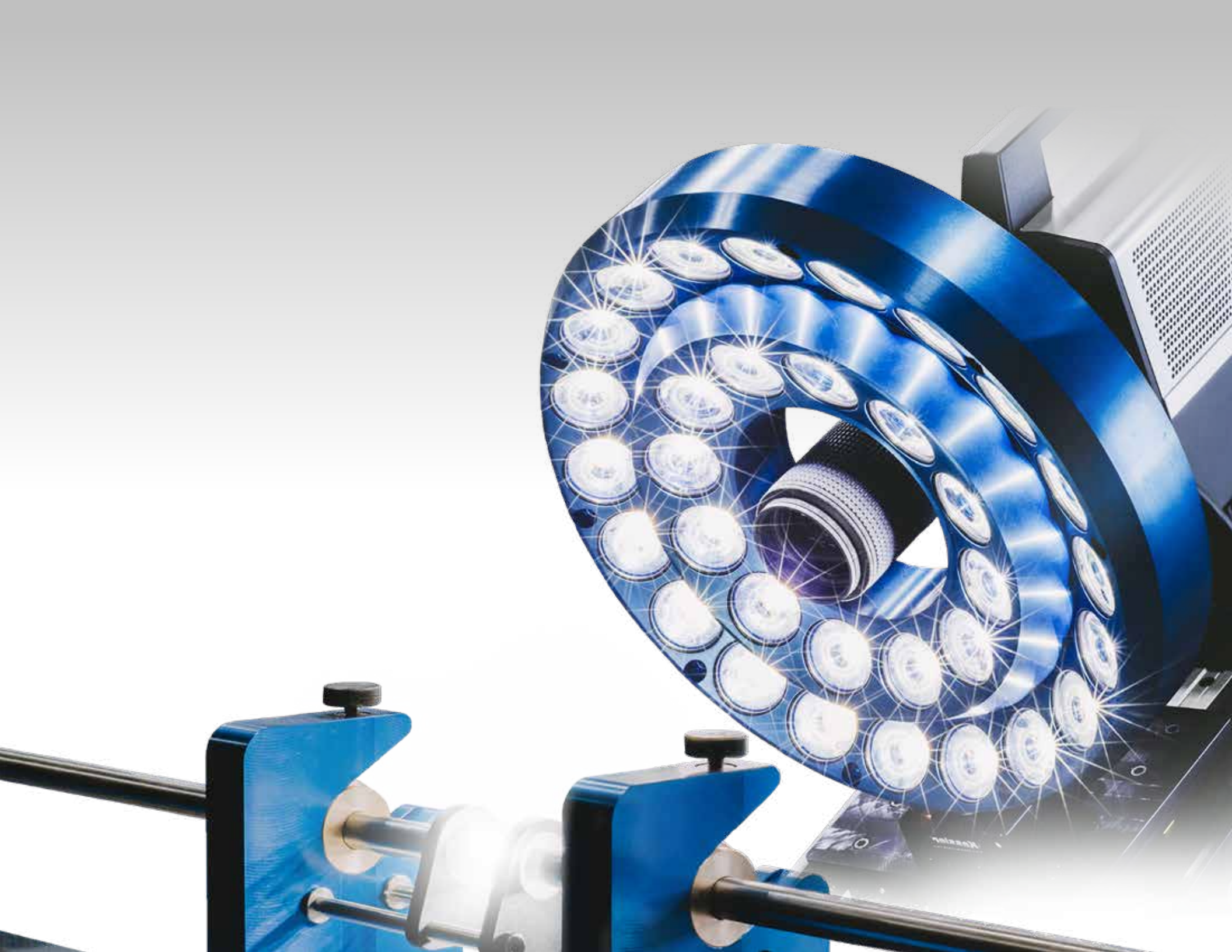
