



SUBJECT:

SETTLING ZINC PHOSPHATE  
 FLUORESCENT SCREENS  
 Process Specification

SUPERSEDES Feb. 16, 1954

SCHEDULE NO. 1

MAY 1955

(Initially for Tube Type C73616A)

1. EQUIPMENT: As specified in 34-17-14.

2. MATERIALS: Z639 Zinc Phosphate Phosphor Suspension----- 68.7cc  
 \* P264D 16% Potassium Silicate Solution-----\* 160cc  
 P69B 1-N Potassium Sulfate Solution----- 250cc  
 W60D Deionized Water-----\* 1440cc

3. PROCEDURE

		<u>Quantities per Bulb</u>	
a. Material		<u>Cushion Layer</u>	<u>Phosphor Layer</u>
→	Deionized Water	* 1140cc	300cc
	Phosphor at 20 mg/cc		68.7cc
→	Potassium Silicate Binder	* 160cc	
	Potassium Sulfate Electrolyte	250cc	

- b. Time interval between cushion layer and phosphor layer 5-10 minutes.
- c. Temperature of deionized water 10.6-11.7°C (51.8-53.6°F)
- d. Height of spray tip above cushion layer - controlled so that spray does not contact sides of bulb.
- e. Spray tip - fine spray tip.
- f. Settling time for phosphor layer - one (1) hour minimum.
- g. Pour off time - 8-10 minutes.
- h. Air dry.

SCALE—

DIMENSIONS IN

UNLESS OTHERWISE SHOWN.

End of Schedule #1  
 DIMENSIONS SHOWN WITHOUT TOLERANCES ARE DESIGN CENTERS

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\* CHANGE  
 \*\* ADDITION  
 \*\*\* DELETION

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