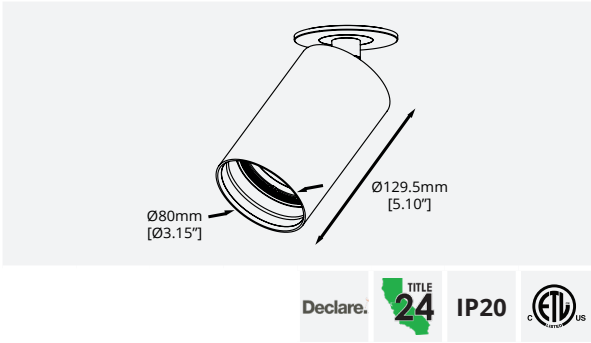


SOLO 20

ACCENT SPOTLIGHT | SURFACE MOUNT

WARM DIM



Declare.

TITLE 24

IP20

ETL US

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

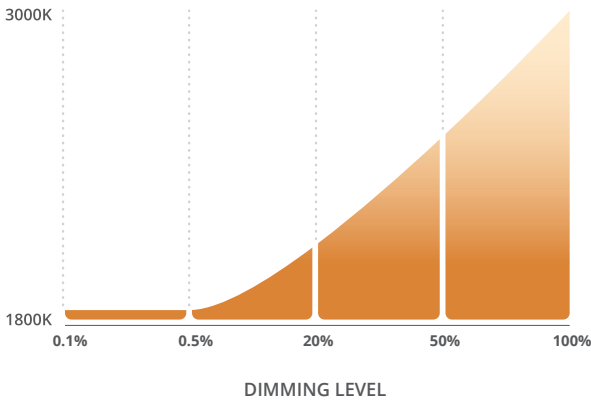
Luminaire:	Base Code	Engine	Finish	CCT & CRI	Beam Angle
	1121	-	-	-	-
		W Warm Dim	AL Brushed Aluminium	W01 1800 - 3000K CRI 90 Min.	NA Narrow
			BK Black		ME Medium
			TW Traffic White		WD Wide
			RB Rubbed Bronze		VW Very Wide
			PB Polished Brass		
			SB Brushed Brass		

Driver:	Region Code	Type	Fixture Code	Driver*
	USCC	-	-	-
	120 & 277 V N. America	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 Sheet for more details

WARM DIM TECHNOLOGY

Precision's Warm Dim technology utilises fixture-integrated electronics that warms the colour temperature of the light as it dims; combining the beauty of Halogen 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

