AMY-110-O

~25 + 60° oval beam



SPECIFICATION:

Dimensions	Ø 110.2
Height	22.6 mm
ROHS compliant	yes

MATERIALS:

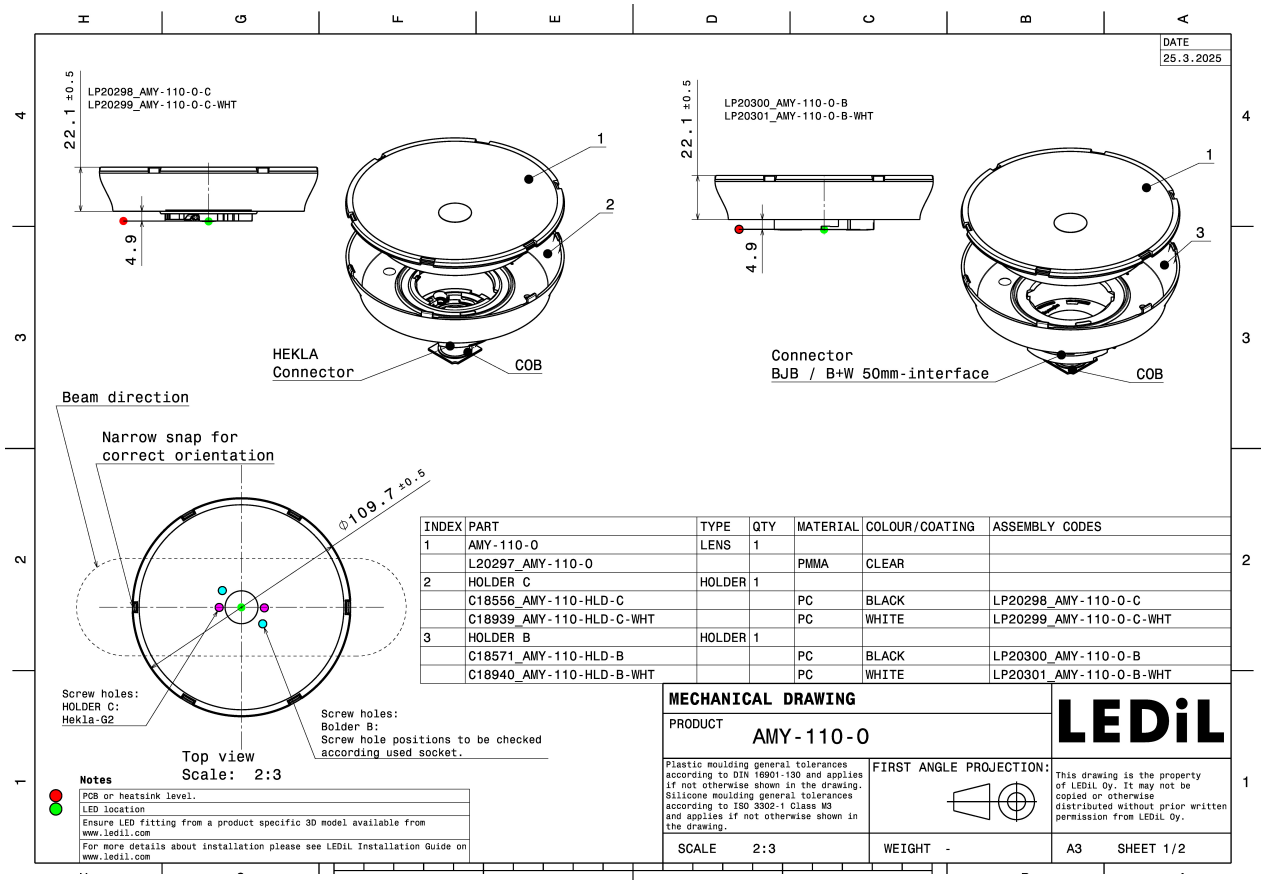
Component	Type	Material	Colour	Finish	Length (mm)
AMY-110-O	Single lens	PMMA			
AMY-110-HLD-C	Holder C	PC	black		
AMY-110-HLD-C-WHT	Holder C	PC	white		
AMY-110-HLD-B	Holder B	PC	black		
AMY-110-HLD-B-WHT	Holder B	PC	white		

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
L20297_AMY-110-O » Box size: 480 x 280 x 300 mm	128	128	8	10.3
LP20301_AMY-110-O-B-WHT » Box size: 480 x 280 x 300 mm	77	77	7	8.3
LP20300_AMY-110-O-B » Box size: 480 x 280 x 300 mm	77	77	7	8.3
LP20299_AMY-110-O-C-WHT » Box size: 480 x 280 x 300 mm	77	77	7	8.4
LP20298_AMY-110-O-C » Box size: 480 x 280 x 300 mm	77	77	7	8.2