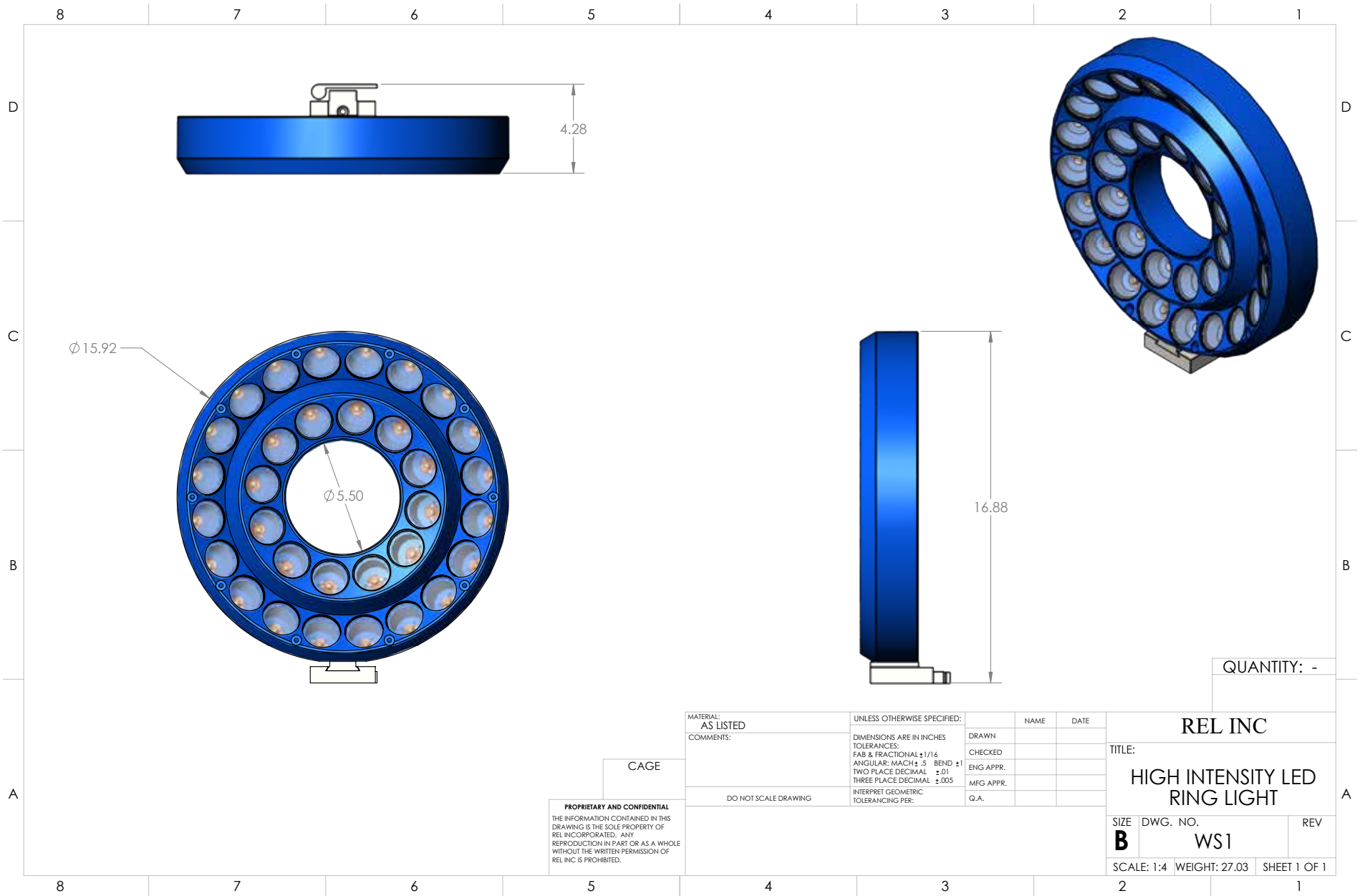




