

## YASMEEN-70-S

~15° spot beam

### SPECIFICATION:

Dimensions	Ø 70.0 mm
Height	37.7 mm
Fastening	socket
ROHS compliant	yes ⓘ

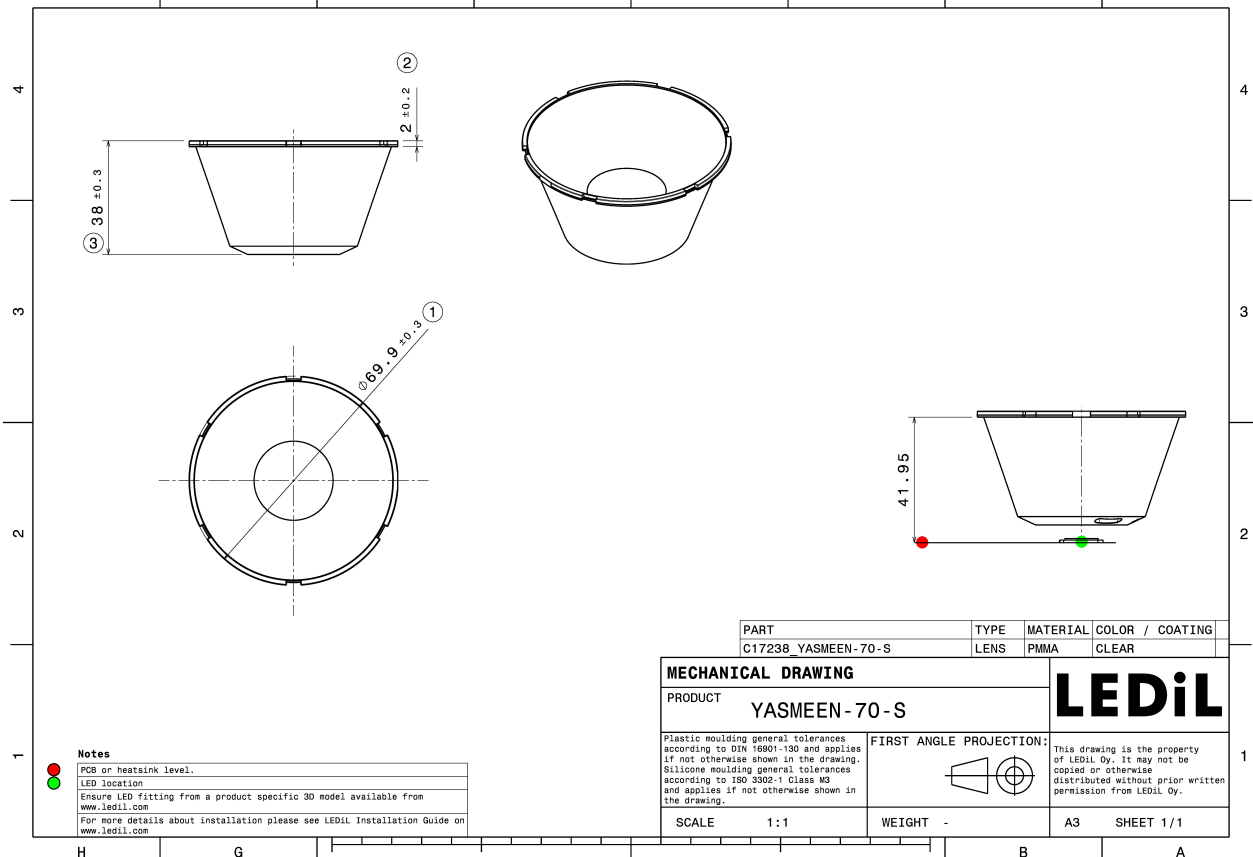
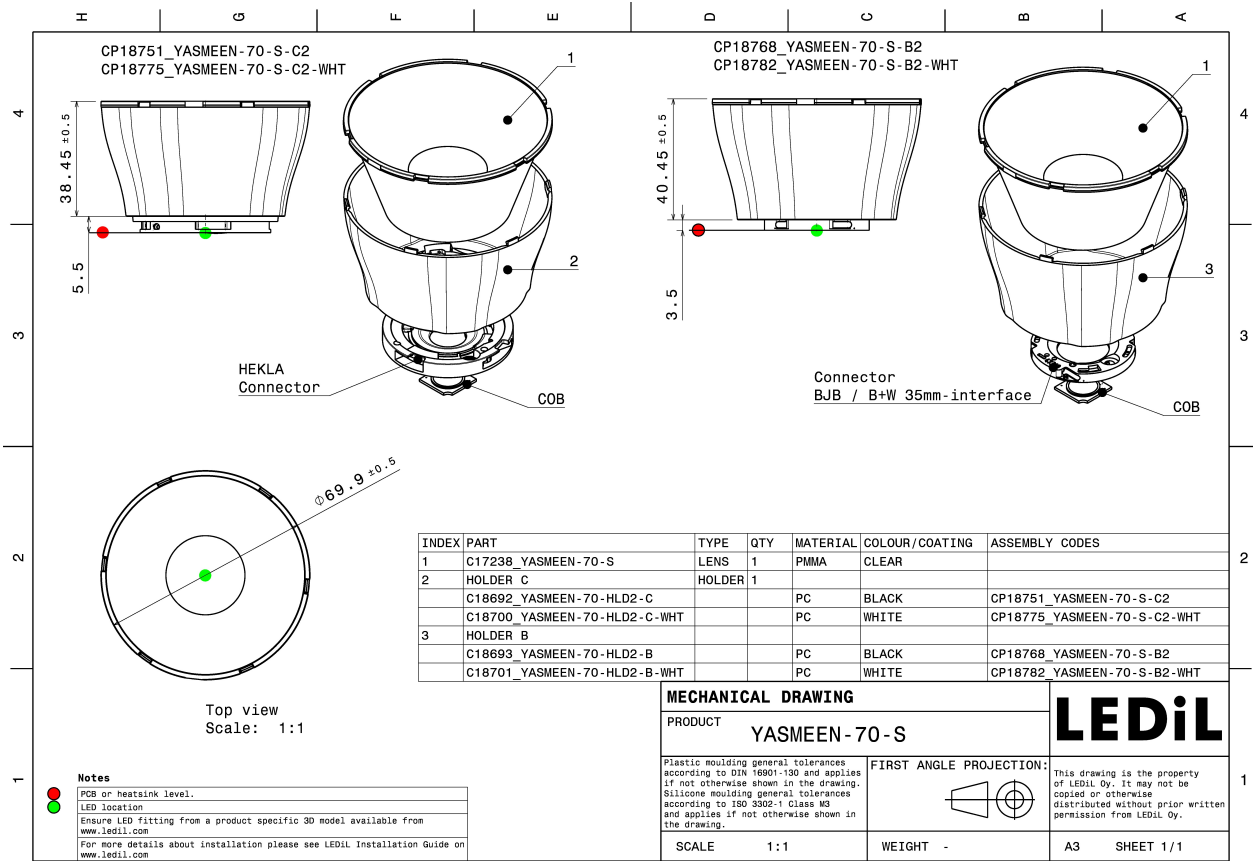
### MATERIALS:

Component	Type	Material	Colour	Finish
YASMEEN-70-S	Single lens	PMMA	clear	
YASMEEN-70-HLD2-C	Holder C	PC	black	
YASMEEN-70-HLD2-B	Holder B	PC	black	
YASMEEN-70-HLD2-C-WHT	Holder C	PC	white	
YASMEEN-70-HLD2-B-WHT	Holder B	PC	white	



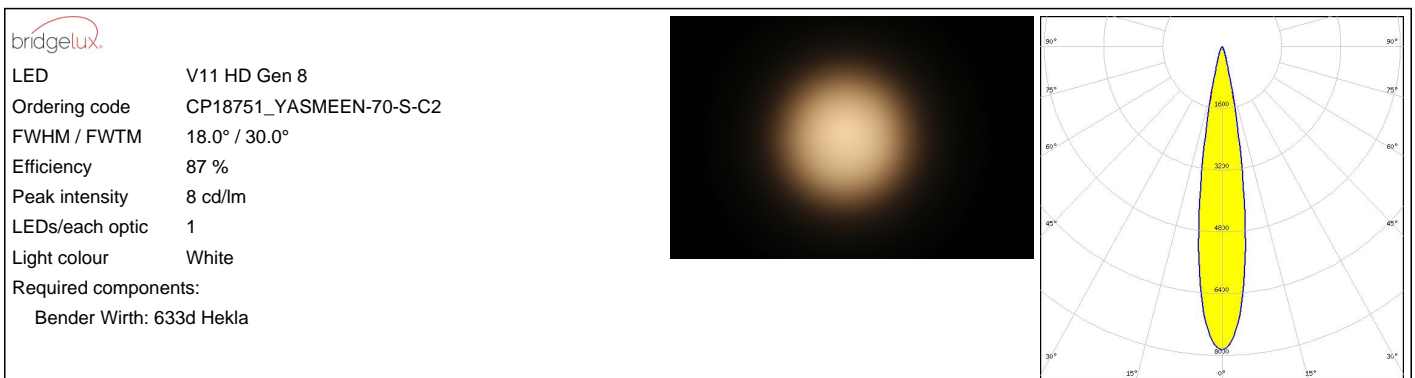
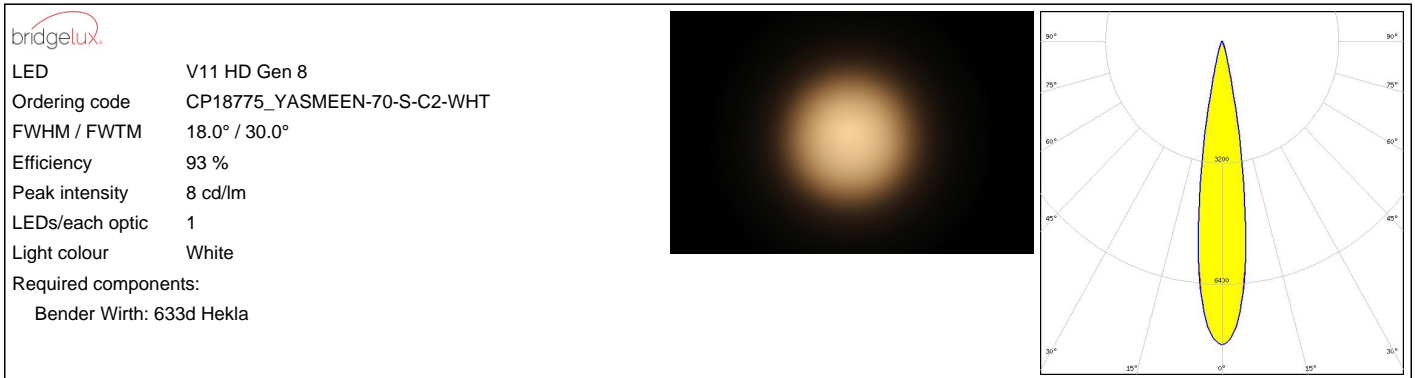
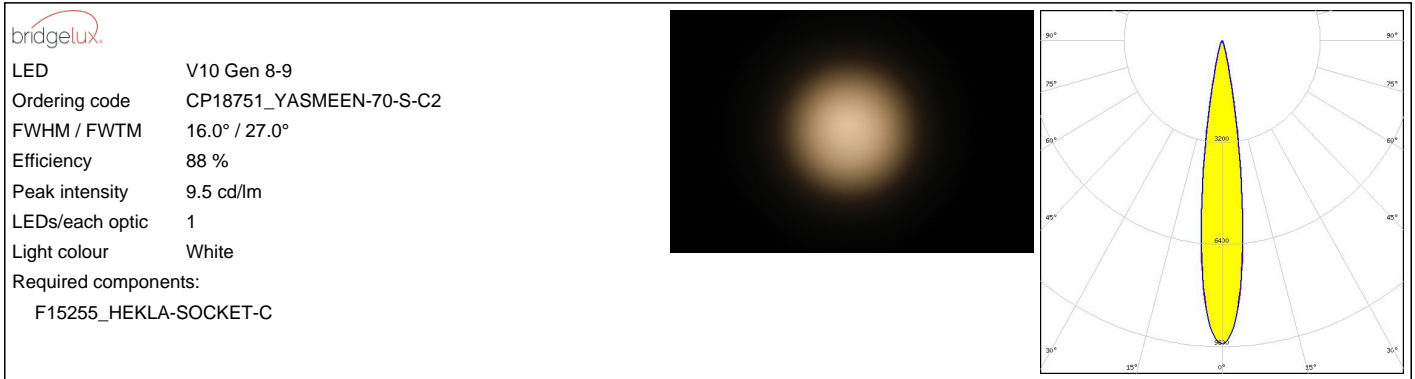
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17238_YASMEEN-70-S	105	105	15	8.0
<b>Assembly</b>				
CP18782_YASMEEN-70-S-B2-WHT	105	105	15	9.5
CP18775_YASMEEN-70-S-C2-WHT	105	105	15	9.4
CP18768_YASMEEN-70-S-B2	105	105	15	9.5
CP18751_YASMEEN-70-S-C2	105	105	15	9.4

