

Watt-age	Lamp Number	Base	Bulb	Length (MOL)	Rated Lumens	Color Temperature(s)	CRI	Life ① (hours)	Notes
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**Quad Tube Compact Fluorescent** 

26	CFQ26W/G24q	G24q-3	T4	6-1/2"	1,800	2700/ <b>3000</b> /3500/4100K	82	12,000	
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**Hex Tube Compact Fluorescent** 

32	CFTR32W/GX24q	GX24q-3	T4	4-7/8"	2,400	2700/ <b>3000</b> /3500/4100K	82	12,000	
42	CFTR42W/GX24q	GX24q-4	T4	5-5/8"	3,200	2700/ <b>3000</b> /3500/4100K	82	12,000	

**Long Twin Tube Compact Fluorescent** 

36/39	FT36-39W/2G11	2G11	T5	16-1/2"	2,900	<b>3000</b> /3500/4100K	82	20,000 (RS)	
40	FT40W/2G11	2G11	T5	22-1/2"	3,300	<b>3000</b> /3500/4100K	82	20,000 (RS)	
50	FT50W/2G11	2G11	T5	22-1/2"	4,300	<b>3000</b> /3500/4100K	82	20,000 (RS)	
55	FT55W/2G11	2G11	T5	21-1/8"	4,800	<b>3000</b> /3500/4100K	82	12,000 (IS)	
80	FT80W/2G11	2G11	T5	22-1/2"	6,000	<b>3000</b> /3500/4100K	82	20,000	

**T5 Linear Fluorescent** 

14	F14T5	Miniature Bipin	T5	22-3/16"	1,350	<b>3000</b> /3500/4100K	85	20,000	
21	F21T5	Miniature Bipin	T5	34"	2,100	<b>3000</b> /3500/4100K	85	20,000	
28	F28T5	Miniature Bipin	T5	45-13/16"	2,900	<b>3000</b> /3500/4100K	85	20,000	
35	F35T5	Miniature Bipin	T5	57-5/8"	3,650	<b>3000</b> /3500/4100K	85	20,000	

**T5 HO Linear Fluorescent** 

24	F24T5HO	Miniature Bipin	T5	22-3/16"	2,000	<b>3000</b> /3500/4100K	82	20,000	
39	F39T5HO	Miniature Bipin	T5	34"	3,500	<b>3000</b> /3500/4100K	82	20,000	
55 (54)	F54T5HO	Miniature Bipin	T5	45-13/16"	5,000	<b>3000</b> /3500/4100K	82	25,000	
80	F80T5HO	Miniature Bipin	T5	57-5/8"	7,500	<b>3000</b> /3500/4100K	82	20,000	

**T8 Fluorescent** 

17	F17T8	Medium Bipin	T8	24"	1,400	3000/3500/4100K	75-95	24,000 (RS)	
25	F25T8	Medium Bipin	T8	36"	2,225	3000/3500/4100K	75-95	24,000 (RS)	
32	F32T8	Medium Bipin	T8	48"	2,950	3000/3500/4100K	75-95	30,000 (RS)	
40	F40T8	Medium Bipin	T8	60"	3,775	3000/3500/4100K	75-95	24,000 (RS)	

**Notes:**

① Average rated life is the number of hours at which 50% of a large group of lamps are still operating. Fluorescent lamp life is based on 3 or more operating hours per start. Average life may increase or decrease as the period per start increases or decreases.



**General:**

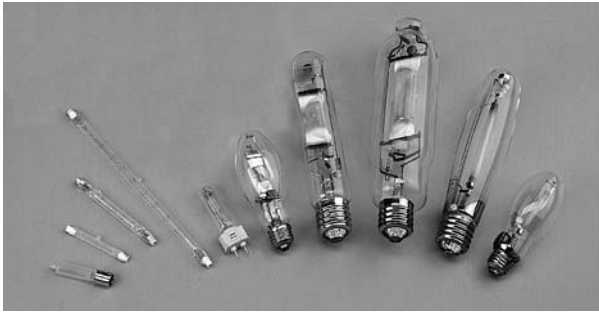
All **elliptipar** compact fluorescent, long twin tube and T5 fluorescent luminaires are furnished with lamp(s). **Furnished lamps are denoted by grey background.** Standard fluorescent lamp color temperature furnished is 3000K. Chart also lists alternative lamp color temperatures; consult your local sales representative for availability and lead times.

T8 lamps are supplied by others.

Lamp ratings may vary with lamp manufacturer.



# Indoor Lamp Information Metal Halide / Tungsten Halogen



### General:

All **elliptipar** metal halide, tungsten halogen and incandescent luminaires are furnished with lamp(s). Lamp ratings may vary with lamp manufacturer.

### Metal Halide:

Use clear, compact envelope metal halide lamps.

### Ceramic Arc Tube Pulse Start Metal Halide:

20-400W metal halide luminaires are furnished with single ended lamps using ceramic arc tubes that yield higher light output than lamps with quartz arc tubes. They offer improved lamp-to-lamp color consistency and a more stable color temperature over their rated life ( $\pm 200\text{K}$ ). Standard lamp color temperature is 3000K, 80+ CRI.

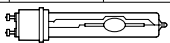
### Quartz Arc Tube Pulse Start Metal Halide:


250-400W pulse start (1000W probe start) metal halide luminaires are furnished with horizontal burning mogul base metal halide lamps. Standard lamp color temperature is 4000K, 68 CRI.


