

Motorcycle Matrix Technology

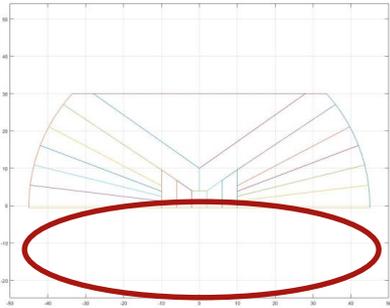
object definition

riders views

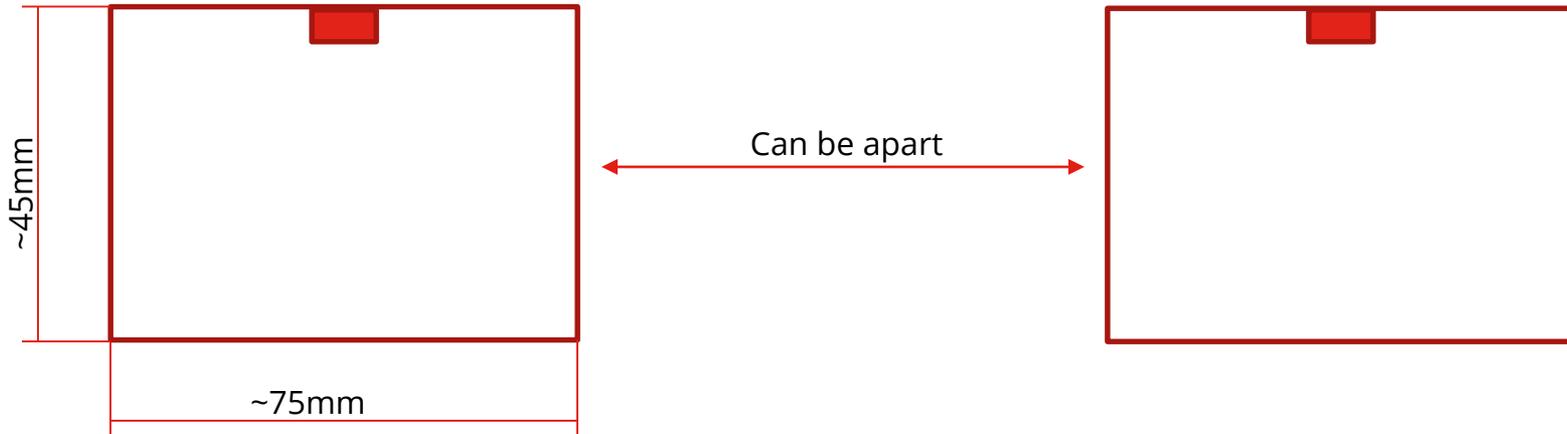
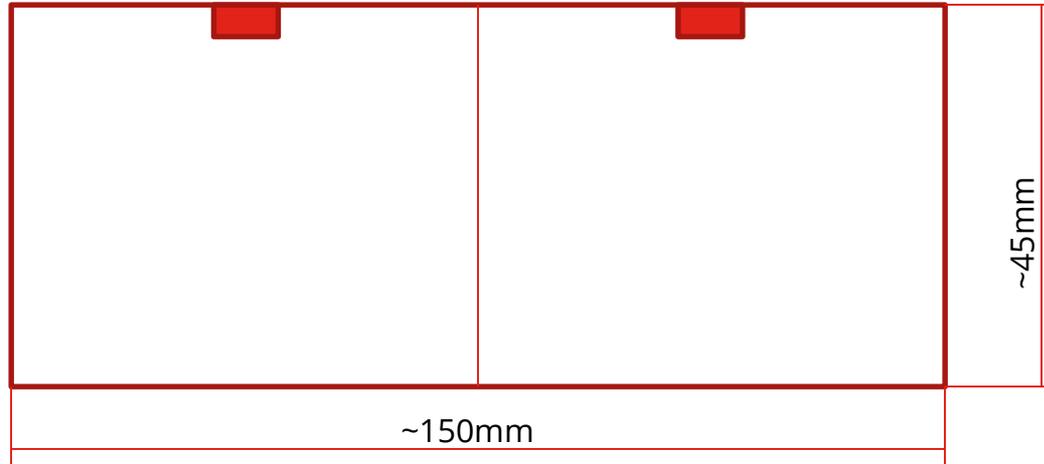
low resolution matrix



