



**Optic
Clear
Solutions**

**KleArmor™
Red Laser Blocking
655nm to 685nm**

Catalog Listing
91578GU-LLWWXXX-
SLb-Cx-U

Drawn by: RPH	Revision: A Date: Aug 08, 2020	Scale: None
Tolerances: See Figure	Approval: Sam Truong	Sheet 1 of 1
Optic Clear Solutions LLC, California		

Notes: Unless Otherwise Specified.

1. Material: UV stabilized, colored, polymethylmethacrylate sheet per ASTM-D4802, Category 1A, preshrunk and annealed per MIL-P-5425. Molecular Cross Linked 2%. Material is effective in blocking Red Laser Light in the 655nm to 685 nm band.
2. Finish: Specular
3. Color: Blue Tint
4. Cross Section: .015 to .250 +/- 10% inches
5. Sizes: Per Customer Requirements
6. Sheets are provided with protective masking.
7. Optical Specifications:
 - a. Index of Refraction: 1.48 – 1.50
 - b. Photopic Transmittance: 40% @ 2854K Typical
 - c. Optical Density @ 660nm: 2.89
 - d. UV Transmission: 200nm – 400nm 5% max
 - e. NIR Transmission 700 – 950nm 2% max
 - f. Haze: 3 % max
 - g. Specular surface, scratch and dig: 60 – 40 max.
 - h. Inclusions: 0%
8. Surface Specifications:
 - a. Fluid Contamination Resistance: Meets MIL-STD-810G, Method 504, Procedure II
 - b. UV Resistance per ASTM 154
 - c. Scratch Resistance: Exceeds MIL-PRF-7788H
 - d. Scuff Resistance: Exceeds 10,000 cycles using .250" diameter CS-8 Weraser implement at 1Kg load, 60 cpm