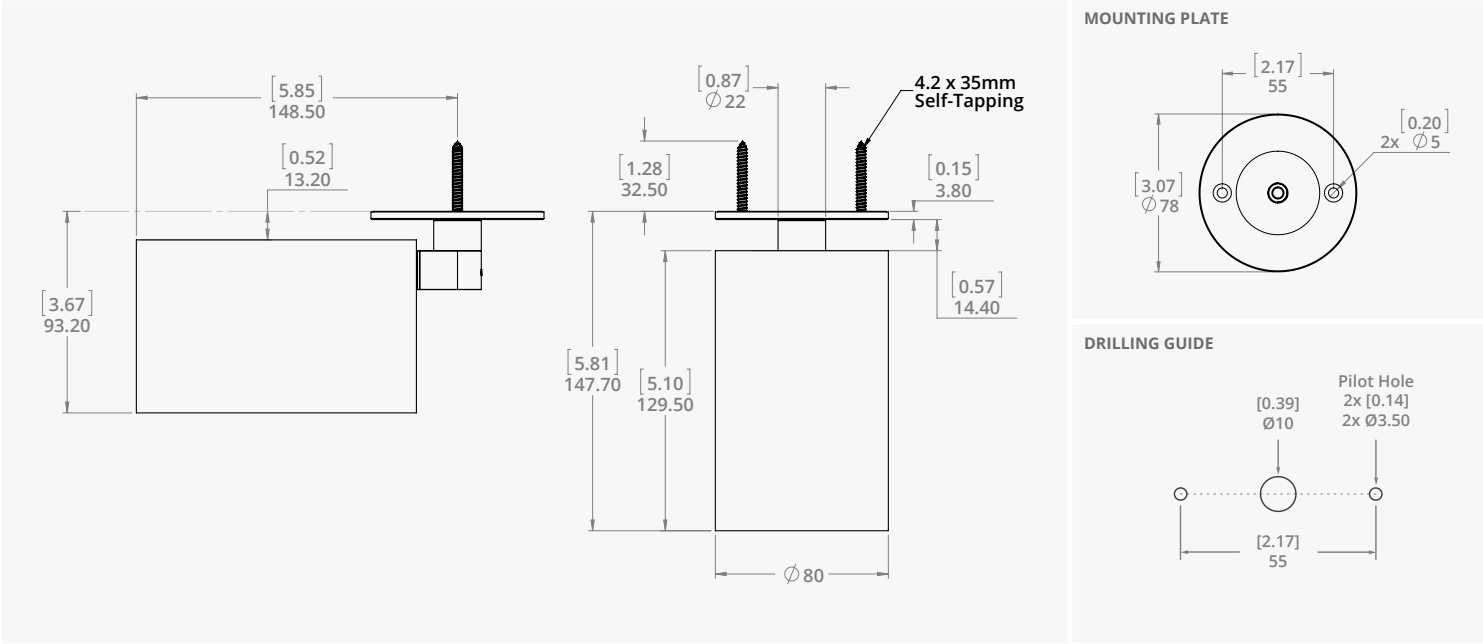
California Title 24 (JA8)



Declare.



DIMENSIONS



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]

FINISHES



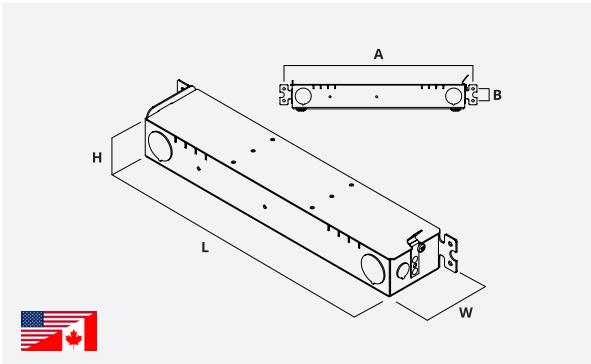
DRIVER SELECTION | 120V REGIONS

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 Leading Edge & Trailing Edge
Min. Dim Level	5%
Flicker	No Observable Effect
Hotplug Protection	No

WARM DIM

Compatibility	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01M



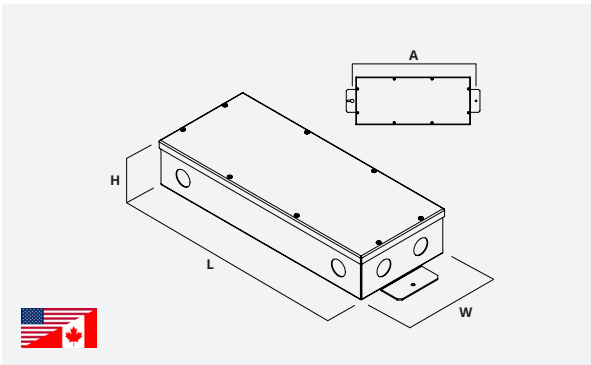
	L	W	H	A
mm	305	63.1	47.7	334
in	12	2.5	1.88	13.15