Technical solutions to low resolution matrix - reflector



Low Beam

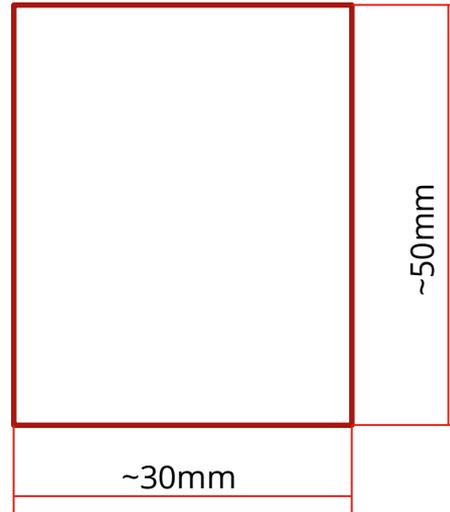
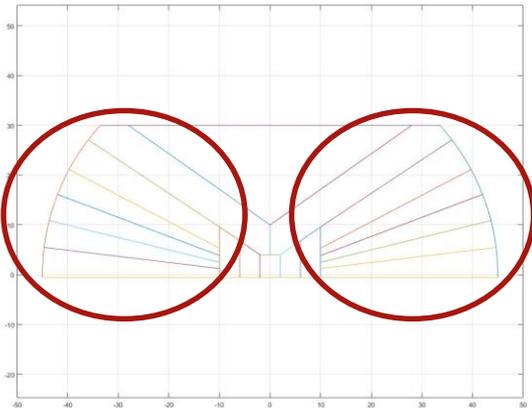
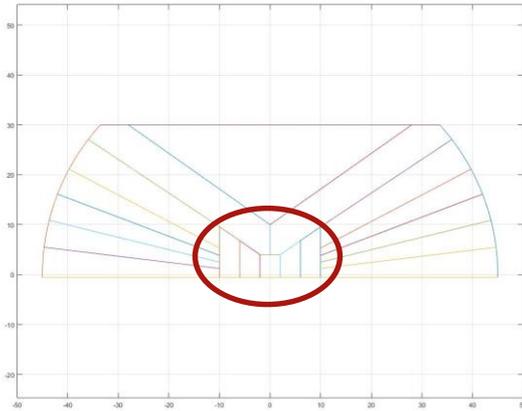


Required LED power: 2 x min 1x3, 1x4 or 1x5 light engines depend of required output

January 15, 2019

Technical solutions to low resolution matrix - reflector

Matrix High Beam



- Center element min requirements
- 1) 1x5 light engine single addressable dies
 - 2) 3 or more single LEDs also single addressable

