

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

HEIDI-O-90

~13° x 45° oval beam optimized for Cree XP-G and XP-E. Variant with beam direction rotated 90°.

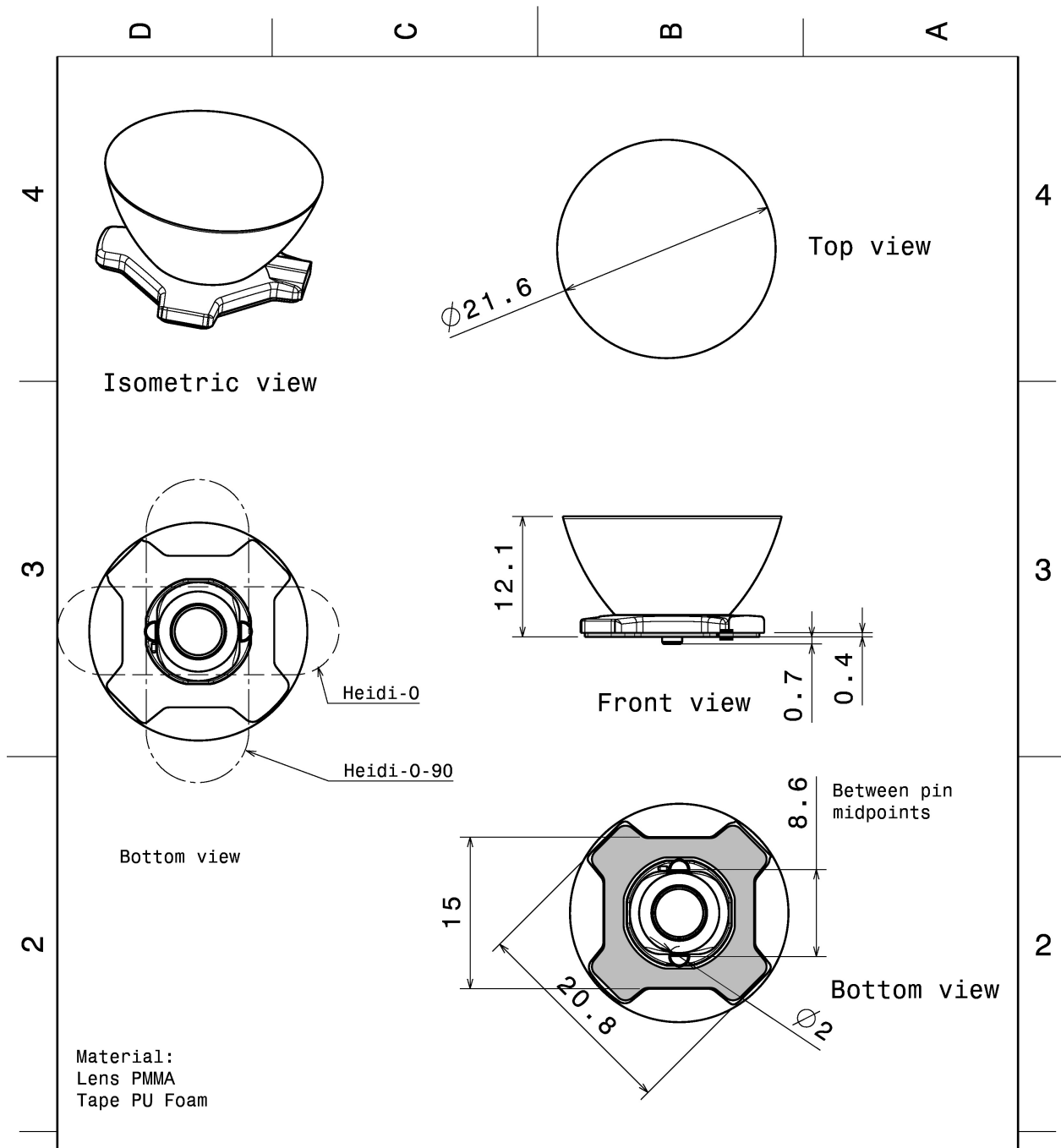
TECHNICAL SPECIFICATIONS:


Dimensions	Ø 21.6 mm
Height	12.1 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.4 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-O-90	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black