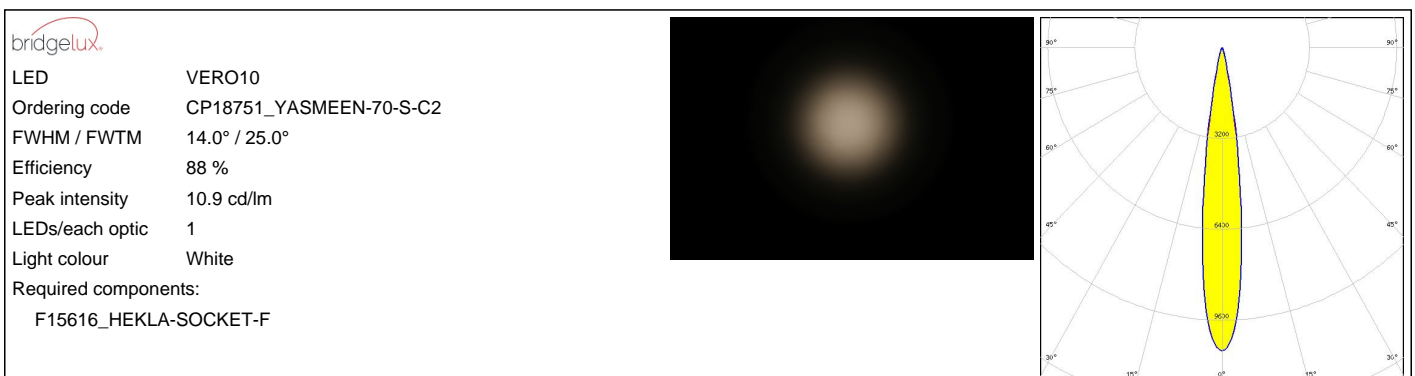
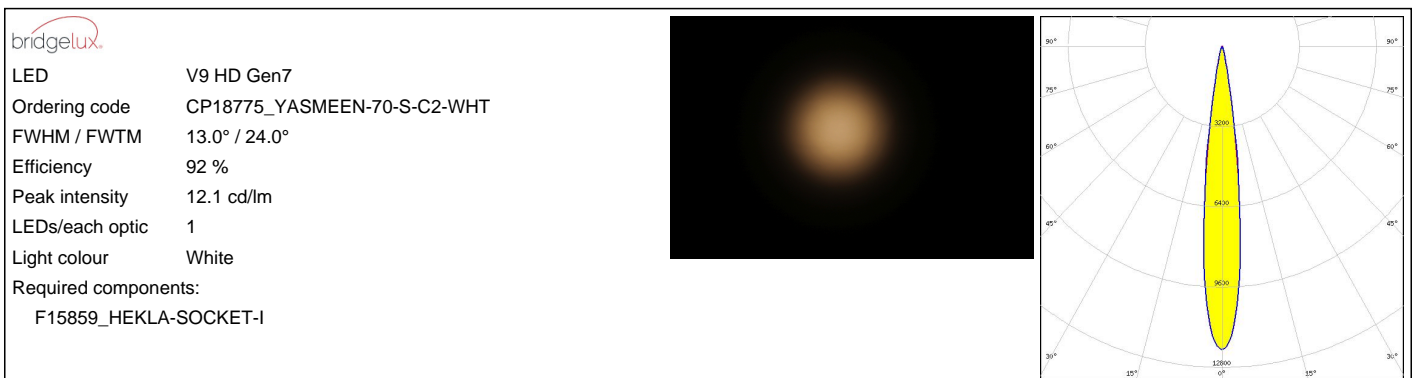
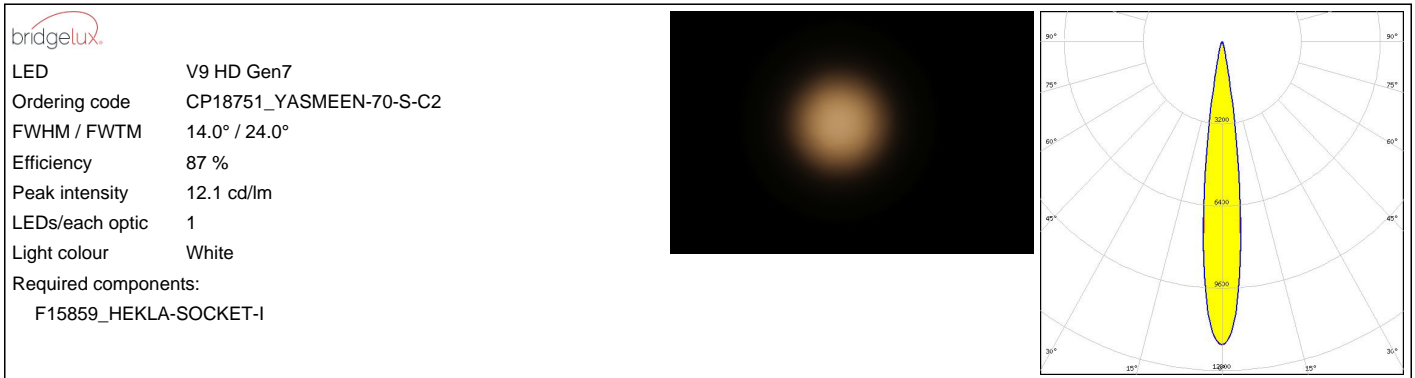
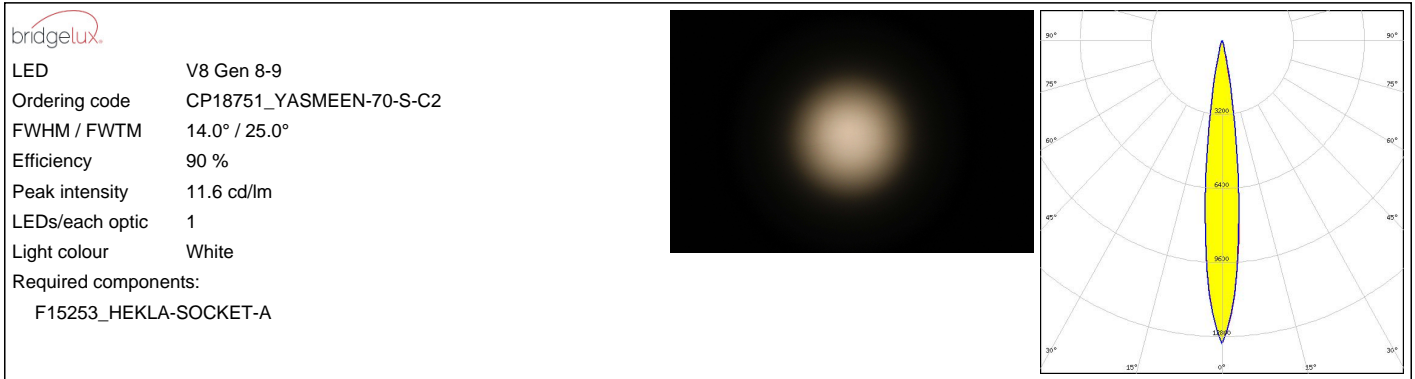


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

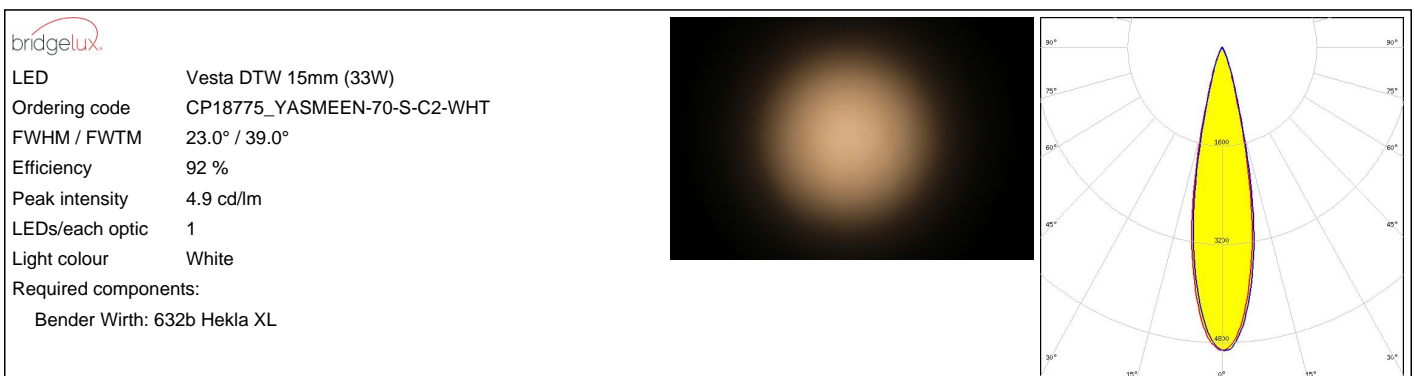
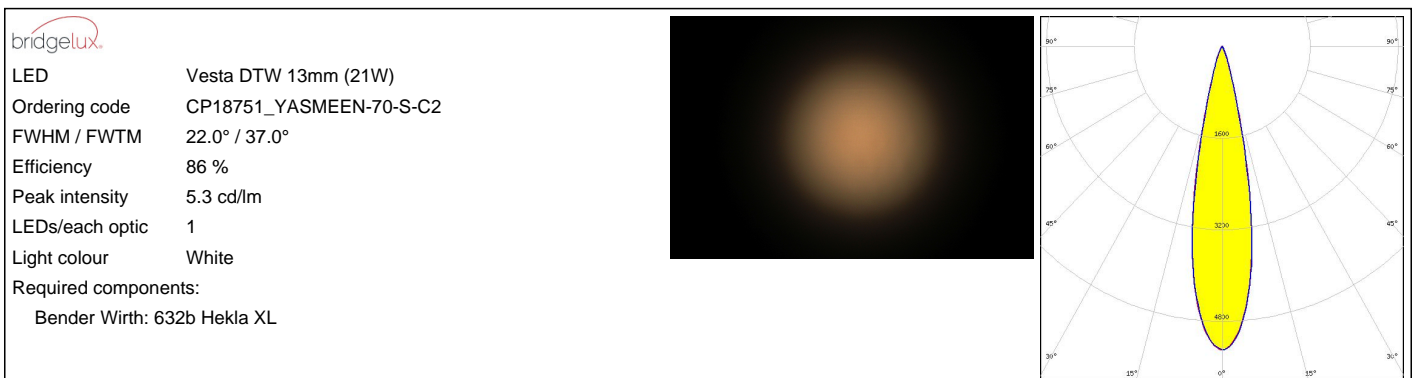
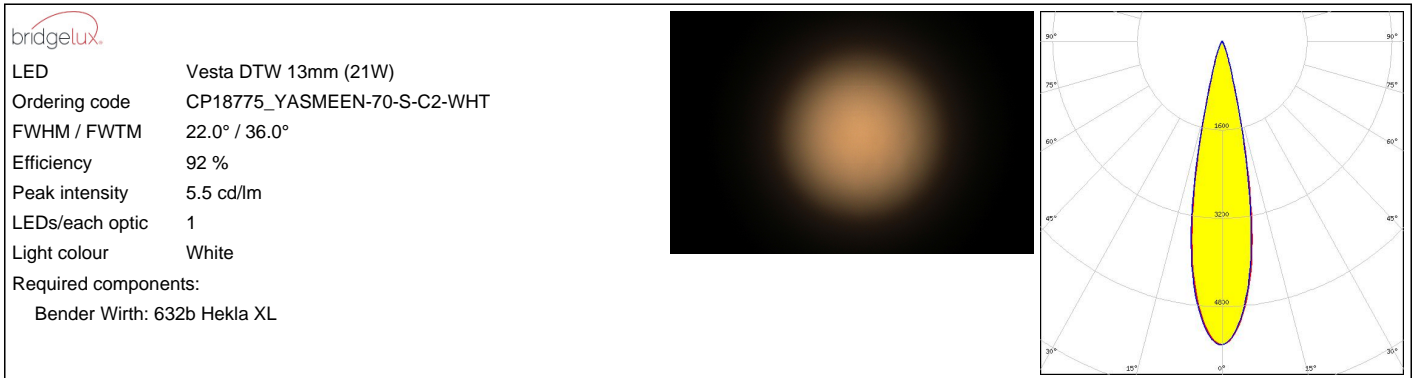
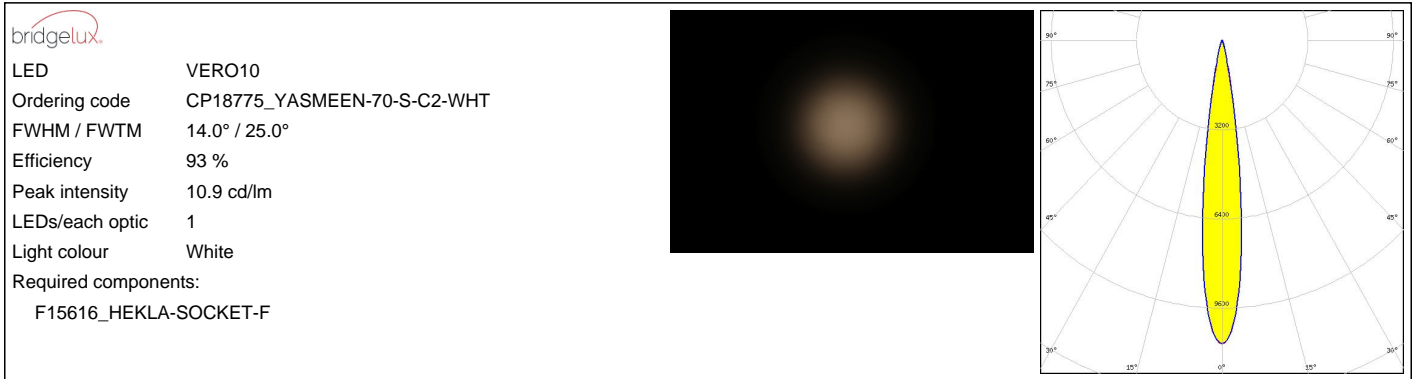
### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (MEASURED):



