

HB-IP-2X6-RS

~19° spot beam

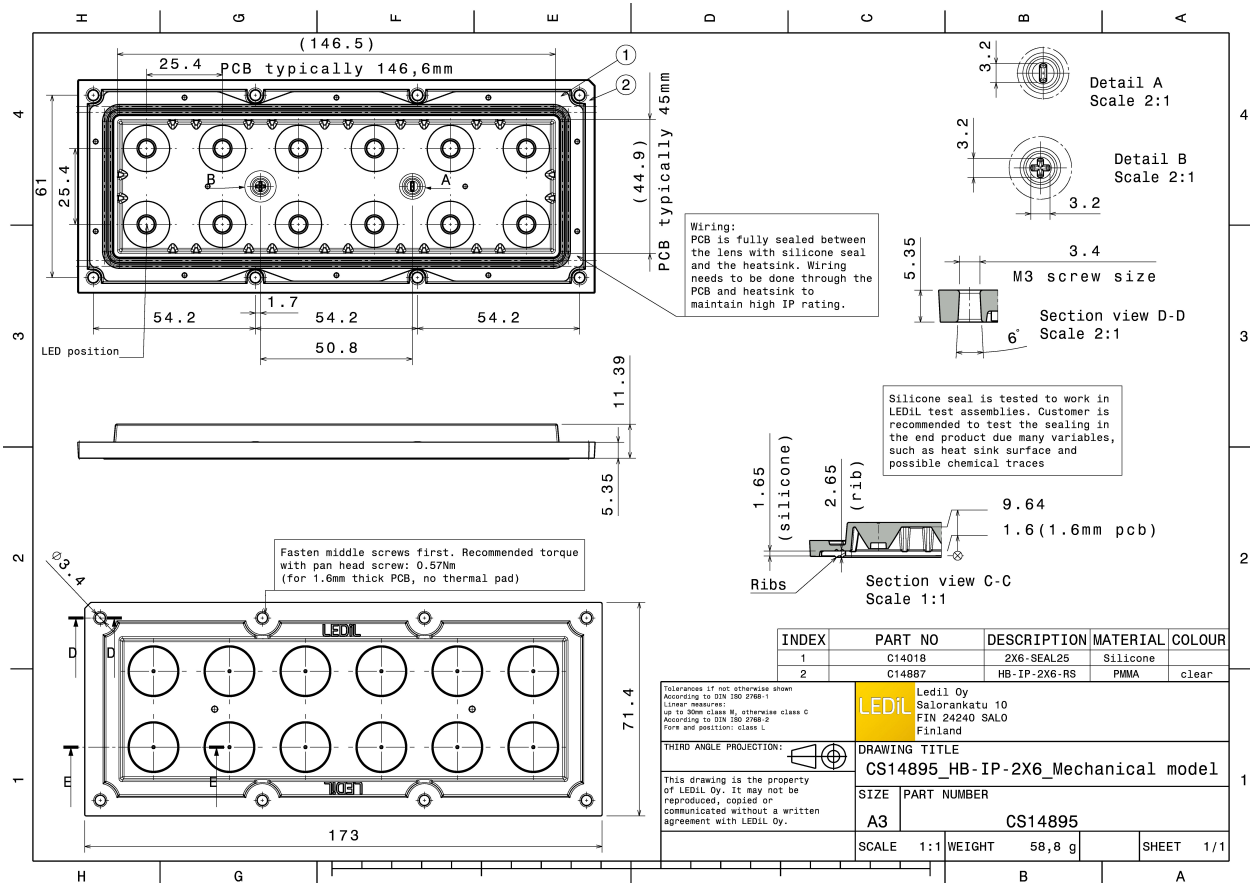
TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	11.4 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	8 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

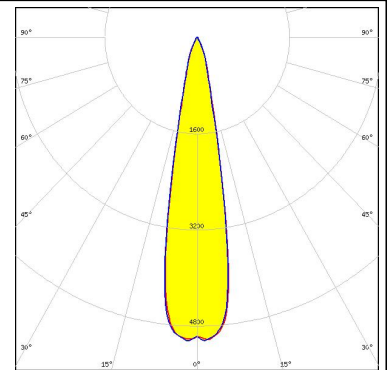
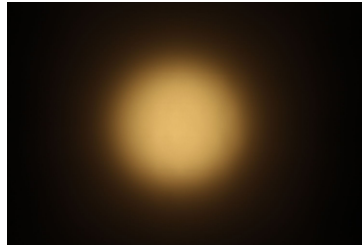
Component	Type	Material	Colour
HB-IP-2X6-RS	Lens array	PMMA	clear
2X6-SEAL25	Seal	Silicone	white