WS1

16" LED RING





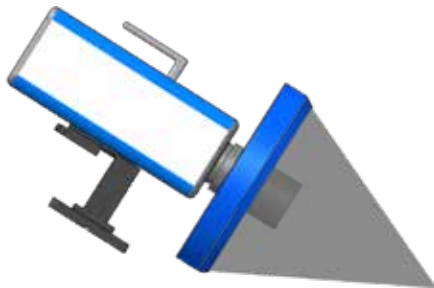
WS1

Finally, a reliable LED light for a 5 million fps camera. The visible spectrum WS1 allows the user to turn on and leave on during the test to avoid 'retesting due to triggering' that all experimentalists have experienced. This light focuses hundreds of watts of light power on an area of 1 in² at a fixed focal distance of 1 foot.

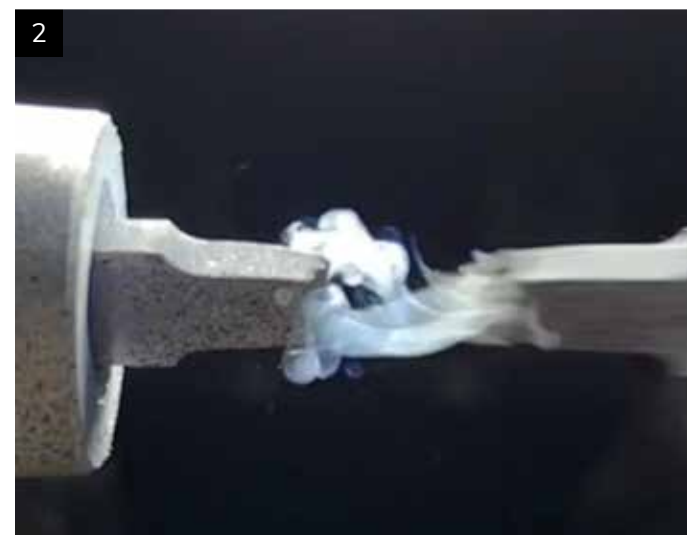
EQUIPMENT HIGHLIGHTS

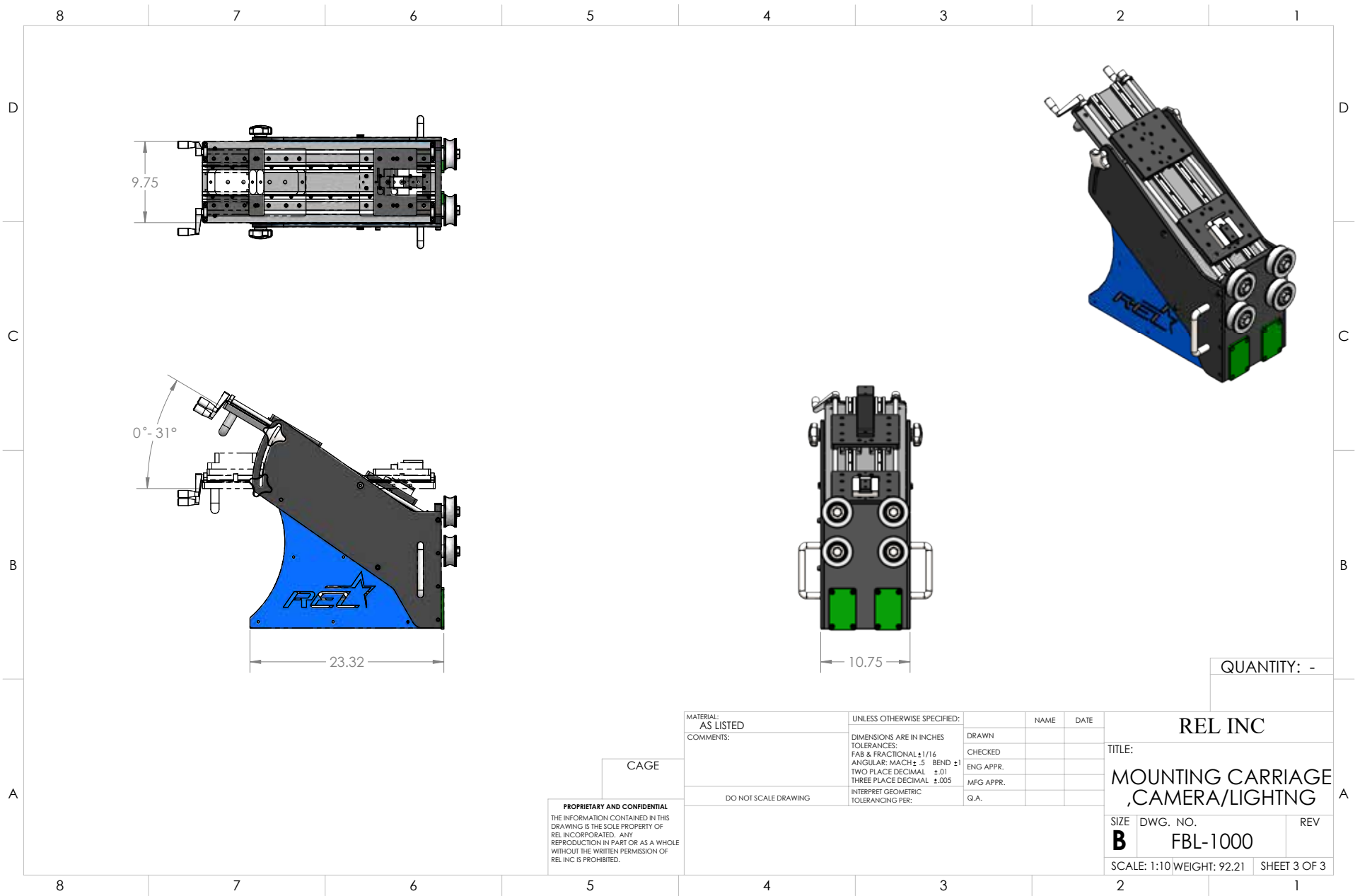
- ▲ High intensity fixed focal point light source (10 Mlux peak intensity)
- ▲ Illumination for up to 5M frames per second in many configurations
- ▲ 100% Duty Cycle at Maximum Output
- ▲ Low IR with minimal sample heating
- ▲ Precise dimming output control using hand held remote
- ▲ Tripod mounted and can work with any camera
- ▲ Durable and portable
- ▲ Dimensions: 16" OD x 6" ID x 2" Thick Ring
- ▲ Weight: 15 lbs.

