



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!



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MINNIE-M

~25° medium beam optimized for LUXEON M/MX. Assembly with holder and installation tape.

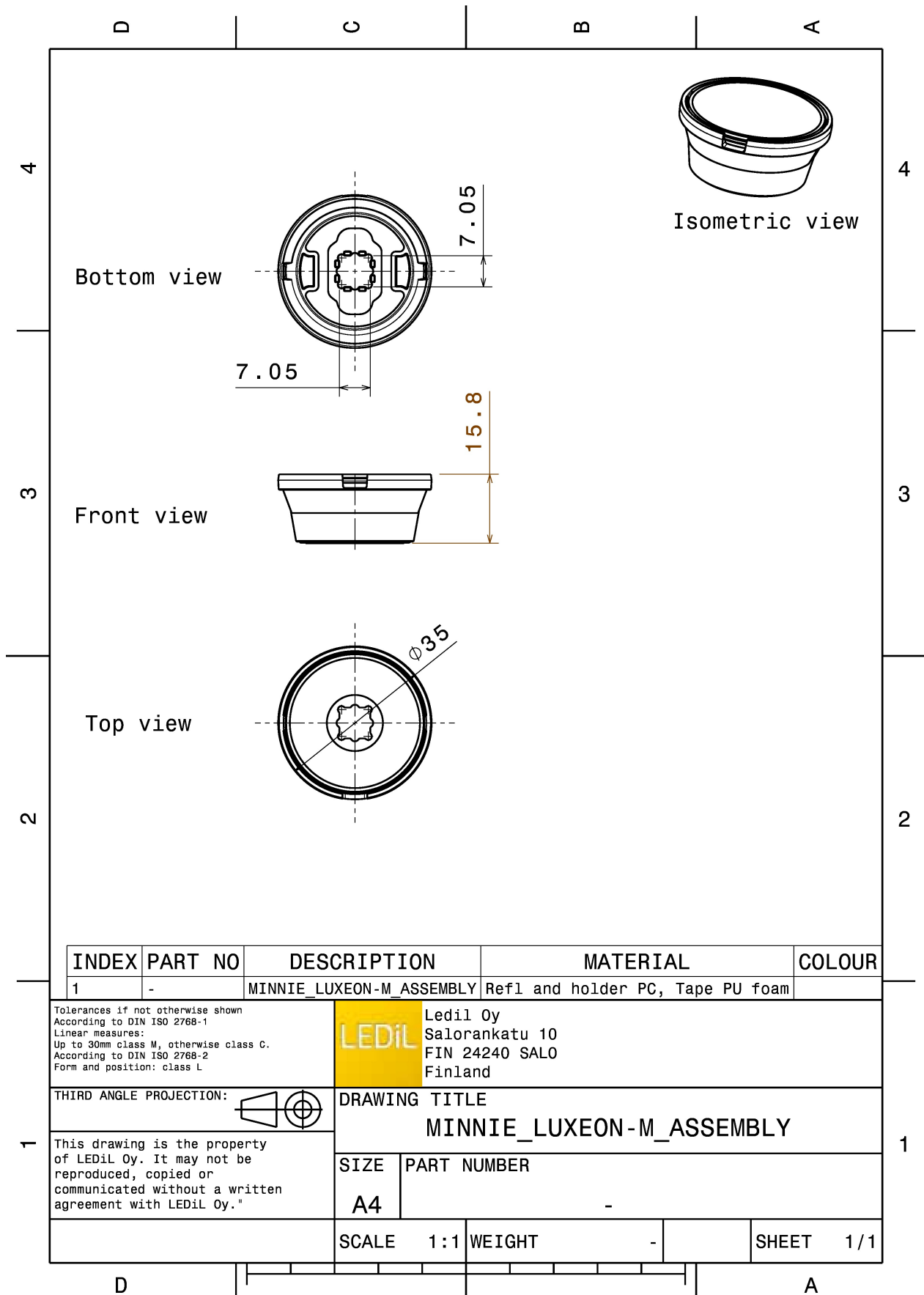
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 35 mm
Height	15.8 mm
Fastening	tape
Colour	black
Box size	480 x 280 x 300 mm
Box weight	6 kg
Quantity in Box	840 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