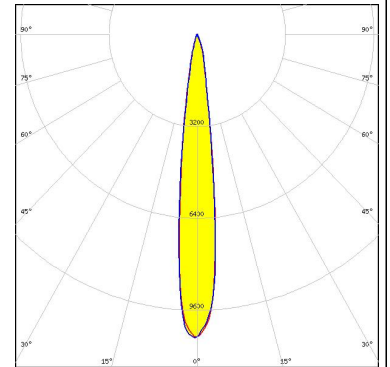
PHOTOMETRIC DATA (MEASURED):



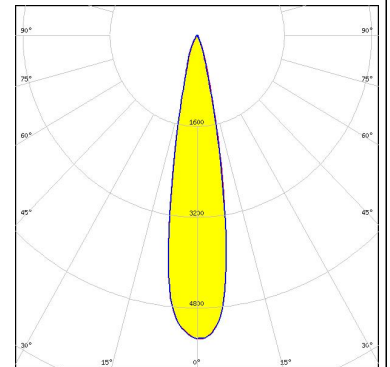
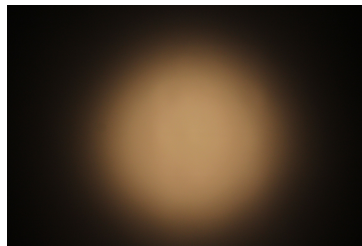
LED XM-L
FWHM 21.0°
Efficiency 94 %
Peak intensity 5.100 cd/lm
Required components:



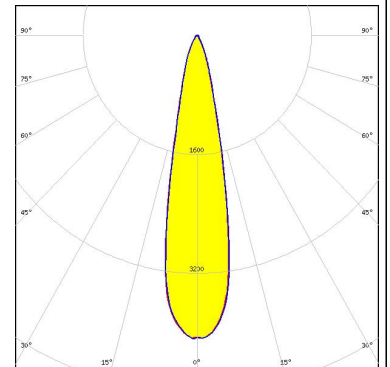
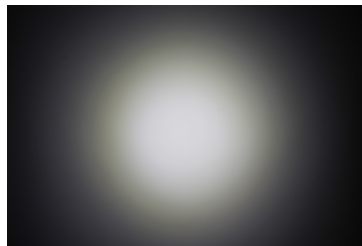
LED XP-G2
FWHM 13.0°
Efficiency 94 %
Peak intensity 10.600 cd/lm
Required components:




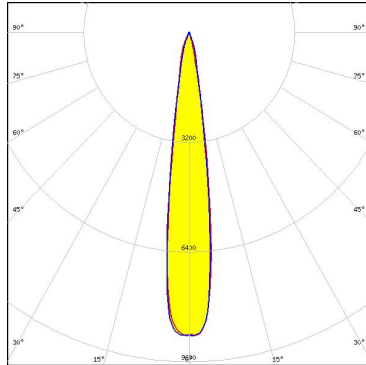
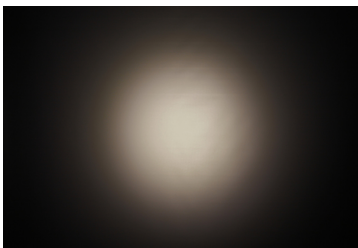
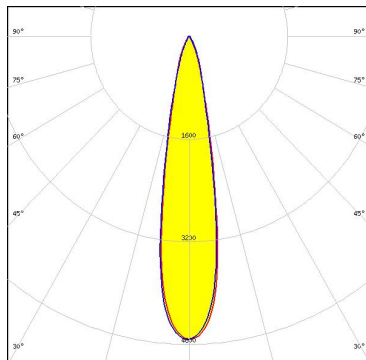

