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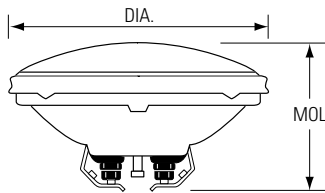
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## BULB IDENTIFICATION



DIA. in.: Diameter of bulb at widest point.

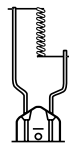
MOL in.: Maximum Overall Length including base or pins.

LCL in.: Distance between the center of the filament and the Light Center Length reference plane.

Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

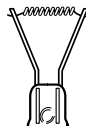
## FILAMENT IDENTIFICATION



**C-8**  
CC-8



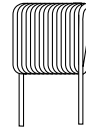
**C-2V**  
CC-2V



**C-6**  
CC-6



**C-8**  
CC-8



**C-6**  
Oval

## BASE IDENTIFICATION



**2-Pin (Round)**  
GX5.3



**Can DC Bay**



**2-Pin**  
GY6.35



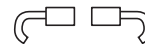
**Recessed Single Contact**  
R7s



**Screw Terminals**



**4" Leads**



**1" Ribbon Leads**



**6" Flex Leads**



**2-Pin**  
GU4



**2-Pin**  
GU5.3



**2-Pin**  
G4



**Turn & Lock**  
GU7



**GU10**



**G8**



**G9**



**2-Pin Pf**



**Min Screw**  
E10



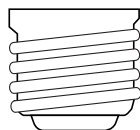
**DC Bay**  
BA15d



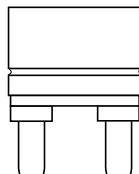
**Min Cand**  
E11



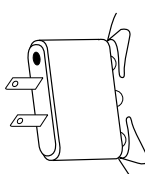
**Med Screw**  
E26



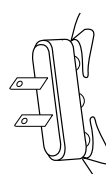
**Mog Screw**  
E39



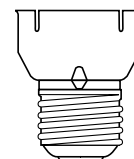
**Mogul BiPost**  
G38



**Ext. Mog End Pr**  
GX16d



**Mog End PR**  
GX16d



**Med Skirted**  
E26/50x39



## INTRODUCTION

Halogen lamps provide a small, white light source with excellent color rendering. Unlike standard incandescent lamps, halogen lamps use a halogen gas which allows the bulbs to burn longer without sacrificing light output.

Compared to incandescent lamps, halogen lamps provide:

- Crisp, white light
- Excellent beam control
- Compact size
- High lumen maintenance
- Long life

## PRODUCT INFORMATION

### PAR38\* VS. STANDARD HALOGEN

#### **Retail HIR™ (PAR38) (pg 2-5)**

- Up to 42% more efficient
- Up to 27% energy savings
- Up to 60% longer life – 4000 hours

#### **HIR XL® UltraLong Life (PAR38) (pg 2-5)**

- Up to 13% energy savings
- Ultra long life – 6000 hours

#### **HIR™ (PAR38) (pgs 2-5 to 2-6)**

- Up to 28% more efficient
- Up to 22% energy savings
- Up to 20% longer life – 3000 hours

#### **Silver Saver™ (PAR38) (pg 2-6)**

- Up to 14% more efficient
- Up to 12% energy savings
- Up to 20% longer life – 3000 hours

#### **Halogen Plus (PAR38) (pgs 2-6 to 2-7)**

- Longer life than standard halogen – 2500 hours
- Wide variety of wattages and beam spreads

#### **Standard Halogen (PAR38) (pg 2-7)**

- Crisp, white light
- Life – 2000 hours

#### **Quartzline® (PAR38) (pg 2-7)**

- High light output for long throws (250 watt)
- Long life – 4200 hours

### COMPACT PAR

#### **Compact HIR™ (PAR30) (pg 2-7)**

- Most efficient PAR30
- Long life – 4000 hours

#### **Long Neck PAR30 Halogen (PAR30L) (pgs 2-7 to 2-8)**

- Energy efficient replacement for R30 lamps
- Ideal for recessed fixtures

#### **Compact PAR Halogen (PAR20/PAR30) (pg 2-8)**

- Small size for “low profile” fixture
- Energy efficient replacement for R20/R30 lamps
- Long life – 3000 hours

#### **Diamond Precise® Electronic (MR16)° (pg 2-9)**

- 58% energy savings vs 50PAR20/50R20
- 2X longer life than 50PAR20/50R20 – 5000 hours
- Precise beam control, 90% lumen maintenance
- 120V Edison base, fully dimmable

### MR

#### **Turn & Lock (TAL) ConstantColor® (MR16) (pg 2-11)**

- User-friendly base... easy to install and remove
- Over 90% maintained light over life
- Virtually no color shift
- Suitable for use in open fixtures

#### **ConstantColor® Precise™ Cover Glass (MR16) (pgs 2-11 to 2-12)**

- Cover glass lens protects bulb from dust and dirt
- Suitable for use in open fixtures

#### **ConstantColor® Precise™ (MR16) (pg 2-12)**

- Precise beam control
- No color shift
- Over 90% maintained light output over life
- Long life – up to 6000 hours (50-watt)

#### **Precise™ Cover Glass IR (MR16) (pg 2-13)**

- Energy saving MR16
- 4000 hour lamp life

#### **Standard MR (MR16/MR11) (pgs 2-13 to 2-14)**

- Small size for “low profile” look
- Crisp, white light

### LINEAR QUARTZ

#### **Linear Quartzline® HIR™ (pgs 2-14 to 2-15)**

- 30%-40% energy cost savings vs. standard quartz lamps
- 95% maintained light output over life
- Cooler operation increases fixture life

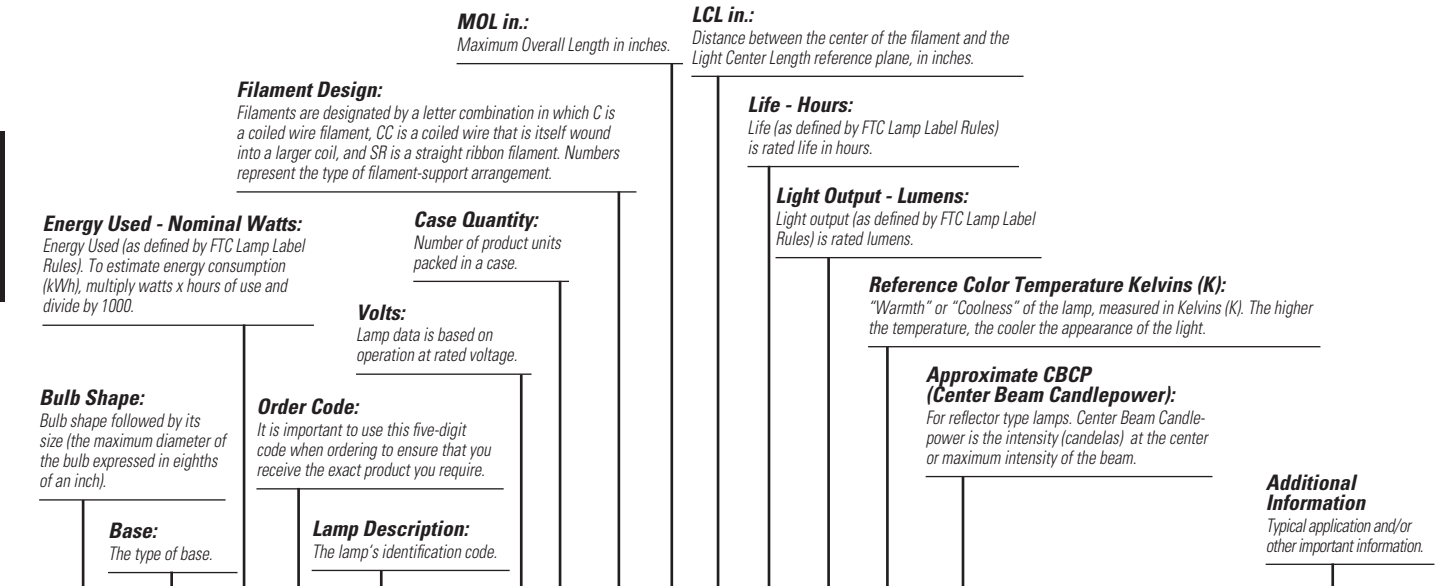
\* All comparisons made against standard and Halogen Plus at same/similar lumen output.

° Although face lumens are 53% less, the multi-faceted reflector concentrates lumens on target, diminishing extraneous light.



## HEADINGS IN THIS CATALOG SECTION

The following terms and descriptions can help you when checking Halogen lamp specifications and when ordering products. Within each product line, lamps are divided into families. Within families, lamps are listed by wattage. In each of these groups, lamps are listed alphabetically by bulb shape.



Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>HALOGEN PAR38 LAMPS</b>															
<b>HIR™</b>															
PAR38	Med Skirt	50	12396	<b>50PAR/HIR/SP9</b>	120	12	CC-8	5.31		3000	800	2810	16000	➔ 1a, 2a, 4f, 9a, 10c	Spotlight

## 50 PAR / HIR / SP 9

- Identifies the lamp's wattage.
- Identifies the lamp shape and the bulb diameter in eighths of an inch.
- Identifies the lamp type.
- Identifies as Spotlight.
- Identifies beam angle, code may also include packaging information.

### HALOGEN BRAND NAME CROSS-REFERENCE




GE	OSRAM/SYLVANIA	PHILIPS
Retail HIR™	—	—
HIR/XL™ PAR	—	—
HIR™ PAR	Capsylite® PAR IR™	Masterline™ IRC
Silver Saver™	—	—
Edison™	—	—
Halogen Plus PAR	Capsylite® PAR	Masterline™ 2500
Standard Halogen PAR	—	Masterline™ 2000
Compact PAR	Capsylite® PAR	Masterline™ PAR
Diamond Precise®	—	—
Turn & Lock (TAL) ConstantColor®	—	—
ConstantColor® Precise™	Tru-Aim Titan®	Continuum Color®
Precise™ IR	Tru-Aim® IR™	Masterline™ ES IRC
Standard MR16	Tru-Aim®	Continuum®
Halogen A-Line	Capsylite® A-Line (Midbreak)	Halogena®

ATTENTION: This brand-name cross reference chart is provided only as a quick reference. Other lamp company brand listings may only represent a near equivalent, versus an identical match to GE Lighting brands. Individual lamp manufacturers' performance specifications should be consulted. Lamp performance may be affected by environmental conditions, and/or other auxiliary equipment.

### WHEN YOU DON'T KNOW THE LAMP DESCRIPTION

1. Identify bulb shape next to lamp information.
2. Measure bulb diameter using ruler in Appendix section page A-1 to determine width in eighths of an inch.
3. Identify base type using table on page 2-2.
4. Find your lamp in the table containing the bulb shape, size and base, which are all listed by wattage.



Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information	
<b>HALOGEN PAR38 LAMPS</b>																
<b>RETAIL HIR™ &amp; SILV-IR</b>																
	PAR38 Med Skirt	45	16344	45PAR/HIR/R/SP10	120	12		5.31			4000	800	2750	14000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			16345	45PAR/HIR/R/FL25	120	12		5.31			4000	800	2750	3400	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
		50	46168	50PAR/HIR/S/SP10	120	12		5.31			4000	800	2750	14000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight - Heavy Duty Filament
			46167	50PAR/HIR/S/FL25	120	12		5.31			4000	800	2750	3400	↘ 1a, 2a, 4f, 9a, 10c	Floodlight - Heavy Duty Filament
		55	16346	55PAR/HIR/R/SP10	120	12		5.31			4000	1050	2800	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			16347	55PAR/HIR/R/FL25	120	12		5.31			4000	1050	2800	4000	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
		60	46165	60PAR/HIR/S/SP10	120	12		5.31			4000	1050	2800	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight - Heavy Duty Filament
			46166	60PAR/HIR/S/FL30	120	12		5.31			4000	1050	2800	2800	↘ 1a, 2a, 4f, 9a, 10c	Floodlight - Heavy Duty Filament
		90	16348	90PAR/HIR/R/SP10	120	12		5.31			4000	2030	2850	30000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			16349	90PAR/HIR/R/FL25	120	12		5.31			4000	2030	2850	7000	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
	<b>HIR XL® (ULTRALONG LIFE) PAR38</b>															
		PAR38 Med Skirt	45	40793	45PAR/HIR/SP12XL	120	6	CC-8	5.31			6000	600	2680	7000	↘ 1a, 2a, 4f, 9a, 10c
			40790	45PAR/HIR/FL40XL	120	6	CC-8	5.31			6000	600	2680	1300	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
55		40794	55PAR/HIR/SP12XL	120	6	CC-8	5.31				6000	800	2680	9000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
		40792	55PAR/HIR/FL40XL	120	6	CC-8	5.31				6000	800	2680	2000	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
90		40795	90PAR/HIR/SP12XL	120	6	CC-8	5.31				6000	1470	2800	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
		40791	90PAR/HIR/FL40XL	120	6	CC-8	5.31				6000	1470	2800	2800	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
<b>HIR™</b>																
	PAR38 Med Skirt	50	40937	50PAR/HIR/SP6	120	12	CC-8	5.31			3000	800	2810	20000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			12396	50PAR/HIR/SP9	120	12	CC-8	5.31			3000	800	2810	16000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			12397	50PAR/HIR/FL25	120	12	CC-8	5.31			3000	800	2810	3400	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
	50	46	22850	50PAR/HIR/FL25	130	12	CC-8	5.31			3000	800	2810	3400	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
					120						6000	600				
	60		11881	60PAR/HIR/SP10	120	6	CC-8	5.31			3000	1050	2850	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			18627	60PAR/HIR/SP10	120	12	CC-8	5.31			3000	1050	2850	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
	60	54	18629	60PAR/HIR/SP10	130	12	CC-8	5.31			3000	1050	2850	17000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
					120						6000	800				
	60		11878	60PAR/HIR/FL30	120	6	CC-8	5.31			3000	1050	2850	2800	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
			18626	60PAR/HIR/FL30	120	12	CC-8	5.31			3000	1050	2850	2800	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
	60	54	18628	60PAR/HIR/FL30	130	12	CC-8	5.31			3000	1050	2850	2800	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
					120						6000	800				
	60		10467	60PAR/HIR/FL40	120	12	CC-8	5.31			3000	1050	2850	1700	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
			20947	60PAR/HIR/WFL	120	12	CC-8	5.31			3000	1050	2850		↘ 1a, 2a, 4f, 9a, 10c	Wide Floodlight
	60	54	20948	60PAR/HIR/WFL	130	12	CC-8	5.31			3000	1050	2850		↘ 1a, 2a, 4f, 9a, 10c	Wide Floodlight
					120						6000	800				
	70		46367	70PAR/HIR/SP10	120	12	CC-8	5.31			3000	1260	2900	19000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
	70	64	46369	70PAR/HIR/SP10	130	12	CC-8	5.31			3000	1260	2900	19000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
					120						6000	950				
	70		46368	70PAR/HIR/FL25	120	12	CC-8	5.31			3000	1260	2900	4700	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
	70	64	46370	70PAR/HIR/FL25	130	12	CC-8	5.31			3000	1260	2900	4700	↘ 1a, 2a, 4f, 9a, 10c	Floodlight
					120						6000	950				
	70		16239	70PAR/HIR/FL/CON	120	6	CC-8	5.31			3000	1260	2900	4700	1a, 2a, 4f, 9a, 10c	Floodlight
	80		27216	80PAR/HIR/SP10	120	12	CC-8	5.31			3000	1500	2900	22000	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			27217	80PAR/HIR/SP12	120	12	CC-8	5.31			3000	1500	2900	17500	↘ 1a, 2a, 4f, 9a, 10c	Spotlight
			27218	80PAR/HIR/FL25	120	12	CC-8	5.31			3000	1500	2900	5000	↘ 1a, 2a, 4f, 9a, 10c	Floodlight



# Halogen Lamps





Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information	
<b>HALOGEN PAR38 LAMPS (CONTINUED)</b>																
<b>HIR™ (CONTINUED)</b>																
	PAR38 Med Skirt	100	<b>18635</b>	<b>100PAR/HIR/SP10</b>	120	12	CC-8	5.31		3000	2030	2900	30000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>11885</b>	<b>100PAR/HIR/SP10</b>	120	6	CC-8	5.31		3000	2030	2900	30000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		100	<b>18636</b>	<b>100PAR/HIR/SP10</b>	130	12	CC-8	5.31		3000	2030	2900	30000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		88			120					6000	1470					
		100	<b>11883</b>	<b>100PAR/HIR/FL25</b>	120	6	CC-8	5.31		3000	2030	2900	7000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
			<b>18631</b>	<b>100PAR/HIR/FL25</b>	120	12	CC-8	5.31		3000	2030	2900	7000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		100	<b>18633</b>	<b>100PAR/HIR/FL25</b>	130	12	CC-8	5.31		3000	2030	2900	7000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		88			120					6000	1470					
		100	<b>10473</b>	<b>100PAR/HIR/FL40</b>	120	12	CC-8	5.31		3000	2030	2900	3400	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
	<b>SILVER SAVER™</b>															
	PAR38 Med Skirt	53	<b>16338</b>	<b>53PAR/H/SS/SP10</b>	120	12	CC-8	5.31		3000	800	2800	14000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>16339</b>	<b>53PAR/H/SS/FL25</b>	120	12	CC-8	5.31		3000	800	2800	2900	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		53	<b>27989</b>	<b>53/PAR/HSS/SP10</b>	130	12	CC-8	5.31		3000	800	2800	14000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		47			120					6000	608					
		53	<b>27991</b>	<b>53/PAR/HSS/FL25</b>	130	12	CC-8	5.31		3000	800	2800	2900	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		47			120					6000	608					
		66	<b>16340</b>	<b>66PAR/H/SS/SP10</b>	120	12	CC-8	5.31		3000	1050	2850	18000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>16341</b>	<b>66PAR/H/SS/FL25</b>	120	12	CC-8	5.31		3000	1050	2850	4000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		66	<b>28263</b>	<b>66/PAR/HSS/SP10</b>	130	12	CC-8	5.31		3000	1050	2850	18000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		58			120					6000	800					
		66	<b>28265</b>	<b>66PAR/HSS/FL25</b>	130	12	CC-8	5.31		3000	1050	2850	4000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		58			120					6000	800					
		79	<b>16342</b>	<b>79PAR/H/SS/SP10</b>	120	12	CC-8	5.31		3000	1310	2850	20000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>16343</b>	<b>79PAR/H/SS/FL25</b>	120	12	CC-8	5.31		3000	1310	2850	4700	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
	79	<b>28267</b>	<b>79PAR/HSS/SP10</b>	130	12	CC-8	5.31		3000	1310	2850	20000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight		
	70			120					6000	1000						
	79	<b>28268</b>	<b>79PAR/HSS/FL25</b>	130	12	CC-8	5.31		3000	1310	2850	4700	➤ 1a, 2a, 4f, 9a, 10c	Floodlight		
	70			120					6000	1000						
<b>LONG LIFE PAR38</b>																
	PAR38 Med Skirt	45	<b>16354</b>	<b>45PAR/SP10 XL-EG</b>	120	6	CC-8	5.31		6000	520	2700	8000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>16355</b>	<b>45PAR/FL25 XL-EG</b>	120	6	CC-8	5.31		6000	520	2700	2000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		90	<b>16357</b>	<b>90PAR/SP10 XL-EG</b>	120	6	CC-8	5.31		6000	1310	2800	20000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>16358</b>	<b>90PAR/FL25 XL-EG</b>	120	6	CC-8	5.31		6000	1310	2800	4700	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		45	<b>20757</b>	<b>45PAR/SP10XL-OD</b>	120	6	CC-8	5.31		6000	520	2700	8000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>20758</b>	<b>45PAR/FL25XL-OD</b>	120	6	CC-8	5.31		6000	520	2700	2000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		90	<b>20759</b>	<b>90PAR/SP10XL-OD</b>	120	6	CC-8	5.31		6000	1310	2800	20000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
			<b>20763</b>	<b>90PAR/FL25XL-OD</b>	120	6	CC-8	5.31		6000	1310	2800	4700	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
	<b>HALOGEN PLUS</b>															
		PAR38 Med Skirt	45	<b>17470</b>	<b>45PAR/H/SP10</b>	120	6	CC-8	5.31		2500	540	2750	8000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight
			<b>16229</b>	<b>45PAR/H/SP10</b>	130	12	CC-8	5.31		2500	540	2750	8000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		40			120					5000	410					
		45	<b>17471</b>	<b>45PAR/H/FL25 6PK</b>	120	6	CC-8	5.31		2500	540	2750	2000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		45	<b>16231</b>	<b>45PAR/H/FL25</b>	130	12	CC-8	5.31		2500	540	2750	2000	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
		40			120					5000	410					
		60	<b>25266</b>	<b>60PAR/H/SP10</b>	120	12	CC-8	5.31		3000	800	2800	13000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		60	<b>25270</b>	<b>60PAR/H/SP10</b>	130	12	CC-8	5.31		3000	800	2800	13000	➤ 1a, 2a, 4f, 9a, 10c	Spotlight	
		54			120					6000	608					
		60	<b>25269</b>	<b>60PAR/H/FL25</b>	120	12	CC-8	5.31		3000	800	2800	3200	➤ 1a, 2a, 4f, 9a, 10c	Floodlight	
	60	<b>25271</b>	<b>60PAR/H/FL25</b>	130	12	CC-8	5.31		3000	800	2800	3200	➤ 1a, 2a, 4f, 9a, 10c	Floodlight		
	54			120					6000	608						