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INDEX	PART	TYPE	QTY	MATERIAL	COLOUR/COATING	ASSEMBLY CODES
1	AMY-110-O	LENS	1			
	L20297_AMY-110-O			PMMA	CLEAR	
2	HOLDER C	HOLDER	1			
	C18556_AMY-110-HLD-C			PC	BLACK	LP20298_AMY-110-O-C
	C18939_AMY-110-HLD-C-WHT			PC	WHITE	LP20299_AMY-110-O-C-WHT
3	HOLDER B	HOLDER	1			
	C18571_AMY-110-HLD-B			PC	BLACK	LP20300_AMY-110-O-B
	C18940_AMY-110-HLD-B-WHT			PC	WHITE	LP20301_AMY-110-O-B-WHT

Notes

- PCB or heatsink level.
- LED location
- Ensure LED fitting from a product specific 3D model available from www.ledil.com
- For more details about installation please see LEDiL Installation Guide on www.ledil.com

MECHANICAL DRAWING

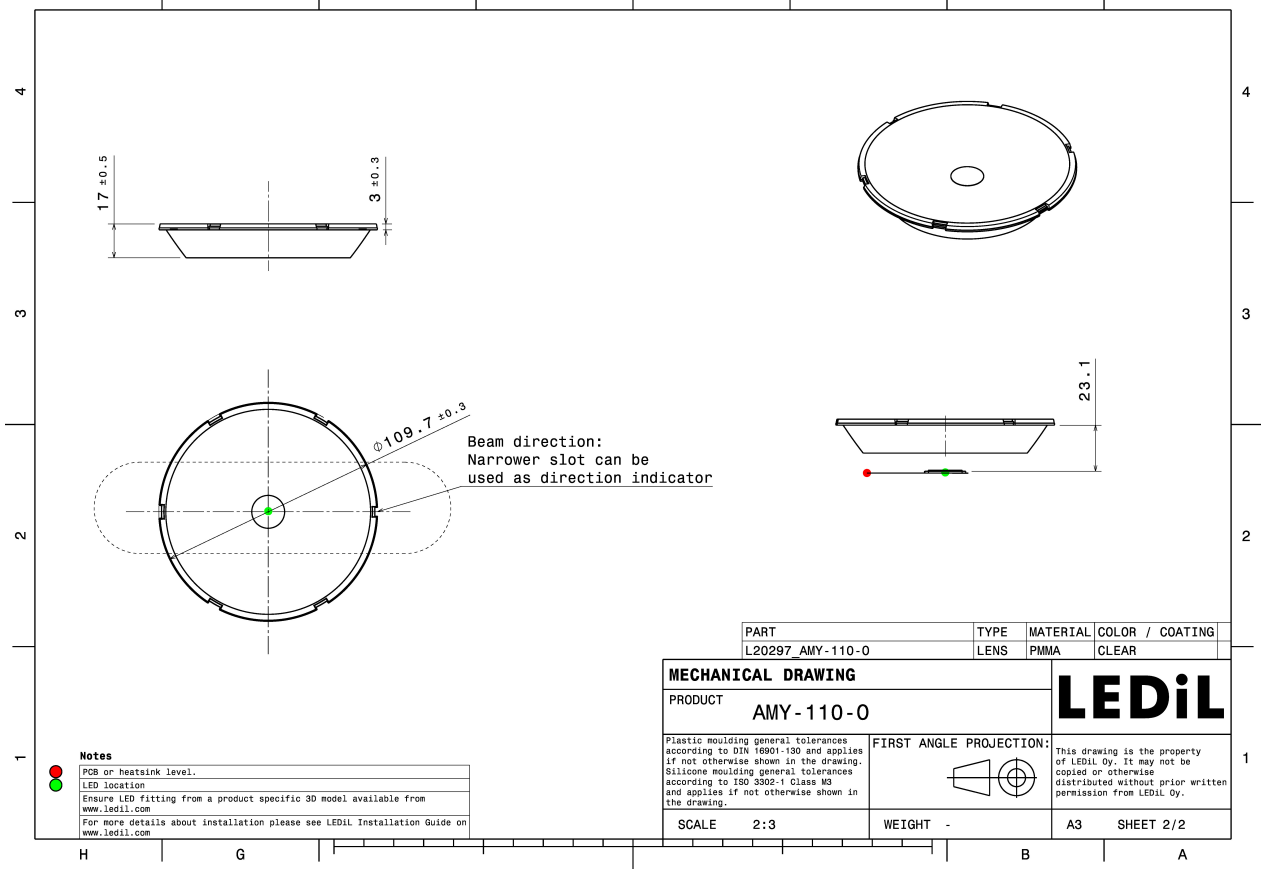
PRODUCT AMY-110-O

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 2:3 | WEIGHT - | A3 | SHEET 1/2



