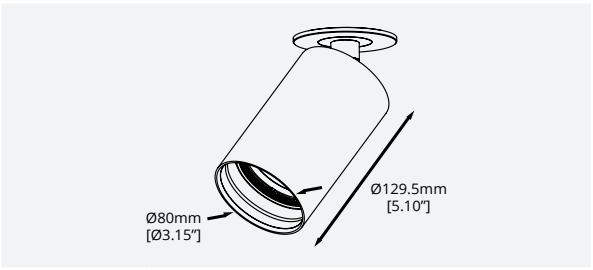
# SOLO 20

precision by luminii

ACCENT SPOTLIGHT | SURFACE MOUNT

STATIC WHITE






Declare. TITLE 24 IP20

## OVERVIEW

Solo 20 is our most powerful spotlight to date, with static white configurations offering delivered outputs exceeding 3,000 lumens of high-quality light. Each light engine is meticulously engineered for specific needs: the 'Intense' engine delivers precise, ultra-narrow beams with exceptional peak intensity; the 'Plus' engine achieves outstanding colour rendition with a typical CRI of 98 and R9 values above 90, 'HE' (High Efficiency) engine maximizes both output and energy efficiency, making it ideal for meeting stringent energy efficiency regulations.

## KEY FEATURES

- Specification grade spotlight with minimal design aesthetic
- Concealed hinge allows full 360° locking pan, and 90° Tilt
- 3 Static White light engines to choose between
- Options for ultra high Illuminance, colour quality, and efficacy
- Customisable with a range of optical accessories and holders
- Decorative surface mount plate with concealed screws

## PERFORMANCE SUMMARY

| | ▸ intense ◂ | | | | plus+ | | | | HE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *U. Narrow* | *Narrow* | *Wide* | *V.Wide* | *Narrow* | *Medium* | *Wide* | *V. Wide* | *Narrow* | *Medium* | *Wide* | *V. Wide* |
| FWHM | **6°** | **16°** | **31°** | **48°** | **14°** | **22°** | **35°** | **49°** | **21°** | **28°** | **41°** | **51°** |
| Luminous Flux* | 1,089 lm | 855 lm | 865 lm | 722 lm | 1,991 lm | 1,845 lm | 2,036 lm | 1,948 lm | 3,108 lm | 3,052 lm | 3,133 lm | 3,076 lm |
| Peak Intensity | 71,961 Cd | 9,161 Cd | 2,533 Cd | 1,056 Cd | 25,452 Cd | 14,047 Cd | 6,230 Cd | 3,074 Cd | 20,114 Cd | 14,023 Cd | 7,224 Cd | 4,366 Cd |
| CCT | 2700K \| 3000K \| 4000K | | | | 2400K \| 2700K \| 3000K \| 3500K \| 4000K | | | | 2700K \| 3000K | | | |
| CRI Min. | CRI 95 \| CRI 95 \| CRI 95 | | | | CRI 90 \| CRI 98 \| CRI 98 \| CRI 98 \| CRI 95 | | | | CRI 90 \| CRI 90 | | | |
| Drive Current | 1400 mA | | | | 700 mA | | | | 800 mA | | | |
| Nom. Voltage | 12 V | | | | 36V | | | | 36V | | | |
| Max. Wattage | 17.5 W | | | | 24.8 W | | | | 26.9 W | | | |
| Max. Efficacy | 62.5 lm/W | | | | 82.2 lm/W | | | | 116.8 lm/W | | | |
| Driver Type | Constant Current \| Remote | | | | Constant Current \| Remote | | | | Constant Current \| Remote | | | |
| Class | SELV \| Class III | | | | SELV \| Class III | | | | SELV \| Class III | | | |

* Luminous Flux @ 3000K as delivered

## ORDERING CODES

**Luminaire:**

| Base Code | | Type | | Output | | CCT | | Beam Angle | | Finish |
|---|---|---|---|---|---|---|---|---|---|---|
| SOL20 | - | | - | | - | | - | | - | |
| | | **SP** *Surface Plate* | | **IO** *Intense Output* | | **24K** *2400K ** | | **UN** *Ultra Narrow †* | | **WH** *White* |
| | | | | **PL** *Plus* | | **27K** *2700K* | | **NR** *Narrow* | | **BK** *Black* |
| | | | | **HE** *High Efficiency* | | **30K** *3000K* | | **ME** *Medium *** | | **AL** *Brushed Aluminium* |
| | | | | | | **35K** *3500K ** | | **WD** *Wide* | | **RBZ** *Rubbed Bronze* |
| | | | | | | **40K** *4000K ††* | | **VW** *Very Wide* | | **BR** *Brushed Brass* |
| | | | | | | | | | | **PB** *Polished Brass* |

† Intense Output Only
†† Intense & Plus Only
* Plus Only
** Plus & High Efficiency Only

**Driver:**

| Region Code | | Type | | Fixture Code | | Driver* |
|---|---|---|---|---|---|---|
| | - | | - | | - | |
| **USCC** *120 & 277V \| N.America* | | **RM** *Remote* | | **1120S** *Solo 20 Intense* | | **01M** *Mains Dim \| 20W, 50W* |
| | | | | **1120C** *Solo 20 Plus* | | **01A** *0-10V \| 30W* |
| | | | | **1120X** *Solo 20 HE* | | **01D** *DALI 2 \| 30W* |
| | | | | | | **01C** *Casambi \| 30W* |

* See Driver Selection page for more details

## LIGHT ENGINE SELECTION

Select from Precision's three carefully engineered Static White light engines to best suit your application or project needs:

### ▸ intense ◂

Precision's signature Intense light engines offer tight, surgical beams combined with the highest Peak Intensity values available.

+ Ultra-Tight Beams
+ High Peak Cd

### plus+

Precision's Plus light engines offer the best balance between delivered lumens, beam quality and outstanding colour rendition.

+ Increased Lumen Output
+ CRI 98 Typical

### HE

Precision's High Efficiency light engines deliver the highest possible lumen values as well as outstanding energy efficiency.