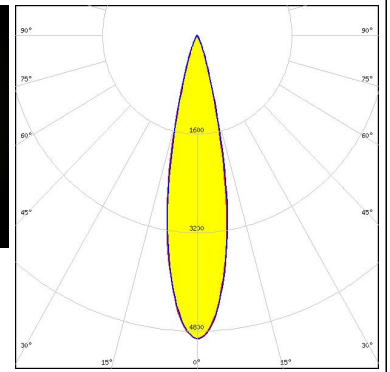
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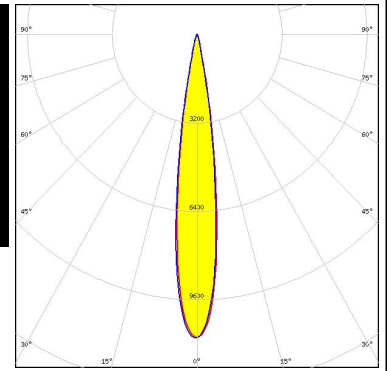
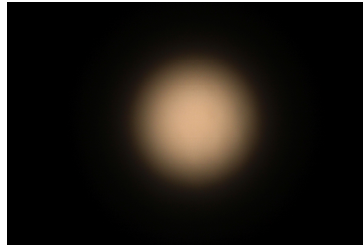
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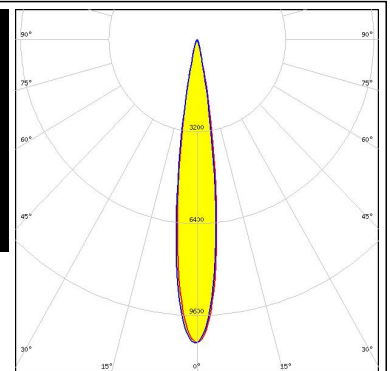
**LED** Vesta DTW 15mm (33W)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 23.0° / 39.0°  
**Efficiency** 86 %  
**Peak intensity** 4.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 632b Hekla XL



**LED** Vesta DTW 9mm (4W/6W/12W)  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 15.0° / 25.0°  
**Efficiency** 93 %  
**Peak intensity** 11 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 652b Hekla

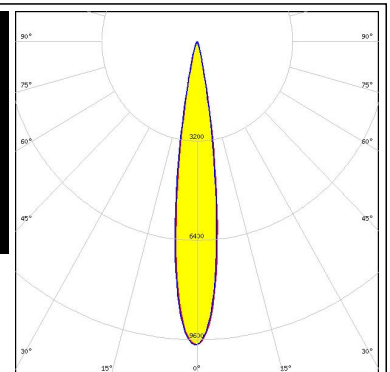
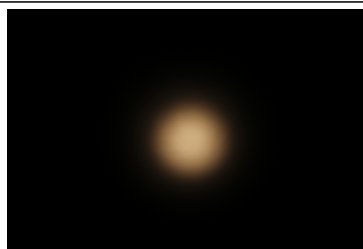


**LED** Vesta DTW 9mm (4W/6W/12W)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 15.0° / 26.0°  
**Efficiency** 88 %  
**Peak intensity** 10.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 652b Hekla



### CITIZEN

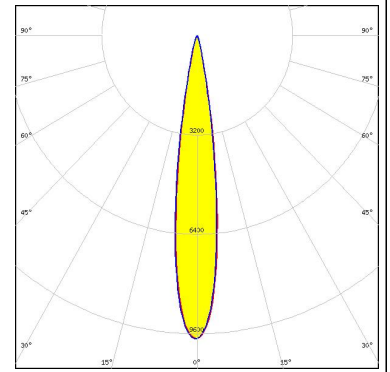
**LED** CLL02x/CLU02x (LES10)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 15.0° / 27.0°  
**Efficiency** 87 %  
**Peak intensity** 9.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



### OPTICAL RESULTS (MEASURED):

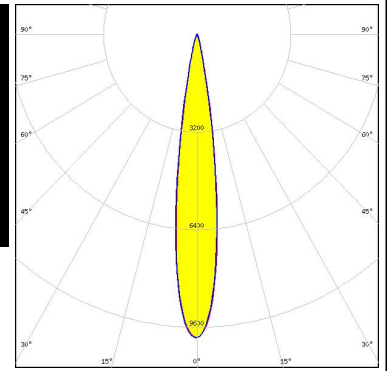
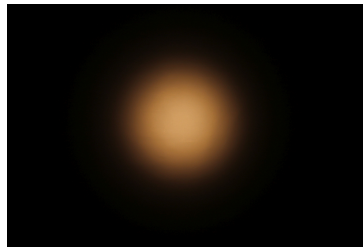
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 16.0° / 27.0°  
 Efficiency 87 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



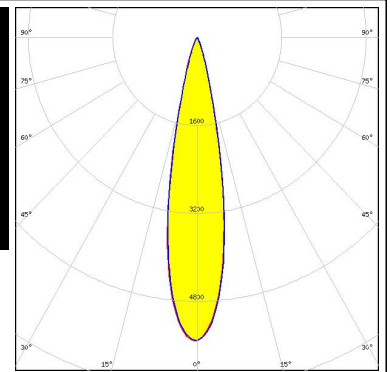
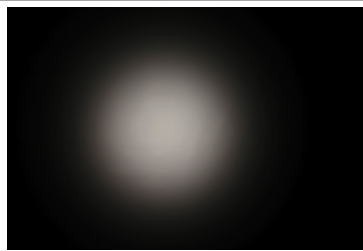
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 15.5° / 26.5°  
 Efficiency 92 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



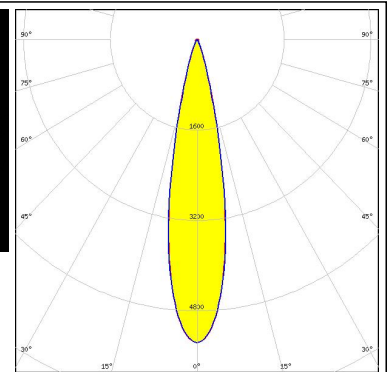
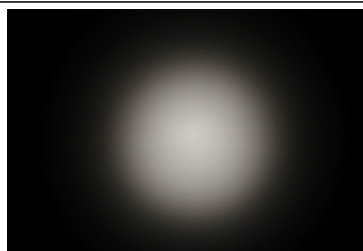
#### CITIZEN

LED CLL03x/CLU03x  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 21.0° / 36.5°  
 Efficiency 85 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



#### CITIZEN

LED CLL03x/CLU03x  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 21.0° / 37.0°  
 Efficiency 86 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1010

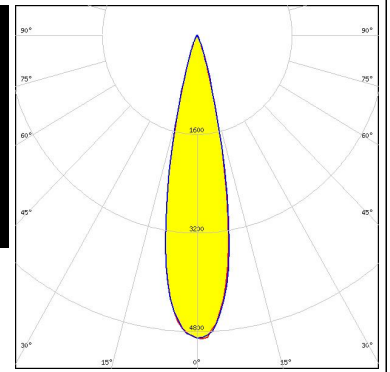




### OPTICAL RESULTS (MEASURED):

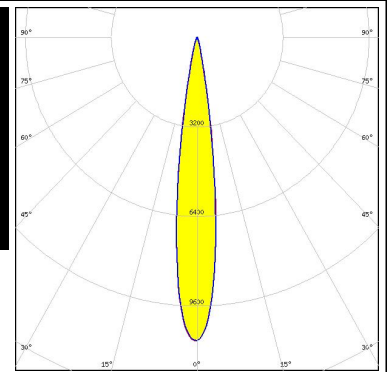
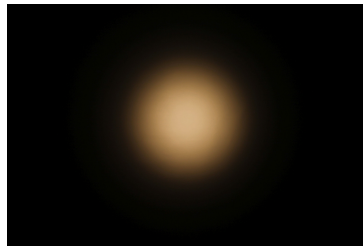
#### CITIZEN

LED CLL03x/CLU03x  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 21.0° / 37.0°  
 Efficiency 92 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



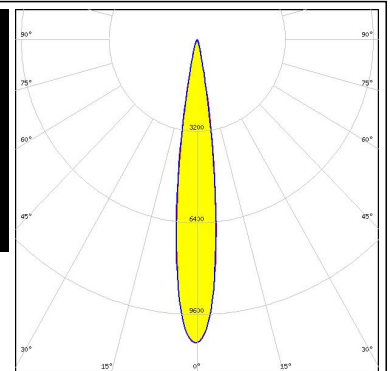
#### CREE LEDs

LED CMA1516  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 14.0° / 25.0°  
 Efficiency 93 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



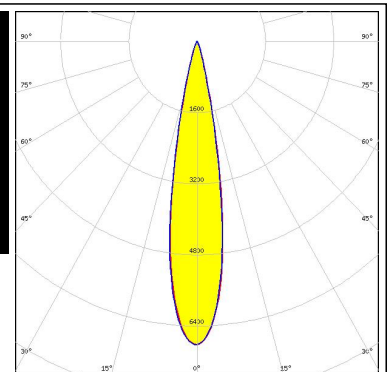
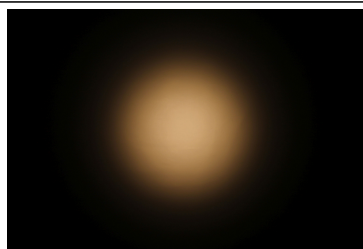
#### CREE LEDs

LED CMA1516  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 14.0° / 25.0°  
 Efficiency 87 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17436\_HEKLA-G2-D



#### CREE LEDs

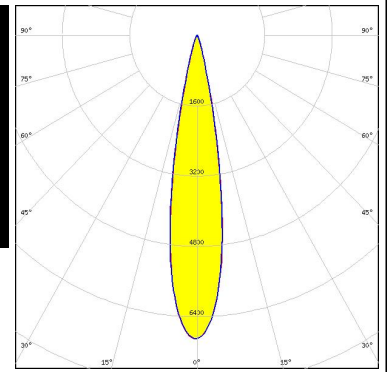
LED CMA1825  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 19.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



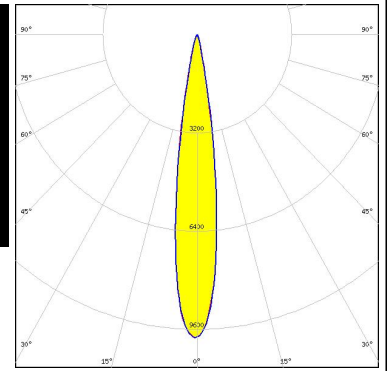
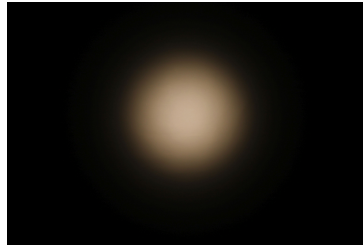
### OPTICAL RESULTS (MEASURED):



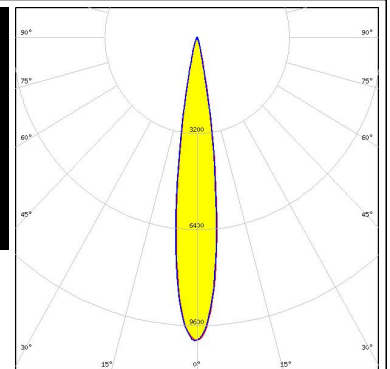
**LED** CMA1825  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 19.0° / 32.0°  
**Efficiency** 93 %  
**Peak intensity** 6.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15254\_HEKLA-SOCKET-B



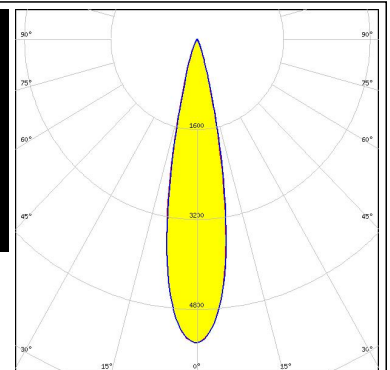
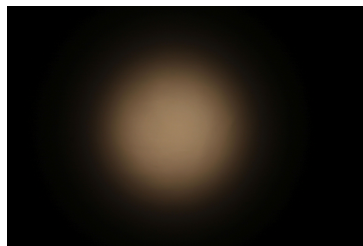
**LED** CMT14xx  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 15.0° / 26.0°  
**Efficiency** 86 %  
**Peak intensity** 10.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



**LED** CMT14xx  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 15.0° / 26.0°  
**Efficiency** 92 %  
**Peak intensity** 10.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



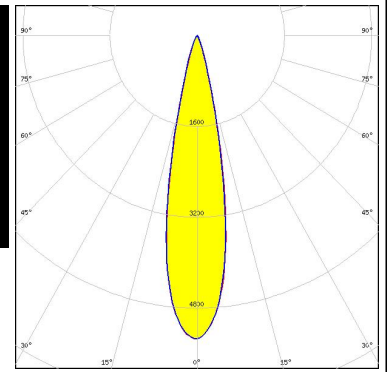
**LED** CMT19xx  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 21.0° / 36.0°  
**Efficiency** 92 %  
**Peak intensity** 5.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