PART	TYPE	MATERIAL	COLOR / COATING
L20297_AMY-110-O	LENS	PMMA	CLEAR

Notes

- PCB or heatsink level.
- LED location
- Ensure LED fitting from a product specific 3D model available from www.ledil.com
- For more details about installation please see LEDiL Installation Guide on www.ledil.com

MECHANICAL DRAWING

PRODUCT AMY-110-O

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 2:3 | WEIGHT - | A3 | SHEET 2/2

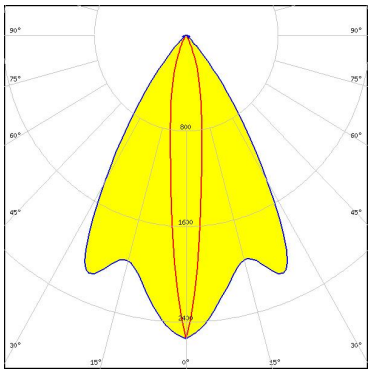
See also our general installation guide: www.ledil.com/installation_guide

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OPTICAL RESULTS (SIMULATED):

PHILIPS

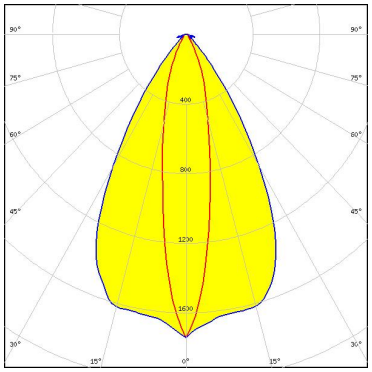
LED	Fortimo SLM L09 CoB
Ordering code	LP20298_AMY-110-O-C
FWHM / FWTM	12.0 + 62.0° / 41.0 + 84.0°
Efficiency	87 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	



Light distribution files

PHILIPS

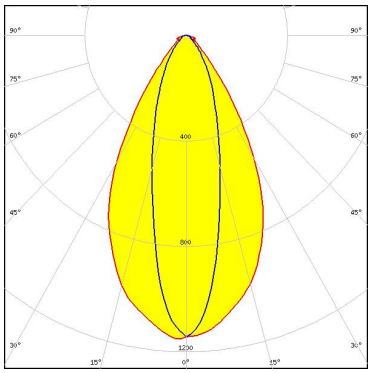
LED	Fortimo SLM L15 CoB
Ordering code	LP20298_AMY-110-O-C
FWHM / FWTM	19.0 + 60.0° / 53.0 + 86.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 632a Hekla XL	



Light distribution files

PHILIPS

LED	Fortimo SLM L22 2828 CoB
FWHM / FWTM	58.0 + 28.0° / 91.0 + 74.0°
Efficiency	77 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 631b Hekla XL	



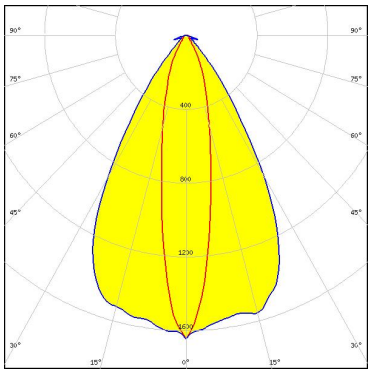
Light distribution files

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OPTICAL RESULTS (SIMULATED):

SAMSUNG

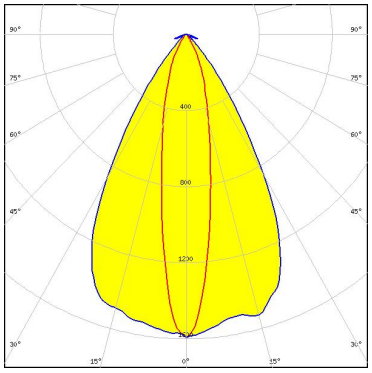
LED	LC016D / LC019D / LC026D / LC033D
Ordering code	LP20299_AMY-110-O-C-WHT
FWHM / FWTM	20.0 + 61.0° / 56.0 + 86.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	LP20298_AMY-110-O-C
FWHM / FWTM	20.0 + 61.0° / 54.0 + 86.0°
Efficiency	78 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

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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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LEDiL Oy
Joensuunkatu 7
FI-24100 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

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