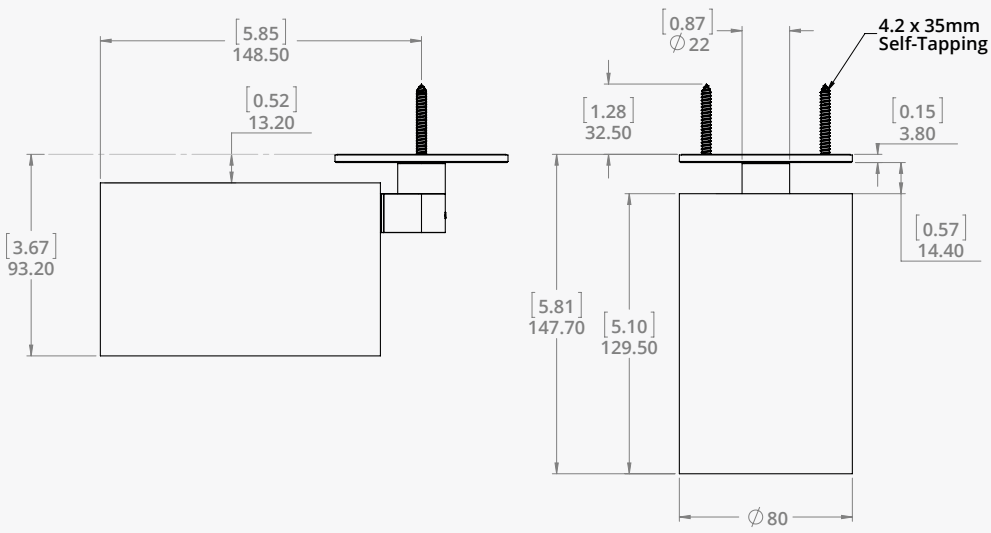
+ Maximum Lumen Output
+ Maximum Energy Efficiency

## LIFETIME + ENVIRONMENTAL

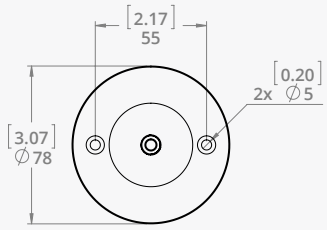
At Precision, we design and engineer our products with longevity in mind. Many of the components that make up our light fixtures are both modular and re-usable, making it possible to service and repair them throughout their life in service. Once our products reach the end of their useful life, it is 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.

| | ▸ intense ◂ | plus+ | HE |
|---|---|---|---|
| California Title 24 (JA8) | ○ | ● | ● |
| Declare. | ● | ● | ● |

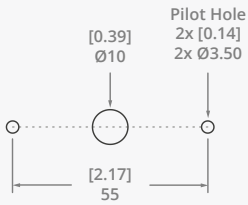
## DIMENSIONS




MOUNTING PLATE




DRILLING GUIDE



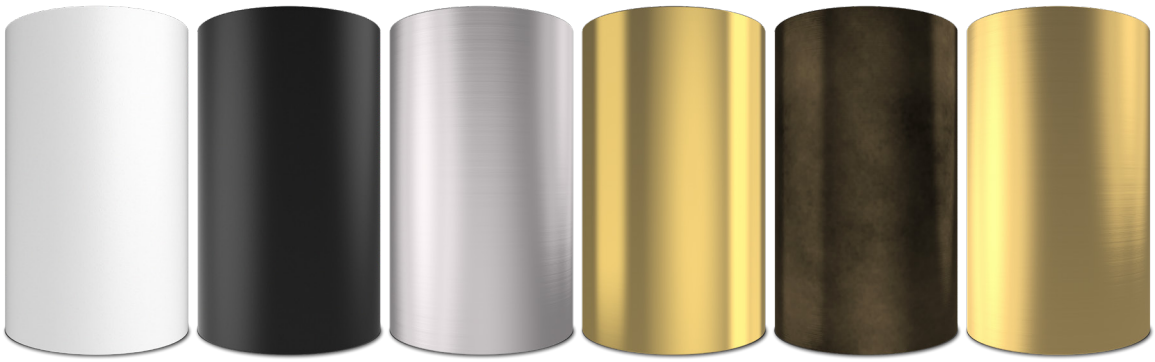

## MECHANICAL

| | |
|---|---|
| **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

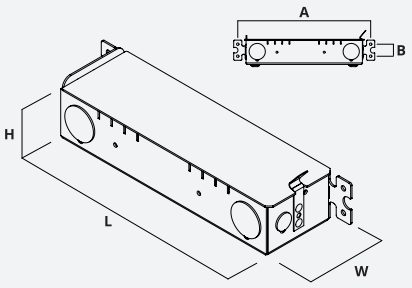


TRAFFIC WHITE RAL 9016 | BLACK RAL 9005 | BRUSHED ALUMINUM | POLISHED BRASS | RUBBED BRONZE | BRUSHED BRASS

## DRIVER SELECTION | 120V REGIONS

### Remote Enclosure | 50W | Mains Dimming

| | |
|---|---|
| **Input Voltage** | 120 - 277 VAC \| 50/60 Hz |
| **Driver Type** | Constant Current \| Remote |
| **Location** | IP20 \| Indoor Dry Location Only |
| **Dimming Control** | Mains Dim \| TRIAC & ELV (Compatible with 120V dimmers only) |
| | Non-Dim Only @ 220 - 277V |
| **Min. Dim Level** | 5% |
| **Flicker** | No Observable Effect |
| **Hotplug Protection** | No |
| **Wiring Distances** | |
| 16 AWG \| 1.30mm² | Max. 14.5 m (48 ft) |
| 18 AWG \| 0.75mm² | Max. 9 m (30 ft) |

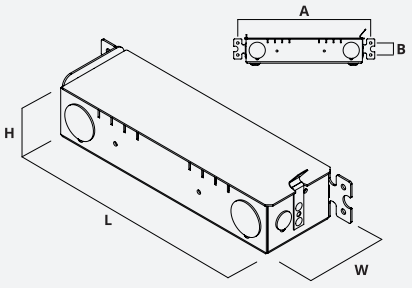



| | ▸ intense ◂ | plus⁺ | HE |
|---|---|---|---|
| **Compatability** | ○ | ● | ● |
| **Max. Fixtures** | N/A | 1 | 1 |
| **Order Code** | N/A | USCC-RM-1120C-01M | USCC-RM-1120X-01M |

| | L | W | H | A | B |
|---|---|---|---|---|---|
| **mm** | 203.2 | 63.1 | 47.7 | 232.2 | 21 |
| **in** | 8.0 | 2.5 | 1.88 | 9.14 | 0.825 |

### Remote Enclosure| 20W | Mains Dimming

| | |
|---|---|
| **Input Voltage** | 120 - 277 VAC \| 50/60 Hz |
| **Driver Type** | Constant Current \| Remote |
| **Location** | IP20 \| Indoor Dry Location Only |
| **Dimming Control** | Mains Dim \| TRIAC & ELV (Compatible with 120V dimmers only) |
| | Non-Dim Only @ 220 - 277V |
| **Min. Dim Level** | 5% |
| **Flicker** | No Observable Effect |
| **Hotplug Protection** | No |
| **Wiring Distances** | |
| 16 AWG \| 1.30mm² | |
| 18 AWG \| 0.75mm² | |




| | ▸ intense ◂ | plus⁺ | HE |
|---|---|---|---|
| **Compatability** | ● | ○ | ○ |
| **Max. Fixtures** | 1 | N/A | N/A |
| **Order Code** | USCC-RM-1120S-01M | N/A | N/A |

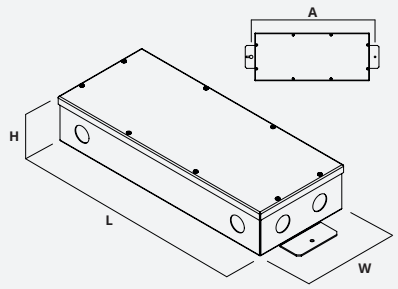
| | L | W | H | A | B |
|---|---|---|---|---|---|
| **mm** | 203.2 | 63.1 | 47.7 | 232.2 | 21 |
| **in** | 8.0 | 2.5 | 1.88 | 9.14 | 0.825 |