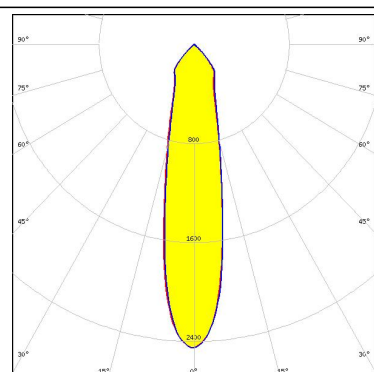
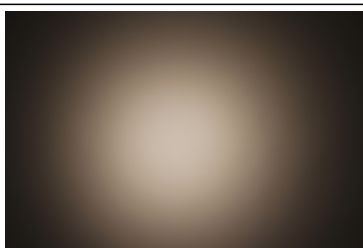
Component	Type	Material	Colour
MINNIE-M	Reflector	PC	metal
MINNIE-HLD-M	Holder	PC	black
SPUTNIK-TAPE	Tape	PU tape	black



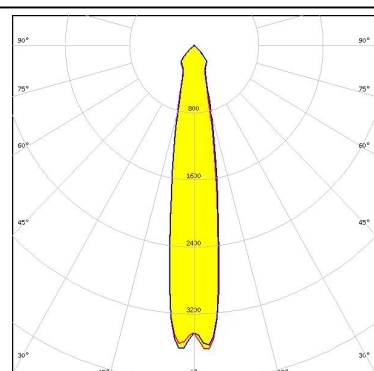
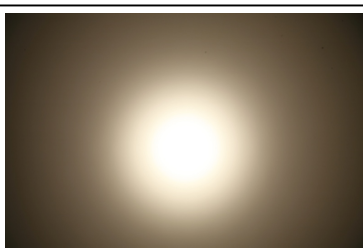
PHOTOMETRIC DATA (MEASURED):



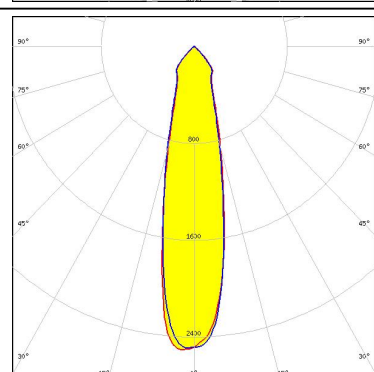
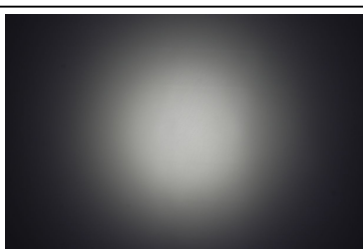
LED MHD-E/G
FWHM 23.0°
Efficiency 92 %
Peak intensity 2.500 cd/lm
Required components:



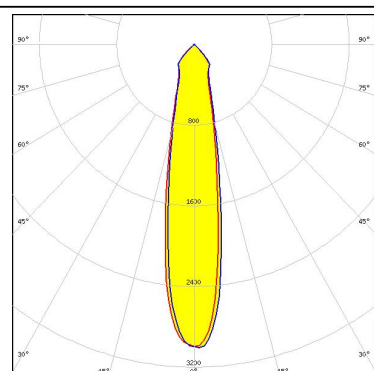
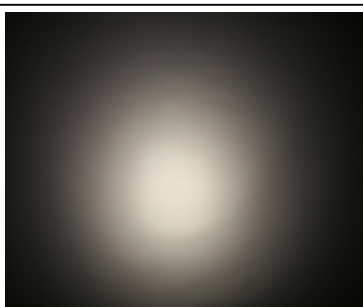
LED MK-R
FWHM 18.0°
Efficiency 89 %
Peak intensity 3.600 cd/lm
Required components:



LED XHP70
FWHM 23.0°
Efficiency 88 %
Peak intensity 2.500 cd/lm
Required components:



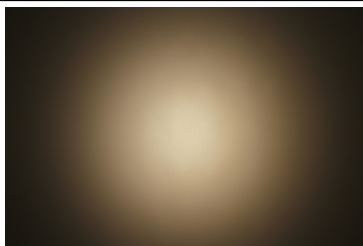
LED LUXEON M/MX
FWHM 21.0°
Efficiency 90 %
Peak intensity 3.000 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

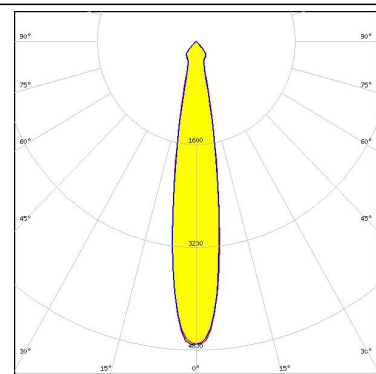
LED Duris S10
FWHM 21.0°
Efficiency 88 %
Peak intensity 3.100 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 18.0°
Efficiency 92 %
Peak intensity 1.000 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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