Bulb Shape	Base Type	Order Watts	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information	
<b>HALOGEN PAR38 LAMPS (CONTINUED)</b>															
<b>HALOGEN PLUS (CONTINUED)</b>															
	PAR38 Med Skirt	75	14751 75PAR/H/SP9-6PK	120	6	CC-8	5.31		2500	1050	2850	18000	↗ 1a, 2a, 4f, 9a, 10c	Spotlight	
			14748 75PAR/H/FL25-6PK	120	6	CC-8	5.31		2500	1050	2850	4000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
			81864 75PAR38HFL25/RVL	120	6	CC-8	5.31		2500	950				↗ 1a, 2a, 4f, 9a, 10c	Reveal®, Floodlight
			26564 75PAR/H/FL-TWIN	120	3	CC-8	5.31		2500	1050	2850	4000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		75	21389 75PAR/H/FL25	130	12	CC-8	5.31		2500	1050	2850	4000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		66		120					5000	800					
		90	17450 90PAR/H/SP10-6PK	120	6	CC-8	5.31		2500	1310	2900	20000	↗ 1a, 2a, 4f, 9a, 10c	Spotlight	
		90	13311 90PAR/H/SP10	130	12	CC-8	5.31		2500	1310	2900	20000	↗ 1a, 2a, 4f, 9a, 10c	Spotlight	
		79		120					5000	1000					
		90	17451 90PAR/H/FL25-6PK	120	6	CC-8	5.31		2500	1310	2900	4700	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		90	13308 90PAR/H/FL25	130	12	CC-8	5.31		2500	1310	2900	4700	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		79		120					5000	1000					
	90	22742 90PAR/H/FL-TWIN	120	3	CC-8	5.31		2500	1310	2900	4700	↗ 1a, 2a, 4f, 9a, 10c	Floodlight		
		25727 90PAR/H/WFL-120V	120	12	CC-8	5.31		2500	1310	2900			↗ 1a, 2a, 4f, 9a, 10c	Wide Floodlight	
	120	41632 120PAR/H/SP9	120	6	CC-8	5.31		2500	1900	2950	18000		↗ 1a, 2a, 4f, 9a, 10c	Narrow Spot	
	120	41631 120PAR/H/FL30	120	6	CC-8	5.31		2500	1900	2950	4000		↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
<b>STANDARD HALOGEN</b>															
	PAR38 Med Skirt	50	17980 50PAR/H/SP10-6PK	120	6	CC-8	5.31		2000	600	2750	9500	↗ 1a, 2a, 4f, 9a, 10c	Spotlight	
			17979 50PAR/H/FL25-6PK	120	6	CC-8	5.31		2000	600	2750	2200	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
			25948 50PAR/H/FL-TWIN	120	3	CC-8	5.31		2000	600	2750	2200	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		50	17926 50PAR/H/FL	130	12	CC-8	5.31		2000	600	2750	2200	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
		46		120					4000	450					
		100	17992 100PAR/H/SP10	120	6	CC-8	5.31		2000	1500	2900	22000	↗ 1a, 2a, 4f, 9a, 10c	Spotlight	
	100		17986 100PAR/H/FL25	120	6	CC-8	5.31		2000	1500	2900	5000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
			25679 100PAR/H/FL-TWIN	120	3	CC-8	5.31		2000	1500	2900	5000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight	
			100	17947 100PAR/H/FL25	130	12	CC-8	5.31		2000	1500	2900	5000	↗ 1a, 2a, 4f, 9a, 10c	Floodlight
	88		120					4000	1150						
<b>COOL BEAM PAR38</b>															
	PAR38 Med Skirt	90	17691 90PAR/CB/H/FL25	120	12	CC-8	5.31		2500	1260	2870	4100	↗ 1a, 2a, 2c, 4f, 9a, 10c	Cool Beam Flood	
<b>QUARTZLINE®</b>															
	PAR38 Med Skirt	250	23719 Q250PAR/SP10	120	12	CC-8	5.31		4200	3600	2880	40000	↗ 1a, 2a, 2j, 4b, 4f, 4g, 4h, 9a, 10c	Spotlight	
			23718 Q250PAR/FL30	120	12	CC-8	5.31		4200	3600	2880	9000	↗ 1a, 2a, 2j, 4b, 4f, 4g, 4h, 9a, 10c	Floodlight	
<b>HALOGEN COMPACT PAR LAMPS</b>															
<b>COMPACT HIR™</b>															
	PAR30 Med	45	41545 45PAR30HIR/SP9XL	120	15	CC-8	3.62		6000	620	2680	9750	↗ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
			41547 45PAR30HIR/FL25XL	120	15	CC-8	3.62		6000	620	2680	2025	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
			41550 45PAR30HIR/FL35XL	120	15	CC-8	3.62		6000	620	2680	1125	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		50	19902 50PAR30/HIR/SP9	120	15	CC-8	3.62		4000	825	2810	15000	↗ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
			19901 50PAR30HIR/FL25	120	15	CC-8	3.62		4000	825	2810	3200	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		50	21533 50PAR30HIR/FL25	130	15	CC-8	3.62		3000	825	2810	3200	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		46		120					6000	620					
		50	19900 50PAR30/HIR/FL35	120	15	CC-8	3.62		4000	825	2810	1800	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
	50	19903 50PAR30/HIR/FL35	130	15	CC-8	3.62		3000	825	2810	1800	↗ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight		
	46		120					6000	620						
<b>COMPACT PAR30 LONG NECK</b>															
	PAR30L Med	50	14940 50PAR30L/H/SP10	130	6	CC-8	4.75		3000	580	2800	7500	↗ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
		46		120					6000	460					
	50	11117 50PAR30L/H/SP10	130	15	CC-8	4.75		3000	580	2800	7500	↗ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight		
	46		120					6000	460						











# Halogen Lamps

Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Color Temp.	CBCP	Footnotes	Additional Information	
<b>HALOGEN COMPACT PAR LAMPS (CONTINUED)</b>																
<b>COMPACT PAR30 LONG NECK (CONTINUED)</b>																
	PAR30L Med	50	11116	50PAR30L/H/FL40	120	15	CC-8	4.75		3000	580	2800	1100	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		50	11123	50PAR30L/H/FL40	130	15	CC-8	4.75		3000	580	2800	1100	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		46			120					6000	460					
		50	14941	50PAR30L/H/WFL	120	6	CC-8	4.75			3000	630	2800		↘ 1a, 2a, 4f, 4h, 9a, 10c	Wide Floodlight
		75	11124	75PAR30L/H/SP10	120	15	CC-8	4.75			3000	940	2830	13000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight
		75	11129	75PAR30L/H/SP10	130	15	CC-8	4.75			3000	940	2830	13000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight
		66			120					6000	751					
		75	14943	75PAR30L/H/FL25	120	6	CC-8	4.75			3000	940	2830	3800	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		75	11131	75PAR30L/H/FL25	130	15	CC-8	4.75			3000	940	2830	3800	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		66			120					6000	751					
	75	16393	75PAR30L/H/WFL	120	6	CC-8	4.75			3000	1050	2830		↘ 1a, 2a, 4f, 4h, 9a, 10c	Wide Floodlight	
		81862	75PAR30LHFL25/RVL	120	6	CC-8	4.75			3000	980			1a, 2a, 4f, 4h, 9a, 10c	Reveal <sup>®</sup> , Floodlight	
<b>COMPACT PAR30</b>																
	PAR30 Med	50	14023	50PAR30/H/SP10	120	6	CC-8	3.62		3000	630	2800	8200	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
		50	17870	50PAR30/H/SP10	130	15	CC-8	3.62		3000	630	2800	8200	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
		46			120					6000	500					
		50	17871	50PAR30/H/FL25	120	15	CC-8	3.62			3000	630	2800	2300	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		50	17872	50PAR30/H/FL25	130	15	CC-8	3.62			3000	630	2800	2300	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		46			120					6000	500					
		50	14022	50PAR30/H/FL35	120	6	CC-8	3.62			3000	630	2800	1400	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		50	17874	50PAR30/H/FL35	130	15	CC-8	3.62			3000	630	2800	1400	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		46			120					6000	500					
		60	27212	60PAR30/H/NSP9	120	15	CC-8	3.62			3000	800	2800	11000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight
			40167	60PAR30/H/FL25	120	15	CC-8	3.62			3000	800	2800	2900	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
			27214	60PAR30/H/FL35	120	15	CC-8	3.62			3000	800	2800	1700	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		75	14802	75PAR30/H/SP10	120	6	CC-8	3.62			3000	1030	2830	13000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight
			81863	75PAR30HFL35/RVL	120	6	CC-8	3.62			3000	1010			1a, 2a, 4f, 4h, 9a, 10c	Reveal <sup>®</sup> , Floodlight
		75	18056	75PAR30/H/SP10	130	15	CC-8	3.62			3000	1030	2830	13000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight
		66			120					6000	790					
	75	18057	75PAR30/H/FL25	120	15	CC-8	3.62			3000	1030	2830	3800	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
		14779	75PAR30/H/FL35	120	6	CC-8	3.62			3000	1030	2830	2400	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
	75	18060	75PAR30/H/FL35	130	15	CC-8	3.62			3000	1030	2830	2400	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
	66			120					6000	790						
<b>COMPACT PAR20</b>																
	PAR20 Med	50	14927	50PAR20/H/SP10	120	6	CC-8	3.13		2500	570	2800	6000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
			81861	50PAR20HFL25/RVL	120	6	CC-8	3.13		2500				1a, 2a, 4f, 4h, 9a, 10c	Reveal <sup>®</sup> , Floodlight	
		50	17866	50PAR20/H/SP10	130	15	CC-8	3.13		2500	570	2800	6000	↘ 1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
		46			120					5000	498					
		50	14928	50PAR20H/FL25	120	6	CC-8	3.13			2500	570	2800	1500	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
		50	17868	50PAR20/H/FL25	130	15	CC-8	3.13			2500	570	2800	1500	↘ 1a, 2a, 4f, 4h, 9a, 10c	Floodlight
	46			120					5000	498						
<b>HALOGEN COMPACT PAR16</b>																
	PAR16 Med	35	82135	35PAR16CURIO-PQ	120	6	CC-8	2.88		3000				1a, 2a, 4f, 4h, 9a, 10c		
		60	41628	60PAR16/H/SP10	120	6	CC-8	2.88		2000	650	2950	5400	1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
			41623	60PAR16/H/FL30	120	6	CC-8	2.88		2000	650	2950	1550	1a, 2a, 4f, 4h, 9a, 10c	Floodlight	
			82142	60PAR16FL/RVL-CD	120	6	CC-8	2.88		2000				1a, 2a, 4f, 4h, 9a, 10c	Reveal <sup>®</sup> , Floodlight, Carded	
		75	41630	75PAR16/H/SP10	120	6	CC-8	2.88		2000	900	2950	6200	1a, 2a, 4f, 4h, 9a, 10c	Spotlight	
		41629	75PAR16/H/FL30	120	6	CC-8	2.88		2000	900	2950	1600	1a, 2a, 4f, 4h, 9a, 10c	Floodlight		



















