 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 <b>DIM</b>
UK PART L	
Part L1A / L1B (Dwellings)	•
Part L2A (General)	0
Part L2A (Display)	•
CIBSE TM65	28.023 Kg/CO2e
CIBSE TM66	2.4

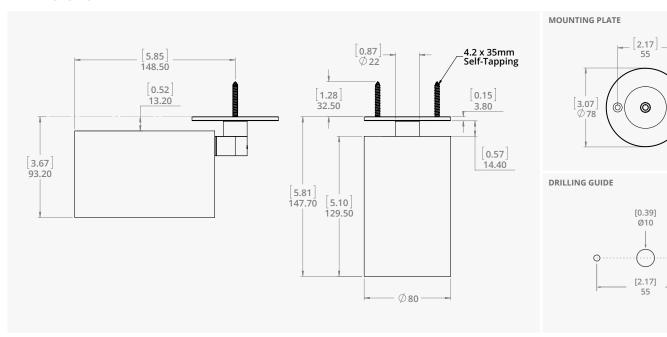


[0.20] 2x Ø5

Pilot Hole 2x [0.14] 2x Ø3.50



#### **DIMENSIONS**



# **MECHANICAL**

LocationIP20 | Indoor Dry Location OnlyMountingSurface plate with decorative cover

Adjustability 360° Lockable Pan | 90° Tilt

Material Aluminium 6063 or Brass H59

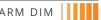
**Weight** 0.80 Kg [1.76 lbs] or 1.38 Kg [3.04 lbs]

## **FINISHES**









# **DRIVER SELECTION | 230V REGIONS**

# Remote | 30W | Mains Dimming

**Input Voltage** 230 VAC | 50/60 Hz

 Driver Type
 Constant Current | Remote

 Location
 IP20 | Indoor Dry Location Only

 Dimming Control
 Mains | Leading Edge & Trailing Edge

Min. Dim Level 1%

Flicker No Observable Effect

Hotplug Protection No

# H A B

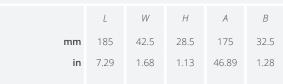
WARM **DIM** 

Compatability

Max. Fixtures

1

Order Code PSCC-RM-1120W-01M



# Remote | 50W | 0-10V

**Input Voltage** 230 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

Н	A B
	W

	L	W	Н	Α	В
mm	153	76.2	30.5	118	66.2
in	6.0	3.0	1.2	4.65	2.6

# WARM **DIM**

Compatability

Max. Fixtures

Order Code PSCC-RM-1120W-02A

# Remote | 50W | DALI 2

**Input Voltage** 230 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

H (1)				W	
	L	W	Н	Α	В
mm	153	76.2	30.5	118	66.2
in	6.0	3.0	1.2	4.65	2.6

	WARM <b>DIM</b>	
Compatability	•	
Max. Fixtures	1	
Order Code	PSCC-RM-1120W-02D	

# ACCENT SPOTLIGHT | SURFACE MOUNT





# **DRIVER SELECTION | 230V REGIONS**

# Remote | 50W | Casambi

**Input Voltage** 230 VAC | 50/60 Hz

Driver Type Constant Current | Remote

Location IP20 | Indoor Dry Location Only

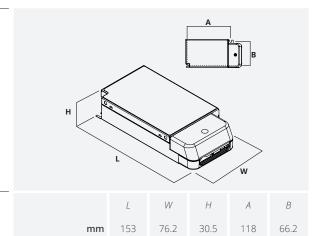
**Dimming Control** Casambi Bluetooth Mesh | App Required [↗]

Min. Dim Level 0.1%

Flicker IEEE P1789 Compatible | No Observable Effect

Hotplug Protection Yes

Hotping Protection	res
	WARM <b>DIM</b> E
Compatability	•
Max. Fixtures	1
Order Code	PSCC-1120W-RM-02D



3.0

1.2

4.65

2.6

in

6.0

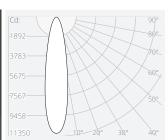






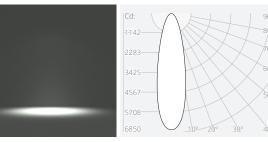
# **PHOTOMETRY DIAGRAMS**

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





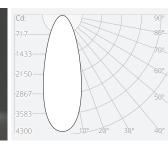
Medium   27° Beam					
FWHM	27°				
Delivered Flux	1,765 lm				
Peak Intensity	6,820 Cd				
UGR	UGR 12.9				





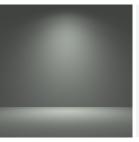


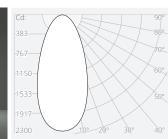


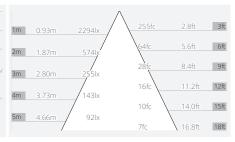




# Very Wide | 50° Beam FWHM 50° Delivered Flux 1,890 lm Peak Intensity 2,284 Cd UGR UGR 20







All diagrams and data as measured @ 3000K

#### PERFORMANCE SCALING BY CCT

ССТ	Output Multiplier	Colour Consistency
1800K	x0.02	5 SDCM
2000K	x0.10	
2400K	x0.45	0 0 0 0 0
2700K	x0.73	0 0 0 0 0
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**



- High Output COB Light Engine with Warm Dim technology 1
- Interchangeable Colour Mixing TIR Optic
- 3 Integral Double Accessory Holder
- Range of Optical Accessories
- Accessory Retention Clip 5

# **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**

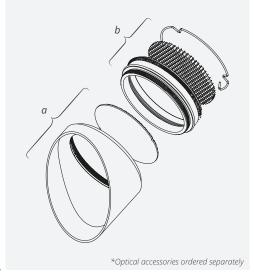


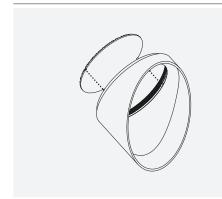
The Glare Guard Accessory Holder is an angled, snap-in snoot extension capable of holding a range of optical accessories, including honeycombs, gels, and beam shaping optics such as Wallwash and Linear Spread Lenses. The holder comprises of two halves, a front compartment and a rear compartment. The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

	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: 114	4g   Brass: 287g
Ordering Codes*		

# ering Code

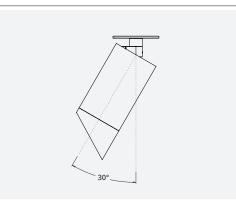






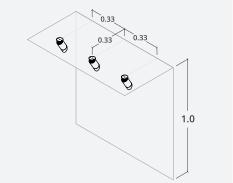
### **Orientation Indexing**

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



### 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\***

8			
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**

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

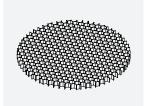


Wide TIR Optic
For Solo 20 Warm Dim
HKRG-68-36-PC



Very Wide TIR Optic For Solo 20 Warm Dim HKRG-68-50-PC

GLARE CONTROL



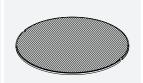
**Ø68 Honeycomb Louvre**   $\emptyset$ 68 x 3.2mm |  $\emptyset$ 2.67 x 0.125" Fits all accessory holders

995-68-BK

BEAM MODIFIERS



 $\emptyset$ 68 Linear Spread Lens  $\emptyset$ 68  $\times$  3.0mm |  $\emptyset$ 2.67  $\times$  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