

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.

16300427

A

REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL
A	RELEASE TO PROD.	3-1866	2/9/98	DAB

1. LAMP TYPE REFLECTORIZED LAMP (ELLIPTICAL), C-6 FILAMENT, HALOGEN REGENERATIVE CYCLE
2. RATED VOLTAGE 12.0 ±.01 VOLTS D.C.
3. CURRENT 1.70 ±5% AMPS
4. COLOR TEMPERATURE 3050 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER 28.40 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE)
6. FOCAL DISTANCE 1.4" ±.05" FROM THE REFLECTOR RIM
7. END LIGHT OUTPUT WITH THE REFLECTOR RIM 1.4" 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 2300 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 2000 HOURS AVERAGE (LAB RATED - ESTIMATED) TESTED IN AMBIENT AIR WITH G4 SOCKET AS ONLY HEAT SINK.
9. SPOT SIZE AT A DISTANCE OF 1.4" FROM THE REFLECTOR RIM, THE MINOR DIAMETER OF THE OVAL SPOT SHALL BE .260" 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 PMB	DATE 2/4/98	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.				
TOLERANCES ON:			CHECKED						TITLE: LAMP SPECIFICATIONS FOR 8211-008
BASIC DIMENSION	.XX	.XXX	APPROVED RAD	2/6/98	CODE IDENT 64475	A	DRAWING NO. 16300427	REV. A	
UP TO 6	±.02	±.005	REL. FOR PROD. DAB	2/9/98	SCALE		SHEET	OF	
ABOVE 6 TO 24	±.03	±.010	DO NOT SCALE						
ABOVE 24	±.06	±.015							
ANGLES ± 1/2 DEGREE									