Bulb Shape	Base Type	Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>HALOGEN COMPACT PAR LAMPS (CONTINUED)</b>															
<b>DIAMOND PRECISE® ELECTRONIC MR16</b>															
	MR16	Med	21	48545 Q21EMR16/C/SP12	120	6	C-6	3.38		5000	260	2950	3900	➤ 1a, 1c, 2a, 2b, 4f, 4i, 4k, 9b, 10c	Narrow Spot
				48546 Q21EMR16/C/FL25	120	6	C-6	3.38		5000	260	2950	890	➤ 1a, 1c, 2a, 2b, 4f, 4i, 4k, 9b, 10c	Narrow Flood
				48547 Q21EMR16/C/SP12CD	120	6	C-6	3.38		5000	260	2950	3900	➤ 1a, 1c, 2a, 2b, 4f, 4i, 4k, 9b, 10c	Narrow Spot, Carded
				48548 Q21EMR16/C/FL25CD	120	6	C-6	3.38		5000	260	2950	890	➤ 1a, 1c, 2a, 2b, 4f, 4i, 4k, 9b, 10c	Narrow Flood, Carded
<b>PAR36</b>															
	PAR36	Scrw Term	35	19873 35PAR36/H/SP5	12	12	C-6	2.75		4000	250	3050	25000	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Spotlight
				19876 35PAR36/H/SP8	12	12	C-6	2.75		4000	250	3050	8000	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Spotlight
				19877 35PAR36/H/FL30	12	12	C-6	2.75		4000	250	3050	900	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Floodlight
				42072 35PAR36/H/VWFL	12	12	C-6	2.75		4000	250	3050		➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Wide Flood
			50	19878 50PAR36/H/SP5	12	12	C-6	2.75		4000	400	3050	39000	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Spotlight
				19879 50PAR36/H/SP8	12	12	C-6	2.75		4000	400	3050	10000	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Spotlight
				19880 50PAR36/H/FL30	12	12	C-6	2.75		4000	400	3050	1300	➤ 2a, 2b, 4f, 4g, 7a, 9b, 10c	Floodlight
<b>A-15</b>															
	A15	Med	40	82114 40A15CF/CL/H-CD2	120	6	CC-8	3.50		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Ceiling Fan, Halogen
				82115 60A15CF/CL/H-CD2	120	6	CC-8	3.50		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Ceiling Fan, Halogen
<b>A-19</b>															
	A19	Med	60	82137 60A/CL/H/RVL-CD	120	5	C-8	4.43		3000	675			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Reveal®, Halogen
				82138 75A/CL/H/RVL-CD	120	5	C-8	4.43		3000	850			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Reveal®, Halogen
				100 82139 100A/CL/H/RVL-CD	120	5	C-8	4.43		3000	1275			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Reveal®, Halogen
<b>A-21</b>															
	A21	Med	30	24699 30/100-HALOGEN	120	6	CC-8	5.25		2500	300			1a, 2a, 2b, 2c, 4i, 4j, 9a, 10b, 10c	3-Way
			70								1050				
			100								1370				
			50	81590 50/150-HALOGEN	120	6	CC-8	5.25		2500	700			1a, 2a, 2b, 2c, 4i, 4j, 9a, 10b, 10c	3-Way
			100								1600				
		150								2300					
<b>HALOGEN REFLECTORS</b>															
	BR30	Med	60	85116 60BR30FL/H-PQ1/6	120	6	CC-8	5.37		3000	700			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Halogen Reflector
				85127 60BR30FL/H-3PK	120	6	CC-8	5.37		3000	700			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Halogen Reflector 3-Pack
	BR40	Med	60	85131 60BR40FL/H-PQ1/6	120	6	CC-8	6.56		3000	790			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Halogen Reflector
				100 85146 100BR40F/H-PQ1/6	120	6	CC-8	6.56		3000	1200			1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	Halogen Reflector
<b>G16.5 GC</b>															
	G16.5	Cand	40	82131 40GC/CL/H-PQ2/3	120	6	CC-8	3.00		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	
				82132 60GC/CL/H-PQ2/3	120	6	CC-8	3.00		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 7a, 10b, 10c	



# Halogen Lamps

Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Temp.	CBCP	Footnotes	Additional Information		
<b>G16.5 (CONTINUED)</b>																	
<b>GM</b>																	
	Med	40	<b>82133</b>	<b>40GM/CL/H-PQ2/3</b>	120	6	CC-8	3.00		2250				1a, 1b, 2a, 2b, 2e, 4i 4j, 7a, 10b, 10c			
		60	<b>82134</b>	<b>60GM/CL/H-PQ2/3</b>	120	6	CC-8	3.00		2250				1a, 1b, 2a, 2b, 2e, 4i 4j, 7a, 10b, 10c			
<b>A-LINE/DECORATIVE</b>																	
	Med	45	<b>45650</b>	<b>45BM/HAL/PQ1/6</b>	120	6	CC-8	4.63	2.38	3000	600	2750		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Frost, Thick Glass		
		50	<b>16747</b>	<b>50TB/H</b>	130	60	CC-8	4.43	3.13	2000	710	2800		➤ 1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass		
	Med	46			120					4000	540						
		50	<b>20647</b>	<b>50A/HAL/6PK</b>	120	6	CC-8	4.43	3.13	2000	710	2800		➤ 1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass		
		60	<b>48105</b>	<b>60A/HAL/CD</b>	120	4	CC-8	4.43	2.62	3000	840	2800			1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass	
			<b>48106</b>	<b>60A/HAL/CL/CD</b>	120	4	CC-8	4.43	2.62	3000	870	2800			1a, 2a, 4f, 4h, 9a, 10c	Clear, Thick Glass	
		75	<b>48107</b>	<b>75A/HAL/CD</b>	120	4	CC-8	4.43	2.62	3000	1170	2850			1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass	
		90	<b>16745</b>	<b>90TB/H</b>	130	60	CC-8	4.43	3.13	2000	1580	2930			➤ 1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass	
	Med	81			120					4000	1220						
		90	<b>20648</b>	<b>90A/HAL/6PK</b>	120	6	CC-8	4.43	3.13	2000	1580	2930		➤ 1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass		
			<b>48108</b>	<b>90A/HAL/CD</b>	120	4	CC-8	4.43	2.62	3000	1470	2930			1a, 2a, 4f, 4h, 9a, 10c	Frost, Thick Glass	
		60	<b>10036</b>	<b>60BTT/CL/CD</b>	120	5	C-8	4.75	3.00	3000	900	2800			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Clear, Brass Base, Carded	
			<b>11856</b>	<b>60BTT/CL/CD/TW</b>	120	5	C-8	4.75	3.00	3000	900	2800			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Clear, Brass Base twin pack, Carded	
			<b>10038</b>	<b>60BTT/SW/CD</b>	120	5	C-8	4.75	3.00	3000	840	2800			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	White, Brass Base, Carded	
	Med		<b>10039</b>	<b>60BTT/SW/CD/TW</b>	120	5	C-8	4.75	3.00	3000	840	2800		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	White, Brass Base twin pack, Carded		
		75	<b>10040</b>	<b>75BTT/SW/CD</b>	120	5	C-8	4.75	3.00	3000	1070	2850			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	White, Brass Base, Carded	
		100	<b>10042</b>	<b>100BTT/SW/CD</b>	120	5	C-8	4.75	3.00	3000	1600	2900			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	White, Brass Base, Carded	
		150	<b>10043</b>	<b>150BTT/SW/CD</b>	120	5	C-8	4.75	3.00	3000	2430	2900			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	White, Brass Base, Carded	
		F14.5	Med	60	<b>10044</b>	<b>60BTT/POST/CD</b>	120	5	C-8	4.75	3.00	3000	900	2800		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Clear, Brass Base, Carded Postlamp
			Med	25	<b>16760</b>	<b>25BM/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	280	2700		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack
40	<b>16761</b>			<b>40BM/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	485	2800		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack		
	Cand	25	<b>16764</b>	<b>25BC/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	280	2700		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack		
		40	<b>16765</b>	<b>40BC/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	485	2800		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack		
	Med	25	<b>16766</b>	<b>25BFM/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	280	2700		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack		
		40	<b>16767</b>	<b>40BFM/H/CD2</b>	120	5	CC-8	3.4	2.22	2250	485	2800		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded Twin Pack		
	Med	40	<b>16771</b>	<b>40G25/H/CL</b>	120	6	CC-8	4.45	2.56	2250	510	2700		1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c			
			<b>82140</b>	<b>40G25/CL/H/RVL</b>	120	6	C-8	4.50		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Reveal® Halogen		
		60	<b>16773</b>	<b>60G25/H/CL</b>	120	6	CC-8	4.45	2.56	2250	1000	2900			1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c		
			<b>82141</b>	<b>60G25/CL/H/RVL</b>	120	6	C-8	4.50		2250				1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Reveal® Halogen		



Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Flament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information			
<b>A-LINE/DECORATIVE (CONTINUED)</b>																		
	G25	Med	40	16774	40G25/H/CRYSTAL	120	6	CC-8	4.45	2.56	2250	500	2700	1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c				
			60	16775	60G25/H/CRYSTAL	120	6	CC-8	4.45	2.56	2250	960	2900	1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c				
	T10	Med	25	16776	25T10/H/CD	120	4	CC-8	5.04	2.56	2250	260	2700	1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded			
			40	16777	40T10/H/CD	120	4	CC-8	5.04	2.56	2250	510	2700	1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded			
			60	16778	60T10/H/CD	120	4	CC-8	5.04	2.56	2250	800	2900	1a, 1b, 2a, 2b, 2e, 4i, 4j, 9a, 10b, 10c	Carded			
<b>AR111</b>																		
	AR111	G53	35	97532	35AR111/SP8	12	10		2.64		2000	2800	14000	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Spotlight			
				97533	35AR111/FL24	12	10		2.64		2000	2800	2500	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Narrow Floodlight			
			50	97534	50AR111/SP8	12	10		2.64		3000	2800	17800	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Spotlight			
				97535	50AR111/FL24	12	10		2.64		3000	2800	3500	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Narrow Floodlight			
			75	97536	75AR111/SP8	12	10		2.64		3000	2900	23500	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Spotlight			
				97537	75AR111/FL24	12	10		2.64		3000	2900	5300	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Narrow Floodlight			
				97538	75AR111/FL45	12	10		2.64		3000	2900	1700	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Wide Floodlight			
			100	97539	100AR111/SP8	12	10		2.64		3000	2950	40000	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Spotlight			
				97540	100AR111/FL24	12	10		2.64		3000	2950	8000	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Narrow Floodlight			
				97541	100AR111/FL45	12	10		2.64		3000	2950	2300	2a, 2j, 4a, 4c, 4e, 4f 9a, 9d, 10b, 10c	Wide Floodlight			
			<b>MR</b>															
			<b>TURN &amp; LOCK CONSTANTCOLOR®</b>															
	MR16	TAL	35	30932	35MR16/Q/8/TL	12	10	C-6	2		3500	2900	8100	2a, 2b, 4f, 7a, 9a, 10b, 10c	Narrow Spot			
			50	30901	50MR16/Q/10/TL	12	10	C-6	2		3500	3000	10800	2a, 2b, 4f, 7a, 9a, 10b, 10c	Narrow Spot			
				30900	50MR16/Q/20/TL	12	10	C-6	2		3500	3000	3330	2a, 2b, 4f, 7a, 9a, 10b, 10c	Narrow Flood			
				30899	50MR16/Q/40/TL	12	10	C-6	2		3500	3000	1395	2a, 2b, 4f, 7a, 9a, 10b, 10c	Floodlight			
<b>CONSTANTCOLOR® PRECISE™ COVER GLASS MR16</b>																		
	MR16	2-Pin GU5.3	20	20858	Q20MR16C/CG15	12	20	C-6	1.88		5000	2900	3150	2a, 2b, 4f, 9a, 10c	Narrow Spot, ANSI: ESX			
				20857	Q20MR16C/CG40	12	20	C-6	1.88		5000	2900	475	2a, 2b, 4f, 9a, 10c	Flood, ANSI: BAB			
				21456	FAM6Q20MR16NSCCG	12	1	C-6	1.88		5000	2900	3350	2a, 2b, 4f, 9a, 10c	Narrow Spot, Carded, ANSI: ESX			
				21455	FAM6Q20MR16FLCCG	12	1	C-6	1.88		5000	2900	490	2a, 2b, 4f, 9a, 10c	Flood, Carded ANSI: BAB			
			35	20864	Q35MR16C/CG12	12	20	C-6	1.88		5000	3000	7500	2a, 2b, 4f, 9a, 10c	Narrow Spot, ANSI: FRB			
				20860	Q35MR16C/CG20	12	20	C-6	1.88		5000	3000	3200	2a, 2b, 4f, 9a, 10c	Spot, ANSI: FRA			



