TINA2-D

~16° diffused spot beam Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11420_TINA2-D	Single lens	4140	230	230	8.8
» Box size: 451 x 241 x 298 mm					

D   C   B   A

9.66

Bottom view
Scale: 3:1

Isometric view
Scale: 3:1

Acrylic foam tape 0.4mm

Ø16.1

Front view
Scale: 3:1

3.54

3.54

Rear view
Scale: 3:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	
2	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

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THIRD ANGLE PROJECTION:

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DRAWING TITLE
TINA2-XP-series assembly

SIZE	PART NUMBER
A4	-

| SCALE 3:1 | WEIGHT 1,3 g | SHEET 1/1 |

D   A

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E
FWHM / FWTM	12.0° / 26.0°
Efficiency	91 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
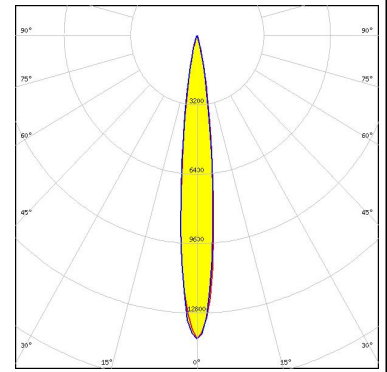
LED	XP-E2
FWHM / FWTM	13.0° / 28.0°
Efficiency	86 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
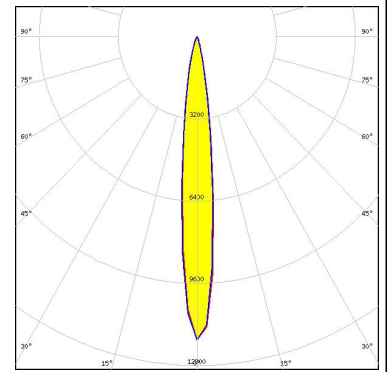
LED	XP-G
FWHM / FWTM	17.0° / 37.0°
Efficiency	91 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
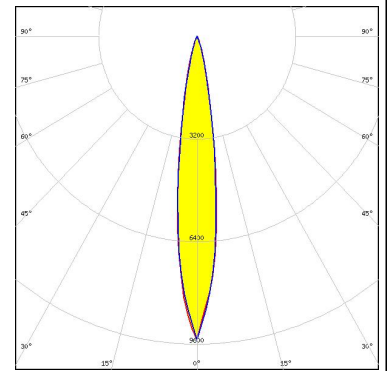
LED	XT-E
FWHM / FWTM	16.0° / 34.0°
Efficiency	%
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
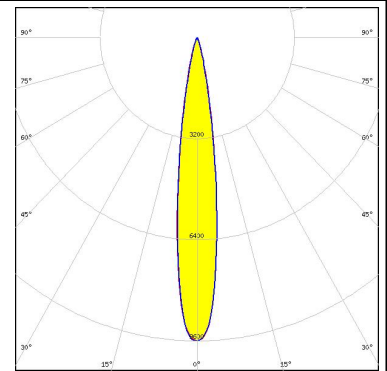
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XD16
FWHM / FWTM	13.0° / 26.0°
Efficiency	87 %
Peak intensity	11.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
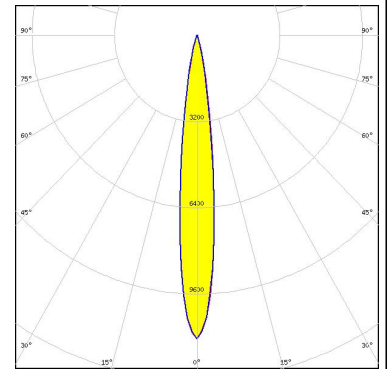
LED	XP-G2 HE
FWHM / FWTM	18.0° / 35.0°
Efficiency	80 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
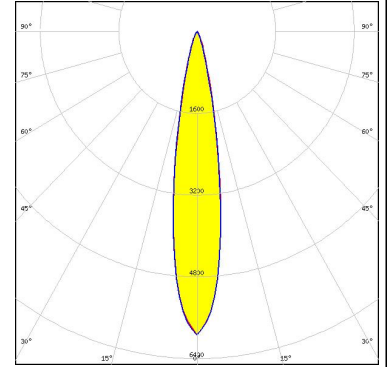
LED	LUXEON C
FWHM / FWTM	16.0° / 32.0°
Efficiency	85 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors
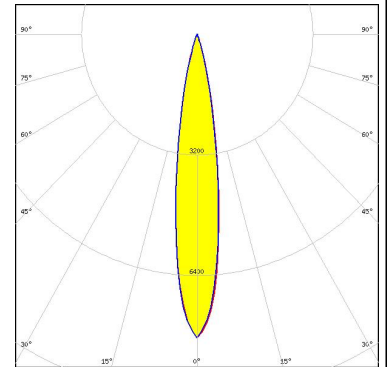
LED	Duris E 2835
FWHM / FWTM	16.0° / 34.0°
Efficiency	92 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	