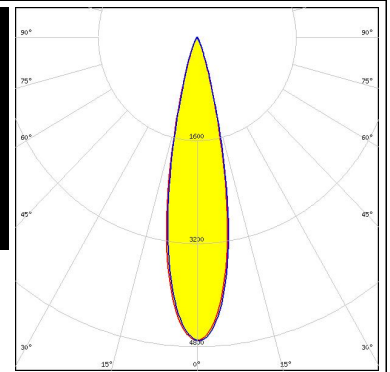
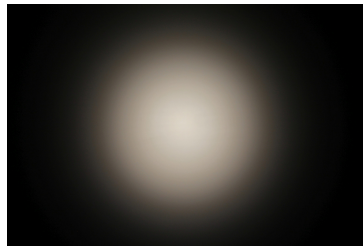
### OPTICAL RESULTS (MEASURED):



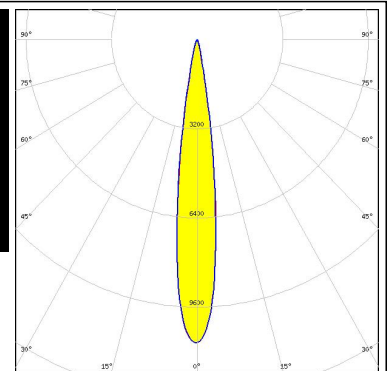
**LED** CMT19xx  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 21.0° / 36.0°  
**Efficiency** 85 %  
**Peak intensity** 5.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



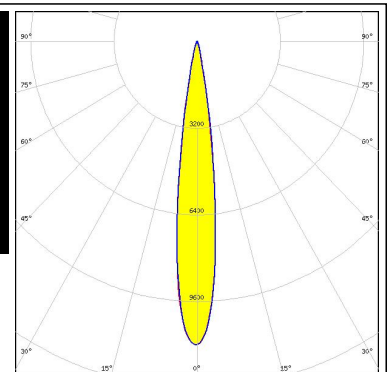
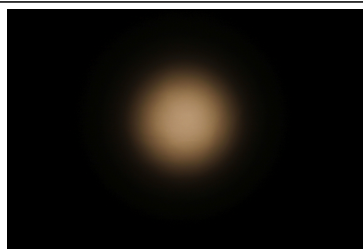
**LED** CMU15xx  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 23.0° / 39.0°  
**Efficiency** 84 %  
**Peak intensity** 4.7 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



**LED** LUXEON CoB 1202/1203  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 14.0° / 24.0°  
**Efficiency** 86 %  
**Peak intensity** 11.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



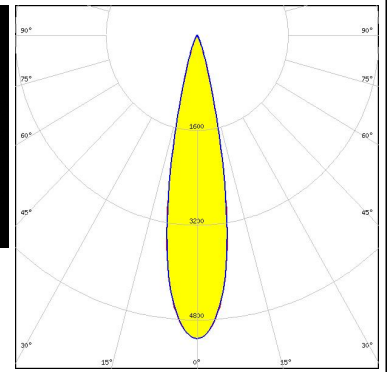
**LED** LUXEON CoB 1202/1203  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 14.0° / 24.0°  
**Efficiency** 92 %  
**Peak intensity** 11.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



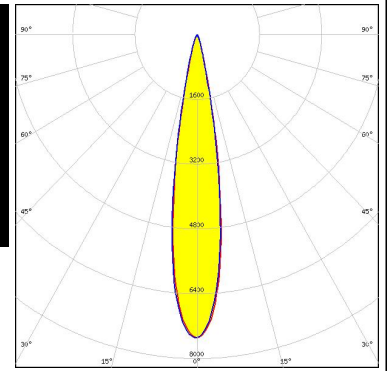
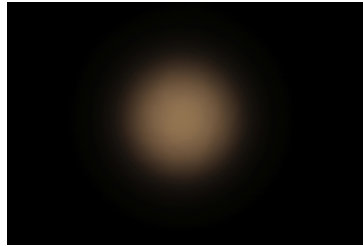
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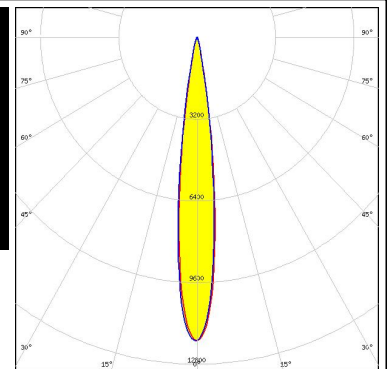
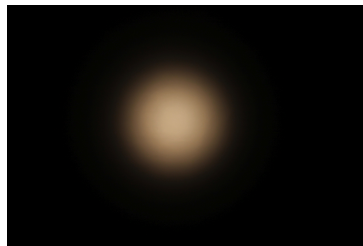
**LED** CTM-14 (Tunable White) Gen2  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 22.0° / 38.0°  
**Efficiency** 85 %  
**Peak intensity** 5.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



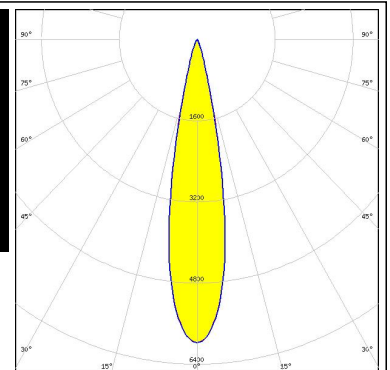
**LED** COB L-Type (LES 11)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 17.0° / 30.0°  
**Efficiency** 86 %  
**Peak intensity** 7.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



**LED** COB L-Type (LES 9)  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 13.0° / 24.0°  
**Efficiency** 92 %  
**Peak intensity** 11.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



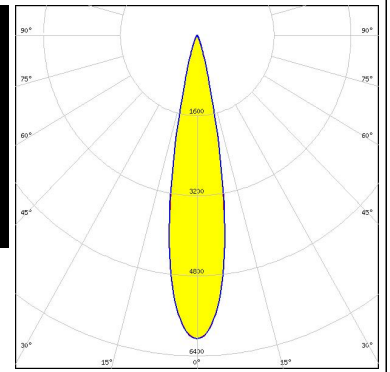
**LED** COB S-Type (LES 7)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 20.0° / 34.0°  
**Efficiency** 85 %  
**Peak intensity** 6.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



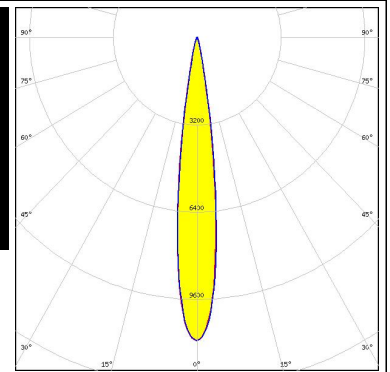
### OPTICAL RESULTS (MEASURED):



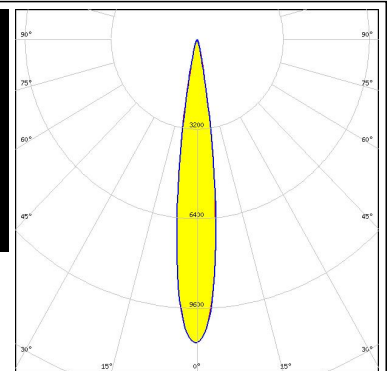
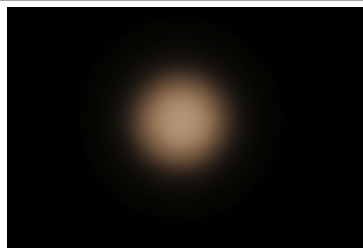
**LED** COB S-Type (LES 7)  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 20.0° / 34.0°  
**Efficiency** 92 %  
**Peak intensity** 6.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



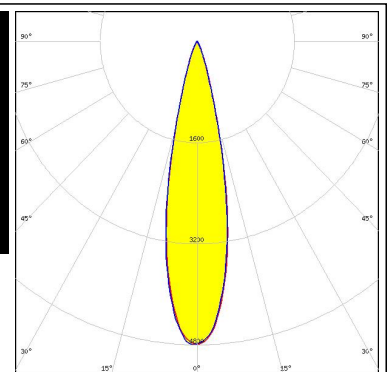
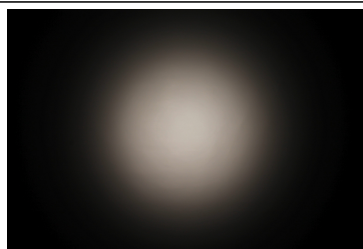
**LED** Fortimo SLM L09 CoB  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 14.0° / 25.0°  
**Efficiency** 92 %  
**Peak intensity** 11.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



**LED** Fortimo SLM L09 CoB  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 14.0° / 25.0°  
**Efficiency** 86 %  
**Peak intensity** 11.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17437\_HEKLA-G2-H



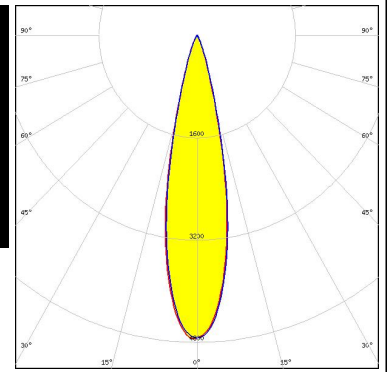
**LED** LC016D / LC019D / LC026D / LC033D  
**Ordering code** CP18775\_YASMEEN-70-S-C2-WHT  
**FWHM / FWTM** 23.0° / 40.0°  
**Efficiency** 92 %  
**Peak intensity** 4.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



### OPTICAL RESULTS (MEASURED):

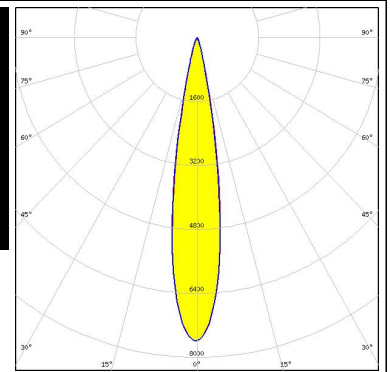
#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 23.0° / 39.0°  
 Efficiency 85 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



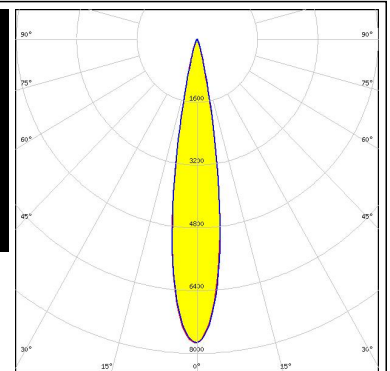
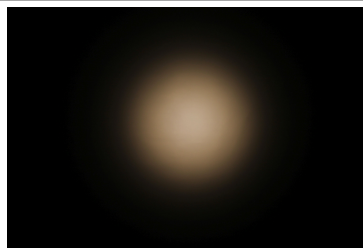
#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I

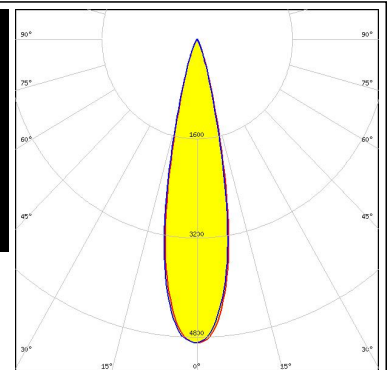
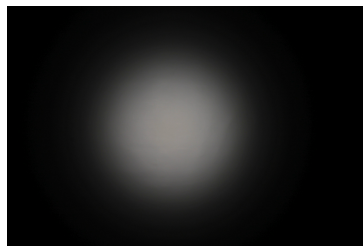