## DRIVER SELECTION | 120V REGIONS

### Remote Enclosure | 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 |

| | ▸ intense ◂ | plus+ | HE |
|---|---|---|---|
| **Compatability** | ● | ● | ● |
| **Max. Fixtures** | 1 | 1 | 1 |
| **Order Code** | USCC-RM-1120S-01A | USCC-RM-1120C-01A | USCC-RM-1120X-01A |

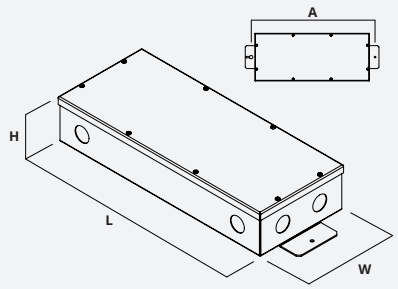



| | L | W | H | A |
|---|---|---|---|---|
| **mm** | 317.5 | 130.2 | 61 | 346 |
| **in** | 12.5 | 5.125 | 2.4 | 13.62 |

### Remote Enclosure | 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 |

| | ▸ intense ◂ | plus+ | HE |
|---|---|---|---|
| **Compatability** | ● | ● | ● |
| **Max. Fixtures** | 1 | 1 | 1 |
| **Order Code** | USCC-RM-1120S-01D | USCC-RM-1120C-01D | USCC-RM-1120X-01D |

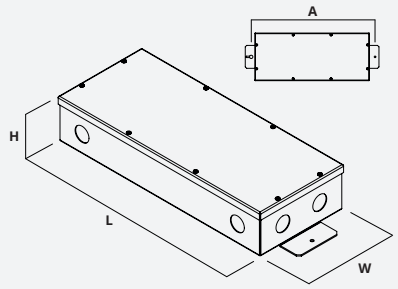



| | L | W | H | A |
|---|---|---|---|---|
| **mm** | 317.5 | 130.2 | 61 | 346 |
| **in** | 12.5 | 5.125 | 2.4 | 13.62 |

### 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 |

| | ▸ intense ◂ | plus+ | HE |
|---|---|---|---|
| **Compatability** | ● | ● | ● |
| **Max. Fixtures** | 1 | 1 | 1 |
| **Order Code** | USCC-RM-1120S-01C | USCC-RM-1120C-01C | USCC-RM-1120X-01C |




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

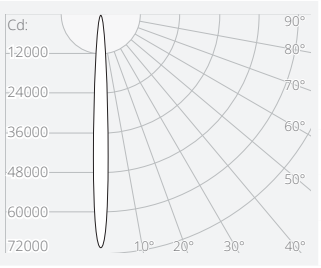
▸ intense ◂

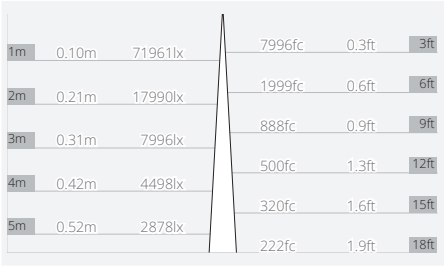
## PHOTOMETRY DIAGRAMS

### Ultra Narrow | 6° Beam

| | |
|---|---|
| **FWHM** | 6° |
| **Delivered Flux** | 1,089 lm |
| **Peak Intensity** | 71,961 Cd |
| **UGR** | UGR -3.7 |



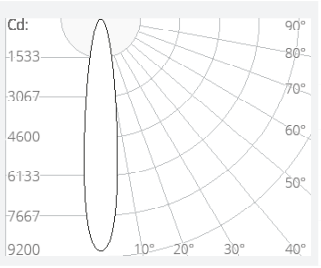


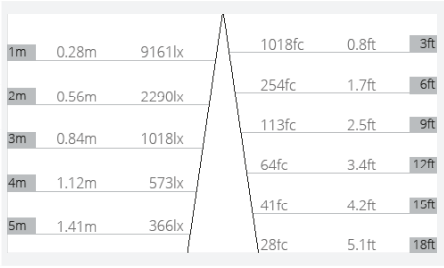




### Narrow | 16° Beam

| | |
|---|---|
| **FWHM** | 16° |
| **Delivered Flux** | 855 lm |
| **Peak Intensity** | 9,161 Cd |
| **UGR** | UGR 1.2 |



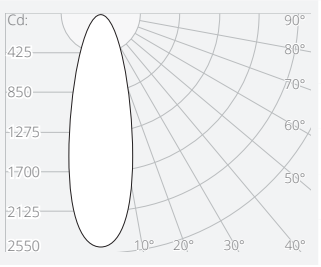


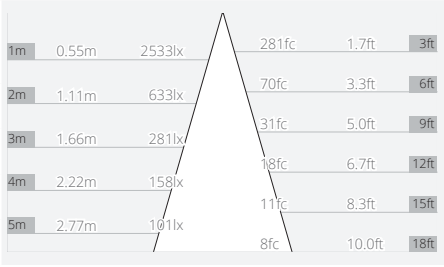




### Wide | 31° Beam

| | |
|---|---|
| **FWHM** | 31° |
| **Delivered Flux** | 865 lm |
| **Peak Intensity** | 2,533 Cd |
| **UGR** | UGR 11.7 |

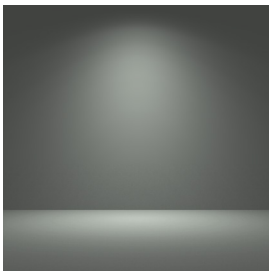


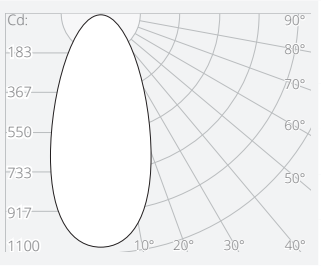


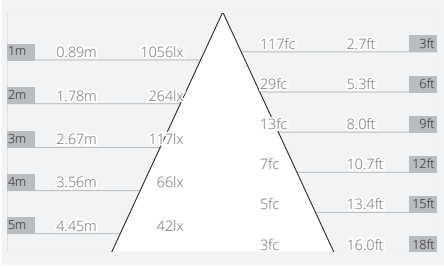




### Very Wide | 48° Beam

| | |
|---|---|
| **FWHM** | 48° |
| **Delivered Flux** | 722 lm |
| **Peak Intensity** | 1,056 Cd |
| **UGR** | UGR 18 |






All diagrams and data as measured @ 3000K

## PERFORMANCE SCALING BY CCT

| CCT | Output Multiplier | CRI Min. | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|---|---|---|---|---|---|---|
| 2700K | x1.00 | CRI 95 | 75 | - | - | 981 lm |
| 3000K | x1.00 | CRI 95 | 75 | - | - | 981 lm |
| 4000K | x1.15 | CRI 95 | 75 | - | - | 1,128 lm |