# Halogen Lamps


Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>MR (CONTINUED)</b>															
<b>CONSTANTCOLOR® PRECISE™ COVER GLASS MR16 (CONTINUED)</b>															
MR16	2-Pin GU5.3	35	20859	Q35MR16C/CG40	12	20	C-6	1.88		5000		3000	900	2a, 2b, 4f, 9a, 10c	Flood, ANSI: FMW
			23252	FAM6Q35MR16SPCCG	12	1	C-6	1.88			5000		3000	3200	2a, 2b, 4f, 9a, 10c
			23253	FAM6Q35MR16FLCCG	12	1	C-6	1.88		5000		3000	900	2a, 2b, 4f, 9a, 10c	Flood, Clear Glass Carded, ANSI: FMW
			41487	Q35MR16/CCG40	24	20	C-6	1.88		4000		2950	920	2a, 2b, 4f, 9a, 10c	Flood
50			20872	Q50MR16C/CG15	12	20	C-6	1.88		6000		3050	8400	2a, 2b, 4f, 9a, 10c	Narrow Spot ANSI: EXT
			20871	Q50MR16C/CG25	12	20	C-6	1.88			6000		3050	2900	2a, 2b, 4f, 9a, 10c
			20867	Q50MR16C/CG40	12	20	C-6	1.88		6000		3050	1500	2a, 2b, 4f, 9a, 10c	Flood, ANSI: EXN
			20865	Q50MR16C/CG55	12	20	C-6	1.88		6000		3050	850	2a, 2b, 4f, 9a, 10c	Wide Flood, ANSI: FNV
			21458	FAM6Q50MR16NSCCG	12	1	C-6	1.88		6000		3050	9500	2a, 2b, 4f, 9a, 10c	Narrow Spot, Carded, ANSI: EXT
			21457	FAM6Q50MR16FLCCG	12	1	C-6	1.88		6000		3050	1720	2a, 2b, 4f, 9a, 10c	Flood, 3050K, Carded, ANSI: EXN
			41488	Q50MR16/CCG15	24	20	C-6	1.88		4000		2950	8400	2a, 2b, 4f, 9a, 10c	Narrow Spot
			41489	Q50MR16/CCG40	24	20	C-6	1.88		4000		2950	1570	2a, 2b, 4f, 9a, 10c	Flood
71			20876	Q71MR16C/CG15	12	20	C-6	1.88		4000		3050	10800	2a, 2b, 4f, 9a, 10c	Narrow Spot, ANSI: EYF
			20874	Q71MR16C/CG25	12	20	C-6	1.88			4000		3050	4550	2a, 2b, 4f, 9a, 10c
			20873	Q71MR16C/CG40	12	20	C-6	1.88		4000		3050	2000	2a, 2b, 4f, 9a, 10c	Flood, ANSI: EYC
<b>CONSTANTCOLOR® PRECISE™ MR16</b>															
MR16	2-Pin GX5.3	20	20816	Q20MR16C/VNSP7	12	20	CC-6	1.88		3000		2900	7400	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Very Narrow Spot, ANSI: EZX
			20815	Q20MR16C/NSP15	12	20	C-6	1.88			5000		2900	3750	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c
			20814	Q20MR16C/FL40 10	12	20	C-6	1.88		5000		2900	525	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, ANSI: BAB
35			20826	Q35MR16C/SP20	12	20	C-6	1.88		5000		3000	3900	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, ANSI: FRA
			20825	Q35MR16C/FL40	12	20	C-6	1.88			5000		3000	1000	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c
42			20830	Q42MR16C/VNSP9	12	20	CC-6	1.88		3500		3000	12300	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Very Narrow Spot, ANSI: EZY
50			20839	Q50MR16C/NSP15	12	20	C-6	1.88		6000		3050	9100	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Narrow Spot, ANSI: EXT
			20835	Q50MR16C/NFL25	12	20	C-6	1.88			6000		3050	3200	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c
			20834	Q50MR16C/NFL30	12	20	C-6	1.88		6000		3050	2500	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Narrow Flood, ANSI: EXK
			20833	Q50MR16C/FL40	12	20	C-6	1.88		6000		3050	1700	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, ANSI: EXN
			20832	Q50MR16C/WFL55	12	20	C-6	1.88		6000		3050	900	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Wide Flood, ANSI: FNV
71			20843	Q71MR16C/NSP15	12	20	C-6	1.88		4000		3050	11500	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Narrow Spot, ANSI: EYF
			20841	Q71MR16C/NFL25	12	20	C-6	1.88			4000		3050	5500	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c
			20840	Q71MR16C/FL40	12	20	C-6	1.88		4000		3050	2200	2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, ANSI: EYC













Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>MR (CONTINUED)</b>															
<b>PRECISE™ COVER GLASS IR MR16</b>															
	MR16	2-Pin GU5.3	37	16715	Q37MR16/HIR/CG10	12	20	C-8	1.8	4000	3000	12500		2a, 2b, 4f, 9a, 10c	Narrow Spot
				16716	Q37MR16/HIR/CG25	12	20	C-8	1.8	4000	3000	4400		2a, 2b, 4f, 9a, 10c	Narrow Flood
				16717	Q37MR16/HIR/CG40	12	20	C-8	1.8	4000	3000	2050		2a, 2b, 4f, 9a, 10c	Flood
			50	16718	Q50MR16/HIR/CG10	12	20	C-8	1.8	4000	3000	15000		2a, 2b, 4f, 9a, 10c	Narrow Spot
				16719	Q50MR16/HIR/CG25	12	20	C-8	1.8	4000	3000	5700		2a, 2b, 4f, 9a, 10c	Narrow Flood
				16720	Q50MR16/HIR/CG40	12	20	C-8	1.8	4000	3000	2600			Flood
<b>STANDARD MR16</b>															
	MR16	2-Pin GX5.3	20	25481	Q20MR16/SP	12	20	C-6	1.88	2000	2900	3500		2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, ANSI: ESX
				25480	Q20MR16/FL	12	20	C-6	1.88	2000	2900	500		2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, ANSI: BAB
				81763	Q20MR16CGFLCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, Basic
				81765	Q20MR16CGSPCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, Basic
			35	81768	Q35MR16CGFLCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, Basic
				81769	Q35MR16CGSPCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, Basic
			50	81770	Q50MR16CGFLCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, Basic
				81771	Q50MR16CGSPCD-BA	12	6	C-6	1.88	2000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, Basic
				25483	Q50MR16/SP	12	20	C-6	1.88	2000	2900	9500		2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Spot, ANSI: EXT
				25482	Q50MR16/FL	12	20	C-6	1.88	2000	2900	1500		2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Flood, ANSI: EXN
				42098	Q50MR16FL/CG/3PK	12	6	C-6	1.88	2000	2900	1500		2a, 2b, 4c, 4f, 9a, 10c	Flood, ANSI: EXN
				82110	Q50MR16FCCGRV-CD	12	6	C-6	1.88	3000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Reveal®, Floodlight, Carded
			82111	Q50MR16SCCGRV-CD	12	6	C-6	1.88	3000				2a, 2j, 4a, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Reveal®, Spotlight, Carded	
			<b>STANDARD MR11</b>												
	MR11	2-Pin GZ4	20	30754	Q20MR11/SP15	12	10	C-6	1.38	3500	2900	1760		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Spot, ANSI: FTC
				30773	Q20MR11/NFL30	12	10	C-6	1.38	3500	2900	600		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Narrow Flood, ANSI: FTD
				25197	FAM6Q20MR11NF/CD	12	1	C-6	1.38	3500	2900	600		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Narrow Flood, ANSI: FTD
			35	30774	Q35MR11SP20	12	10	C-6	1.38	3500	2900	3000		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Spot, ANSI: FTF
				30890	Q35MR11NFL30	12	10	C-6	1.38	3500	2900	1300		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Narrow Flood, ANSI: FTH
				25349	FAM6Q35MR11SP/CD	12	1	C-6	1.38	3500	2900	4100		2a, 2b, 4e, 4c, 4f, 9a, 9d, 10b, 10c, 11a	Spot, ANSI: FTF
			41483	Q35MR11/CG12 24	24	50	C-6	1.38	2000	2950	4100		2a, 2b, 4c, 4f, 9a, 10c	Spot	
			41484	Q35MR11/CG30 24	24	50	C-6	1.38	2000	2950	1300		2a, 2b, 4c, 4f, 9a, 10c	Narrow Flood	
			<b>120V MR16</b>												
	MR16	GU10	20	16753	Q20GU10/FL/CD	120	5	CC-2V	2.13	2000	2600	230		1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	
				35	16752	Q35GU10/FL/CD	120	5	CC-2V	2.13	3000	2650	500		1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c



# Halogen Lamps

Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>MR (CONTINUED)</b>															
<b>120V MR16 (CONTINUED)</b>															
	MR16	GU10	50	<b>16751 Q50GU10/FL/CD</b>	120	5	CC-2V	2.13		3000		2750	1000	1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	
				<b>82143 Q50GU10FL/RVL-CD</b>	120	6	CC-2V	2.13		3000				1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Reveal <sup>®</sup> , Floodlight, Carded
	JDR16	Med	35	<b>20641 35PAR16/CURIO</b>	120	3	CC-6V	2.05		3000		2700	500	1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	

<b>QUARTZ HALOGEN</b>															
	T3	2-Pin G4	5	<b>42959 Q5T3/CL</b>	12	100	C-6	1.25	0.75	2000	60			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear
			10	<b>34674 Q10T3/CL</b>	12	100	C-6	1.25	0.75	2000	140			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear
				<b>19371 Q10T3/CL/CD 5PK</b>	12	25	C-6	1.25	0.75	2000	140			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear, Carded
			20	<b>34715 Q20T2.5/12V/CL</b>	12	100	C-6	1.25	0.75	2000	350			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	
				<b>19375 Q20T3/CL/CD 5PK</b>	12	25	C-6	1.25	0.75	2000	350			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear, Carded
	T4	2-Pin G8	25	<b>16809 Q25G8/CD2</b>	120	5	CC-2V	1.59	1.04	1500	240			1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Twin Pack, Carded
			35	<b>48428 Q35G8/CD</b>	120	5	CC-2V	1.77	1.34	1500				1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Carded
	T3	2-Pin GY6.35	35	<b>34708 Q35T3/12V/CL</b>	12	100	C-6	1.75		2000	550			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	
				<b>48503 Q35T3/CL/CD 5PK</b>	12	25	C-8	1.75		2000				2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Carded
	T4	2-Pin G8	50	<b>21941 Q50G8/CD</b>	120	5	CC-2V	1.77	1.34	1300	700			1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Carded
	T3	2-Pin GY6.35	50	<b>34702 Q50T3/12V/CL</b>	12	100	C-6	1.75		2000	900			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	
				<b>19376 Q50T3/CL/CD 5PK</b>	12	25	C-6	1.75	1.16	2000	900			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear, Carded
	T4	2-Pin GY6.35	75	<b>19377 Q75T4/CL/CD 5PK</b>	12	25	C-6	1.75	1.16	2000	1600			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	Clear, Carded
	T4	2-Pin G8	75	<b>47801 Q75G8/CD</b>	120	5	CC-2V	1.77	1.34	1500				1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Carded
			100	<b>47803 Q100G8/CD</b>	120	5	CC-2V	1.77	1.34	1500				1a, 2a, 2b, 2e, 4f, 4i, 9a, 10b, 10c	Carded
	T3	2-Pin GY6.35	100	<b>34676 Q100T3/12V/CL</b>	12	100	CC-6	1.75		2000	2350			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	
				<b>34663 Q100T3/24V/CL</b>	24	100	CC-6	1.75		2000	2000			2a, 2j, 4c, 4e, 4f, 9a, 9d, 10b, 10c	