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

Compatibility	●
Max. Fixtures	1
Order Code	USCC-RM-1120W01-01A



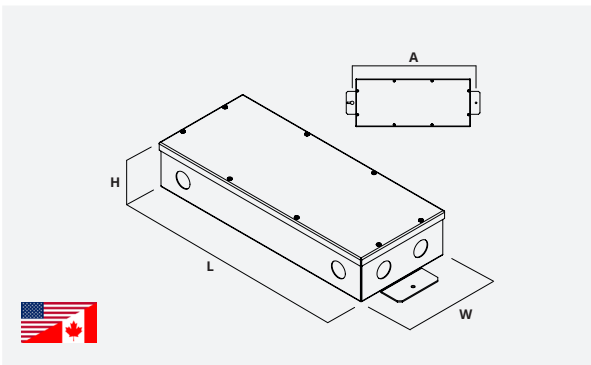
	L	W	H	A
mm	317.5	130.2	61	346
in	12.5	5.125	2.4	13.62

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

Compatibility	●
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

SOLO 20

ACCENT SPOTLIGHT | SURFACE MOUNT

WARM DIM

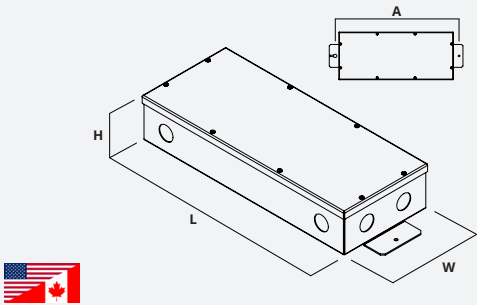
DRIVER SELECTION | 120V REGIONS

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 [2]
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

PHOTOMETRY DIAGRAMS

Narrow | 21° Beam

FWHM21°

Delivered Flux1,933 lm

Peak Intensity11,335 Cd

UGRUGR 10

Cd:	1892	3783	5675	7567	9458	11350
1m	0.37m	0.74m	1.11m	1.48m	1.85m	
2m						
3m						
4m						
5m						

1m	0.37m	11335lx	1259fc	1.1ft	3ft
2m	0.74m	2834lx	315fc	2.2ft	6ft
3m	1.11m	1259lx	140fc	3.3ft	9ft
4m	1.48m	708lx	79fc	4.4ft	12ft
5m	1.85m	453lx	50fc	5.6ft	15ft
			35fc	6.7ft	18ft

Medium | 27° Beam

FWHM27°

Delivered Flux1,765 lm

Peak Intensity6,820 Cd

UGRUGR 12.9

Cd:	1142	2283	3425	4567	5708	6850
1m	0.48m	0.96m	1.44m	1.92m	2.40m	
2m						
3m						
4m						
5m						

1m	0.48m	6820lx	758fc	1.4ft	3ft
2m	0.96m	1705lx	189fc	2.9ft	6ft
3m	1.44m	758lx	84fc	4.3ft	9ft
4m	1.92m	426lx	47fc	5.8ft	12ft
5m	2.40m	273lx	30fc	7.2ft	15ft
			21fc	8.6ft	18ft

Wide | 38° Beam

FWHM38°

Delivered Flux1,790 lm

Peak Intensity4,289 Cd

UGRUGR 12.6

Cd:	717	1433	2150	2867	3583	4300
1m	0.69m	1.38m	2.07m	2.75m	3.44m	
2m						
3m						
4m						
5m						

1m	0.69m	4289lx	477fc	2.1ft	3ft
2m	1.38m	1072lx	119fc	4.1ft	6ft
3m	2.07m	477lx	53fc	6.2ft	9ft
4m	2.75m	268lx	30fc	8.3ft	12ft
5m	3.44m	172lx	19fc	10.3ft	15ft
			13fc	12.4ft	18ft

Very Wide | 50° Beam

FWHM50°

Delivered Flux1,890 lm

Peak Intensity2,284 Cd

UGRUGR 20

Cd:	383	767	1150	1533	1917	2300
1m	0.93m	1.87m	2.80m	3.73m	4.66m	
2m						
3m						
4m						
5m						