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

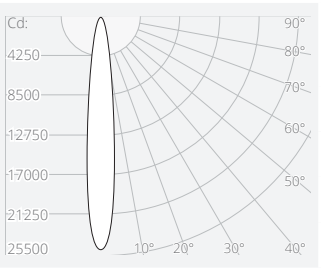
plus+

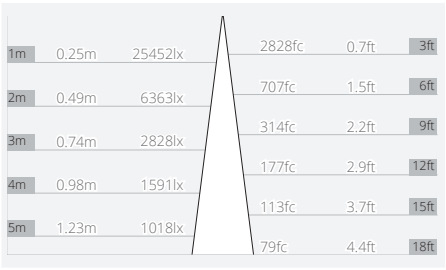
## PHOTOMETRY DIAGRAMS

### Narrow | 14° Beam

| | |
|---|---|
| **FWHM** | 14° |
| **Delivered Flux** | 1,991 lm |
| **Peak Intensity** | 25,452 Cd |
| **UGR** | UGR 4.2 |



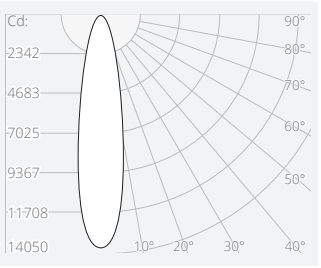


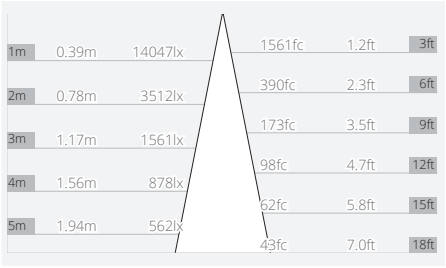




### Medium | 22° Beam

| | |
|---|---|
| **FWHM** | 22° |
| **Delivered Flux** | 1,845 lm |
| **Peak Intensity** | 14,047 Cd |
| **UGR** | UGR 1.6 |



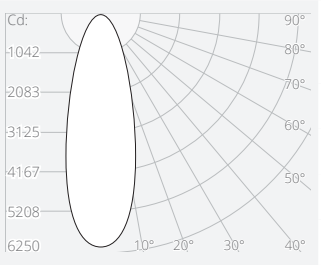


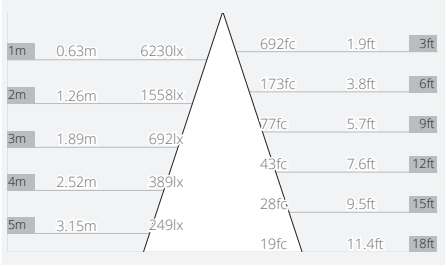




### Wide | 35° Beam

| | |
|---|---|
| **FWHM** | 35° |
| **Delivered Flux** | 2,036 lm |
| **Peak Intensity** | 6,230 Cd |
| **UGR** | UGR 3.8 |

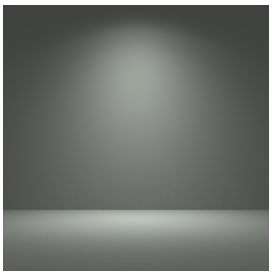


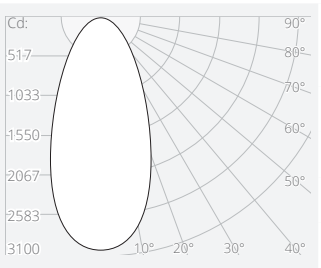


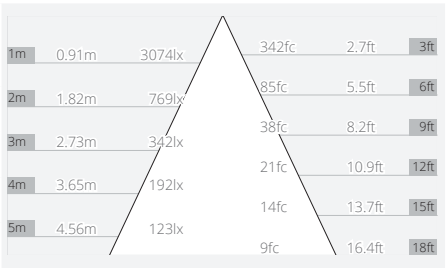




### Very Wide | 49° Beam

| | |
|---|---|
| **FWHM** | 49° |
| **Delivered Flux** | 1,948 lm |
| **Peak Intensity** | 3,074 Cd |
| **UGR** | UGR 16.2 |






All diagrams and data as measured @ 3000K

## PERFORMANCE SCALING BY CCT

| CCT | Output Multiplier | CRI Min. | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|---|---|---|---|---|---|---|
| 2400K | x1.05 | CRI 90 | 61 | - | - | 2,137 lm |
| 2700K | x0.94 | CRI 95 | 91 | - | - | 1,913 lm |
| 3000K | x1.00 | CRI 95 | 91 | - | - | 2,036 lm |
| 3500K | x1.00 | CRI 95 | 91 | - | - | 2,036 lm |
| 4000K | x1.10 | CRI 95 | 91 | - | - | 2,239 lm |

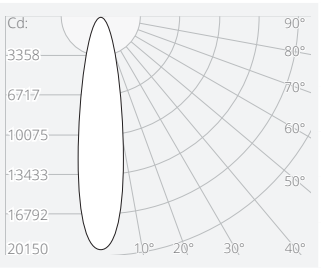
Digital photometric files available as .LDT format.
Contact your sales rep or visit **www.luminii.com** for more information.

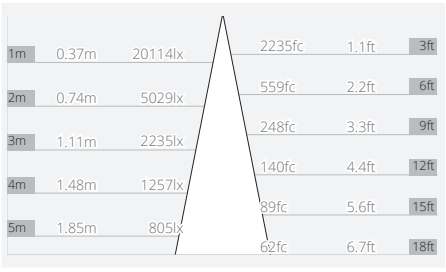
## PHOTOMETRY DIAGRAMS

### Narrow | 21° Beam

| | |
|---|---|
| **FWHM** | 21° |
| **Delivered Flux** | 3,108 lm |
| **Peak Intensity** | 20,114 Cd |
| **UGR** | UGR 7.6 |



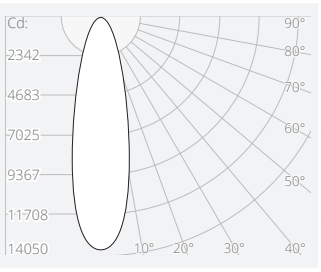


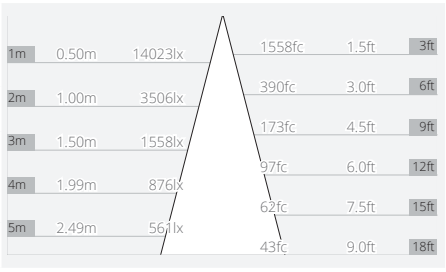




### Medium | 28° Beam

| | |
|---|---|
| **FWHM** | 28° |
| **Delivered Flux** | 3,052 lm |
| **Peak Intensity** | 14,023 Cd |
| **UGR** | UGR 5.9 |