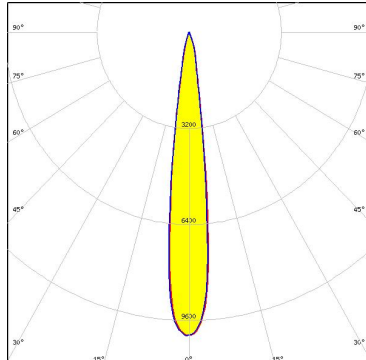

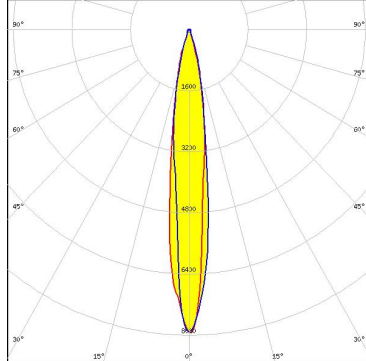
LED XP-L
FWHM 20.0°
Efficiency 93 %
Peak intensity 5.400 cd/lm
Required components:




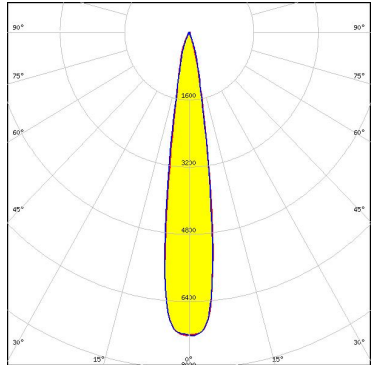
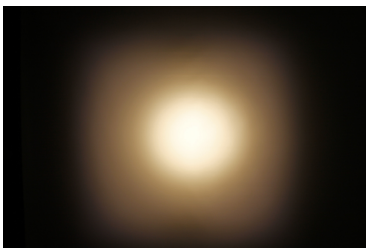
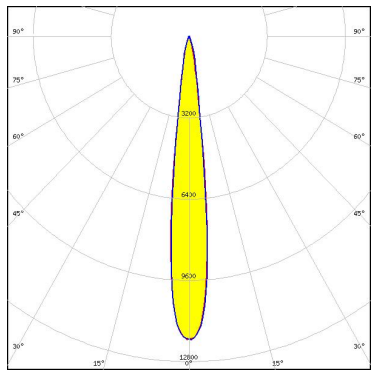

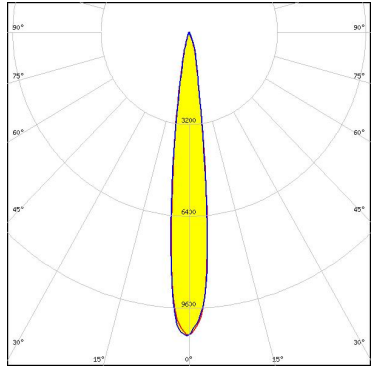

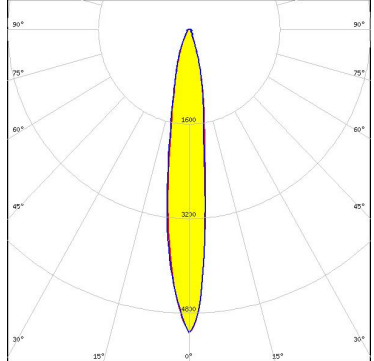
LED XP-L2
FWHM 22.0°
Efficiency 93 %
Peak intensity 4.100 cd/lm
Required components:




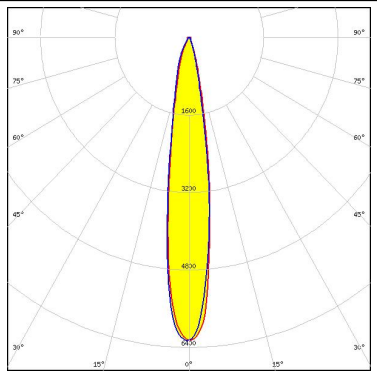

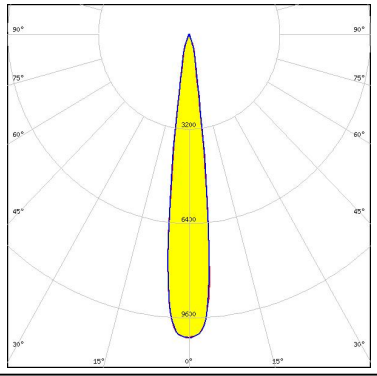

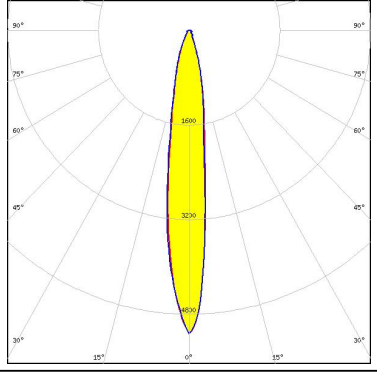

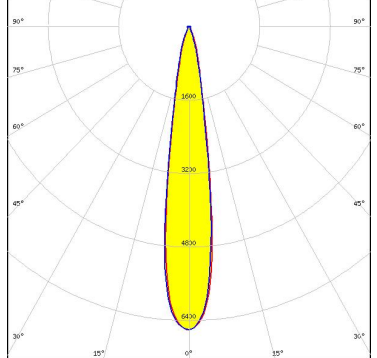
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON T</p> <p>FWHM 15.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 8.800 cd/lm</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON V</p> <p>FWHM 20.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.700 cd/lm</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON XR-TX (L2T0-xyyy012M)</p> <p>FWHM 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 10.120 cd/lm</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxE21A</p> <p>FWHM 13.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7.950 cd/lm</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 16.0° Efficiency 92 % Peak intensity 7.200 cd/lm Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Square Gen3 FWHM 13.0° Efficiency 94 % Peak intensity 12.000 cd/lm Required components:</p>		
<p>PHILIPS</p> <p>LED Fortimo FastFlex LED board 2x6 DP G4 FWHM 13.0° Efficiency 94 % Peak intensity 10.600 cd/lm Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Mx FWHM 15.0° Efficiency 89 % Peak intensity 5.100 cd/lm Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED SMJQ-D36W12Px FWHM 16.0° Efficiency 93 % Peak intensity 6.300 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 14.0° Efficiency 94 % Peak intensity 10.000 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 15.0° Efficiency 89 % Peak intensity 5.100 cd/lm Required components:</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 17.0° Efficiency 92 % Peak intensity 6.600 cd/lm Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

TRIDONIC

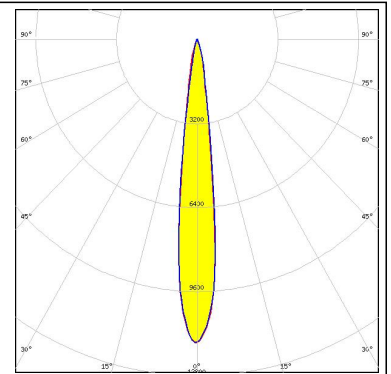
LED RLE G2 HP 2x6 3000lm

FWHM 13.0°

Efficiency 94 %

Peak intensity 11.600 cd/lm

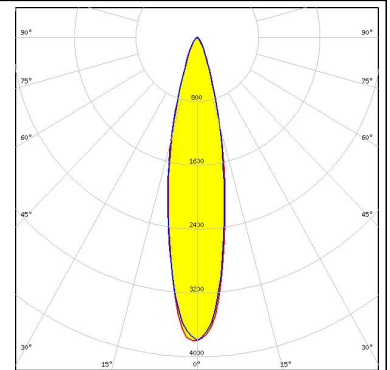
Required components:



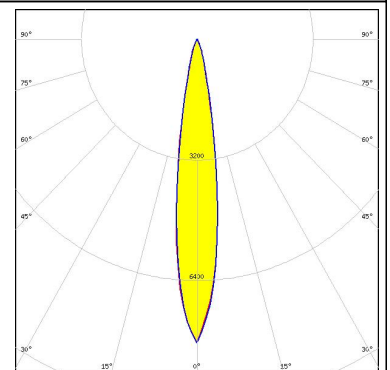
PHOTOMETRIC DATA (SIMULATED):



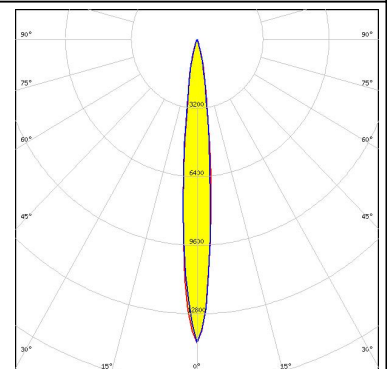
LED XHP35 HD
FWHM 22.0°
Efficiency 93 %
Peak intensity 3.800 cd/lm
Required components:



