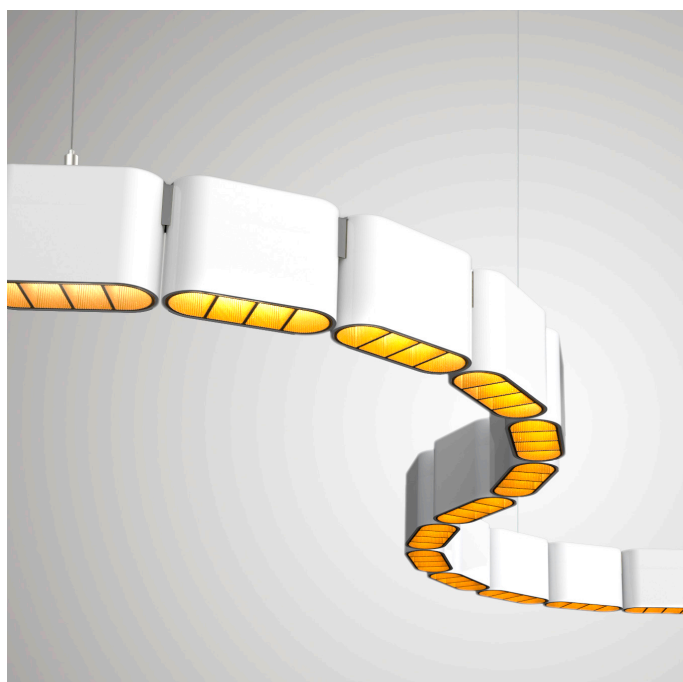


## Centura 40 IP20

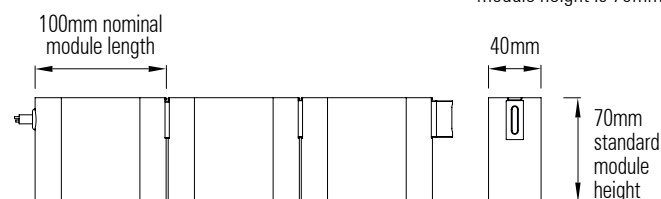
Flexible modular LED pendant lighting system

Down light - 2 or 4 x high power LEDs with lenses per module



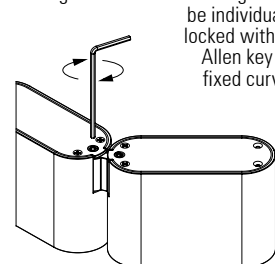
Custom lengths up to 2.5 Mtrs based on a nominal 100mm module length

Custom module heights can be specified. The standard (minimum) module height is 70mm

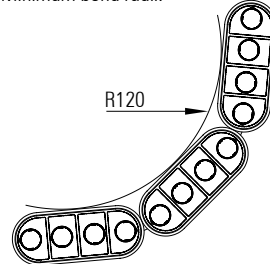


Locking detail:

Linkages can be individually locked with an Allen key for fixed curves



Minimum bend radii:



### Down light - 2 or 4 x high power LEDs with lenses per module

Modular flexible LED pendant lighting system IP20 - Down light

#### Product description:

Centura has an articulated linkage-joint system between modules allowing for flexibility along the major axis. This innovative modular design offers the flexibility to follow curved surfaces, encircle columns and domes, and to make irregular shaped pendants, all whilst offering excellent lighting control and uniformity. This versatility offers the ability for use in a wide range of application areas including architectural, hospitality, leisure and retail.

2 or 4 x Cree XP-E, XP-G or XQ-E LEDs or Osram Oslon LEDs with Ledil Tina2 lenses per module

Up to 5 Watts per 100mm module

30 Volt - 48 Volt DC supply depending on application

Integral LV constant current drivers

Dimming options available: 1 - 10V, DMX and DALI

Various LED colour temperature and DALI options available

Decorative anti-glare louvred snoots with custom powder coat or anodized finishes to order. The interior louvre finish can be different from the outer body finish