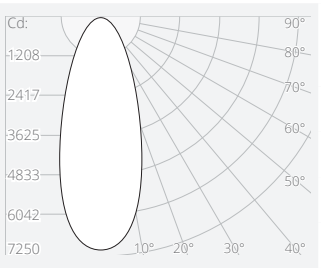


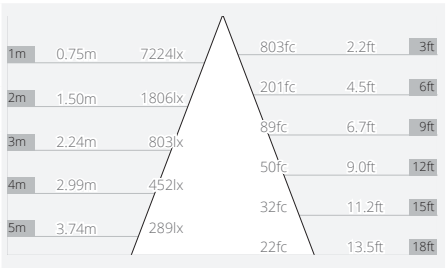




### Wide | 41° Beam

| | |
|---|---|
| **FWHM** | 41° |
| **Delivered Flux** | 3,133 lm |
| **Peak Intensity** | 7,224 Cd |
| **UGR** | UGR 7.4 |

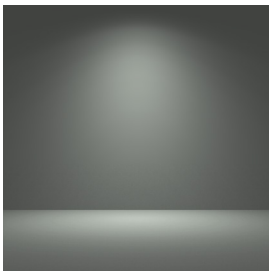


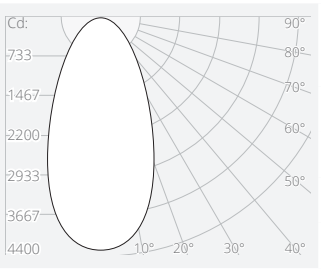


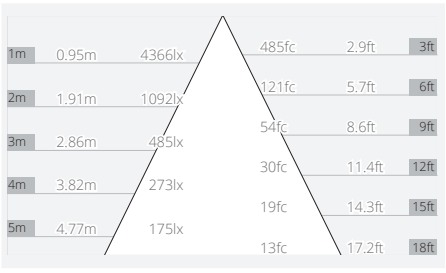




### Very Wide | 51° Beam

| | |
|---|---|
| **FWHM** | 51° |
| **Delivered Flux** | 3,076 lm |
| **Peak Intensity** | 4,366 Cd |
| **UGR** | UGR 18.9 |






All diagrams and data as measured @ 3000K

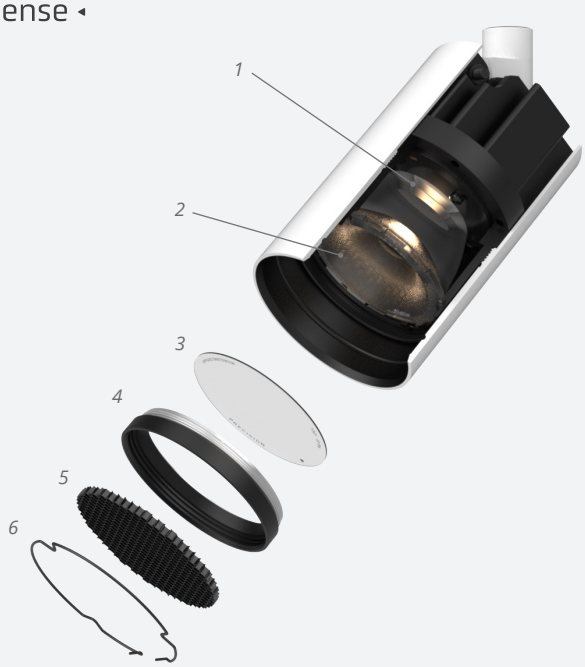
## PERFORMANCE SCALING BY CCT

| CCT | Output Multiplier | CRI Min. | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|---|---|---|---|---|---|---|
| 2700K | x0.96 | CRI 90 | 61 | - | - | 3,007 lm |
| 3000K | x1.00 | CRI 90 | 61 | - | - | 3,133 lm |

Digital photometric files available as .LDT format.
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## PRODUCT ANATOMY

▸ intense ◂




plus+ HE

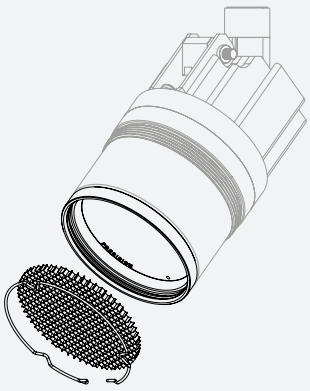



**Optical accessories ordered separately*

1. High Intensity Single-Source LED
2. Permanently Installed Base Optic
3. Interchangable Ø66mm MICROLENS Optic
4. Integral Single Accessory Holder
5. Range of Optical Accessories
6. Accessory Retention Clip

1. High Output COB Light Engine
2. Interchangeable TIR Optic
3. Integral Double Accessory Holder
4. Range of Optical Accessories
5. Accessory Retention Clip

