



## OVERVIEW

Santa Barbara Infrared's 14000Z Series Reflective Target Projectors are turnkey test systems for testing FLIRs and other infrared imaging systems. The standard target projectors are assembled from SBIR's STC Series Collimators, Infinity Blackbodies and 300 Series Target Wheels. With the addition of IRWindows™ automated test software, SBIR's target projectors become fully integrated closed-loop automated hardware/software solutions.

## STANDARD CONFIGURATIONS

TARGET PROJECTOR MODEL #	CLEAR APERTURE	FIELD OF VIEW	# OF TARGETS	COLLIMATOR MODEL	BLACKBODY MODEL	TARGET WHEEL MODEL	ILLUMINATOR MODEL
14001Z	6.00"	2.75°	12	STC-630Z	2002GIW	314	330
14001Zi	6.00"	3.81°	12	STC-630Zi	DB-04	312i	335i
14003Z	8.00"	2.85°	12	STC-840Z	2003GIW	312	333
14003Zi	8.00"	2.85°	12	STC-840Zi	DB-04	312i	335i
14008Z	12.00"	2.85°	12	STC-1260Z	2004GIW	316	333
14008Zi	12.00"	2.85°	12	STC-1260Zi	DB-04	316i	331i

## COLLIMATOR SPECIFICATIONS

COLLIMATOR MODEL #	CLEAR APERTURE (INCHES)	FOCAL LENGTH (INCHES)	MAX TARGET SIZE		DIFFRACTION BLUR		
			ANGULAR (DEGREES)	LINEAR (INCHES)	0.6 μm (μRad.)	4 μm (μRad.)	10 μm (μRad.)
STC-630Z	6.00"	30.00"	2.75°	1.44"	9.61	64.04	160.10
STC-840Z	8.00"	40.00"	2.86°	2.00"	7.32	48.03	120.10
STC-1260Z	12.00"	60.00"	2.86°	3.00"	4.80	32.02	80.05

## Solutions

### for Every EO Test Requirement

30 S. Calle Cesar Chavez, Suite D • Santa Barbara, Ca. 93103  
 ph (805) 965-3669 • fax (805) 963-3858 • <http://www.sbir.com>

## BLACKBODY SPECIFICATIONS

See specific Infinity datasheet for blackbody dimensions and model specifications.

## TARGET WHEEL SPECIFICATIONS

See target wheel datasheet for specific dimensions and target wheel specifications.

## CUSTOM TARGET PROJECTORS

Custom target projectors are also available for many diverse applications. These target projector systems are incorporated into both military and commercial systems to meet the varied requirements of laboratory, depot and field environments. Many major programs depend on the unsurpassed quality of SBIR's custom target projector system combinations.



Model 13289



Model 13323



Model 13158

## ORDER INFORMATION

Please contact SBIR sales team at (805) 965-3669 to ensure proper part number and to receive a quotation.

*\* Specifications are subject to change without prior notice*

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