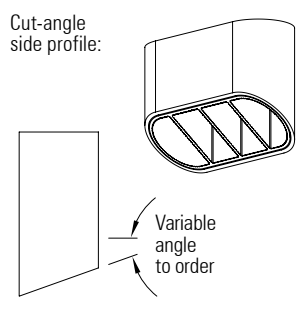
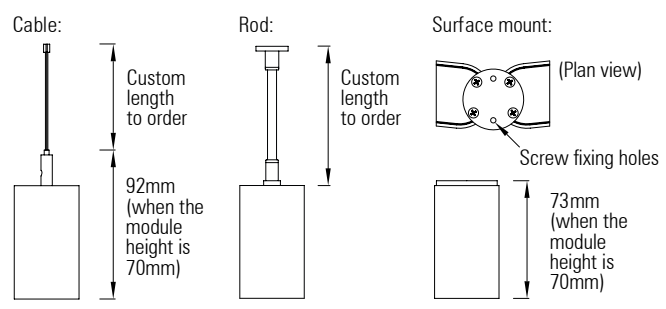
Body - Satin black, satin white or any RAL powder coat or anodized finish

Louvre - Satin black or any RAL powder coat or anodized finish

Custom lengths based on a 100mm module up to 2.5 Mtrs

Rod, cable or surface mount options. Custom solutions are also available

\* RGB, RGBW, RGBA and Dynamic-white options do not use a colour mixing lens. See Centura 60 IP20 data sheets for versions with colour-blending Gaggione lenses.



Up to 3,500 Lumens per Mtr

Product Code	No. of LEDs per mtr.	IP	Length (mm)	LED Type	CRI	Colour Temp. (K)	Optics	Mounting Type	Cut angle(°)	Finish
RAD CENTURA 40 FLEXIBLE DOWN IP20	40 x LEDs per Mtr: 25mm pitch	20	100mm to 2,500mm	Cree: XP-E XP-G XQ-E  Osram: Oslon	Cree: 80 90  Osram: 95	27=2,700k 30=3,000k 35=3,500k 40=4,000k 45=4,500k 50=5,000k * RGB * RGBW * RGBA * Dynamic white	Ledil Tina2:  N, M, W, E, Diffused spot  (See attached Ledil data sheets)	Steel Cable  Fixed rod  Surface mount	0° - 75°  Available in 5 degree increments	Body: Any powder coat or anodized finish
	20 x LEDs per Mtr: 50mm pitch									Louvre: Any powder coat or anodized finish

## TINA2-RS

~14° spot beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.1 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



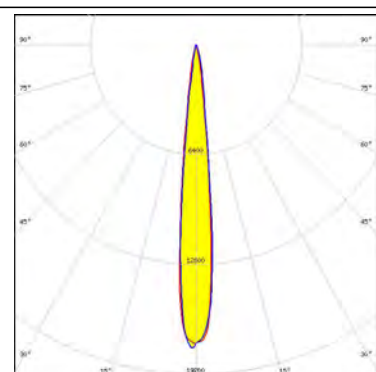
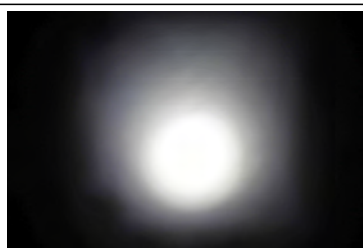
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-RS	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

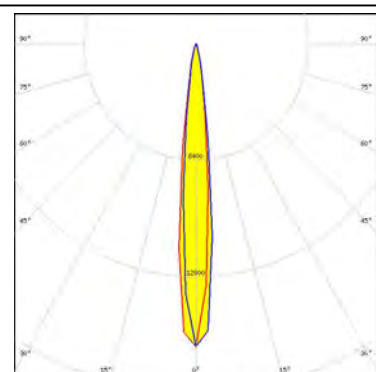
### PHOTOMETRIC DATA (MEASURED):



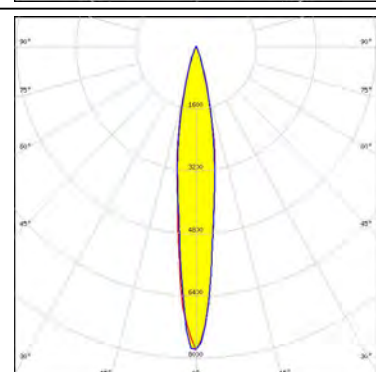
LED XP-E  
FWHM 11.0°  
Efficiency 90 %  
Peak intensity 17.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