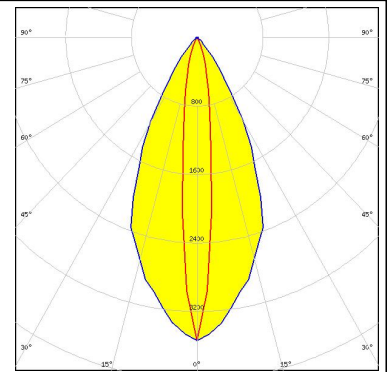


This drawing is our property. It can't be reproduced or communicated without our written agreement.				Ledil Oy Salorankatu 10 FIN-24100 SALO Finland	
DRAWN BY jp		DATE 3.9.2013		DRAWING TITLE Datasheet Heidi-O assy	
CHECKED BY		DATE		SIZE A4	
DESIGNED BY		DATE		DRAWING NUMBER	
		SCALE 2:1		WEIGHT (g)	
				REV 001	
				SHEET 1/1	

PHOTOMETRIC DATA (MEASURED):

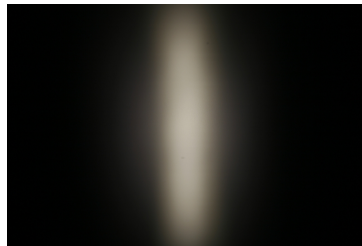
CREE 

LED XB-D
FWHM 12.0 + 49.0°
Efficiency 87 %
Peak intensity 3.500 cd/lm
Required components:



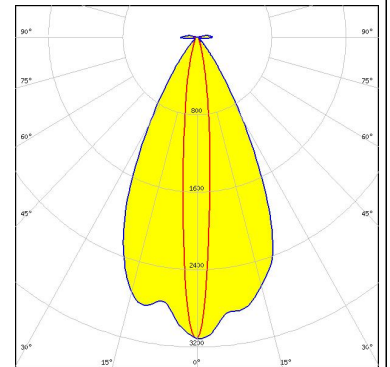
CREE 

LED XB-H
FWHM 11.0 + 52.0°
Efficiency 80 %
Peak intensity 3.200 cd/lm
Required components:



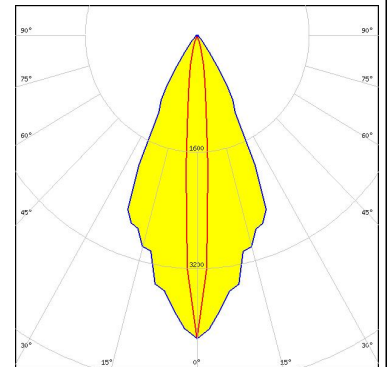
CREE 

LED XD16
FWHM 11.0 + 52.0°
Efficiency 88 %
Peak intensity 3.100 cd/lm
Required components:



CREE 

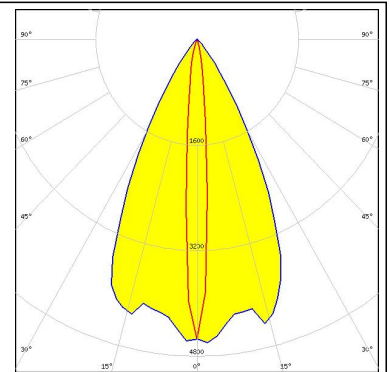
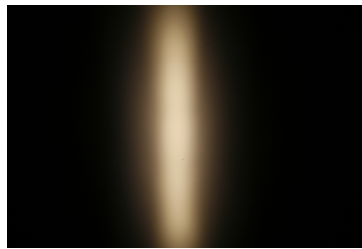
LED XP-E
FWHM 9.0 + 50.0°
Efficiency 87 %
Peak intensity 4.200 cd/lm
Required components:



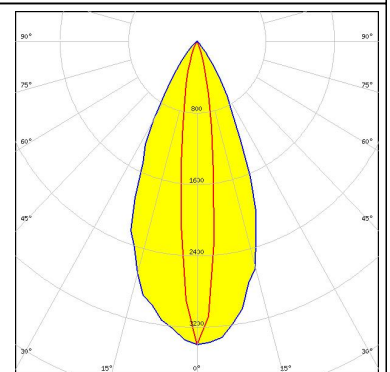
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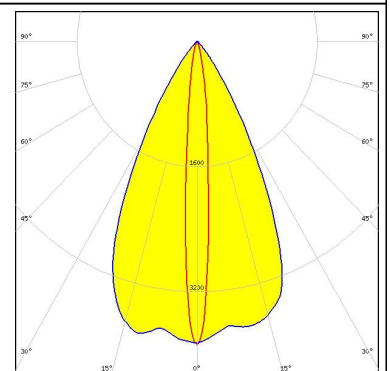
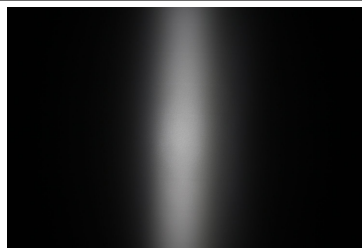
LED XP-E2
 FWHM 9.0 + 55.0°
 Efficiency 84 %
 Peak intensity 4.600 cd/lm
 Required components:



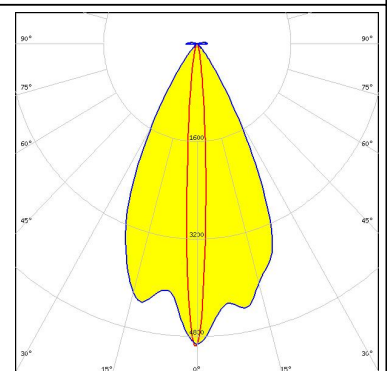
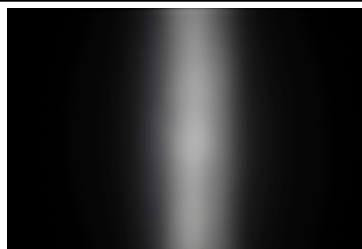
LED XP-G
 FWHM 14.0 + 44.0°
 Efficiency 87 %
 Peak intensity 3.400 cd/lm
 Required components:



LED LUXEON C
 FWHM 9.0 + 54.0°
 Efficiency 79 %
 Peak intensity 3.900 cd/lm
 Required components:



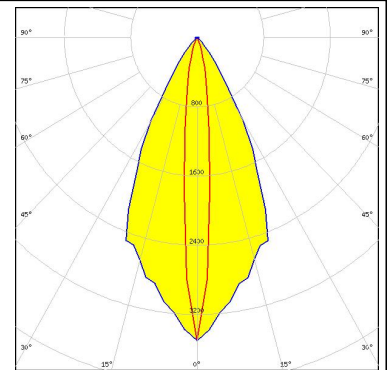
LED LUXEON CZ
 FWHM 8.0 + 52.0°
 Efficiency 92 %
 Peak intensity 5.000 cd/lm
 Required components:



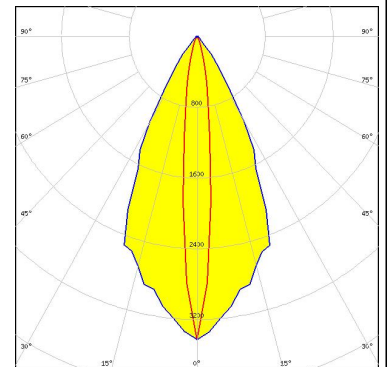
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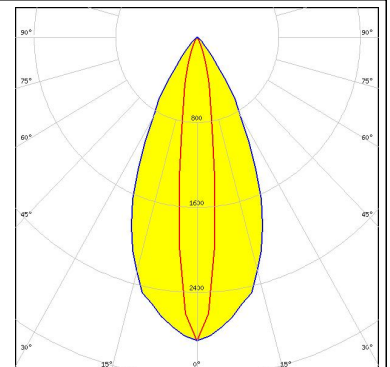
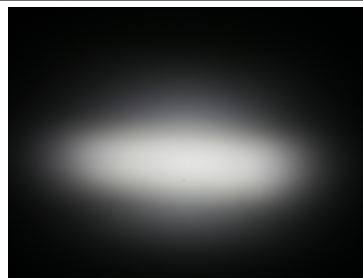
LED NCSxx19A
FWHM 10.0 + 50.0°
Efficiency 82 %
Peak intensity 3.500 cd/lm
Required components:



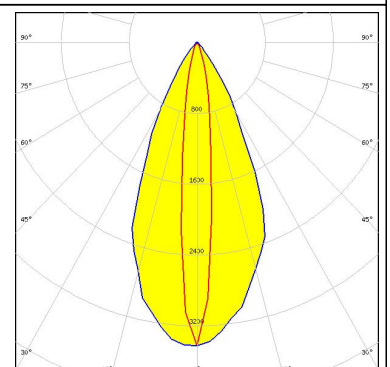
LED NVSxx19A
FWHM 10.0 + 49.0°
Efficiency 82 %
Peak intensity 3.400 cd/lm
Required components:



LED NVSxx19B/NVSxx19C
FWHM 14.0 + 48.0°
Efficiency 85 %
Peak intensity 2.900 cd/lm
Required components:



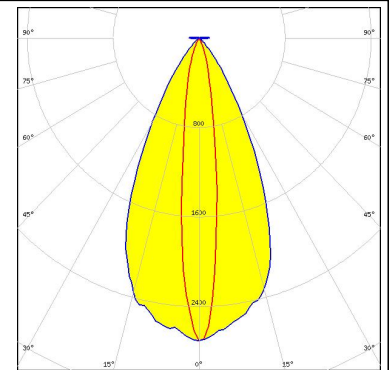
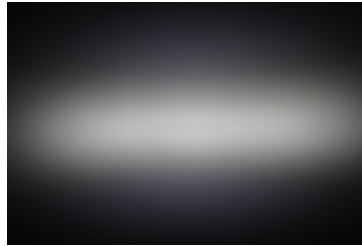
LED Oslon Square EC
FWHM 12.0 + 48.0°
Efficiency 86 %
Peak intensity 3.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

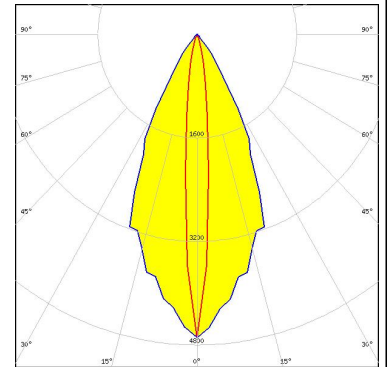
OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 15.0 + 51.0°
Efficiency 78 %
Peak intensity 2.710 cd/lm
Required components:



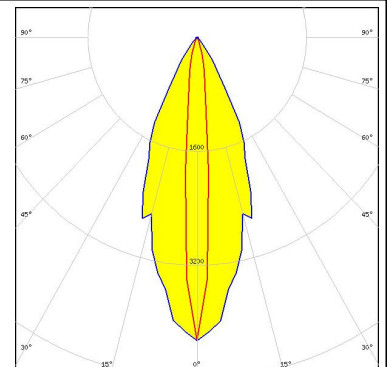
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 9.0 + 48.0°
Efficiency 86 %
Peak intensity 4.700 cd/lm
Required components:



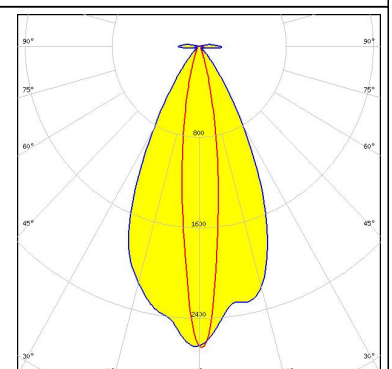
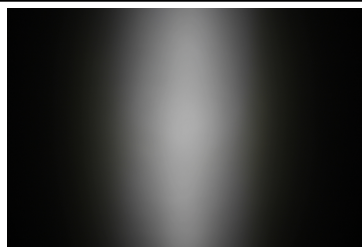
OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 9.0 + 42.0°
Efficiency 83 %
Peak intensity 4.300 cd/lm
Required components:



SAMSUNG

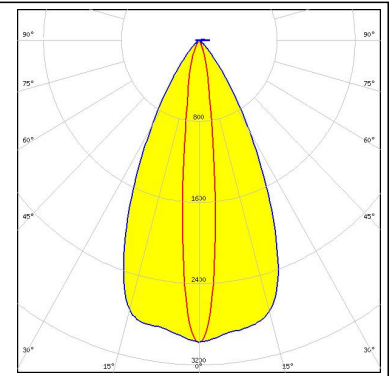
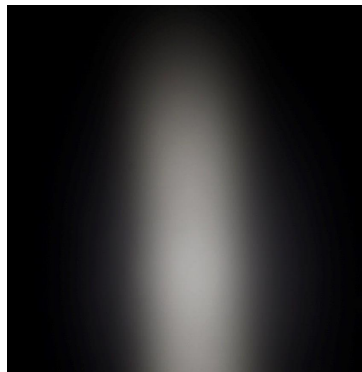
LED LH181B
FWHM 14.0 + 51.0°
Efficiency 89 %
Peak intensity 2.700 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