### Tungsten Halogen:

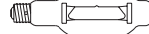
Use frosted tungsten halogen lamps where available for 100-250W.




Wattage	Lamp Code	Lamp Number	Base	Envelope	Length (MOL)	Initial Lumens	Color Temp.	CRI	Rate Life (hours) ①	Notes
<b>Ceramic Arc Tube Pulse Start Metal Halide Universal Burning (Small or Large Reflector)</b> 										
20	<b>020G</b>	CMH20/T4.5	G8.5	T4.5	3-3/8"	1,650	3000K	81	12,000	
35/39	<b>035G</b>	CDM35/T6/830	G12	T6	3-15/16"	3,300	3000K	81	12,000	
70	<b>070G</b>	CDM70/T6/830	G12	T6	3-15/16"	6,600	3000K	81	12,000	
150	<b>150G</b>	CDM150/T6/830	G12	T6	4-11/32"	14,000	3000K	85	12,000	
210	<b>210C</b>	CDM Elite MW 210/T9/930/U/E	PGZ18	T9	7-1/2"	24,200	3000K	90	20,000	②
250	<b>250C</b>	CMH250/U/830/R	Mogul	T15	9-3/4"	25,000	3000K	85	16,000	
315	<b>315C</b>	CDM Elite MW 315/T9/930/U/E	PGZ18	T9	7-1/2"	37,800	3000K	90	20,000	②
400	<b>400C</b>	CMH400/U/830/R	Mogul	ED18	9-3/4"	41,000	3000K	80	20,000	

<b>Quartz Arc Tube Pulse Start Metal Halide Tubular Envelope Horizontal Burning (Large Reflector)</b> 										
250	<b>250P</b>	MS 250W/H75/T15/PS/740	Mogul	T15	8-5/16"	22,000	4000K	68	15,000	
320	<b>320P</b>	MS 320W/H75/T15/S/PS/740	Mogul	T15	8-5/16"	30,000	4000K	68	20,000	
350	<b>350P</b>	MS 320W/H75/T15/PS/740	Mogul	T15	11-1/2"	33,000	4000K	68	20,000	

<b>Quartz Arc Tube Pulse Start Metal Halide Standard Envelope Horizontal Burning (Xtra-Large Reflector)</b> 										
250	<b>250P</b>	MS 250W/H75/PS/740	Mogul	ED28	8-5/16"	22,000	4000K	68	15,000	
320	<b>320P</b>	MS 320W/H75/ED28/PS/740	Mogul	ED28	8-5/16"	30,000	4000K	68	20,000	
350	<b>350P</b>	MS 350W/H75/ED28/PS/740	Mogul	ED28	8-5/16"	33,000	4000K	68	20,000	
400	<b>400P</b>	MS 400W/H75/ED28/PS/740	Mogul	ED28	8-5/16"	40,000	4000K	68	20,000	

<b>Quartz Arc Tube Probe Start Metal Halide Tubular Envelope Horizontal Burning (Xtra-Large Reflector)</b> 										
1000	<b>1000</b>	MS 1000W/HOR/BT37/3K	Mogul	BT37	11-1/2"	115,000	3400K	70	12,000	

<b>Tungsten Halogen</b> 										
100	<b>0100</b>	Q100DC	D.C. Bayonet	T4	2-7/16"	1,550	2800K	>95	2,000	
150	<b>0150</b>	Q150DC	D.C. Bayonet	T4	2-7/16"	2,700	2900K	>95	2,000	
200	<b>0200</b>	Q200T3	RSC	T3	3-1/8"	3,400	2900K	>95	2,000	
250	<b>0250</b>	Q250DC	D.C. Bayonet	T4	3"	4,800	3000K	>95	2,000	
300	<b>0300</b>	Q300T3	RSC	T3	4-11/16"	5,770	2900K	>95	2,000	
350	<b>0350</b>	Q350/CL/HIR	RSC	T3	4-11/16"	10,000	3075K	>95	2,000	③
500	<b>0500</b>	Q500T3	RSC	T3	4-11/16"	10,700	3000K	>95	2,000	
900	<b>0900</b>	Q900/CL/HIR	RSC	T3	10-1/16"	32,000	3160K	>95	2,000	③ ④
1000	<b>1000</b>	Q1000T3/CL	RSC	T3	10-1/16"	21,500	3000K	>95	2,000	⑤

<b>Incandescent</b> 										
25	<b>025</b>	25T6-1/2/F	Intermediate	T6-1/2	5-1/2"	240	2600K	>95	1,000	
40	<b>040</b>	40T6-1/2/2F	Intermediate	T6-1/2	5-1/2"	420	2600K	>95	750	

### Notes:

- ① Average rated life is the approximate hours at which 50% of a large group of lamps are still operating. Metal halide lamp life is based on 10 or more operating hours per start and may increase or decrease as the hours per start increases or decreases.
- ② New Ceramic Arc Tube lamps with 90 CRI, 20,000 hours life and up to 120 lumens per watt.
- ③ 350 and 900W IR coated tungsten halogen lamps yield approximately the same light output as conventional 500 and 1500W lamps respectively.
- ④ 900W tungsten halogen lamp available in 240V and 277V only.
- ⑤ 1000W tungsten halogen lamp available in 120V, 220V, and 240V.