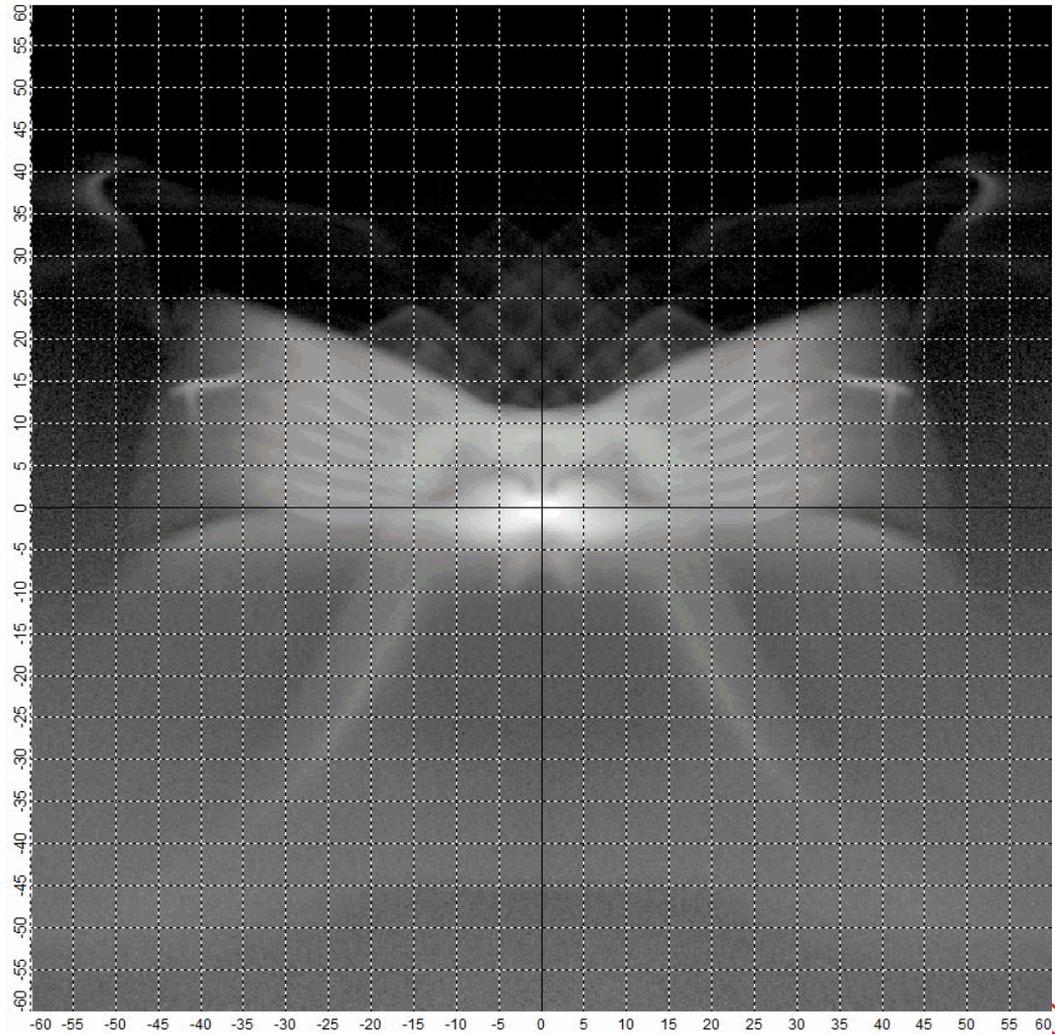
Side banking/matrix elements are single or dual dies



Location, shape and orientation of the matrix reflector can be adapted to desire style