#### SAMSUNG

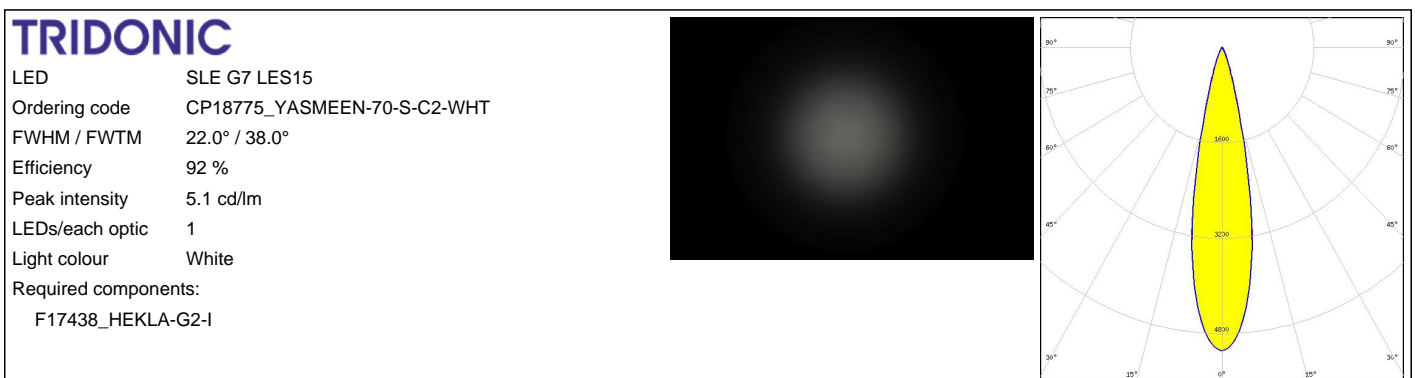
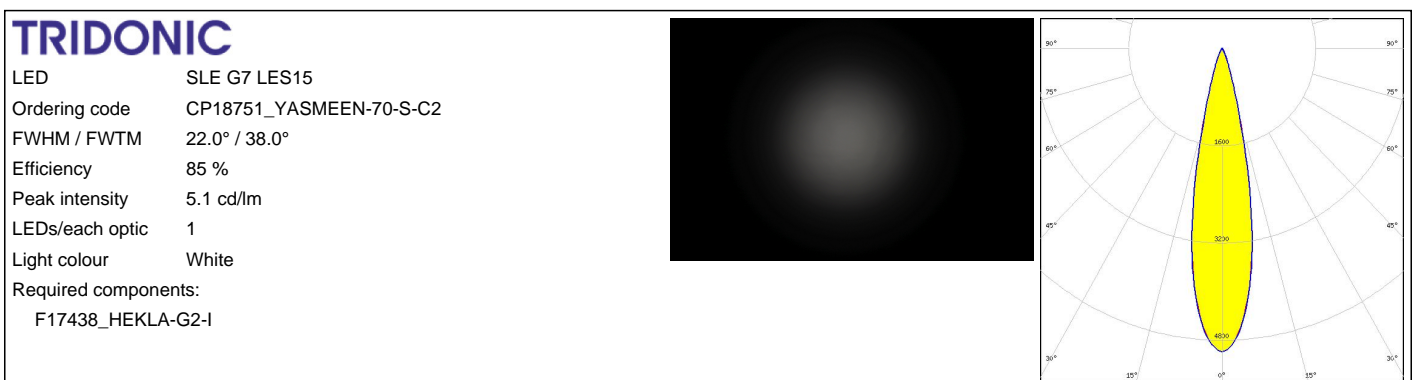
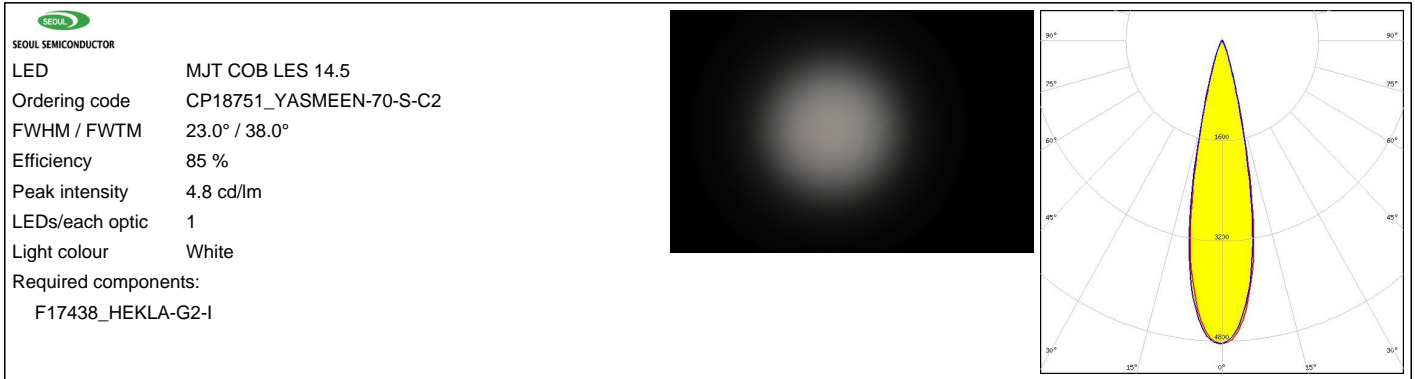
LED LC030C/040C G2  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 92 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



LED MJT COB LES 14.5  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 23.0° / 39.0°  
 Efficiency 92 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



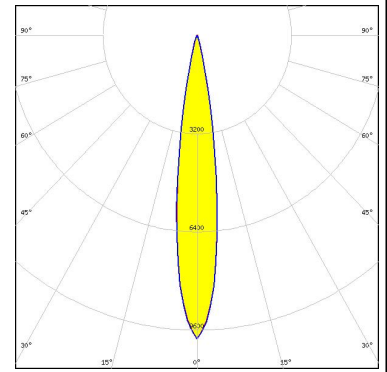
### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (SIMULATED):

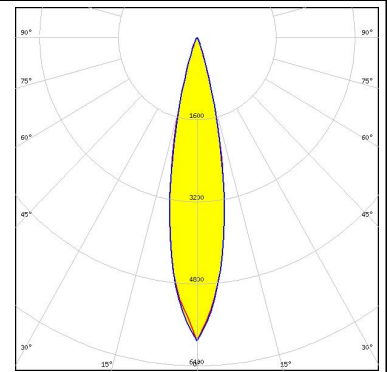
bridgelux.

LED V10 Gen 8-9  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 88 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1020



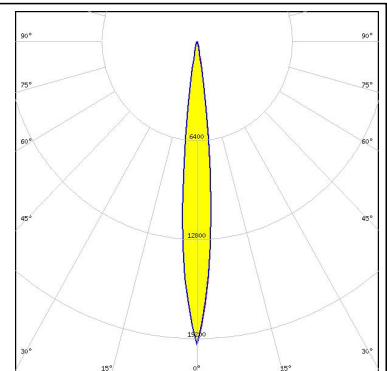
bridgelux.

LED V13 Gen7  
 Ordering code C17238\_YASMEEN-70-S  
 FWHM / FWTM 22.0° / 36.0°  
 Efficiency 90 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



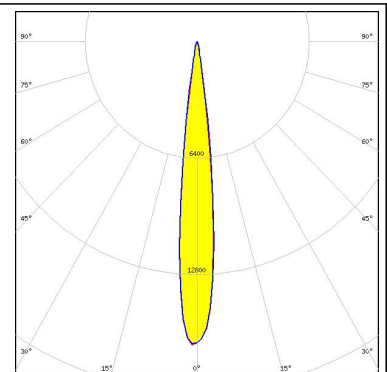
bridgelux.

LED V3 HD Gen 8  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 91 %  
 Peak intensity 19.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



bridgelux.

LED V3 HD Gen 8 FC  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 16.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

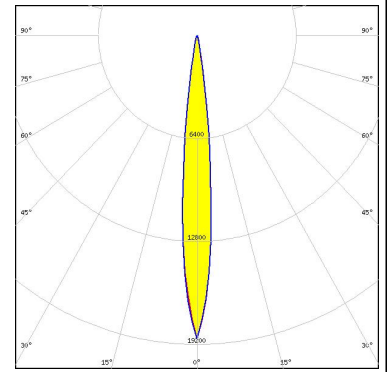




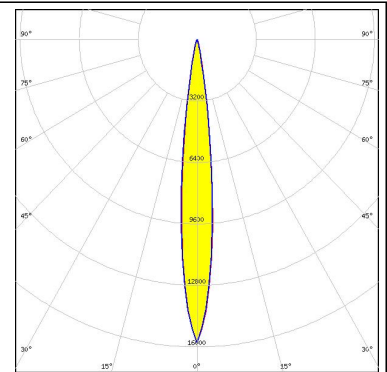
### OPTICAL RESULTS (SIMULATED):



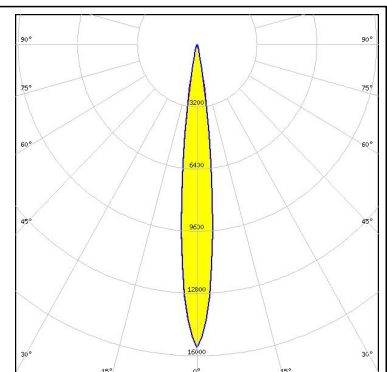
**LED** V4 HD Gen 8  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 20.0°  
**Efficiency** 91 %  
**Peak intensity** 18.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A



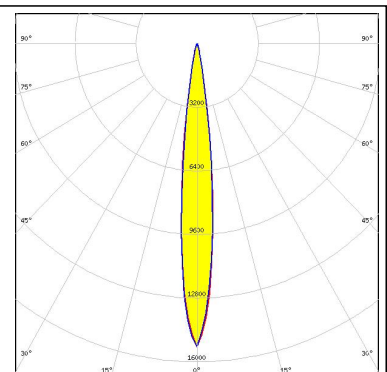
**LED** V6 Gen 8-9  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 91 %  
**Peak intensity** 15.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A



**LED** V6 HD Gen 7  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 89 %  
**Peak intensity** 15.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



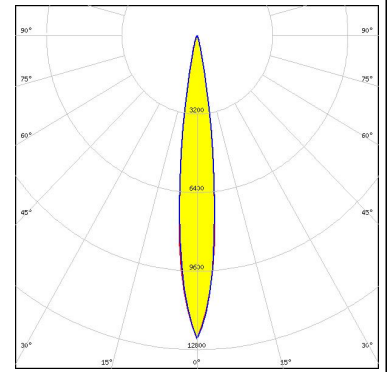
**LED** V6 HD Gen 8  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 90 %  
**Peak intensity** 15.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



### OPTICAL RESULTS (SIMULATED):

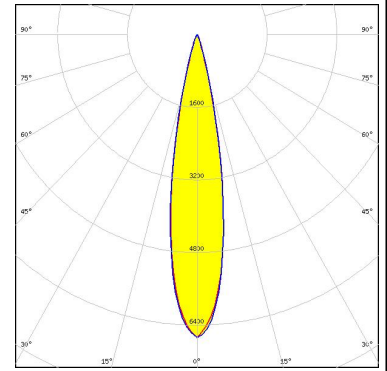
bridgelux

LED V9 HD Gen 8  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 12.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



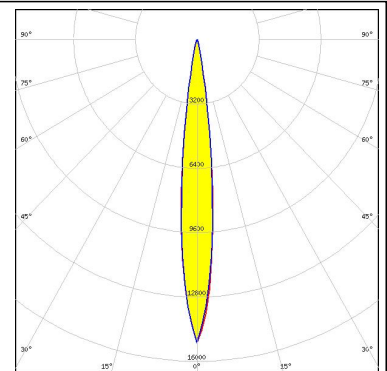
bridgelux

LED VERO13  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 20.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



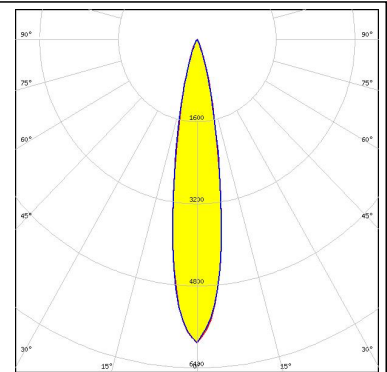
bridgelux

LED Vesta DTW 6mm  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 89 %  
 Peak intensity 15.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 652b Hekla



bridgelux

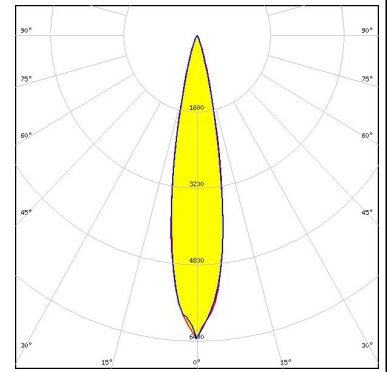
LED Vesta SE 13mm TW  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 18.0° / 37.0°  
 Efficiency 82 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



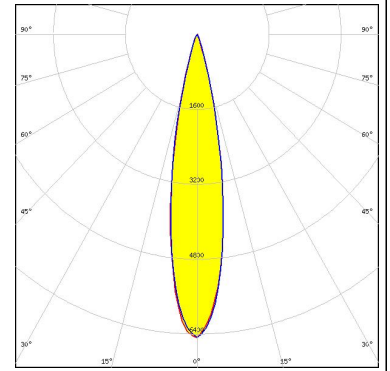
### OPTICAL RESULTS (SIMULATED):



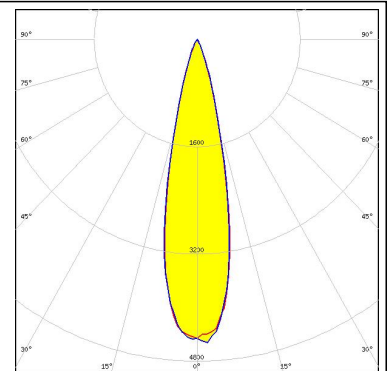
**LED** Vesta TW 13mm (18W) DP  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 20.0° / 35.0°  
**Efficiency** 86 %  
**Peak intensity** 6.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 492 Typ L8



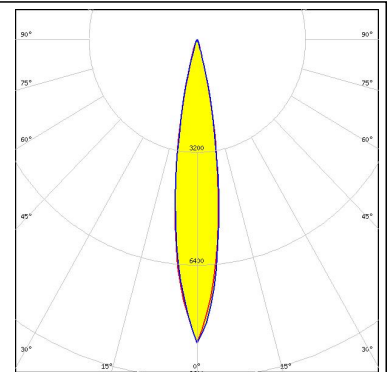
**LED** Vesta TW 13mm (25W) CSP  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 20.0° / 34.0°  
**Efficiency** 90 %  
**Peak intensity** 6.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



