

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WELCH ALLYN, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT OR DEVICES WITHOUT WRITTEN PERMISSION.

16300331

REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL

1. LAMP TYPE REFLECTORIZED LAMP (ELLIPTICAL), C-6 FILAMENT, HALOGEN REGENERATIVE CYCLE
2. RATED VOLTAGE 5.00 ±.01 VOLTS D.C.
3. CURRENT 2.000 ±5% AMPS
4. COLOR TEMPERATURE 2880 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER 8.40 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE)
6. FOCAL DISTANCE 1.00" ±.05" FROM THE REFLECTOR RIM
7. END LIGHT OUTPUT WITH THE REFLECTOR RIM 1.00" FROM A .100" DIA. APERTURE AND .50" FROM THE APERTURE TO THE COSINE SURFACE OF THE EG&G COSINE PHOTOMETRIC PROBE, THE LIGHT OUTPUT SHALL BE A MINIMUM OF 840 FOOTCANDLES. THIS MEASUREMENT SHALL BE PERFORMED USING AN EG&G MODEL 550 RADIOMETER/PHOTOMETER SYSTEM EQUIPPED WITH A 550-18 COSINE PHOTOMETRIC PROBE
8. DESIGN LIFE 5000 HOURS AVERAGE (LAB RATED) TESTED IN AMBIENT AIR WITH G4 SOCKET AS ONLY HEAT SINK. RECOMMENDED MAXIMUM HEAT SINK IS .5 IN³ AL WITH 4 IN² AREA. REFLECTOR NECK OPERATING TEMPERATURE 240 °F TO 325 °F.
9. SPOT SIZE AT A DISTANCE OF 1.00" FROM THE REFLECTOR RIM, THE MINOR DIAMETER OF THE OVAL SPOT SHALL BE .240" MINIMUM DIA. WHICH IS LOCATED ON AXIS TO THE REFLECTOR. SPOT SIZE IS DETERMINED BY THE POINT AT WHICH 50% OF THE CENTER INTENSITY IS REACHED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN	DATE	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			PMB	12/1/94				
BASIC DIMENSION	.XX	.XXX	CHECKED	12/1/94	TITLE:			
UP TO 6	±.02	±.005	APPROVED	12/1/94	LAMP SPECIFICATIONS FOR 8208-004			
ABOVE 6 TO 24	±.03	±.010	REL. FOR PROD.	12/5/94	CODE IDENT	DRAWING NO.	REV.	
ABOVE 24	±.06	±.015	DAB		64475		A	16300331
ANGLES ± 1/2 DEGREE			DO NOT SCALE		SCALE	SHEET		OF