## INTEGRATED ACCESSORY HOLDERS

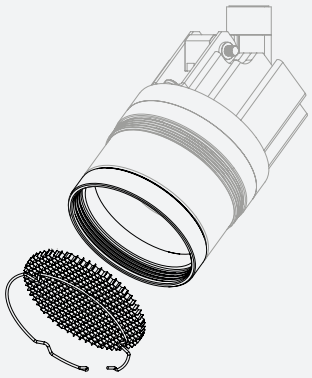


### Single Accessory Holder

*Built-in to Solo 20 Intense only*

**Accessory Dia.** Ø68mm | Ø2.67"

**Capacity** 3.2mm | 0.125" Max. Thickness



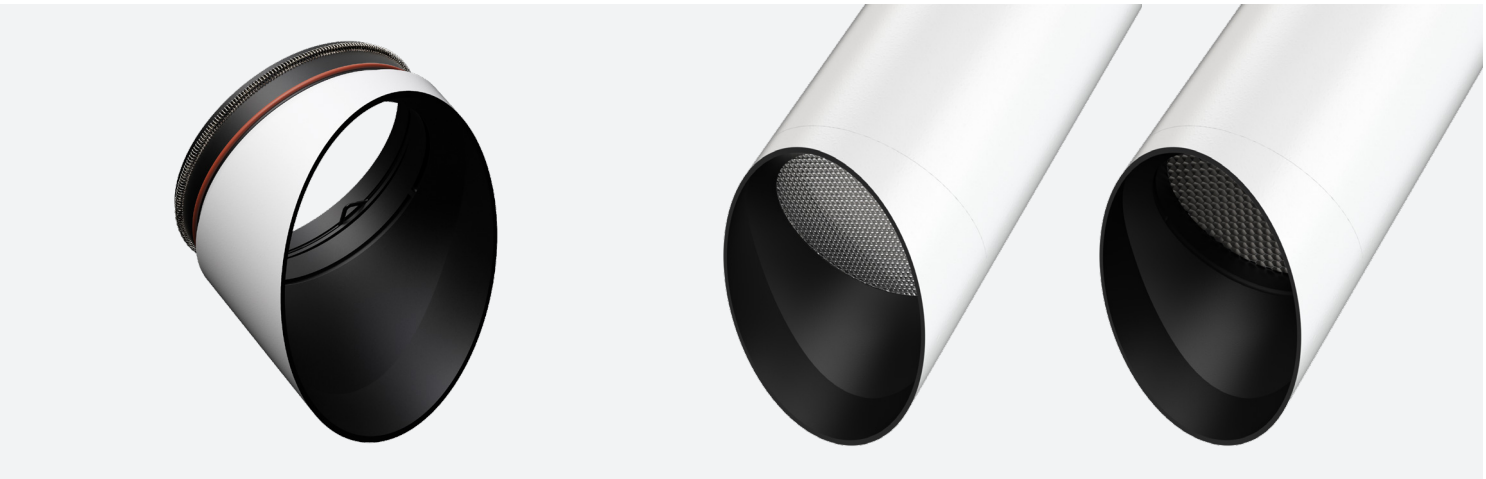
### Double Accessory Holder

*Built-in to Solo 20 Plus & HE only*

**Accessory Dia.** Ø68mm | Ø2.67"

**Capacity** 5.0mm | 0.2" Max Thickness

## GLARE GUARD ACCESSORY HOLDER

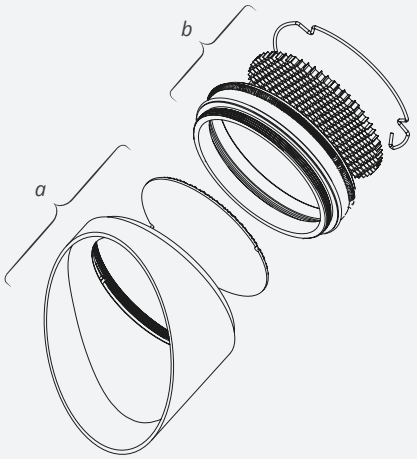


The Glare Guard Accessory Holder is an angled, snap-in snoot extension capable of holding a range of optical accessories, including honeycombs, gels, and beam shaping optics such as Wallwash and Linear Spread Lenses. The holder comprises of two halves, a front compartment and a rear compartment. The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

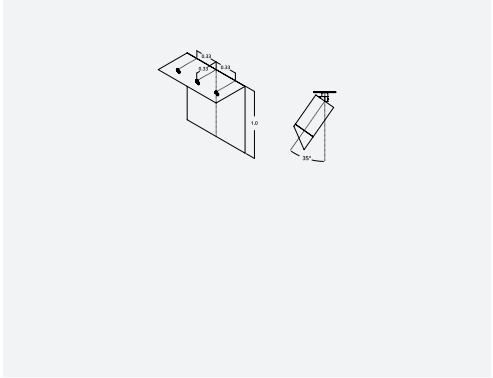



**Optical accessories ordered separately*



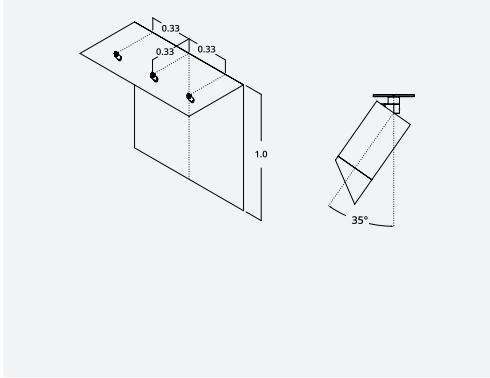
### Orientation Indexing

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.

plus+

## WALLWASH PHOTOMETRY



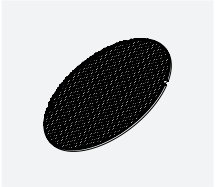
Solo 20 Plus

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1120-GLR-01-AL

+

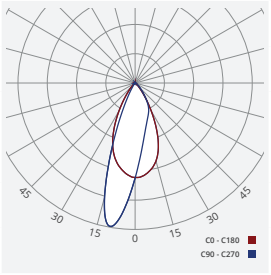


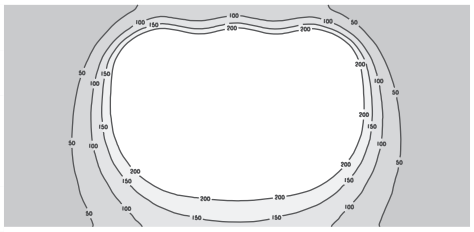
HKFD-68-WAS-1

- Recommended wall height is 3.0 m / 9.84 ft
- Recommended set back and fixture spacing is 1.00 m / 3.28 ft
- Recommended base optics are Narrow 14°, Medium 22° or Wide 35°
- The Wallwash Disc **HKFD-68-WAS-1** can only be used in combination with the Glare Guard Accessory Holder **1120-GLR-XX-XX**
- Follow the set back and fixture spacing rules outlined on page 10 - results may vary depending on your application

| Base Optic | Narrow (14°) |
|---|---|
| Distribution Angle | 23° x 51° |
| Delivered Flux | 1,444 lm |
| Peak Intensity | 3,295 Cd |
| Efficiency | 58.2 lm/W |
| Efficiency Multiplier | x 0.73 |



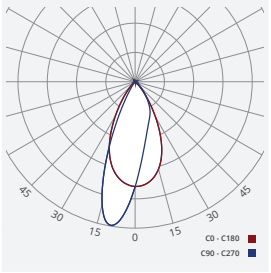


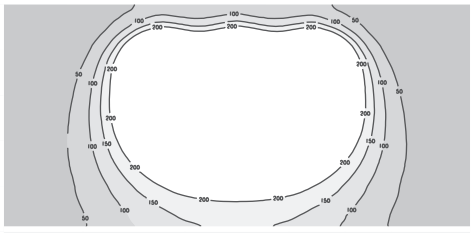



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Medium (22°) |
|---|---|
| Distribution Angle | 28° x 54° |
| Delivered Flux | 1,488 lm |
| Peak Intensity | 2,880 Cd |
| Efficiency | 60.0 lm/W |
| Efficiency Multiplier | x 0.80 |



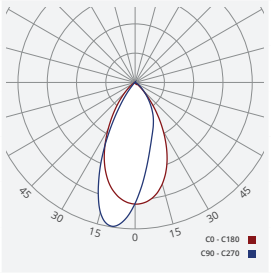


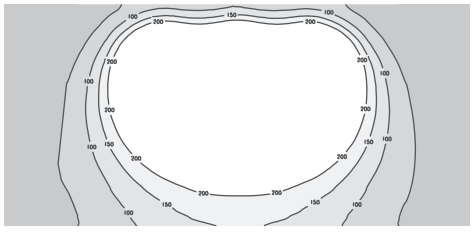



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Wide (35°) |
|---|---|
| Distribution Angle | 36° x 57° |
| Delivered Flux | 1,588 lm |
| Peak Intensity | 2,294 Cd |
| Efficiency | 64.0 lm/W |
| Efficiency Multiplier | x 0.78 |