<b>QUARTZLINE<sup>®</sup></b>																
<b>HIR<sup>™</sup></b>																
	T2	R7s	225	<b>12282 Q225T2CL/ULTRACD</b>	120	60	C-8	4.69	2.5	3000	5950	2965		➤ 1a, 2a, 2b, 4c, 4d, 4e, 4f, 9a, 9d, 10b, 10c, 12b	IR, Clear, Horizontal	
		T2.5	R7s	350	<b>12283 Q350T3CL/ULTRACD</b>	120	60	C-8	4.69	2.25	2000	10000	3075		➤ 1a, 2a, 2j, 2k, 4a, 4c, 4d, 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	IR, Clear, Horizontal, Carded
					<b>13894 Q350T3/CL/HIR</b>	120	6	C-8	4.69	2.25	2000	10000	3075		➤ 1a, 2a, 2j, 2k, 4a, 4c, 4d, 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	IR, Clear, Horizontal
					<b>14311 Q350T3/CL/HIR</b>	130	6	C-8	4.69	2.25	2000	9600	3000		➤ 1a, 2a, 2j, 2k, 4a, 4c, 4d, 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	IR, Clear, Horizontal



Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information	
<b>QUARTZLINE® (CONTINUED)</b>																
<b>HIR™ (CONTINUED)</b>																
	T2.5	R7s	900	13642	Q900T3/CL/HIR	240	6	C-8	10.06	6.13	2000	32000	3160	➤	1a, 2a, 2j, 2k, 4a, 4c, 4d, IR, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	
				14335	Q900T3/CL/HIR	277	6	C-8	10.06	6.13	2000	31000	3160	➤	1a, 2a, 2j, 2k, 4a, 4c, 4d, IR, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, Halogen 10b, 10c, 12b	
<b>HALOGEN</b>																
	T4	G9	25	16754	Q25G9/CD	120	5	CC-8	1.77	1.26	3000	240	2650		1a, 2a, 2b, 2e, 4f, 4i, Carded 9a, 10b, 10c	
				81300	Q25G9/F/CD	120	5	CC-8	1.77	1.26	3000					1a, 2a, 2b, 2e, 4f, 4i, Frosted, Carded 9a, 10b, 10c
			40	16755	Q40G9/CD	120	5	CC-8	1.77	1.26	2000	480	2750			1a, 2a, 2b, 2e, 4f, 4i, Carded 9a, 10b, 10c
				81301	Q40G9/F/CD	120	5	CC-8	1.77	1.26	2000					1a, 2a, 2b, 2e, 4f, 4i, Frosted, Carded 9a, 10b, 10c
			60	81468	Q60G9/F/CD	120	5	CC-8	1.77	1.26	3000					1a, 2a, 2b, 2e, 4f, 4i, Frosted, Carded 9a, 10b, 10c
				75	81469	Q75G9/F/CD	120	5	CC-8	1.77	1.26	3000				
	T4	2-Pin PreFoc	45	41541	Q45T4/CL	120	12	C-6	2.5	1.53	500	835			2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Airport, Base 4g, 8a, 9a, 9d, 10b, 10c, 12c Down	
			60	16756	Q60G9/CD	120	5	CC-8	1.77	1.26	3000	780	2800			1a, 2a, 2b, 2e, 4f, 4i, Carded 9a, 10b, 10c
			75	16759	Q75G9/CD	120	5	CC-8	1.77	1.26	3000	1100	2850			1a, 2a, 2b, 2e, 4f, 4i, Carded 9a, 10b, 10c
	T3	Mini-Cand	75	39574	Q75CL	28	20	CC-6	2.5	1.19	2000	1350			2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				12715	Q75CL/MC/CD	120	25	CC-8	2.5	1.25	1000	1050	2850			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Carded 4g, 8a, 9a, 9d, 10b, 10c, 12e
	T4	Mini-Cand	100	22489	Q100T3/CL/CD 5PK	120	60	C-8	3.13	1.25	1500	1650	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Horizontal, 4g, 9a, 9d, 10b, 10c, 11a Carded
				15507	Q100CL/MC	120	6	CC-8	2.81	1.38	2000	1550	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e
				44385	Q100CL/MC/2V	120	6	CC-2V	2.81	1.38	750	1800	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e
				19383	Q100CL/MC/CD 5PK	120	25	CC-8	2.81	1.38	2000	1600	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Carded 4g, 8a, 9a, 9d, 10b, 10c, 12e
	T4	D C Bay	100	16451	Q100DC	120	6	CC-8	2.44	1.38	2000	1550	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e
				15508	Q100CL/DC	120	6	CC-8	2.44	1.38	2000	1600	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e
				44386	Q100CL/DC/2V	120	6	CC-2V	2.44	1.38	750	1800	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e
	T3	R7s	150	27449	Q150T3/117/CL/CD	120	60	C-8	4.69	2.25	1500	2400	2950			1a, 2a, 2j, 4a, 4c, 4d, Clear, Horizontal, 4e, 4f, 4g, 9a, 9d, 10b, Carded 10c, 11a
				19378	Q150T3/CL/CD 5PK	120	60	C-8	3.13	1.25	1500	2400	2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Horizontal, 4g, 9a, 9d, 10b, 10c, 11a Carded
				80905	Q150T3/HD/CD2	120	25	C-8	3.13	1.25	2000		2950			1a, 2a, 2j, 4a, 4c, 4e, 4f, Carded, Heavy Duty 4g, 9a, 9d, 10b, 10c, 11a
	T4	R7s	150	23710	Q150T4/CL	25	12	CC-8	2.56		3000	2760	2850			2a, 2j, 4a, 4c, 4e, 4f, 4g, Clear, Dental 8a, 9a, 9d, 10b, 10c Spotlight











# Halogen Lamps

Bulb Shape	Base Type	Watts	Order Code	Description	Case Volts	Filament Qty.	Filament Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>QUARTZLINE® (CONTINUED)</b>															
<b>HALOGEN (CONTINUED)</b>															
	T4	Mini-Cand	150	<b>44654 Q150MC</b>	120	6	CC-8	3	1.38	2000	2700	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43694 Q150CL/MC</b>	120	6	CC-8	3	1.38	2000	2800	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>19386 Q150CL/MC/CD 5PK</b>	120	25	CC-8	3	1.38	2000	2800	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Carded 4g, 8a, 9a, 9d, 10b, 10c, 12e	
		D C Bay	150	<b>44653 Q150DC</b>	120	6	CC-8	2.5	1.38	2000	2700	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43693 Q150CL/DC</b>	120	6	CC-8	2.5	1.38	2000	2800	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>44384 Q150CL/DC/2V</b>	120	6	CC-2V	2.44	1.38	1000	2800	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
	T4	2-Pin PreFoc	200	<b>40702 Q200T4/CL</b>		12	CC-6	2.5	1.53	500	4500			2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Airport, Base Down	
		2-Pin GZ9.5	235	<b>11548 Q235T4/3</b>	33	12	CC-6	2.63	1.53	150	6000			2a, 2j, 4a, 4c, 4e, 4f, 4g, Frosted, Instrument, Prefocus	
	T2.5	R7s	250	<b>22865 Q250T3/CL-6PK</b>	120	144	C-8	3.13	1.25	1500	4000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Horizontal 4g, 9a, 9d, 10b, 10c, 11a	
				<b>22121 Q250T3/CL/CD 5PK</b>	120	60	C-8	3.25	1.13	1500	4000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Carded 4g, 9a, 9d, 10b, 10c, 11a	
	T4	Mini-Cand	250	<b>43695 Q250MC</b>	120	6	CC-8	3.16	1.63	2000	4850	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43696 Q250MC</b>	130	6	CC-8	3.16	1.63	2000	4850	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43699 Q250CL/MC</b>	120	6	CC-8	3.16	1.63	2000	5000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>19387 Q250CL/MC/CD 5PK</b>	120	25	CC-8	3.16	1.63	2000	5000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear, Carded 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43700 Q250CL/MC</b>	130	6	CC-8	3.16	1.63	2000	5000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
	T4	D C Bay	250	<b>43701 Q250DC</b>	120	6	CC-8	3	1.63	2000	4850	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43702 Q250DC</b>	130	6	CC-8	3	1.63	2000	4850	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43697 Q250CL/DC</b>	120	6	CC-8	3	1.63	2000	5000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
				<b>43698 Q250CL/DC</b>	130	6	CC-8	3	1.63	2000	5000	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e	
	T2.5	R7s	300	<b>15535 Q300T3/HD/2CD</b>	120	5	C-8	4.68	2.25	2000	5950	2950		1a, 2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 11a	
				<b>43704 Q300T3-6PK</b>	120	144	C-8	4.69	2.25	2000	5900	2950		1a, 2a, 2j, 4a, 4c, 4d, 4e, 4f, Frosted, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 11a	
				<b>43703 Q300T3/CL-6PK</b>	120	144	C-8	4.69	2.25	2000	5950	2950		1a, 2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 11a	
				<b>19379 Q300T3/CL/CD 5PK</b>	120	60	C-8	4.69	2.25	2000	5950	2950		1a, 2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Horizontal, Carded	
				<b>27447 Q300T3CL/CD2-5PK</b>	120	60	C-8	4.69	2.25	2000	5950	2950		1a, 2a, 2j, 4a, 4c, 4d, 4e, 4f, Clear, Horizontal, Carded	
	T4	R7s	300	<b>43705 Q300T4/CL</b>	120	12	CC-8	3.13	2.25	2000	5650	2900		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 9a, 9d, 10b, 10c, 11a	





