ACOUSTO-OPTIC WORKSHEET

DATE	**CUSTOMER**			
LASER DETAILS				
LASER TYPE =				
WAVELENGTH (λ) =		WAVELENGTH RANGE =		
BEAM DIAMETER (d) =		OPTICAL POWER =		
POLARIZED:	❑ NO			
	❑ YES	❑ HORIZONTAL	❑ VERTICAL	
DIFFRACTION LIMITED	❑ YES	❑ NO	DIVERGENCE	
SELECTION APPLICATION FROM BELOW:				
AMPLITUDE MODULATION				
MINIMUM ACCEPTABLE DIFFRACTION EFFICIENCY =				
MODULATION FREQUENCY (Fm) =		CONTRAST (C) AT Fm =		
RISE TIME (T_R) =	DRIVER: ❑ ANALOGUE		❑ DIGITAL	
FREQUENCY SHIFTING				
MINIMUM ACCEPTABLE DIFFRACTION EFFICIENCY =				
FREQUENCY SHIFT =		OR	SHIFT RANGE =	
DEFLECTION				
MINIMUM ACCEPTABLE DIFFRACTION EFFICIENCY =				
RESOLUTION (N) / TIME BANDWIDTH PRODUCT ($\tau\Delta F$) =				
TOTAL DEFLECTION ANGLE (Θ_T) =				
DEFLECTION MODE:	❑ RANDOM ACCESS	ACCESS TIME =		
	❑ LINEAR	SCAN FREQUENCY =		
MODE LOCKING				
ACOUSTIC FREQUENCY (1/2 CAVITY MODULATION FREQUENCY) =				
WINDOW DESCRIPTON				
Q-SWITCHING				
MINIMUM ACCEPTABLE DIFFRACTION EFFICIENCY =				
OPERATING RF FREQUENCY:	❑ 24MHz	❑ 27.12MHz	❑ 50MHz	❑
OPTICAL WINDOW CONFIGURATION:	❑ PARALLEL WITH A/R COATING		❑ BREWSTER	

COMMENTS (APPLICATION DESCRIPTION/DIAGRAM) please continue overleaf if necessary

EMAIL TO CONTACT@LAMBDAPHOTO.CO.UK