**LED** Vesta TW 15mm DP  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 24.0° / 42.0°  
**Efficiency** 85 %  
**Peak intensity** 4.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 482 Typ L8



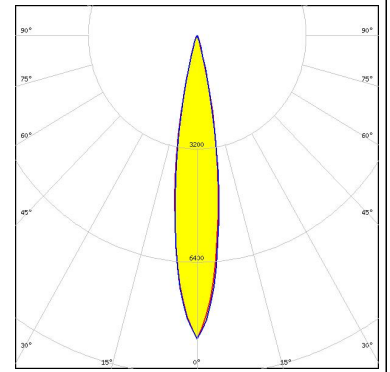
**LED** Vesta TW 9mm (12W) CSP  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 16.0° / 30.0°  
**Efficiency** 90 %  
**Peak intensity** 8.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



### OPTICAL RESULTS (SIMULATED):

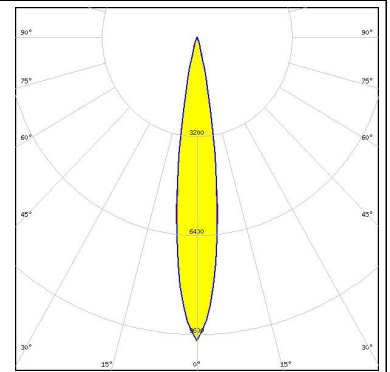


**LED** Vesta TW 9mm (9W) DP  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 17.0° / 31.0°  
**Efficiency** 90 %  
**Peak intensity** 8.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 489 Typ L8



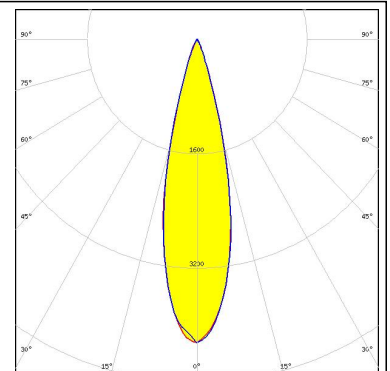
### CITIZEN

**LED** CLL02x/CLU02x (LES10)  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 88 %  
**Peak intensity** 9.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.360.1020



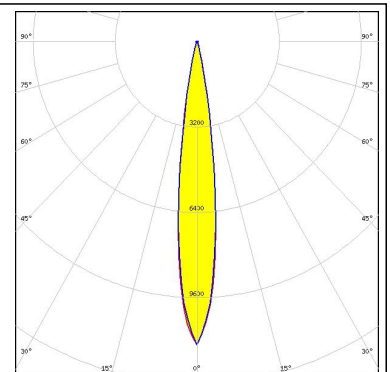
### CITIZEN

**LED** CLU03Q Type-F  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 26.0° / 42.0°  
**Efficiency** 86 %  
**Peak intensity** 4.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



### CITIZEN

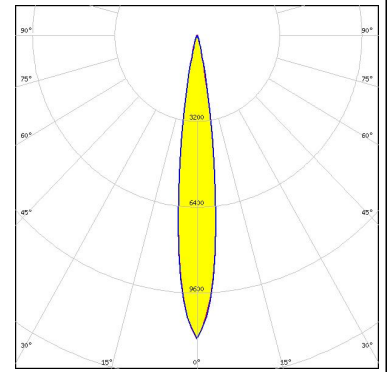
**LED** CLU712/713  
**FWHM / FWTM** 14.0° / 26.0°  
**Efficiency** 94 %  
**Peak intensity** 11.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



### OPTICAL RESULTS (SIMULATED):

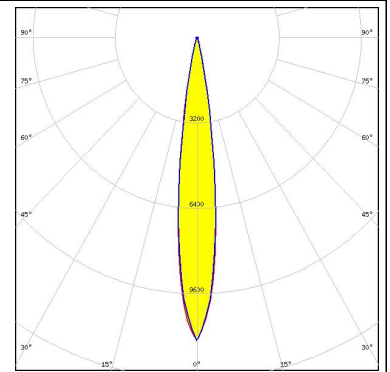
#### CITIZEN

LED CLU712/713  
 Ordering code CP18775\_YASMEEN-70-S-C2-WHT  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 93 %  
 Peak intensity 11.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



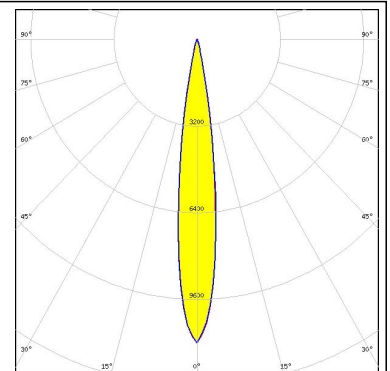
#### CITIZEN

LED CLU712/713  
 Ordering code C17238\_YASMEEN-70-S  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 94 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



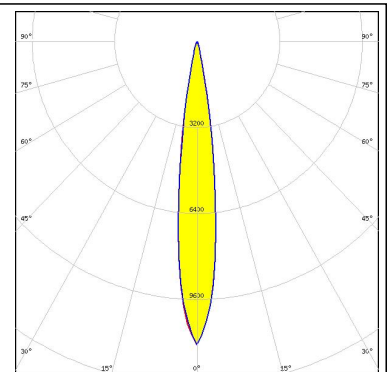
#### CITIZEN

LED CLU712/713  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 11.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1010



#### CITIZEN

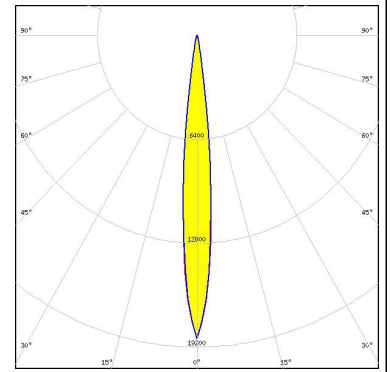
LED CLU712/713  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 11.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17438\_HEKLA-G2-I



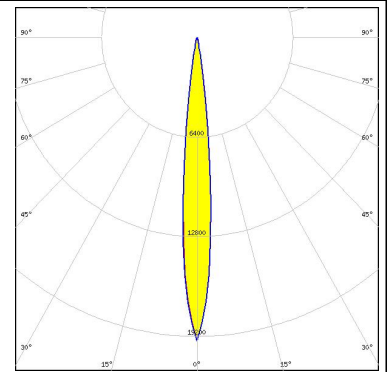
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

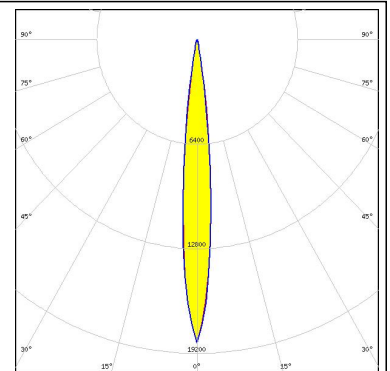
LED CLU7A2/7A3  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 18.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1020



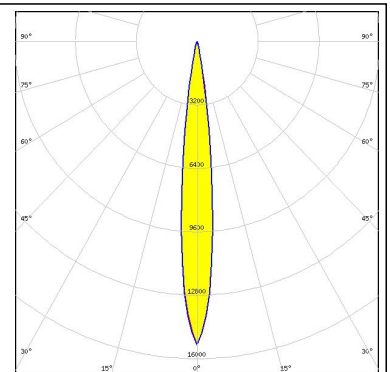
LED CHA0304  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 19.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



LED CHA0410  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 18.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



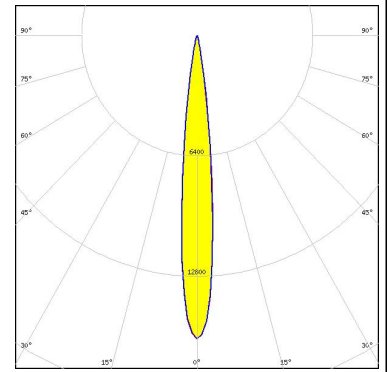
LED CHA0612  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 88 %  
 Peak intensity 15.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F17435\_HEKLA-G2-C



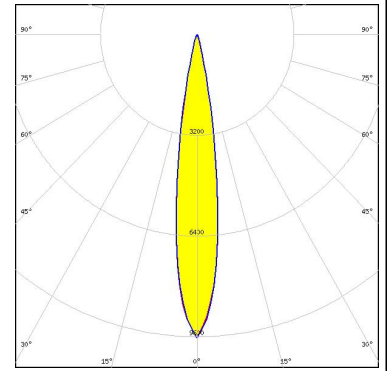
### OPTICAL RESULTS (SIMULATED):



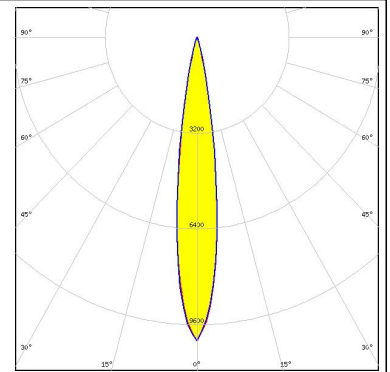
**LED** CMA1306  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 88 %  
**Peak intensity** 16.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



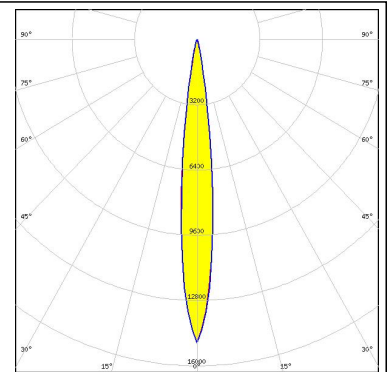
**LED** CMU10xx  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 87 %  
**Peak intensity** 9.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



**LED** CMU10xx  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 89 %  
**Peak intensity** 10.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.360.1020



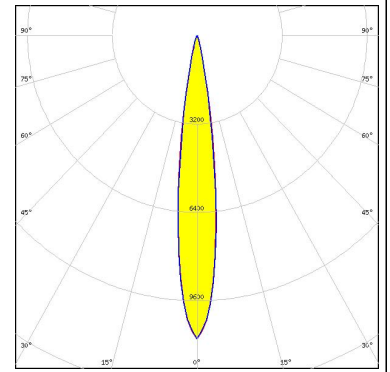
**LED** CXA/B 13xx  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 88 %  
**Peak intensity** 14.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17439\_HEKLA-G2-J



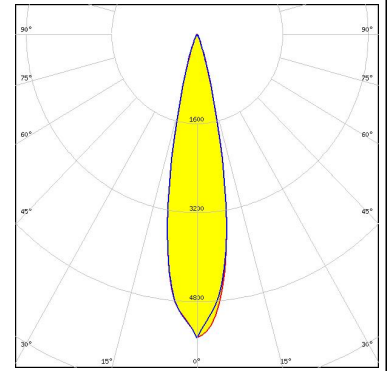
### OPTICAL RESULTS (SIMULATED):



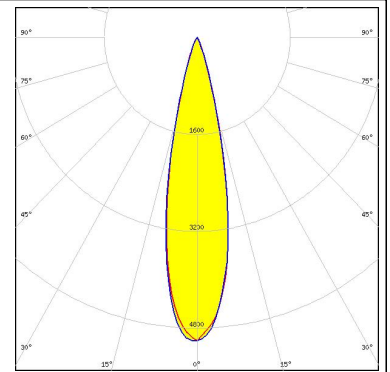
LED CXA/B 15xx  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 87 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17436\_HEKLA-G2-D



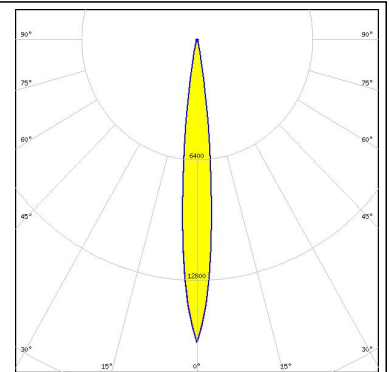
LED CXA/B 1830  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 22.0° / 36.0°  
Efficiency 87 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 637b Hekla



LED LUXEON CX Plus CoB L08 (Gen2)  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 24.0° / 40.0°  
Efficiency 88 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 637a Hekla



LED LUXEON 7070  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 16.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

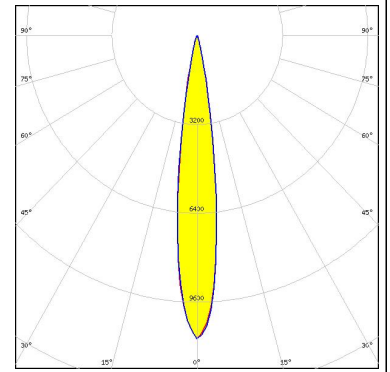




### OPTICAL RESULTS (SIMULATED):

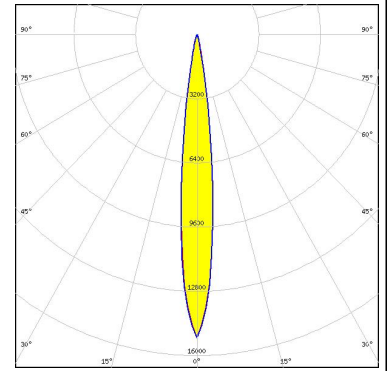
#### LUMILEDS

LED LUXEON CoB 1202/1203  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



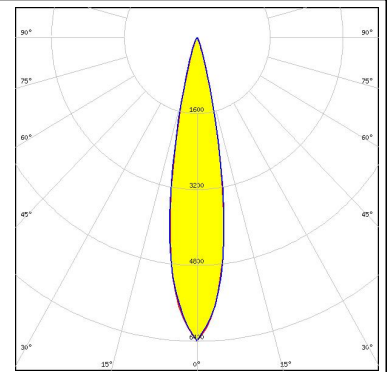
#### LUMILEDS

LED LUXEON CoB 1202HD  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 91 %  
 Peak intensity 15.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