1m	0.93m	2294lx	255fc	2.8ft	3ft
2m	1.87m	574lx	64fc	5.6ft	6ft
3m	2.80m	255lx	28fc	8.4ft	9ft
4m	3.73m	143lx	16fc	11.2ft	12ft
5m	4.66m	92lx	10fc	14.0ft	15ft
			7fc	16.8ft	18ft

All diagrams and data as measured @ 3000K

PERFORMANCE SCALING BY CCT

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

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

NORTH AMERICAN MARKET ONLY
DC250209

RCLPLLSALES@LUMINII.COM
LUMINII.COM | PRECISIONLIGHTING.CO.UK

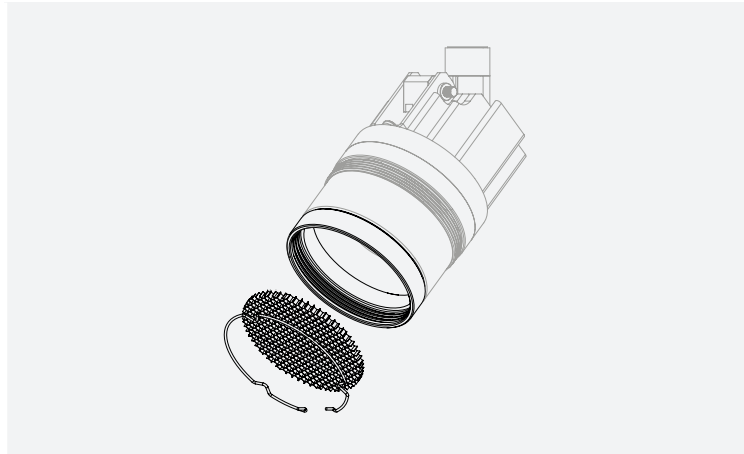
6

PRODUCT ANATOMY



- 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



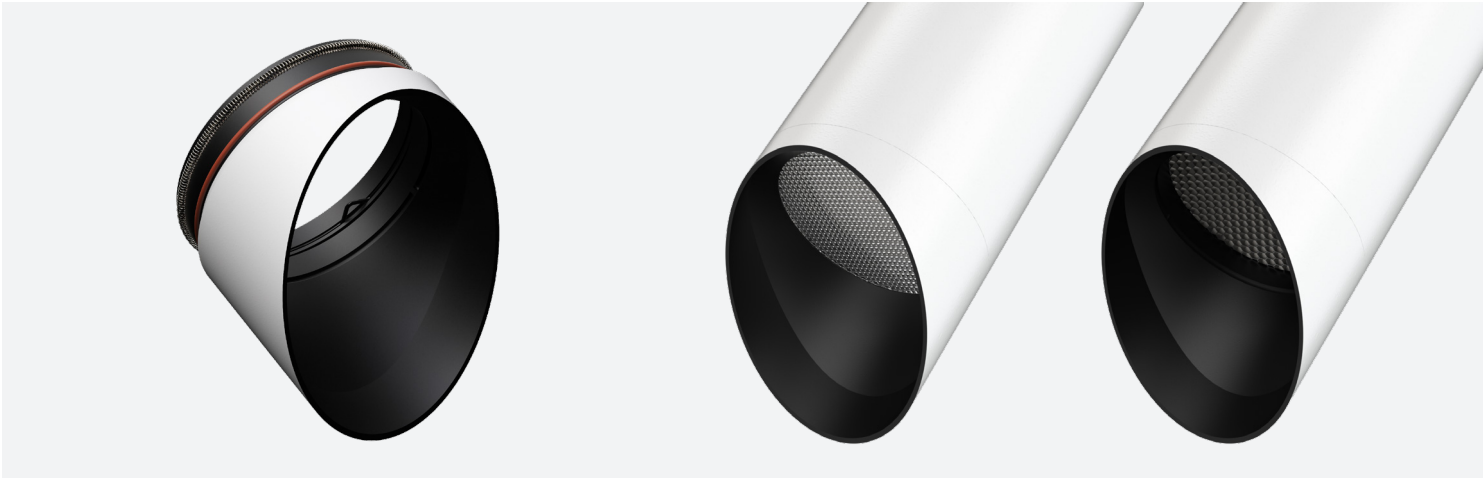
Double Accessory Holder

Built-in to Solo 20 Warm Dim

Accessory Dia. Ø68mm | Ø2.68"