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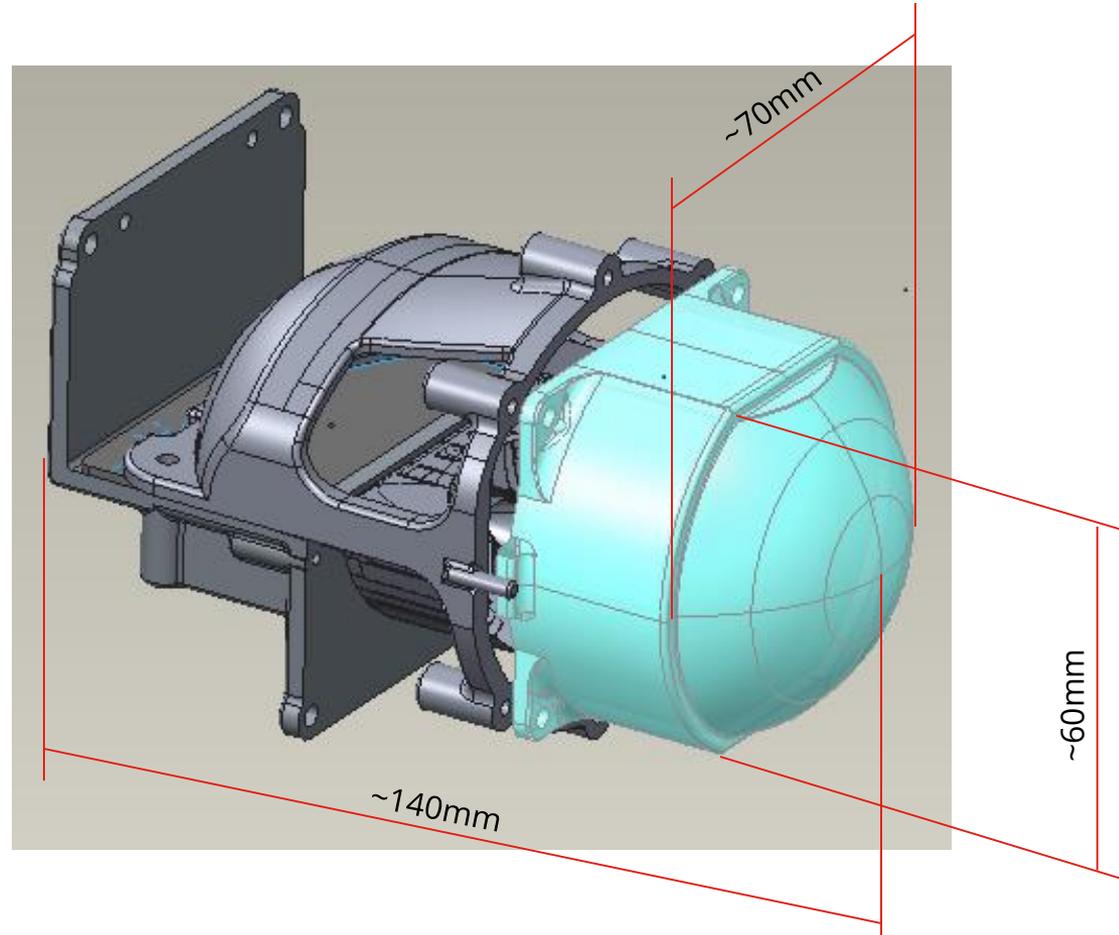
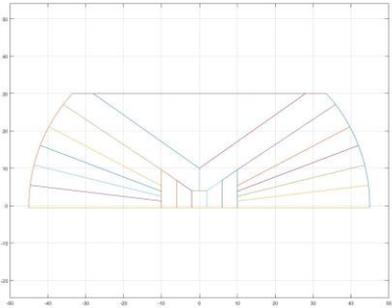
Technical solutions to low resolution matrix - reflector



Reflector matrix animation.
Design can work as bank light and
through the software modification,
when is camera system ready modify
to full matrix light