# Halogen Lamps








Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>QUARTZLINE® (CONTINUED)</b>														
<b>HALOGEN (CONTINUED)</b>														
	T4	Mini-Cand	400	<b>43706 Q400MC</b>	120	6	CC-8	3.62	2	2000	7850	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e
				<b>43707 Q400CL/MC</b>	120	6	CC-8	3.62	2	2000	8250	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e
	T2.5	R7s	500	<b>15537 Q500T3/HD/2CD</b>	120	5	C-8	4.68	2.25	2000	11100	2950		1a, 2a, 2j, 2k, 4a, 4c, 4d, 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b
				<b>23731 Q500T3/CL</b>	120	12	C-8	4.69	2.25	2000	11100	3000		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b
				<b>23733 Q500T3/CL</b>	130	12	C-8	4.69	2.25	2000	10550	3000		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b
				<b>23744 Q500T3/CL/6-12PK</b>	120	144	C-8	4.69	2.25	1500	10950	3000		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, 6 Filament 4e, 4f, 4g, 8a, 9a, 9d,, Support, Rough 10b, 10c, 12b Service, Horizontal
				<b>19382 Q500T3/CL/CD 5PK</b>	120	60	C-8	4.69	2.25	2000	11100	3000		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal, 4e, 4f, 4g, 8a, 9a, 9d, Carded 10b, 10c, 12b
				<b>27448 Q500T3CL/CD2-5PK</b>	120	60	C-8	4.69	2.25	2000	11100	3000		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal, 4e, 4f, 4g, 8a, 9a, 9d, Carded 10b, 10c, 12b
	T4	D C Bay	500	<b>43709 Q500DC</b>	120	6	CC-8	3.44	2.13	2000	10100	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Frosted 4g, 8a, 9a, 9d, 10b, 10c, 12e
				<b>43710 Q500CL/DC</b>	120	6	CC-8	3.44	2.13	2000	10450	2950		1a, 2a, 2j, 4a, 4c, 4e, 4f, Clear 4g, 8a, 9a, 9d, 10b, 10c, 12e
	T8	Spec 1" Ribbon	500	<b>39071 Q500T8/1CL</b>		20	CC-8	4.25	2.5	500	13400	3200		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Airport, 4e, 4f, 4g, 8a, 9a, 9d, Special bulb 10b, 10c, 12b
	PAR56	Mog End Pr	500	<b>43494 Q500PAR56NSP</b>	120	6	CC-6	5		4000	8000	2950	96000	1a, 2a, 2j, 4b, 4c, 4f, 4g, Narrow Spot 7a, 9b, 10c
				<b>43495 Q500PAR56MFL</b>	120	6	CC-6	5		4000	8000	2950	43000	1a, 2a, 2j, 4b, 4c, 4f, 4g, Medium Flood 7a, 9b, 10c
				<b>43496 Q500PAR56WFL</b>	120	6	CC-6	5		4000	8000	2950	19000	1a, 2a, 2j, 4b, 4c, 4f, 4g, Wide Flood 7a, 9b, 10c
	T3	R7s	1000	<b>43711 Q1000T3/CL-6PK</b>	230	144	C-8	10.06	6.13	2000	21500	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b
				<b>43712 Q1000T3/CL-6PK</b>	240	144	C-8	10.06	6.44	2000	21500	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b
	T6	R7s	1000	<b>23800 Q1000T6/CL</b>	120	6	CC-8	5.63	1	2000	23400	3200		1a, 2a, 2j, 4a, 4c, 4e, Clear 4f, 4g, 8a, 9a, 9d, 10b, 10c
	T20	Mog BiPost	1000	<b>41734 Q1000T20BP</b>	120	6	CC-8	9.5	4	3000	22400	3050		12c Clear, Lighthouse, Base Down
	PAR64	ExMogEndPr	1000	<b>43497 Q1000PAR64NSP</b>	120	6	CC-6	6		4000	19400	3000	200000	1a, 2a, 2j, 4b, 4c, 4f, Narrow Spot 4g, 7a, 9b, 10c
				<b>43498 Q1000PAR64MFL</b>	120	6	CC-6	6		4000	19400	3000	80000	1a, 2a, 2j, 4b, 4c, 4f, Medium Flood 4g, 7a, 9b, 10c
				<b>43499 Q1000PAR64/WFL</b>	120	6	CC-6	6		4000	19400	3000	33000	1a, 2a, 2j, 4b, 4c, 4f, Wide Flood 4g, 7a, 9b, 10c



# Halogen Lamps






Bulb Shape	Base Type	Order Watts	Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>QUARTZLINE® (CONTINUED)</b>															
<b>HALOGEN (CONTINUED)</b>															
T3	R7s	1500	23828	Q1500T3/CL-12PK	208	144	C-8	10.06	6.25	2000	35800	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	
			23826	Q1500T3/CL-12PK	220	144	C-8	10.06	6.81	2000	35800	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	
			23830	Q1500T3/CL	240	12	C-8	10.06	6.31	2000	35800	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	
			23832	Q1500T3/CL	277	12	C-8	10.06	6.25	2000	34400	3050		1a, 2a, 2j, 2k, 4a, 4c, 4d, Clear, Horizontal 4e, 4f, 4g, 8a, 9a, 9d, 10b, 10c, 12b	
	Wire Lead	6000	23843	Q6M/T3/CL/HT	480	12	C-8	11.94	9.75	100		3250		1a, 2a, 2b, 4c, 4d, 4e, 4f, Clear, Infrared, High 4g, 8a, 9a, 9d, 10b, Temp, Constr. 10c, 12b, 12e	
	Slv	6600	13511	QH6600T3/CL/HT	480	12	C-8	11.94	9.75	150				1a, 2a, 2b, 4c, 4d, 4e, 4f, Clear, Infrared, 4g, 8a, 9a, 9d, 10b, Horizontal 10c, 12b, 12e	
<b>AIRPORT</b>															
T2.5	Special	45	23847	Q6.6A/T2 1/2/1CL	12	C-8	1.75			1000	710			2a, 2j, 4a, 4c, 4e, 4f, Clear, Airport 4g, 8a, 9a, 9d, 10b, 10c	
T4	PK30d	100	80584	Q6.6A100PK30d-m	10	CBAR-6	2.0	0.79	1000	2700				2a, 2j, 4a, 4c, 4e, 4f, Airport, Male Spade 4g, 8a, 9a, 9d, 10b, 10c	
T5	PK30d	100	80588	Q6.6A100PK30d-f	10	CBAR-6	2.0	0.79	1000	2700				2a, 2j, 4a, 4c, 4e, 4f, Airport, 4g, 8a, 9a, 9d, 10b, 10c Female Spade	
T6	PK30d	150	80585	Q6.6A150PK30d-m	10	CBAR-6	2.0	0.79	1000	3600				2a, 2j, 4a, 4c, 4e, 4f, Airport, Male Spade 4g, 8a, 9a, 9d, 10b, 10c	
T7	PK30d	150	80589	Q6.6A150PK30d-f	10	CBAR-6	2.0	0.79	1000	3600				2a, 2j, 4a, 4c, 4e, 4f, Airport, 4g, 8a, 9a, 9d, 10b, 10c Female Spade	
T8	PK30d	200	80586	Q6.6A200PK30d-m	10	CC-6	2.3	0.79	1000	4800				2a, 2j, 4a, 4c, 4e, 4f, Airport, Male Spade 4g, 8a, 9a, 9d, 10b, 10c	
T9	PK30d	200	80590	Q6.6A200PK30d-f	10	CC-6	2.3	0.79	1000	4800				2a, 2j, 4a, 4c, 4e, 4f, Airport, 4g, 8a, 9a, 9d, 10b, 10c Female Spade	
T4	Spec 1" Ribbon	200	23857	Q6.6A/T4/5CL	12	CC-8	3			500	5000			2a, 2j, 4a, 4c, 4e, 4f, Clear, Airport 4g, 8a, 9a, 9d, 10b, 10c	
	D C Bay	200	23860	Q6.6AT4/DCR	12	CC-6	2.5	1.06	500	5150				2a, 2j, 4a, 4c, 4e, Clear, Airport, 4f, 4g, 8a, 9a, 9d, 10b, Ringed 10c, 12e	
PAR56	Scrw Term	200	33279	Q6.6A PAR56/3	12	CC-6	4.5			1000			200000	2a, 2j, 4b, 4c, 4d, 4f, 4g, PAR, Airport, BDTH 7a, 9b, 10c	
PAR56	Mog End Pr	200	38271	Q6.6A/PAR56/2	12	CC-6	5			1000			16000	2a, 2j, 4b, 4c, 4d, 4f, 4g, PAR, Airport, BDTH 7a, 9b, 10c	
			18309	Q6.6A/PAR56/4	12	CC-6	5			600				2a, 2j, 4b, 4c, 4d, 4f, 4g, PAR, Airport, 7a, 9b, 10c Prismatic Lens, BDTH	
PAR64	Mog End Pr	200	13224	Q6.6A/PAR 64/2P	6	CC-6	4.5			2000				2a, 2j, 4b, 4c, 4d, 4f, 4g, PAR, Airport, BDTH 7a, 9b, 10c	
PAR56	Scrw Term	300	32861	Q20A/PAR56/2	12	CC-6	4.5			500			200000	2a, 2j, 4b, 4c, 4f, 4g, PAR, Airport, Burn 7a, 9b, 10c Position: Any	
	Mog End Pr	300	15482	Q20A/PAR56/C	12	CC-6	5			500				2a, 2j, 4c, 4f, 4g, 7a, PAR, Airport, 9b, 10c Teflon® Coated, Burn Position: Any	
PAR64	Mog End Pr	300	13223	Q6.6A/PAR 64/3P	6	CC-6	4.5			2000				2a, 2j, 4b, 4c, 4d, 4f, PAR, Airport, BDTH 4g, 7a, 9b, 10c	
PAR56	Scrw Term	499	23863	Q20A/PAR56/3	12	CC-6	4.5			500			330000	2a, 2j, 4b, 4c, 4d, 4f, PAR, Airport, BDTH 4g, 7a, 9b, 10c	
	Mog End Pr	500	15485	Q20A/PAR56/1/C	12	CC-6	5			500				2a, 2j, 4c, 4f, 4g, 7a, PAR, Airport, 9b, 10c Teflon® Coated, Burn Position: Any	



Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>TUBULAR QUARTZ HEAT</b>															
	Slv	300	39019	QH300T3/CL	120	12	C-8	8.47	4.19	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
		375	21337	QH375T3/CL		12	C-8	8.81	5.06	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
	R7s	375	38893	QH375T3/CL/7	120	12	C-8	8.69	5.06	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
		500	21787	QH500T3/CL/7	120	12	C-8	8.69	4.81	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
	Slv	500	21788	QH500T3/CL	120	12	C-8	8.81	4.81	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
		1000	22355	QH1000T3/CL	210	12	C-8	13.81	10	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
			22357	QH1000T3/CL	240	12	C-8	13.81	10	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
			22358	QH1000T3/CL/1	240	12	C-8	11.88	10	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal 12b, 12e	
			22365	QH1000T3/2CL/HT	240	12	C-8	13.81	10	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Constr., 12b, 12e Horizontal	
		1200	22531	QH1200T3/CL	144	12	C-8	8.81	6.13	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal 12b, 12e	
			22532	QH1200T3/CL/HT	144	12	C-8	8.81	6.13	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Constr., 12b, 12e Horizontal	
		1600	22686	QH1600T3/CL	210	12	C-8	19.81	15.88	5000		2350		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
			22688	QH1600T3/CL	240	12	C-8	19.81	15.88	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal 12b, 12e	
			22695	QH1600T3/CL	277	12	C-8	19.81	15.88	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
	R7s	1600	22691	QH1600T3/CL/7	240	12	C-8	19.63	15.88	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
			22699	QH1600T3/CL/7	210	12	C-8	19.63	15.88	5000		2350		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Horizontal 4f, 4g, 9a, 9d, 10b, 10c, 12b, 12e	
	CER	2000	12716	QH2MT3/CL/HT/R	230	12	C-8		11.06	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Horizontal, 12b, 12e Reflector 170°	
	Slv	2000	15551	QH2MT3/1CL/HT/VB	240	12	C-8	11.94	9.69	500		2450		1a, 2a, 2b, 3a, 4c, 4d, Infrared, Clear, High 4e, 4f, 4g, 9a, 9d, 10b, Temp, Constr., 10c, 12e Universal	
			18668	QH2MT3/CL/VB	230	12	C-8	13.81	11.06	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Universal 12b, 12e	
			22789	QH2M/T3/1CL/HT	240	12	C-8	11.94	9.69	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Constr. 12b, 12e	
			22790	QH2M/T3/CL/HT	225	12	C-8	13.81	10	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Constr., 12b, 12e Horizontal	
	R7s	2500	22837	QH2500T3/CL/7	460	12	C-8	28.63	24.88	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal 12b, 12e	