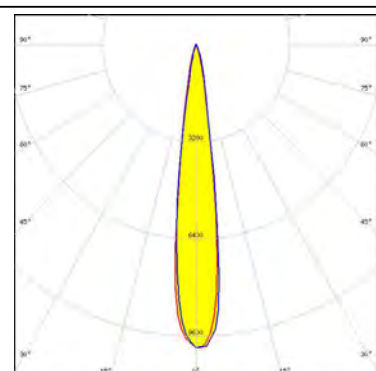
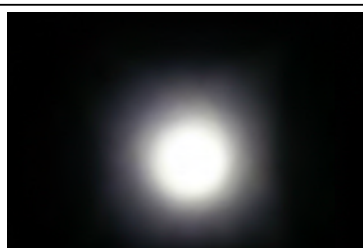
LED XP-E2  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 16.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G  
FWHM 15.0°  
Efficiency 93 %  
Peak intensity 9.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G2  
FWHM 15.0°  
Efficiency 91 %  
Peak intensity 10.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## TINA2-M

~30° medium beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.1 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



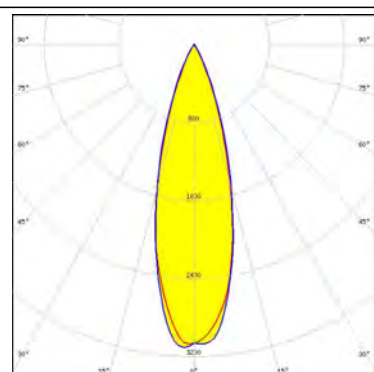
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-M	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

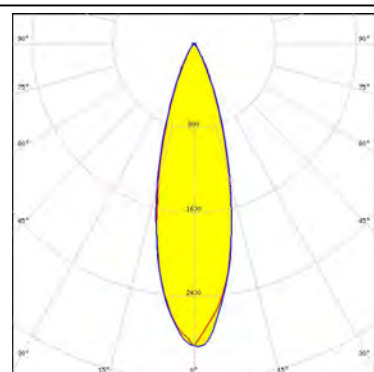
### PHOTOMETRIC DATA (MEASURED):



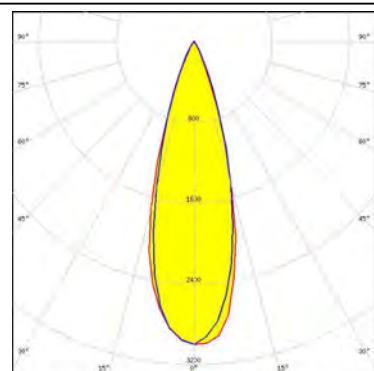
LED XP-E  
FWHM 31.0°  
Efficiency 89 %  
Peak intensity 2.560 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



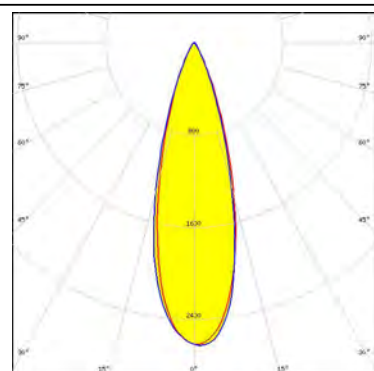
LED XP-E-HEW  
FWHM 30.0°  
Efficiency %  
Peak intensity 2.290 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 3.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



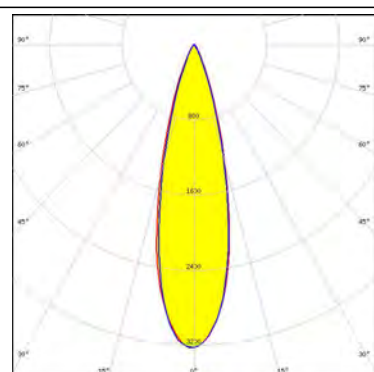
LED XP-G  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