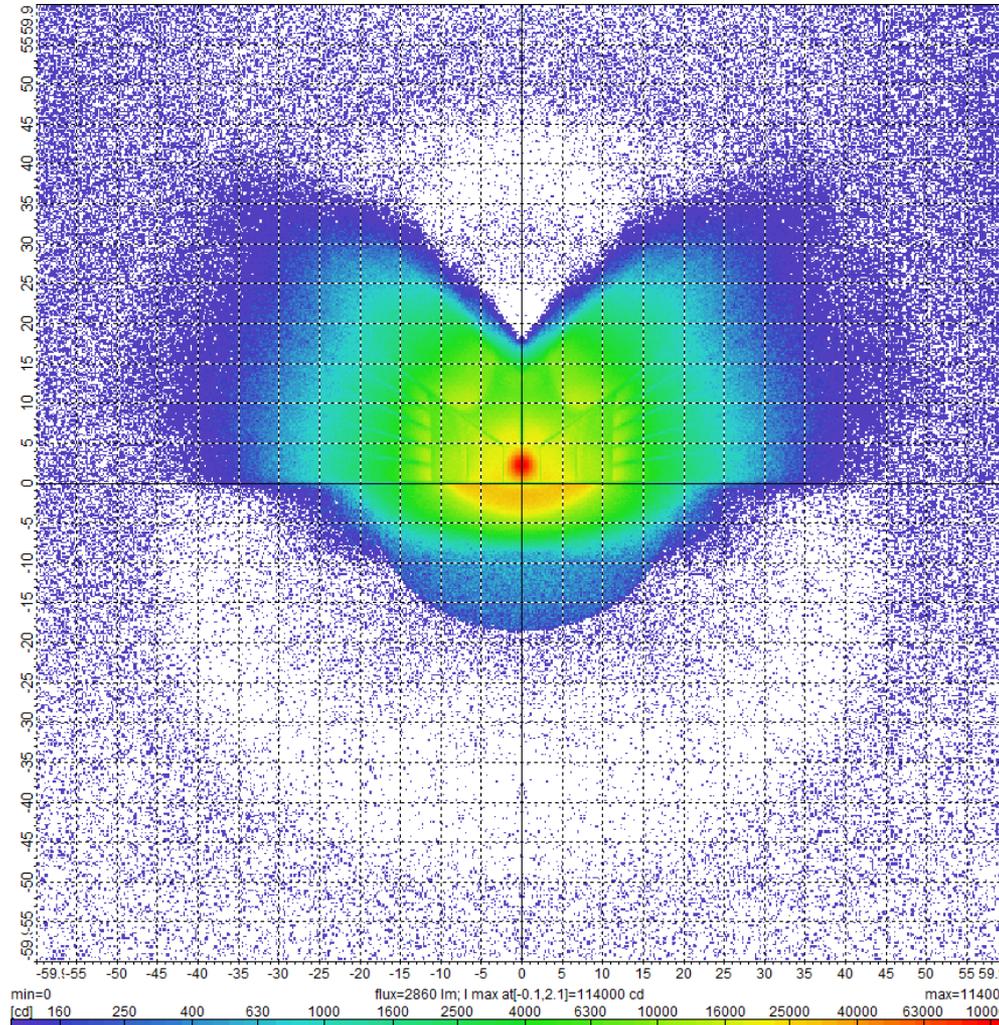
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Technical solutions to low resolution matrix - projector