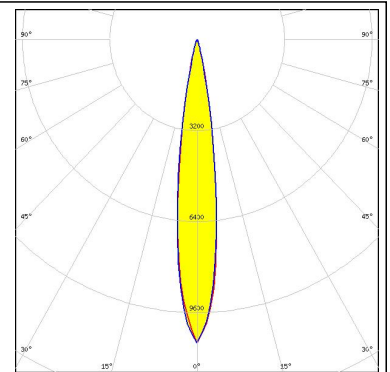
#### LUMILEDS

LED LUXEON CoB 1204/1205  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 20.0° / 34.0°  
 Efficiency 88 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



#### LUMILEDS

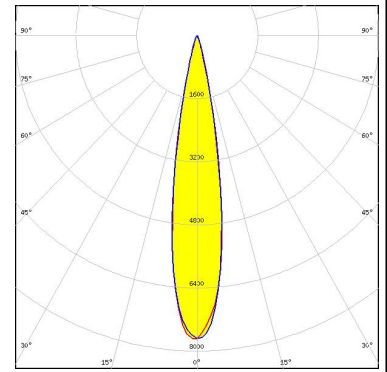
LED LUXEON CoB 1204HD  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 16.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 10.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



### OPTICAL RESULTS (SIMULATED):

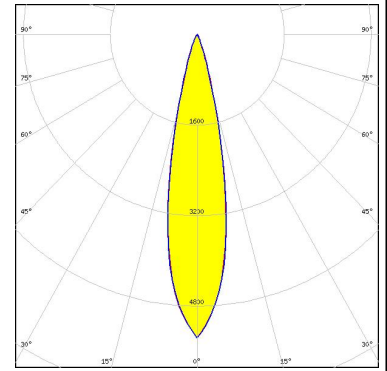
#### LUMILEDS

LED LUXEON CoB 1205HD  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 18.0° / 33.0°  
 Efficiency 88 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



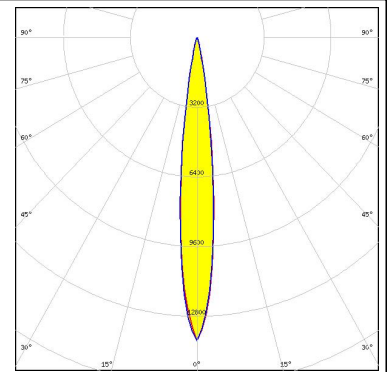
#### LUMILEDS

LED LUXEON CoB 1208  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 22.0° / 38.0°  
 Efficiency 88 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 632a Hekla XL



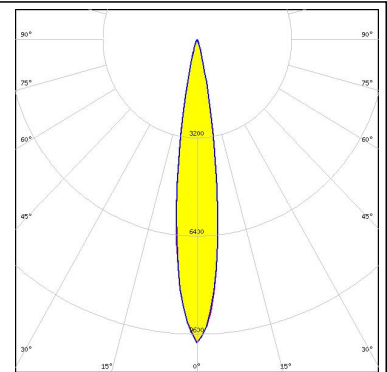
#### LUMILEDS

LED LUXEON CX Plus CoB - HD S02H6  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 13.0° / 24.0°  
 Efficiency 90 %  
 Peak intensity 13.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Bayonet35L



#### LUMILEDS

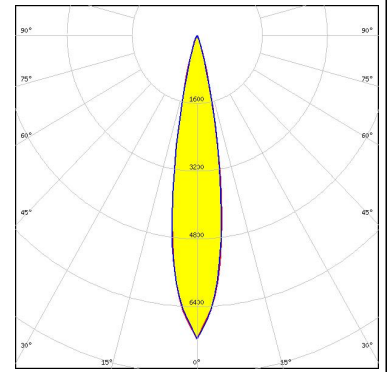
LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 90 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634a Bayonet35L



### OPTICAL RESULTS (SIMULATED):

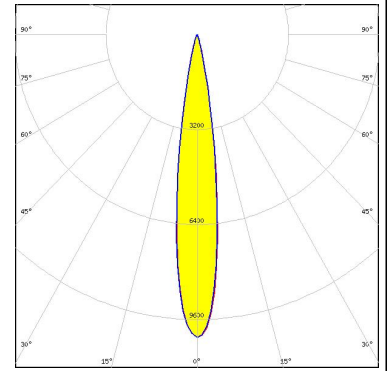
#### LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



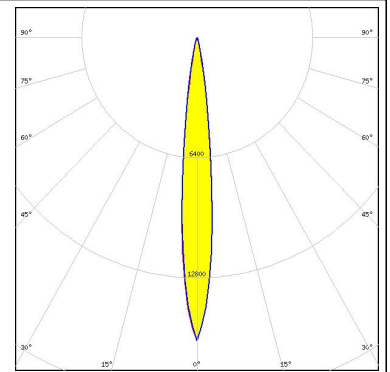
#### LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 90 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



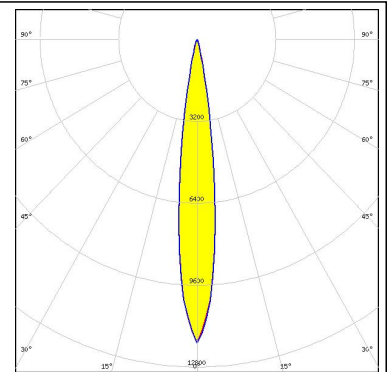
#### LUMILEDS

LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 91 %  
 Peak intensity 16.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



#### LUMINUS

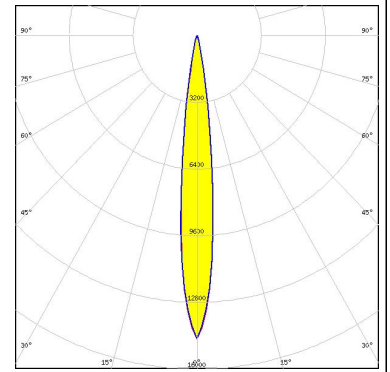
LED CHM-9 XH (19x19)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



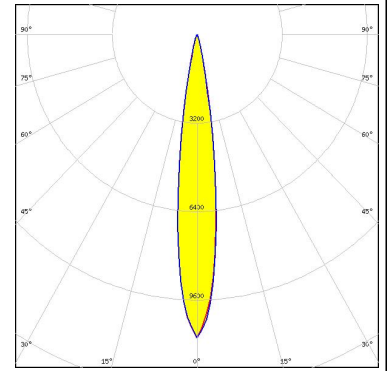
### OPTICAL RESULTS (SIMULATED):



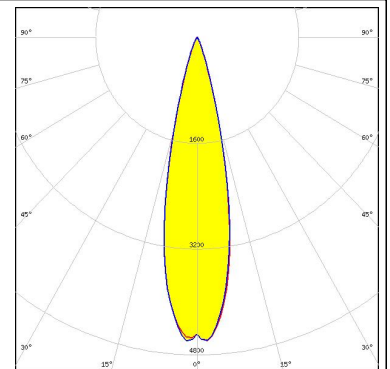
**LED** CTM-6 (Tunable White) Gen2  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 87 %  
**Peak intensity** 14.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 495 Typ L8



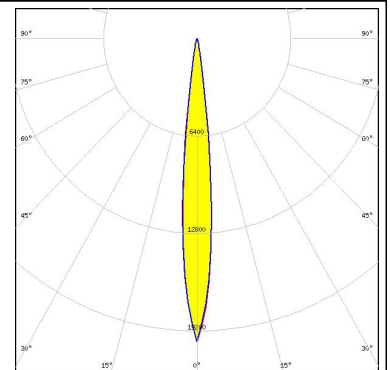
**LED** CTM-9 (Tunable White) Gen2  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 14.0° / 26.0°  
**Efficiency** 87 %  
**Peak intensity** 11 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 495 Typ L8



**LED** CxM-14 (18.5x18.5)  
**FWHM / FWTM** 24.0° / 40.0°  
**Efficiency** 86 %  
**Peak intensity** 4.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17438\_HEKLA-G2-I



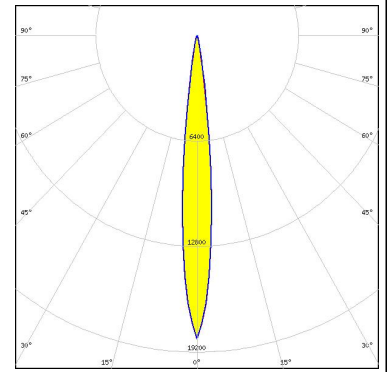
**LED** CXM-3  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 12.0° / 20.0°  
**Efficiency** 91 %  
**Peak intensity** 19.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 634a Bayonet35L



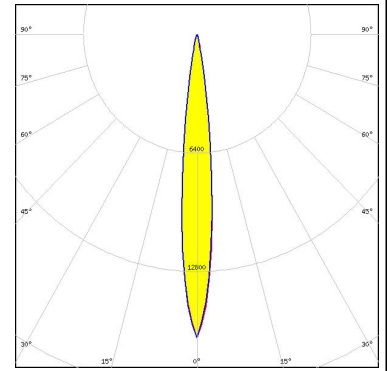
### OPTICAL RESULTS (SIMULATED):



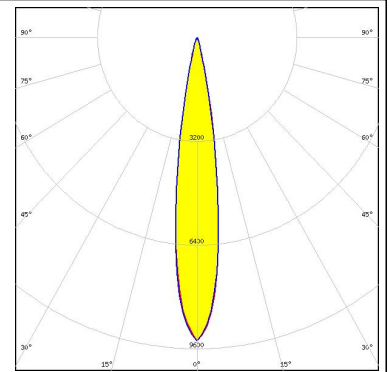
**LED** CXM-4  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 12.0° / 20.0°  
**Efficiency** 90 %  
**Peak intensity** 18.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 634a Bayonet35L



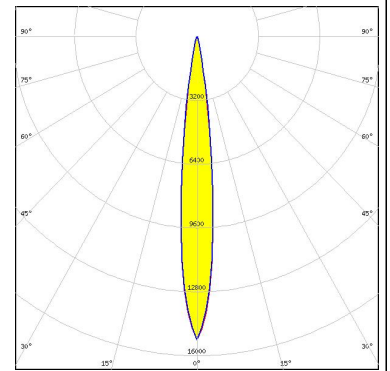
**LED** CxM-6 (13.5x13.5)  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 90 %  
**Peak intensity** 16.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.360.1020



**LED** CxM-9 (13.5x13.5)  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 87 %  
**Peak intensity** 9.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



**LED** COB S-Type (LES 6)  
**Ordering code** CP18768\_YASMEEN-70-S-B2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 90 %  
**Peak intensity** 15.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 652a Bayonet35L



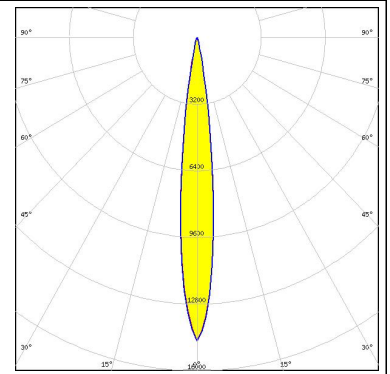
### OPTICAL RESULTS (SIMULATED):



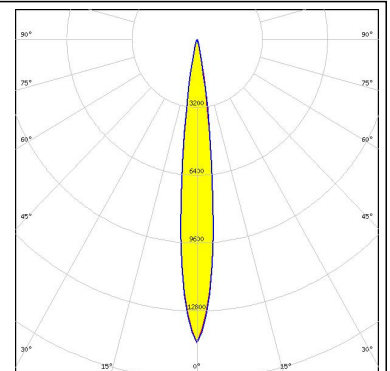
LED COB S-Type (LES 7)  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 90 %  
Peak intensity 14 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 652a Bayonet35L



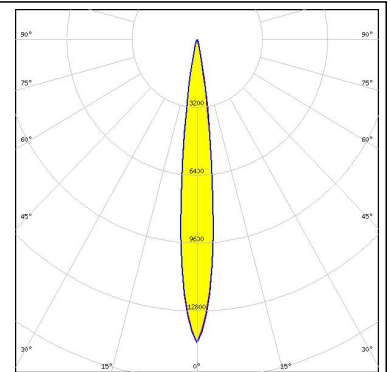
LED COB T-Type  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 90 %  
Peak intensity 14.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 652a Bayonet35L



LED NJCWL024Z-V1MT: COB L-Type Tunable White  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 87 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 497 Typ L8 HV



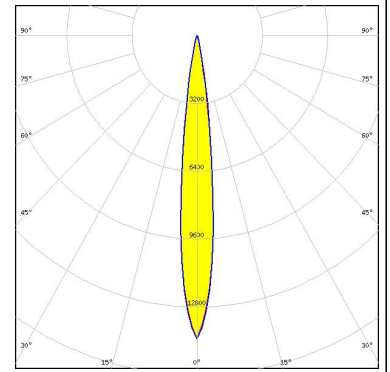
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 87 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 497 Typ L8 HV