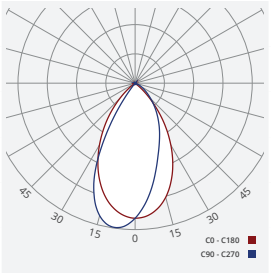


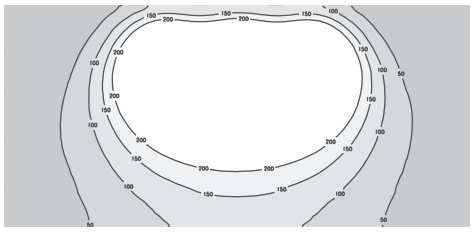



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Very Wide (49°) |
|---|---|
| Distribution Angle | 47° x 62° |
| Delivered Flux | 1,340 lm |
| Peak Intensity | 1,531 Cd |
| Efficiency | 54.0 lm/W |
| Efficiency Multiplier | x 0.69 |





3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

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

HE

## WALLWASH PHOTOMETRY

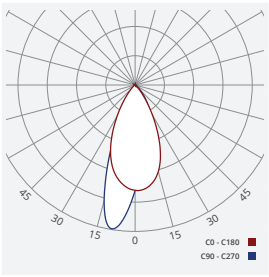


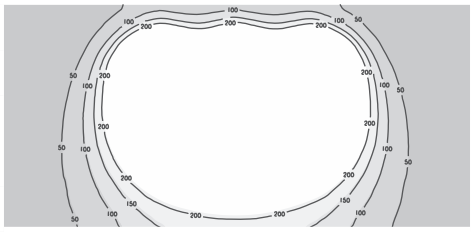
Solo 20 HE + 1120-GLR-01-AL + HKFD-68-WAS-1

- Recommended wall height is 3.0 m / 9.84 ft
- Recommended set back and fixture spacing is 1.00 m / 3.28 ft
- Recommended base optics are Narrow 21°, Medium 28° or Wide 41°
- The Wallwash Disc **HKFD-68-WAS-1** can only be used in combination with the Glare Guard Accessory Holder **1120-GLR-XX-XX**
- Follow the set back and fixture spacing rules outlined on page 10 - results may vary depending on your application

| Base Optic | Narrow (21°) |
|---|---|
| Distribution Angle | 27° x 51° |
| Delivered Flux | 1,820 lm |
| Peak Intensity | 3,773 Cd |
| Efficiency | 67.6 lm/W |
| Efficiency Multiplier | x 0.59 |



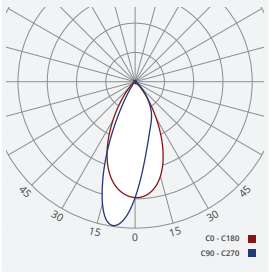


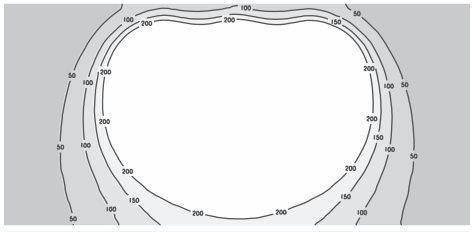



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Medium (28°) |
|---|---|
| Distribution Angle | 31° x 52° |
| Delivered Flux | 1,915 lm |
| Peak Intensity | 3,425 Cd |
| Efficiency | 71.2 lm/W |
| Efficiency Multiplier | x 0.63 |



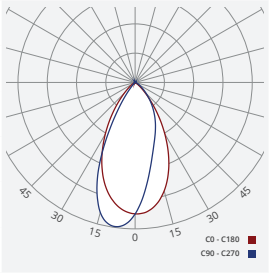


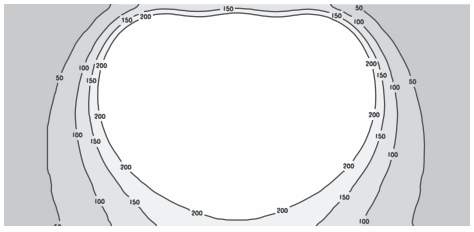



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Wide (41°) |
|---|---|
| Distribution Angle | 40° x 57° |
| Delivered Flux | 2,061 lm |
| Peak Intensity | 2,778 Cd |
| Efficiency | 76.6 lm/W |
| Efficiency Multiplier | x 0.66 |



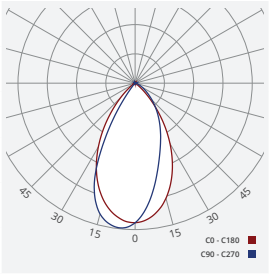


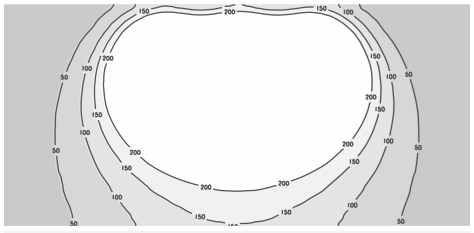



3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

| Base Optic | Very Wide (51°) |
|---|---|
| Distribution Angle | 47° x 61° |
| Delivered Flux | 1,739 lm |
| Peak Intensity | 1,983 Cd |
| Efficiency | 64.6 lm/W |
| Efficiency Multiplier | x 0.56 |





3x Fixtures | 3.00m : 1.00m : 1.00m | 35° Tilt

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

## 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*

## Ø68MM LINEAR SPREAD LENS



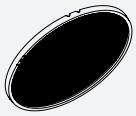
Solo 20 Plus

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1120-HOL-XX-XX

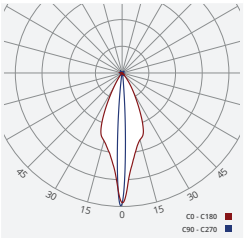
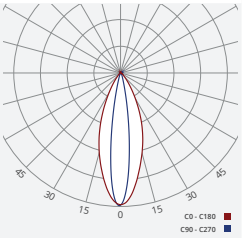
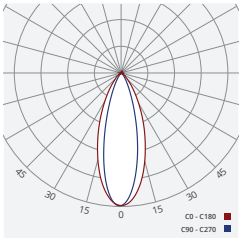
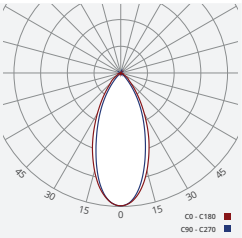
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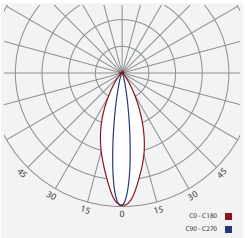
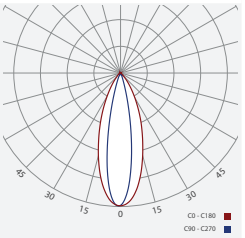
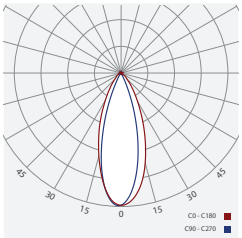
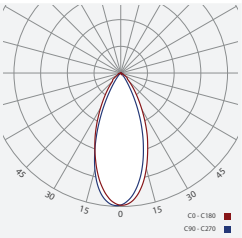
HKFD-68-LIN

- Linear Disc **HKFD-68-LIN** is a microprismatic PMMA lens that can be used to create asymmetric linear beam effects
- Although it fits in Solo 20's integral accessory holder, it is recommended to be used in conjunction with the Snoot Accessory Holder **1120-HOL-01-XX** to reduce beam clipping
- Using narrower base optics will produce a longer, thinner beam
- The beam is spread perpendicular to the disc's vertical stripes