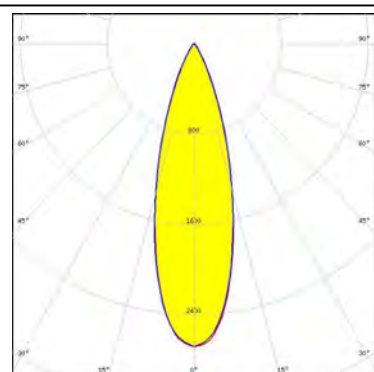
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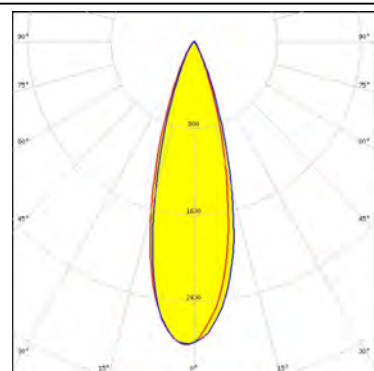
LED XP-G2  
FWHM 26.0°  
Efficiency 84 %  
Peak intensity 3.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



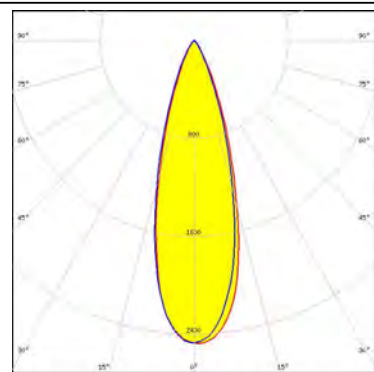
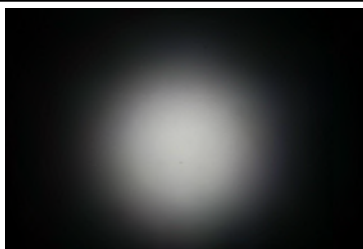
LED XT-E  
FWHM 31.0°  
Efficiency 81 %  
Peak intensity 2.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35B0 (LEMWA32)  
FWHM 30.0°  
Efficiency 86 %  
Peak intensity 2.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35C0 (LEMWA33)  
FWHM 30.0°  
Efficiency 85 %  
Peak intensity 2.550 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





## TINA2-W

~45° wide beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.7 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



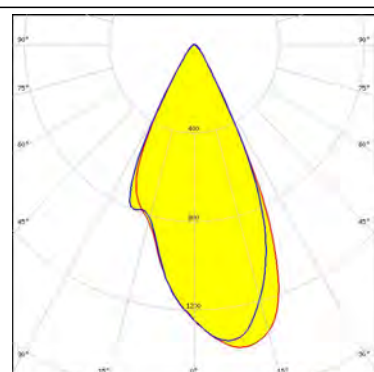
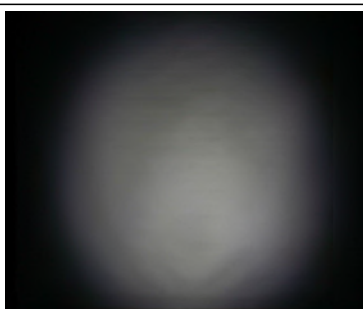
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-W-XP	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

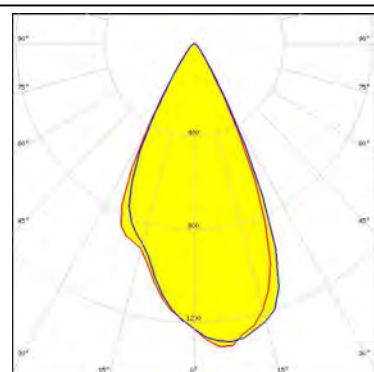
#### PHOTOMETRIC DATA (MEASURED):



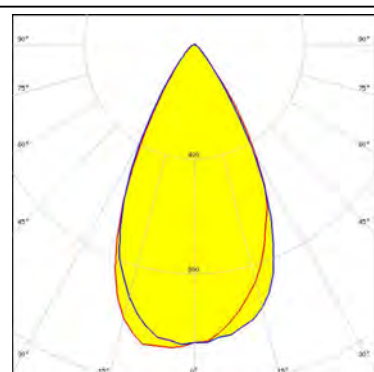
LED XP-E  
FWHM 50.0°  
Efficiency 88 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



