

System Type	System TNP Standard-Output Transformer-Operated Cold Cathode <small>(CATALOG PAGES A & AA)</small>	System BNP-HO High-Output Ballast- Operated Cold Cathode <small>(CATALOG PAGES B & BB)</small>	System BNP Standard-Output Ballast-Operated Cold Cathode <small>(CATALOG PAGES C & CC)</small>	System BNP-HO-EX High-Output Ballast- Operated Cold Cathode for Export <small>(CATALOG PAGES D & DD)</small>	System BNP-EX Standard-Output Ballast-Operated Cold Cathode for Export <small>(CATALOG PAGES E & EE)</small>
Applications	Commercial	Commercial	Residential and Commercial	Commercial	Residential and Commercial
Dimmable	Yes, to 10%	Yes, to 20%	Yes, to 20%	Yes, to 20%	Yes, to 20%
Lampholder Type	TL (surface) & TL-R (recess)	BL (surface) & BL-R (recess)	BL (surface) & BL-R (recess)	BL (surface) & BL-R (recess)	BL (surface) & BL-R (recess)
Power Supply Type and Secondary Voltage	High-voltage magnetic transformer 5000-9000 volts	990-volt magnetic ballast	900-volt magnetic ballast	990-volt magnetic ballast	990-volt electronic ballast
Sound Rating	C (31-36 decibels)	B (25-30 decibels)	A (20-24 decibels)	25-30 decibels	20-24 decibels
Type of Electrical Circuit	Series	Parallel	Parallel	Parallel	Parallel
Built-in Safety Features	Ground fault protection (as of 12/2002)	Safety circuit interrupt	Safety circuit interrupt	Safety circuit interrupt	Open circuit and overload protection
Primary Voltages Available	120 volts 60 Hz 277 volts 60 Hz	120 volts 60 Hz 277 volts 60 Hz	120 volts 60 Hz	220-240 volts 50 Hz	236 volts and 100-120 volts 50/60 Hz
Maximum Lamp Length(s) Permitted on Each Transformer/Ballast	Multiple lamps up to 80 feet in combined length	One lamp up to 8 feet long	One lamp up to 7.5 feet long	One lamp up to 2400mm long	One lamp up to 2200mm long
Maximum Distance Transformer/Ballast May Be Remotely Located from Lamp(s)	20 feet	65 feet	55 feet	16 meters	1 meter
Lamp Life	50,000 hours+	40,000 hours+	50,000 hours+	40,000 hours+	50,000 hours+
Lamp Current (mA)	100 mA	200 mA	100 mA	200 mA	90 mA
Lumen Output ^①	386 lumens per linear foot	709 lumens per linear foot	386 lumens per linear foot	2340 lumens per linear meter	1274 lumens per linear meter
Lumens per Watt ^{① ②} (efficacy)	55 lumens/watt	65 lumens/watt	55 lumens/watt	65 lumens/watt	55 lumens/watt
VA per Foot/Meter ^{② ③}	7.0 per foot HPF 13.5 per foot NPF	13.5 per foot HPF 28.0 per foot NPF	13.5 per foot NPF	43.0 per meter HPF 92.0 per meter NPF	23.0 per meter HPF
Approximate Watt Consumption ^②	7.5 watts per foot	15 watts per foot	7.5 watts per foot	48 watts per meter	26 watts per meter
System Restrictions	R-1 & R-2	R-3	R-1	R-3	R-1

① Based on 30TC warm white

② Actual values will vary based upon lamp footage/meters

③ HPF = power factor corrected transformers/ballasts
NPF = normal power factor transformers/ballasts

R-1 = Interior dry location only

R-2 = Lamps cannot be installed below 8'-6" height without provisions to make them inaccessible (US & Canada)

R-3 = Dry and protected damp locations only