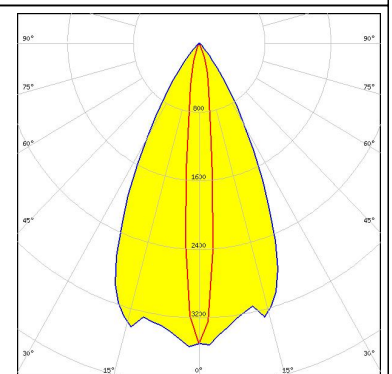
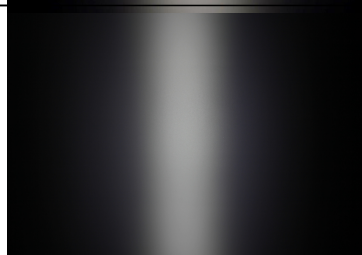
SAMSUNG

LED LH351B
FWHM 13.0 + 52.0°
Efficiency 83 %
Peak intensity 3.000 cd/lm
Required components:



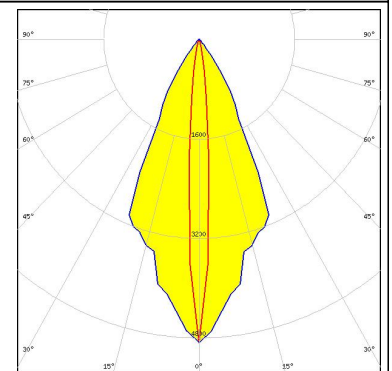
SAMSUNG

LED LH351Z
FWHM 11.0 + 54.0°
Efficiency 82 %
Peak intensity 3.500 cd/lm
Required components:



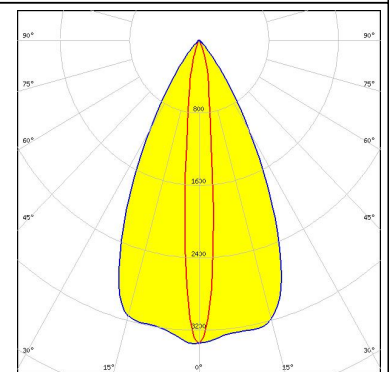
SEOUL SEMICONDUCTOR

LED Z5
FWHM 8.0 + 50.0°
Efficiency 86 %
Peak intensity 4.900 cd/lm
Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 11.0 + 53.0°
Efficiency 84 %
Peak intensity 3.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

SHARP

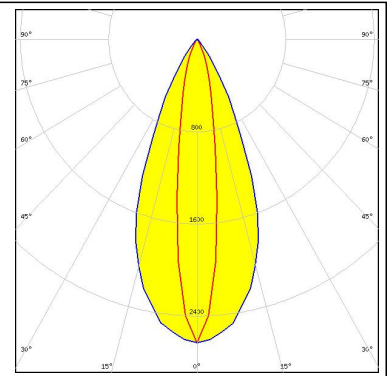
LED Double Dome (GM2BB)

FWHM 16.0 + 44.0°

Efficiency 82 %

Peak intensity 2.600 cd/lm

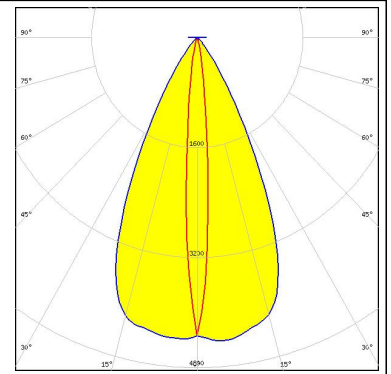
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED LUXEON Z ES
FWHM 8.7 + 52.0°
Efficiency 92 %
Peak intensity 4.430 cd/lm
Required components:



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.

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.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
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