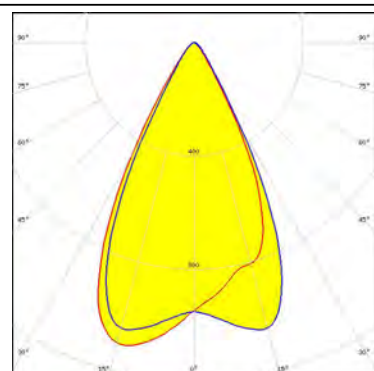
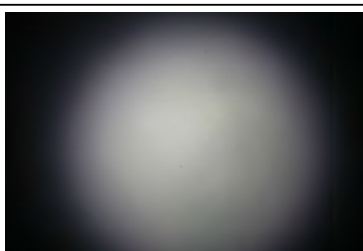
LED XP-E2  
FWHM 52.0°  
Efficiency 89 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G  
FWHM 57.0°  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G2  
FWHM 54.0°  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





## TINA2-O

~35° + 15° oval beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.3 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



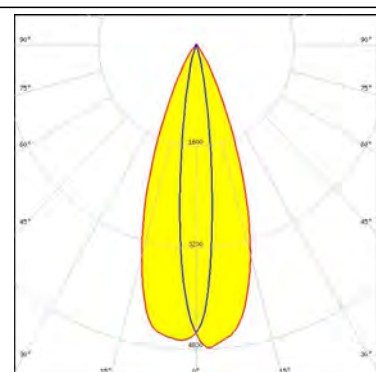
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-O	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

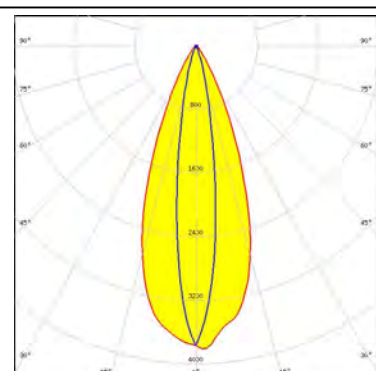
### PHOTOMETRIC DATA (MEASURED):



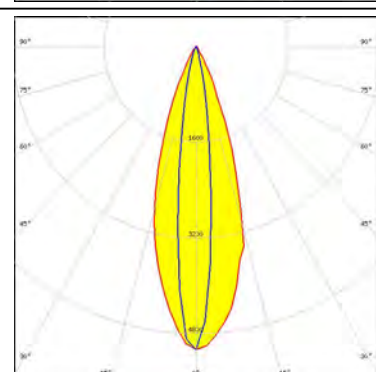
LED XP-E  
FWHM 32.0 + 14.0°  
Efficiency 87 %  
Peak intensity 4.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



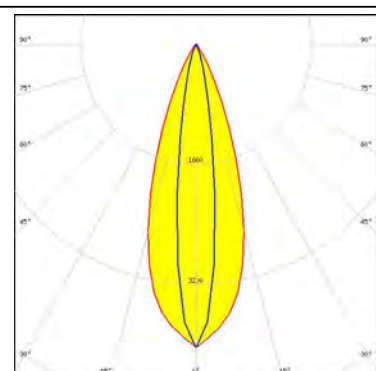
LED XP-E-HEW  
FWHM 34.0 + 16.0°  
Efficiency %  
Peak intensity 3.360 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 34.0 + 14.0°  
Efficiency 86 %  
Peak intensity 5.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



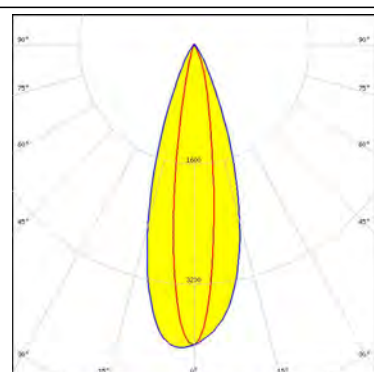
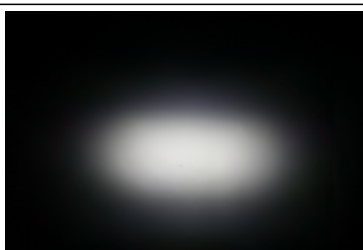
LED XP-G  
FWHM 35.0 + 16.0°  
Efficiency 87 %  
Peak intensity 3.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