BEAM PROFILE



1. CG2-100 Controller
2. Intense Lighting for capturing high speed events
3. WS1 used with REL's High Strain Rate Testing System





QUANTITY: -

MATERIAL: AS LISTED		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	REL INC	
COMMENTS:		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		MOUNTING CARRIAGE	
		FAB & FRACTIONAL ±1/16		ENG APPR.		, CAMERA/LIGHTING	
		ANGULAR: MACH ±.5 BEND ±1		MFG APPR.		SIZE DWG. NO.	
		TWO PLACE DECIMAL ±.01		Q.A.		REV	
		THREE PLACE DECIMAL ±.005				B FBL-1000	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:10 WEIGHT: 92.21 SHEET 3 OF 3	
DO NOT SCALE DRAWING							

CAGE

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REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
REL INC IS PROHIBITED.

MOUNTING CARRIAGE (FBL-1000)

- ▲ Integrally mount your WS1 light and camera system to REL's SHPB base platform
- ▲ Rolling carriage allows for convenient positioning for high strain rate test events
- ▲ Dimensions: 36"x18"x28"
- ▲ Weight: 85 lbs.





④	D	UTM-1800	REV A
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UNIVERSAL TRIPOD MOUNT (UTM-1800)

- ▲ Universal Tripod Mount System
- ▲ Support 250 pounds of lighting and camera gear
- ▲ 36"-84" adjustable height
- ▲ Machined geared housing for 90 degrees of tilt control and 360 degrees of pan control



WS SERIES OUTPUT DATA

Kit-Model #	Power Supply (# of Lamps in Kit)	Lamp voltage	Power Output	Beam Angle	Candela	Lumen	Intensity	Spot Diameter	Distance
WS1-K	PS1-36V	36 Volts	600W	-	-	50k	10 M lux	25mm	300mm
WS2-K	PS1-48V	48 Volts	600W	5 Deg	2400k	60k	150 k lux	0.3m	4m
WS2-K4	PS2-48V (4xWS2)	48 Volts	2400W	5 Deg	9600k	240k	600 k lux	0.3m	4m
WS3-K	PS1-LITE	54 Volts	600W	28 Deg	147k	66k	9.2 k lux	1.9m	4m
WS3-K2	PS2 (2xWS3)	54 Volts	1200W	28 Deg	294k	132k	18.4 k lux	1.9m	4m
WS3-K4	PS2 (4xWS3)	54 Volts	2400W	28 Deg	588k	264k	36.8 k lux	1.9m	4m
WS3-41-K	PS1-LITE	54 Volts	600W	41 Deg	58k	66k	3.6k lux	3.0m	4m
WS3-41-K2	PS2 (2xWS3)	54 Volts	1200W	41 Deg	116k	132k	7.2k lux	3.0m	4m
WS3-41-K4	PS2 (4xWS3)	54 Volts	2400W	41 Deg	232k	264k	14.4k lux	3.0m	4m
WS3-PS4-K	PS4	54 Volts	3.5kW	28 Deg	472k	211k	29.5k lux	1.9m	4m
WS3-PS4-K2	PS4 (2xWS3)	54 Volts	6kW	28 Deg	880k	394k	55k lux	1.9m	4m
WS3-PS4-K4	PS4 (4xWS3)	54 Volts	11kW	28 Deg	1696k	760k	106k lux	1.9m	4m
WS4-K	PS5	54 Volts	240W	15 Deg	164k	16k	10.5k lux	1.0m	4m



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