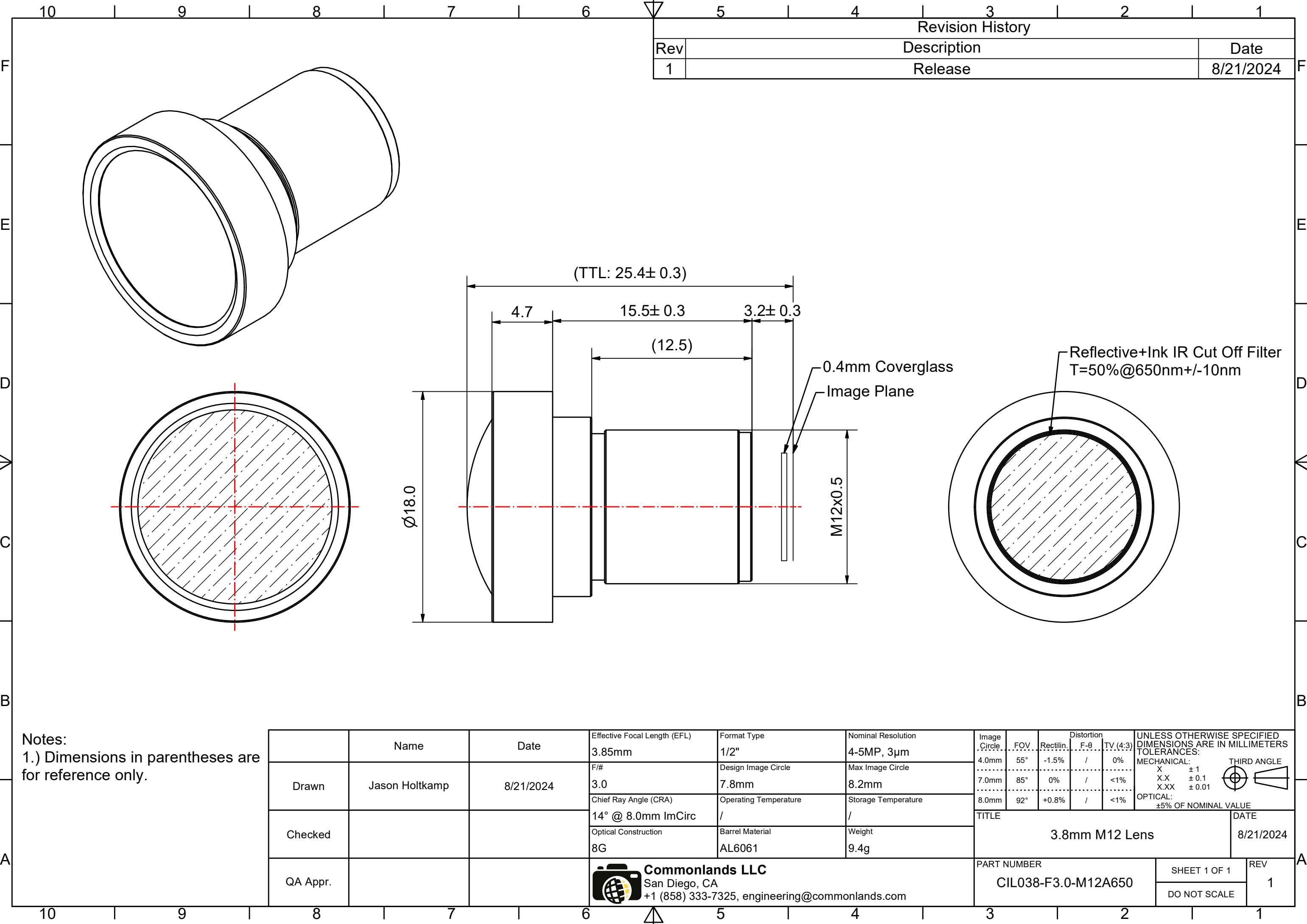




Notes:  
1.) Dimensions in parentheses are for reference only.

|          |                |           |                                                                                                                                                                                                                                               |                       |                                  |                     |     |           |                            |     |                                                                                                                                                                    |                                                                                                              |
|----------|----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|---------------------|-----|-----------|----------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|          | Name           | Date      | Effective Focal Length (EFL)<br>3.85mm                                                                                                                                                                                                        | Format Type<br>1/2"   | Nominal Resolution<br>4-5MP, 3μm | Image Circle        | FOV | Rectilin. | Distortion<br>F-θ TV (4:3) |     | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MILLIMETERS<br>TOLERANCES:<br>MECHANICAL:<br>X ± 1<br>X.X ± 0.1<br>X.XX ± 0.01<br>OPTICAL:<br>±5% OF NOMINAL VALUE | <div>THIRD ANGLE</div>  |
| Drawn    | Jason Holtkamp | 8/21/2024 | F/#                                                                                                                                                                                                                                           | Design Image Circle   | Max Image Circle                 | 4.0mm               | 55° | -1.5%     | /                          | 0%  |                                                                                                                                                                    |                                                                                                              |
|          |                |           | 3.0                                                                                                                                                                                                                                           | 7.8mm                 | 8.2mm                            | 7.0mm               | 85° | 0%        | /                          | <1% |                                                                                                                                                                    |                                                                                                              |
|          |                |           | Chief Ray Angle (CRA)                                                                                                                                                                                                                         | Operating Temperature | Storage Temperature              | 8.0mm               | 92° | +0.8%     | /                          | <1% |                                                                                                                                                                    |                                                                                                              |
| Checked  |                |           | 14° @ 8.0mm ImCirc                                                                                                                                                                                                                            | /                     | /                                | TITLE               |     |           |                            |     | DATE                                                                                                                                                               |                                                                                                              |
|          |                |           | Optical Construction                                                                                                                                                                                                                          | Barrel Material       | Weight                           | 3.8mm M12 Lens      |     |           |                            |     | 8/21/2024                                                                                                                                                          |                                                                                                              |
|          |                |           | 8G                                                                                                                                                                                                                                            | AL6061                | 9.4g                             |                     |     |           |                            |     |                                                                                                                                                                    |                                                                                                              |
| QA Appr. |                |           | <div> <b>Commonlands LLC</b><br/>San Diego, CA<br/>+1 (858) 333-7325, <a href="mailto:engineering@commonlands.com">engineering@commonlands.com</a></div> |                       |                                  | PART NUMBER         |     |           |                            |     | SHEET 1 OF 1                                                                                                                                                       | REV<br>1                                                                                                     |
|          |                |           |                                                                                                                                                                                                                                               |                       |                                  | CIL038-F3.0-M12A650 |     |           |                            |     | DO NOT SCALE                                                                                                                                                       |                                                                                                              |