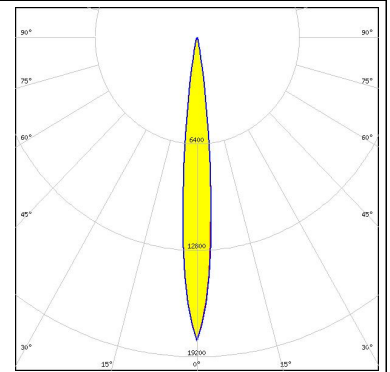
### OPTICAL RESULTS (SIMULATED):



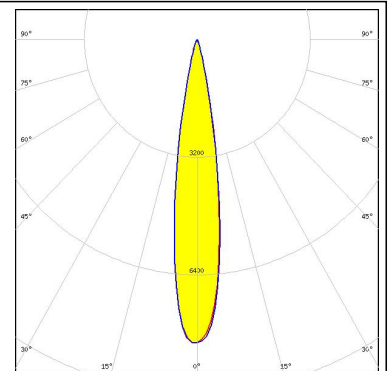
**LED** NJCWL024Z-V1MT: COB L-Type Tunable White  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 87 %  
**Peak intensity** 14.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 497 Typ L8 HV



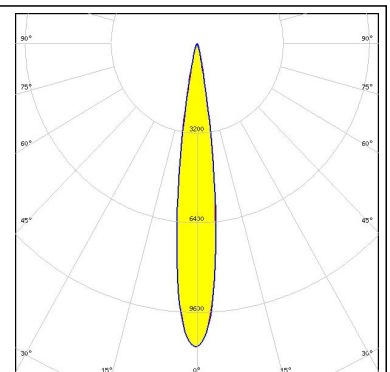
**LED** NJNWS012Z-V1MT: COB S-Type Tunable White  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 10.0° / 20.0°  
**Efficiency** 87 %  
**Peak intensity** 18.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 495 Typ L8 HV



**LED** NVCWJ024Z-V1MT: COB J-Type Tunable White  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 18.0° / 30.0°  
**Efficiency** 87 %  
**Peak intensity** 8.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 498 Typ L8 HV



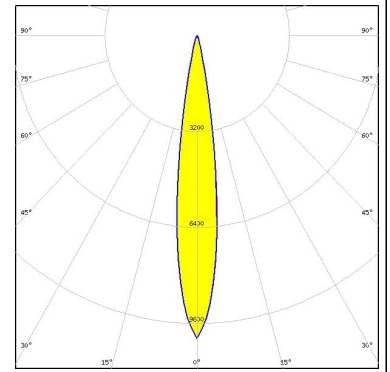
**LED** Fortimo SLM L09 CoB  
**Ordering code** CP18751\_YASMEEN-70-S-C2  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 88 %  
**Peak intensity** 10 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F17435\_HEKLA-G2-C



## OPTICAL RESULTS (SIMULATED):

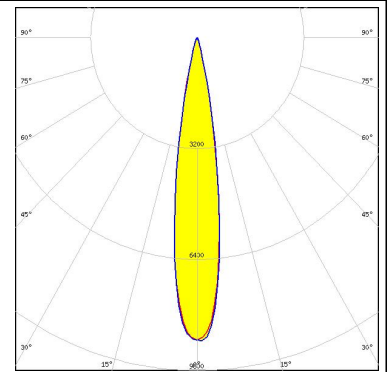
### PHILIPS

LED Fortimo SLM L13 CoB  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 16.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 632a Hekla XL



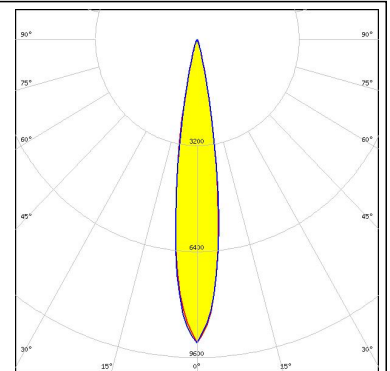
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 16.0° / 28.0°  
Efficiency 87 %  
Peak intensity 8.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



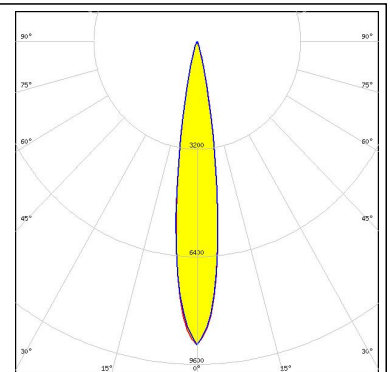
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 16.0° / 28.0°  
Efficiency 87 %  
Peak intensity 9.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F17435\_HEKLA-G2-C



### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 16.0° / 29.0°  
Efficiency 85 %  
Peak intensity 9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.360.1020

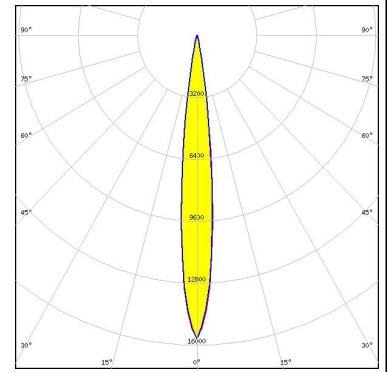




### OPTICAL RESULTS (SIMULATED):

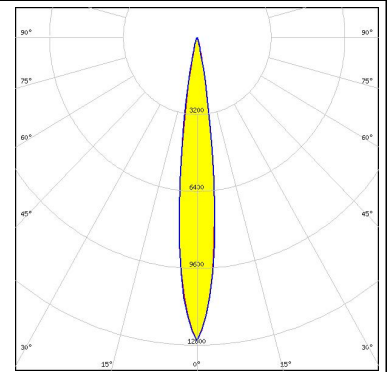
#### SAMSUNG

LED LC010C G2  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 89 %  
Peak intensity 15.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.360.1020



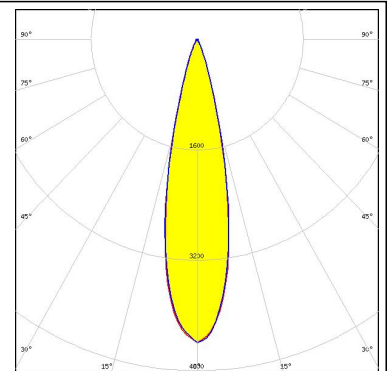
#### SAMSUNG

LED LC010T (Tunable White)  
Ordering code CP18751\_YASMEEN-70-S-C2  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 87 %  
Peak intensity 12.6 cd/lm  
LEDs/each optic 1  
Light colour Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 501 Typ L8



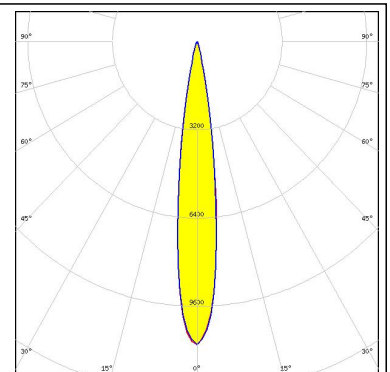
#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 85 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.360.1010



#### SAMSUNG

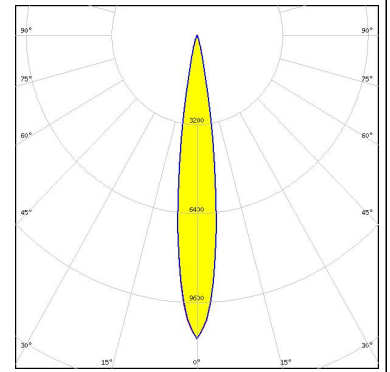
LED LC020C G2  
Ordering code CP18768\_YASMEEN-70-S-B2  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 88 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
BJB: 47.360.1010



### OPTICAL RESULTS (SIMULATED):

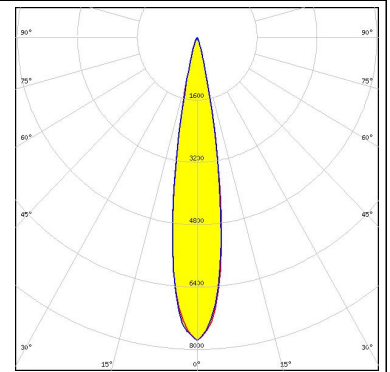
#### SAMSUNG

LED LC020C G2  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1010



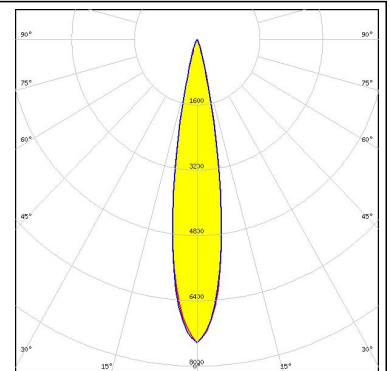
#### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP18751\_YASMEEN-70-S-C2  
 FWHM / FWTM 18.0° / 30.0°  
 Efficiency 87 %  
 Peak intensity 7.8 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



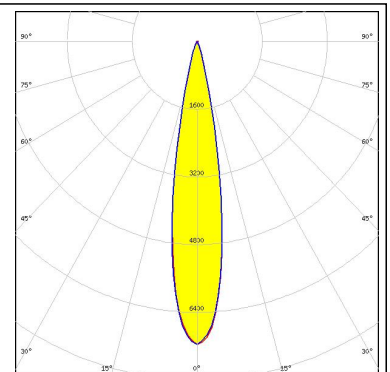
#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1010

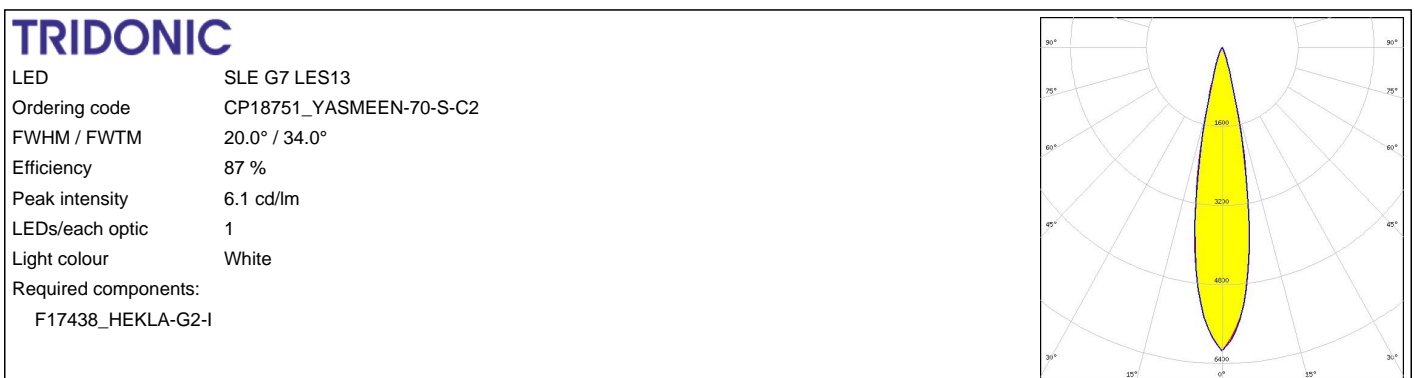
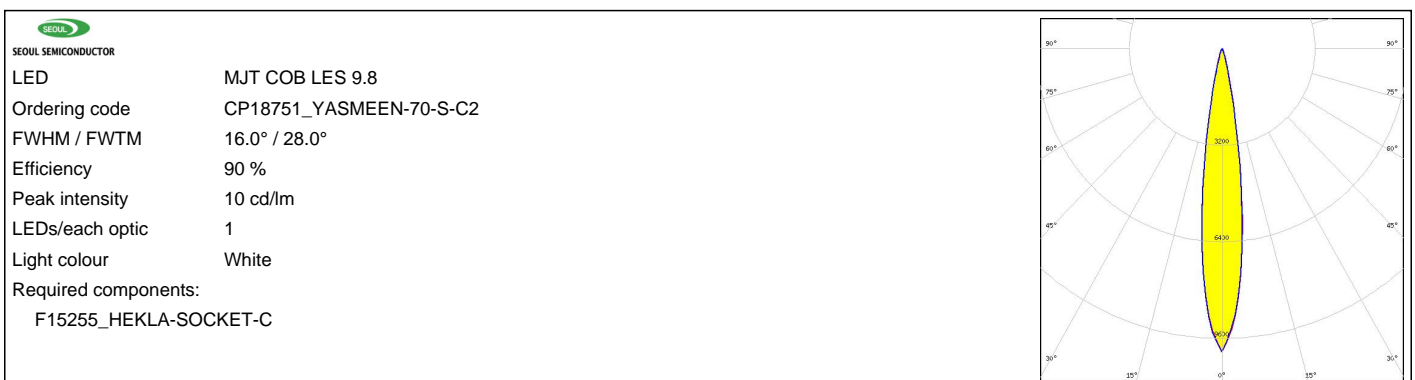


#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP18768\_YASMEEN-70-S-B2  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 88 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.360.1010



### OPTICAL RESULTS (SIMULATED):



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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