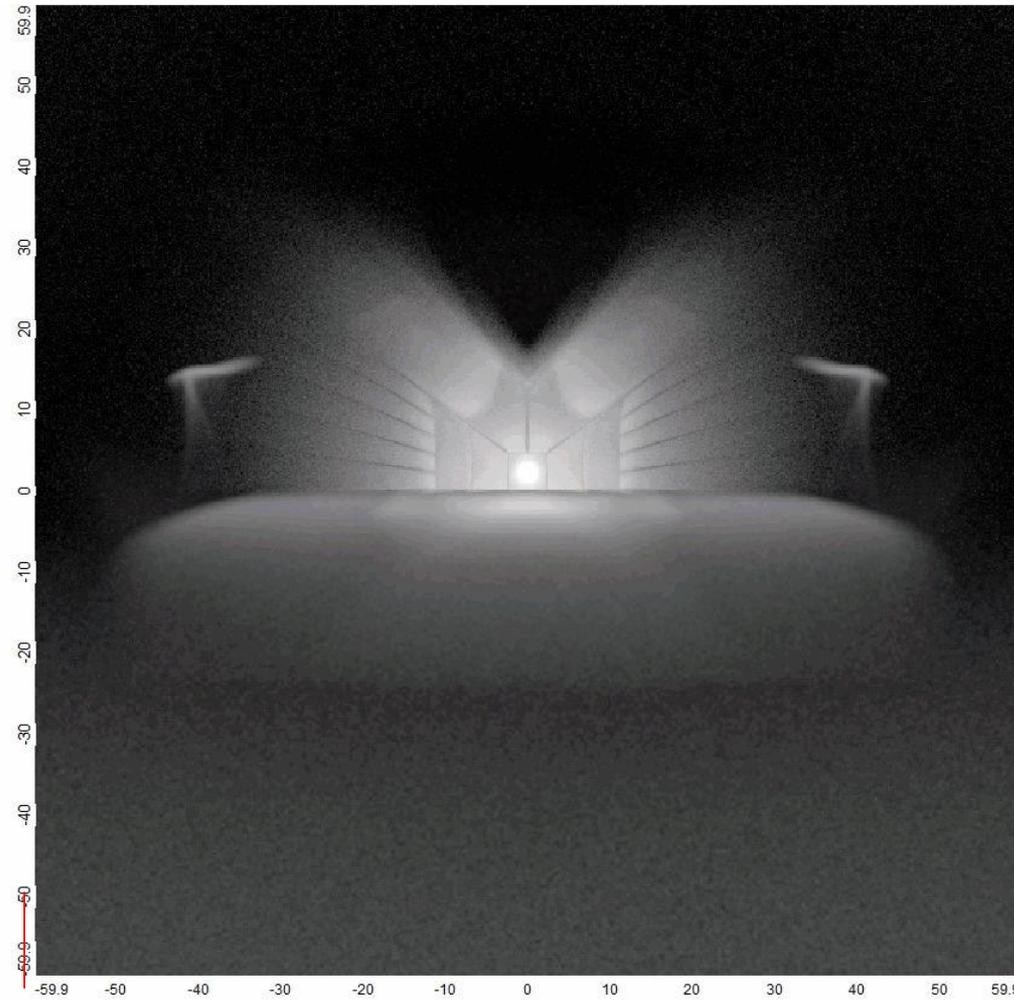
Dimensions:
W x H x D = 70 x 60 x 140
Functions:
low beam
high beam matrix

Technical solutions to low resolution matrix - projector

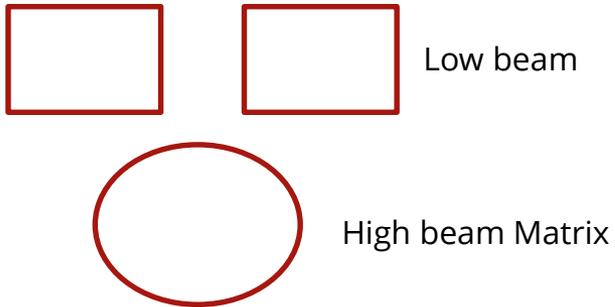


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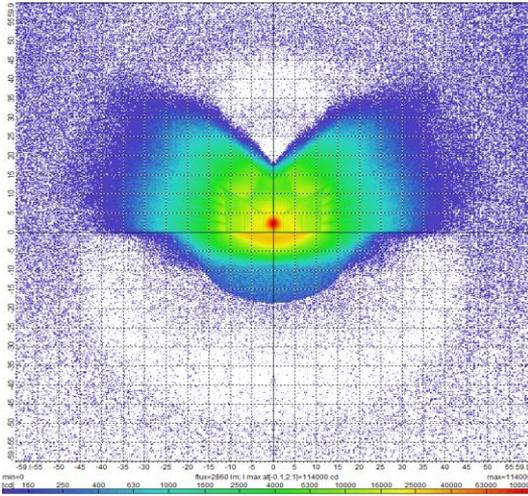
Technical solutions to low resolution matrix - projector



