

ELECTRONIC TUBE REFERENCE

CL50

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

LIGHTSOURCE

Heated mercury-argon gas-discharge linear light source with output approximately proportional to anode current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 LightSource
No fixed ratings recorded.
Heated gas-discharge linear light-source section.

The Ferranti CL50 is a heated gas-discharge linear light source with mercury/argon filling; its light output is approximately proportional to anode current.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 FERRANTI

Section 1 · LightSource

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	1.25 A	—
Gas Filling	Mercury/Argon text	—
Minimum Supply Voltage	375 V	—
Minimum Cathode Current	8 mA	MaintainDischarge
Anode-Cathode Voltage Drop	35 V	Approximate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Mean Anode Current	50 mA	—
Maximum Peak Cathode Current	100 mA	—