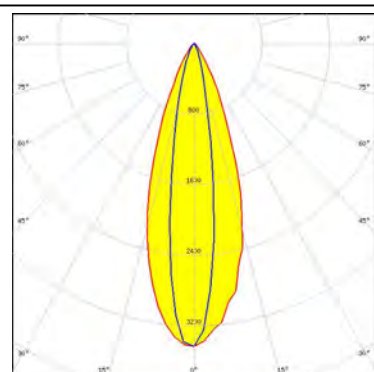
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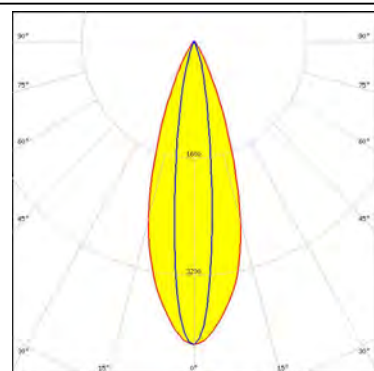
LED XP-G2  
FWHM 34.0 + 16.0°  
Efficiency 87 %  
Peak intensity 4.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



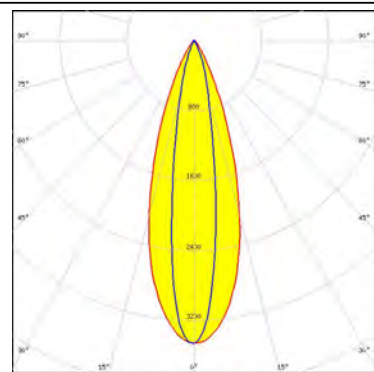
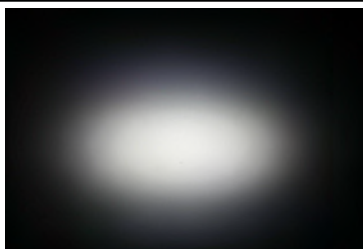
LED XT-E  
FWHM 35.0 + 16.0°  
Efficiency 85 %  
Peak intensity 3.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35B0 (LEMWA32)  
FWHM 35.0 + 15.0°  
Efficiency 86 %  
Peak intensity 4.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35C0 (LEMWA33)  
FWHM 33.0 + 17.0°  
Efficiency 86 %  
Peak intensity 3.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## TINA2-D

~16° diffused spot beam optimized for CREE XP-E. Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.8 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



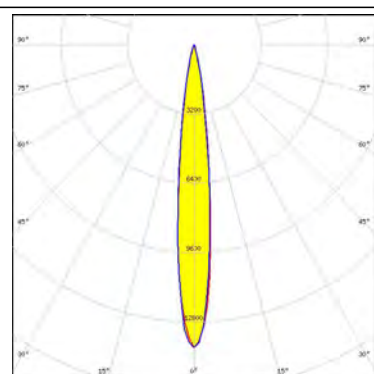
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-D	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

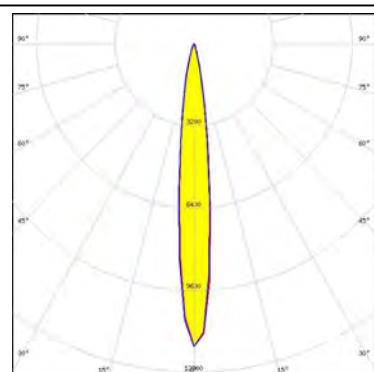
### PHOTOMETRIC DATA (MEASURED):



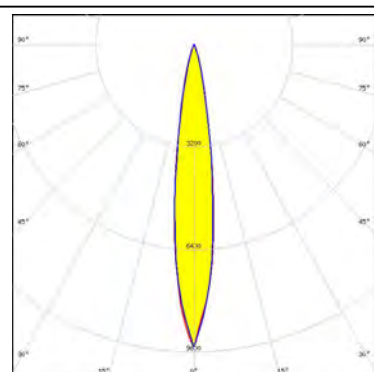
LED XP-E  
FWHM 12.0°  
Efficiency 91 %  
Peak intensity 10.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 13.0°  
Efficiency 86 %  
Peak intensity 11.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G  
FWHM 17.0°  
Efficiency 91 %  
Peak intensity 5.520 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G2  
FWHM 15.0°  
Efficiency 90 %  
Peak intensity 8.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