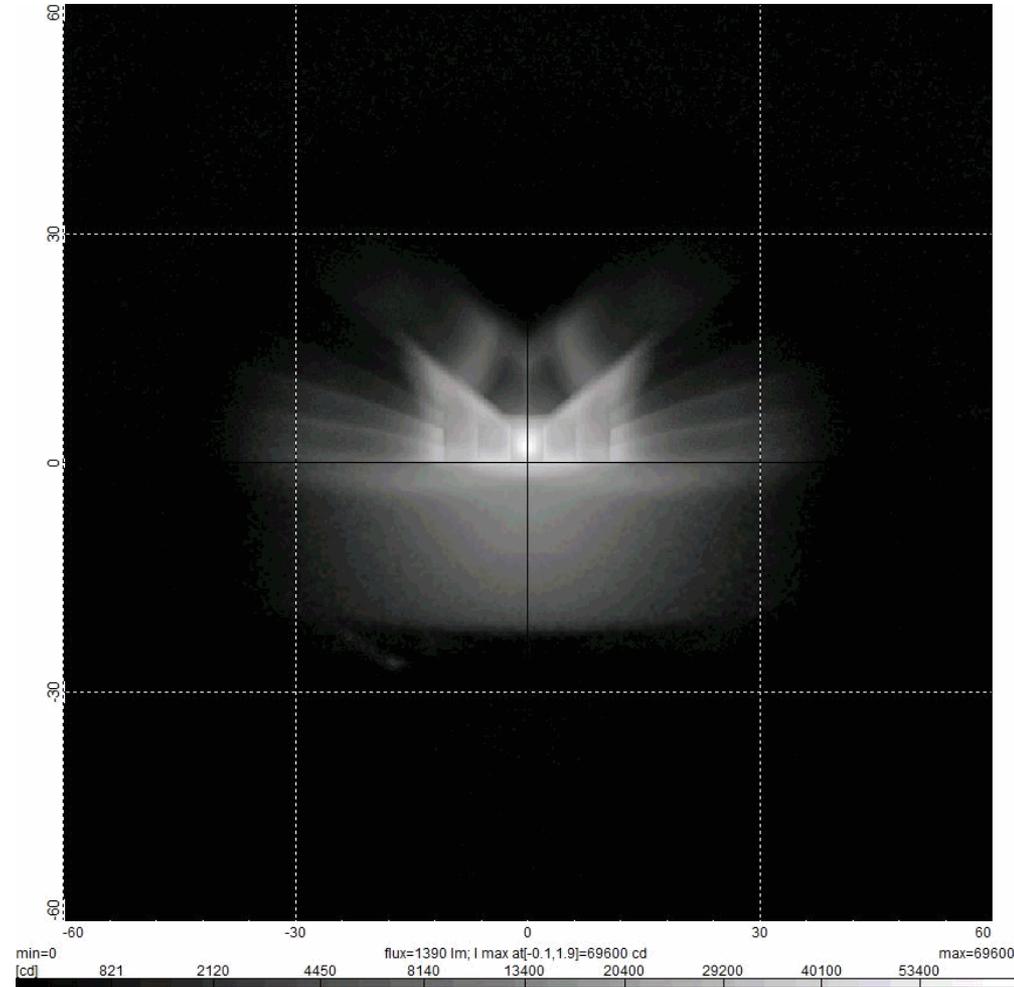
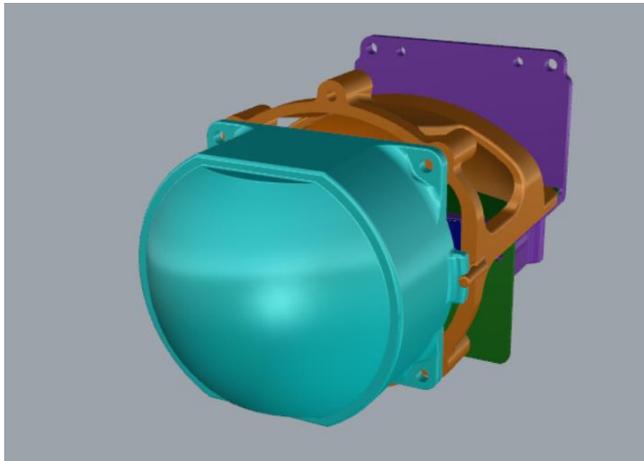
Projector Matrix high beam
combined with separate source for
low beam
(in this case data used from
reflector optics)



Technical solutions to low resolution matrix - projector



Projector Lamp only
Low + Matrix high beam



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