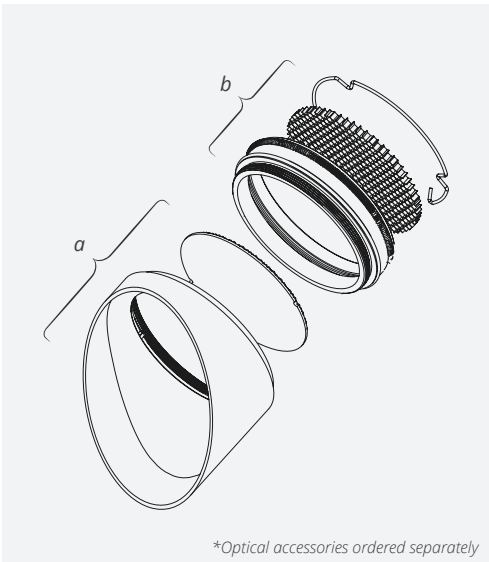
Capacity 5.0mm | 0.2" Max Thickness

GLARE GUARD ACCESSORY HOLDER



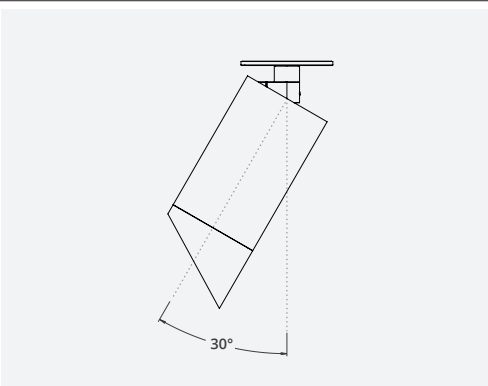
The Glare Guard Accessory Holder is an angled, snap-in snoot extension capable of holding a range of optical accessories, including honeycombs, gels, and beam shaping optics such as Wallwash and Linear Spread Lenses. The holder comprises of two halves, a front compartment and a rear compartment. The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



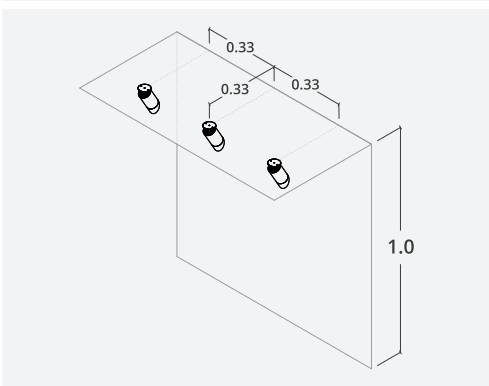
Orientation Indexing

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.

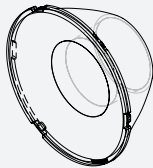
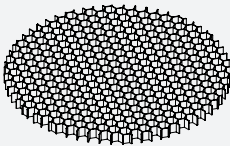
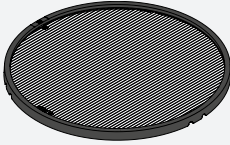
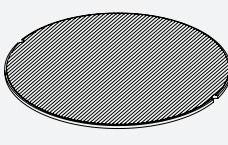
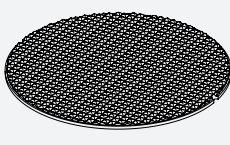
Accessory Diameter	Ø68 mm 2.67"
Capacity	3.2mm 0.125" Max. Thickness
Orientation Index	No
Weight	Aluminum 31g Brass 91g

Ordering Codes*

	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 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	