

# Comparison Chart

(For 100 feet using 3500K tri-phosphor lamps)

FACTOR	NEON	FLUORESCENT	COLD CATHODE
Lumens P.L.F.	84 to 186	725 to 1300	<b>296 to 768</b>
Watts P.L.F.	7.9 and up	10 and up	<b>6.5 and up</b>
Life	25K maximum	20K/50% failure	<b>30K minimum</b>
Ignition	Minus 10° F	Plus 50° F	<b>Minus 10° F</b>
Bendability	1" radius	N/A	<b>3" to 2½" radius</b>
Color	Many	Limited palette	<b>Many</b>
Length	Custom	Standard	<b>Custom</b>
Vibration Proof	Yes	No	<b>Yes</b>
Dimming	Custom	Limited	<b>Standard</b>
Voltage	All	All	<b>All</b>
Radio free interference	Yes	No	<b>Yes</b>
Dark spots/shadows	Yes	Yes	<b>No</b>
Applications	Signage	Direct/indirect	<b>Direct/indirect/custom</b>

nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp nationalcathodecorp



269 Essex Street, Hackensack, NJ 07601  
Toll Free: (800) 926-5322  
Telephone: (201) 457-9770  
Fax: (201) 457-9775  
E-Mail: sales@nationalcathode.com