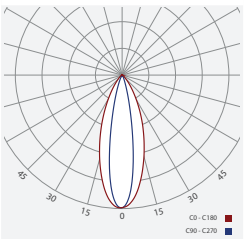
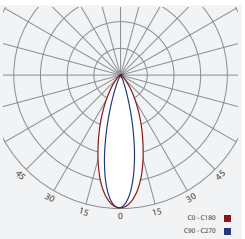
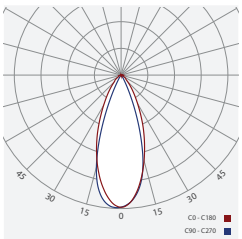
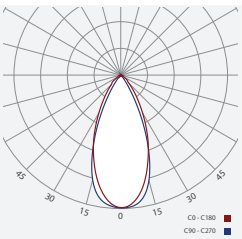
### ▸ intense ◂

| | Ultra Narrow (6°) | Narrow (16°) | Wide (31°) | Very Wide (48°) |
|---|---|---|---|---|
| |  |  |  |  |
| Distribution Angle | 7° x 38° | 16° x 39° | 29° x 41° | 43° x 49° |
| Delivered Flux | 893 lm | 772 lm | 686 lm | 599 lm |
| Peak Intensity | 10,213 Cd | 3,390 Cd | 1,486 Cd | 807 Cd |
| Efficiency | 51.0 lm/W | 44.1 lm/W | 39.2 lm/W | 34.2 lm/W |
| Efficiency Multiplier | x 0.82 | x 0.90 | x 0.79 | x 0.82 |

### plus+

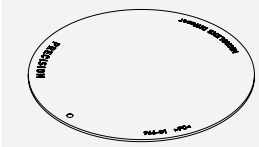
| | Narrow (14°) | Medium (22°) | Wide (35°) | Very Wide (49°) |
|---|---|---|---|---|
| |  |  |  |  |
| Distribution Angle | 15° x 39° | 20° x 38° | 31° x 41° | 41° x 46° |
| Delivered Flux | 1,703 lm | 1,726 lm | 1,814 lm | 1,537 lm |
| Peak Intensity | 7,901 Cd | 5,877 Cd | 4,122 Cd | 2,423 Cd |
| Efficiency | 68.7 lm/W | 69.6 lm/W | 73.1 lm/W | 62.0 lm/W |
| Efficiency Multiplier | x 0.86 | x 0.94 | x 0.89 | x 0.79 |

### HE

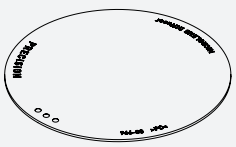
| | Narrow (21°) | Medium (28°) | Wide (41°) | Very Wide (51°) |
|---|---|---|---|---|
| |  |  |  |  |
| Distribution Angle | 20° x 39° | 25° x 39° | 36° x 42° | 45° x 48° |
| Delivered Flux | 2,295 lm | 2,324 lm | 2,521 lm | 2,256 lm |
| Peak Intensity | 7,864 Cd | 6,599 Cd | 4,911 Cd | 3,207 Cd |
| Efficiency | 85.3 lm/W | 86.4 lm/W | 93.7 lm/W | 83.9 lm/W |
| Efficiency Multiplier | x 0.73 | x 0.76 | x 0.80 | x 0.82 |

## OPTICAL ACCESSORIES

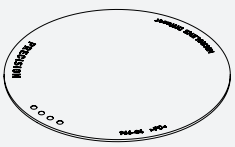
### SPARE OPTICS



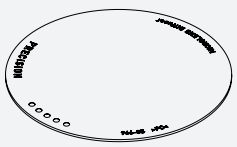
**Ø66 MICROLENS D1**
For Solo 20 Intense | U. Narrow
**966-01**



**Ø66 MICROLENS D3**
For Solo 20 Intense | Narrow
**966-03**



**Ø66 MICROLENS D4**
For Solo 20 Intense | Wide
**966-04**



**Ø66 MICROLENS D5**
For Solo 20 Intense | V. Wide
**966-05**



**Narrow TIR Optic**
For Solo 20 Plus & HE Only
**HKHG-68-15-PMMA**



**Medium TIR Optic**
For Solo 20 Plus & HE Only
**HKHG-68-24-PMMA**

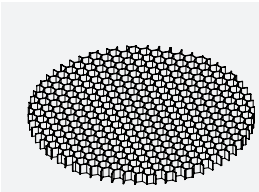


**Wide TIR Optic**
For Solo 20 Plus & HE Only
**HKHG-68-36-PMMA**



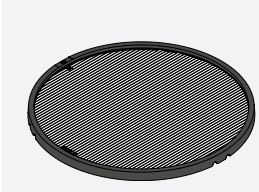
**Very Wide TIR Optic**
For Solo 20 Plus & HE Only
**HKHG-68-50-PMMA**

### GLARE CONTROL

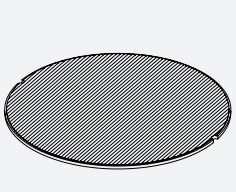


**Ø68 Honeycomb Louvre**
Ø68 x 3.2mm | Ø2.67 x 0.125″
Fits all accessory holders
**995-68-BK**

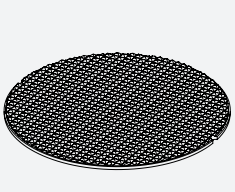
### BEAM MODIFIERS



**Ø68 Linear Spread Lens**
Ø68 x 3.0mm | Ø2.67 x 0.12″
Fits all accessory holders
**HKFD-68-LIN**

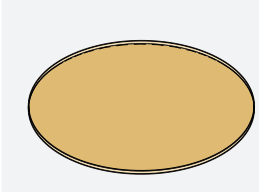


**Ø66 Linear Spread Lens**
Ø66 x 1.2mm | Ø2.60 x 0.05″
For Glare Guard Accessory only
**HKFD-68-LIN-1**

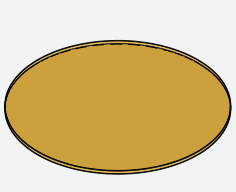


**Ø66 Wallwash Lens**
Ø66 x 1.2mm | Ø2.60 x 0.05″
For Glare Guard Accessory only
**HKFD-68-WAS-1**

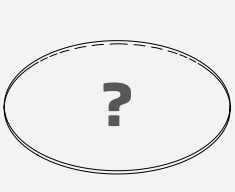
### COLOUR MODIFIERS



**Ø68 1/4 CTO Filter**
Ø68 x 1.75mm | Ø2.67 x 0.07″
Fits all accessory holders
**Contact Sales Rep**



**Ø68 1/2 CTO Filter**
Ø68 x 1.75mm | Ø2.67 x 0.07″
Fits all accessory holders
**Contact Sales Rep**




**Ø68 Custom Colour Filter**
Ø68 x 1.75mm | Ø2.67 x 0.07″
Fits all accessory holders
**Contact Sales Rep**