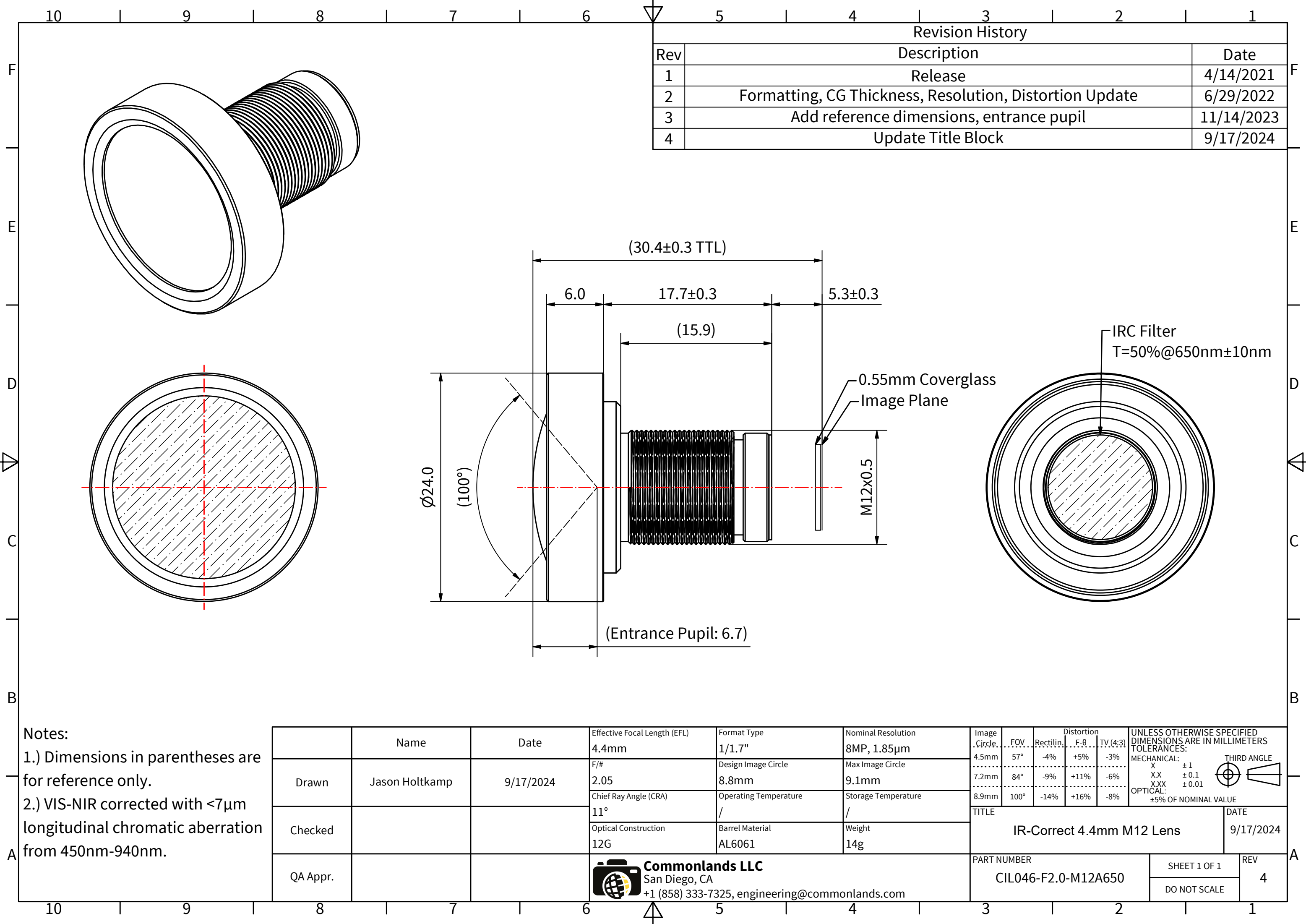




Revision History		
Rev	Description	Date
1	Release	4/14/2021
2	Formatting, CG Thickness, Resolution, Distortion Update	6/29/2022
3	Add reference dimensions, entrance pupil	11/14/2023
4	Update Title Block	9/17/2024

Notes:

- 1.) Dimensions in parentheses are for reference only.
- 2.) VIS-NIR corrected with <7µm longitudinal chromatic aberration from 450nm-940nm.

	Name	Date	Effective Focal Length (EFL) 4.4mm	Format Type 1/1.7"	Nominal Resolution 8MP, 1.85µm	Image Circle 4.5mm	FOV 57°	Distortion Rectilin. -4%	F-θ +5%	TV (4:3) -3%	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: MECHANICAL: X ± 1 XX ± 0.1 XXX ± 0.01 OPTICAL: ±5% OF NOMINAL VALUE		
Drawn	Jason Holtkamp	9/17/2024	F/# 2.05	Design Image Circle 8.8mm	Max Image Circle 9.1mm	7.2mm	84°	-9%	+11%	-6%	THIRD ANGLE 		
			Chief Ray Angle (CRA) 11°	Operating Temperature /	Storage Temperature /	8.9mm	100°	-14%	+16%	-8%			
			Optical Construction 12G	Barrel Material AL6061	Weight 14g								
Checked						TITLE IR-Correct 4.4mm M12 Lens						DATE 9/17/2024	
QA Appr.			 Commonlands LLC San Diego, CA +1 (858) 333-7325, engineering@commonlands.com			PART NUMBER CIL046-F2.0-M12A650					SHEET 1 OF 1		REV 4
											DO NOT SCALE		