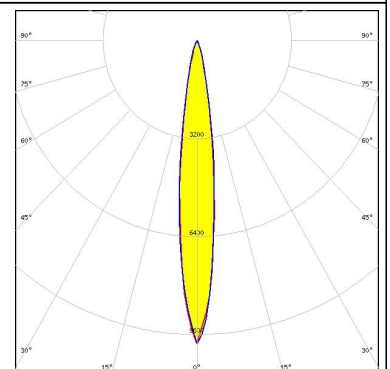
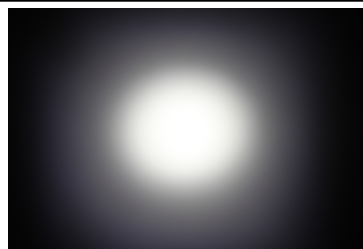
LED XHP35 HI
FWHM 16.0°
Efficiency 93 %
Peak intensity 8.050 cd/lm
Required components:



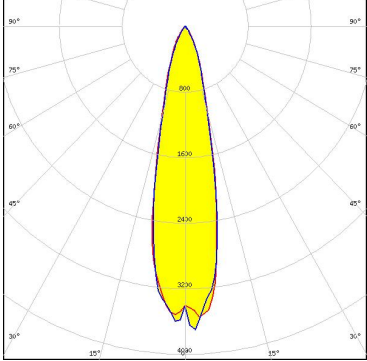
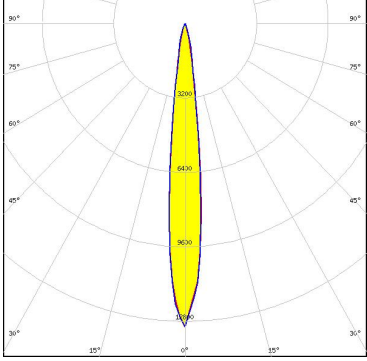
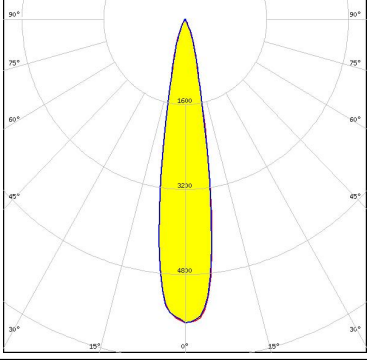
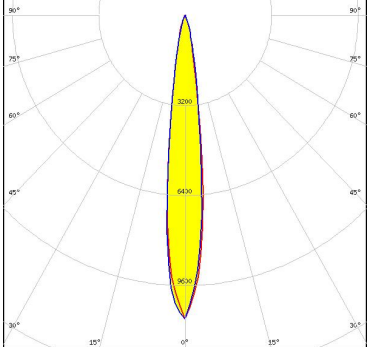
LED XP-E2
FWHM 11.0°
Efficiency 91 %
Peak intensity 14.100 cd/lm
Required components:



LED H35C1 (LEMWA33)
FWHM 14.0°
Efficiency 93 %
Peak intensity 9.900 cd/lm
Required components:



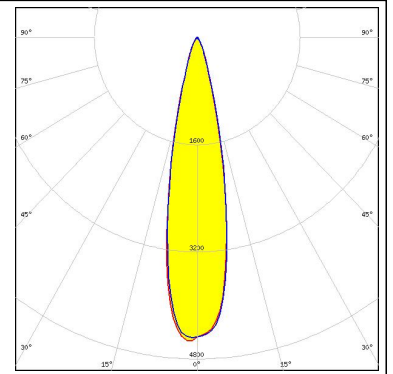
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 FWHM 23.0° Efficiency 91 % Peak intensity 3.740 cd/lm Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (2W version) FWHM 12.0° Efficiency 89 % Peak intensity 13.000 cd/lm Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (3W version) FWHM 19.0° Efficiency 93 % Peak intensity 6.050 cd/lm Required components:</p>	
<p>SAMSUNG</p> <p>LED LH181B FWHM 13.0° Efficiency 93 % Peak intensity 10.800 cd/lm Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH351D
FWHM 22.0°
Efficiency 93 %
Peak intensity 4.550 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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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
Hong Kong, China

Distribution Partners

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