# Halogen Lamps

Bulb Shape	Base Type	Order Watts	Order Code	Description	Case Volts	Filament Qty.	Type	MOL	LCL	Rated Life (hrs)	Lumens Initial	Initial Color Temp.	CBCP	Footnotes	Additional Information
<b>TUBULAR QUARTZ HEAT (CONTINUED)</b>															
	T3	Slv	2500	<b>22838 QH2500T3/CL</b>	480	12	C-8	28.81	24.88	5000		2400		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal 12b, 12e	
		CER	2500	<b>28126 QH2.5MT3/CL/HT/R</b>	400	12	C-8	15.1	12.3	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, High Temp, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal, 12b, 12e	Reflector 170°
		M4 Lug Term	2500	<b>28129 QH2500T3/VB-10PK</b>	240	10	C-8	13.8	11	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Universal 12b, 12e	
		CER	3000	<b>28127 QH3MT3/CL/HT/R</b>	400	12	C-8	15.1	12.3	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, High Temp, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal, 12b, 12e	Reflector 170°
		M4 Lug Term	3000	<b>28130 QH3MT3/VB-10PK</b>	240	10	C-8	13.8	11	5000		2450		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Universal 12b, 12e	
			3650	<b>10872 QH3650T3/CL/5</b>	480	6	C-8	41.63	38	5000		2500		1a, 2a, 2b, 3a, 4f, 5a, 5b, Infrared, Horizontal 9a, 9d, 10c, 12b, 12e	
		Slv	3800	<b>22875 QH3800T3/CL</b>	575	6	C-8	41.81	38	5000		2500		1a, 2a, 2b, 3a, 4f, 5a, 5b, Infrared, Horizontal 9a, 9d, 10c, 12b, 12e	
				<b>22878 QH3800T3/CL/VB</b>	575	6	C-8	41.81	38	5000		2500		1a, 2a, 2b, 3a, 4f, 5a, 5b, Infrared, Clear, 9a, 9d, 10c, 12e	Universal
			5000	<b>22900 QH5M/T3/1CL/HT</b>	600	12	C-8	28.81	25.25	5000		2500		1a, 2a, 2b, 3a, 4c, 4d, 4e, Infrared, Clear, High 4f, 4g, 9a, 9d, 10b, 10c, Temp, Constr., 12b, 12e	Horizontal
		M4 Lug Term	6000	<b>29889 QH6000T3/HT-ASM</b>	480	12	C-8	14.2	11.4					1a, 2a, 2b, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal, 12b, 12e	High Temp.
		Wire Lead	6000	<b>23843 QH6MT3/CL/HT</b>	480	12	C-8	11.94	9.75	100		3250		1a, 2a, 2b, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal, 12b, 12e	High Temp.
		M4 Lug Term	6600	<b>13511 QH6600T3/CL/HT</b>	480	12	C-8	11.94	9.75	150				1a, 2a, 2b, 4c, 4d, 4e, Infrared, Clear, 4f, 4g, 9a, 9d, 10b, 10c, Horizontal, 12b, 12e	High Temp.



## GENERAL INFORMATION

### HALOGEN LAMP OPERATING PRECAUTIONS

The lamps listed in this catalog are filled to high internal gas pressures to maximize lamp efficacy (lumens per watt). Some general cautions are given below.

### HIGH OPERATING TEMPERATURES

Since operating temperatures are critical to the effective self-cleaning properties of halogen lamps, filament tube wall temperatures should not go below 482°F (250°C). Hot spots on the bulb wall itself can go as high as 1230°F (700°C) in normal operation.

Substantial heat is generated in all halogen lamps, so equipment design should make allowance for the dissipation of excessive heat. Certain lamps and extremely confined fixtures may require additional ventilation or heat sinking to ensure proper operation of the halogen cycle and to prevent damage to the fixture. It is a good practice to test the lamp in the operating environment early in the design cycle to ensure adequate performance. Precautions must be taken in the selection of materials for lampholders, reflectors and lamp housings because the 1230°F (700°C) bulb wall temperature is greater than the kindling temperature of many materials. Lamp base temperatures should not exceed 662°F (350°C) because, above that point, lead wires may deteriorate and the basing cement loosen, causing premature lamp failure.

### DISTRIBUTION OF SPECTRAL RADIATION

Halogen lamps offer large amounts of visible and infrared energy from a small light source, with about 90% of the energy in the infrared. Some halogen lamps can be used for special applications where small amounts of ultraviolet energy are required. The slight ultraviolet radiation that comes from unprotected sources could cause skin and eye irritation following extended direct exposure. Passing the light through ordinary glass or plastic provides adequate protection. The lenses of the PAR, TAL or Cover Glass Precise™ lamps provide this protection.

## OPERATING NOTES

- Turn power off and let lamp cool before removal to avoid potential burn and electrical shock during lamp replacement
- Do not use lamp if outer glass is scratched or broken because it may break during installation or later during operation
- Do not use lamp in close proximity to combustible materials or those adversely affected by drying or fading action because of heat radiation in the lamp beam
- Dispose of removed lamp with care such as placing in used lamp carton or other closed container

### COMPACT PAR LAMPS (PAR20/30)

- Use outdoors in enclosed fixtures or where protected from exposure to water

### QUARTZLINE® PAR (250W)

- Avoid use where subjected to exposure to moisture which may cause lamp to break or shatter
- Do not operate lamp over 110% rated voltage. Overvoltage operation increases pressure and tendency to break.
- Use this lamp only in fixtures designed for Q250PAR38 lamps

### QUARTZ HEAT LAMPS

GE standard quartz heat products are primarily pressurized halogen lamps. Many standard tungsten coil filaments have been converted to a deflection coil winding design that eliminates the need for filament supports through an integral coil/support construction. These changes will improve lamp life as well as keep the bulb wall cleaner during operation and throughout the life of the lamp.

In general, halogen lamps are more efficient than ordinary incandescent lamps. HIR™ lamps are the most efficient halogen lamps we offer. For each application, check life, lumens, wattage, beam spread and lamp dimensions to determine proper bulb selection.

GE has added a reflectorized heat lamp with a patented design that directs the infrared to a surface rather than in 360° angle.

### HALOGEN CAUTION NOTICE – GENERAL

Halogen lamps are constructed of a glass bulb with a pressurized internal filament tube that operates at high temperatures and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture enclosure and/or surrounding environment, thereby creating a risk of personal injury or fire.

### HALOGEN A-LINE (TB/H)

Caution: Cracked or broken bulbs that still light should be replaced immediately. The inner tube of the GE Halogen lamp is pressurized, operates at high temperature and could unexpectedly shatter with the possibility of property damage or personal injury. Avoid use in unstable table lamps, dispose of with care. To avoid burns, electricity should be switched off and the lamp allowed to cool for several minutes before removing from socket. Use outdoors only in enclosed fixtures or where protected from exposure to water.

### OPERATING NOTES – LOW VOLTAGE LAMPS

Low voltage tungsten-halogen lamps are sensitive to voltage variations. Even a small change in voltage can have a considerable impact on lamp life. Designers should match fixture transformer ratings to actual line voltages to ensure that the lamps operate at as close to 12 volts as possible.

Rapid cycling can also shorten lamp life, and designers should take advice from their GE Lighting representative before using these lamps in flashing or blinking applications.

The lamps may be dimmed by reducing voltage. However, this may cause the bulbs to blacken. If this occurs the lamp should be run at full voltage for fifteen minutes, thereby clearing the problem. Note that the nature of low voltage lighting systems requires the use of fluorescent-type dimmers. Lamp can be operated on AC or DC currents.



## WARNINGS AND CAUTION NOTICES

1

### ▲ WARNING

#### Risk of electric shock

- a Turn power off before inspection, installation or removal
- b Turn power off if glass bulb is broken, even if bulb continues to light. Remove and dispose of lamp.
- c Do not open. No user serviceable parts inside.

2

### ▲ WARNING

#### Risk of fire

- a Keep combustible materials away from lamp
- b Use in fixture rated for this product
- c Use in fixture rated for this product—see instructions
- d Operate base down to horizontal only
- e In table lamp use only with shade
- f Do not use in enclosed fixture or with lamp shade
- g Use in high intensity fixture rated for this product
- h Do not use as a night light
- i Burning position base down only
- j Use in enclosed fixture rated for this product
- k Fire Hazard! Do not use in Torchiere or other indoor residential fixtures

3

### ▲ WARNING

#### Lamp emits IR radiation which may cause eye injury

- a Avoid exposure of eyes and skin to unshielded lamp

4

### ▲ WARNING

#### Pressurized lamp—unexpected rupture may cause injury, fire, or property damage

- a Use eye protection when handling lamp
- b Avoid direct water/liquid contact
- c Use in enclosed fixture rated for this product
- d Operate lamp only in specified position
- e Do not touch glass with bare hands
- f Do not use lamp if outer glass is scratched or broken
- g Do not exceed 110% of rated voltage
- h Do not use where directly exposed to water or outdoors without an enclosed fixture
- i Do not exceed rated voltage
- j Do not use lamp if outer jacket is scratched or broken, even if bulb continues to light. Turn power off, remove and dispose.
- k Do not use in wet locations

5

### ▲ WARNING

#### Unexpected lamp rupture may cause injury, fire, or property damage

- a Do not touch glass with bare hands
- b Operate lamp only in specified position
- c Use in enclosed fixture rated for this product
- d Do not use lamp if outer glass is scratched or broken
- e Avoid direct water, liquid or metal contact

6

### ▲ WARNING

#### Risk of burn

- a Do not touch operating lamp

7

### ▲ WARNING

#### A damaged lamp emits UV radiation which may cause eye/skin injury

- a Turn power off if glass bulb is broken. Remove and dispose of lamp.

8

### ▲ WARNING

#### Lamp emits UV radiation which may cause eye/skin injury.

- a Avoid exposure of eyes and skin to unshielded lamp

9

### ▲ CAUTION

#### Risk of burn

- a Allow lamp to cool before handling
- b Allow lamp/fixture to cool before handling
- c Do not touch operating lamp
- d Turn power off before installing lamp

10

### ▲ CAUTION

#### Lamp may shatter and cause injury if broken

- a Wear safety glasses and gloves when handling lamp
- b Dispose of lamp in a closed container
- c Do not use lamp if outer glass is scratched or broken

11

### ▲ CAUTION

#### Lamp emits UV radiation which may cause eye/skin irritation.

- a Minimize exposure

12

#### OP. INST.

- a Burning Position - Base up
- b Burning position - horizontal
- c Burn base down only
- d Burn base down to horizontal
- e Limit seal temp to 650°F. Maintain min bulb wall temp of 500°F for operation of halogen cycle



## HALOGEN LAMPS CROSS REFERENCE

<i>GE Description</i>	<i>Osram/Sylvania Description</i>	<i>Philips Description</i>
<b>ORDER THIS GE LAMP</b>	<b>IF YOU CURRENTLY USE THESE LAMPS</b>	
<b>HALOGEN PAR LAMPS</b>		
60PAR16/H/SP10	60PAR16/CAP/NSP10	60PAR16/HAL/NSP10
60PAR16/H/FL30	60PAR16/CAP/NFL30	60PAR16/HAL/NFL27
75PAR16/H/SP10	75PAR16/CAP/NSP10	—
75PAR16/H/FL30	75PAR16/CAP/NFL30	—
Q21EMR16/C/SP12	—	—
Q21EMR16/C/FL25	—	—
50PAR20/H/SP10	50PAR20/CAP/SPL/NSP10	50PAR20/HAL/NSP9
50PAR20/H/FL25	50PAR20/CAP/SPL/NFL30	50PAR20/HAL/NFL30
50PAR30/H/SP10	50PAR30/CAP/SPL/NSP9	50PAR30S/HAL/NSP10
50PAR30/H/FL25	50PAR30/CAP/SPL/NFL25	50PAR30S/HAL/NFL30
50PAR30/H/FL35	50PAR30/CAP/SPL/FL40	50PAR30S/HAL/FL40
50PAR30L/H/SP10	50PAR30LN/CAP/SPL/NSP9	50PAR30L/HAL/NSP9
50PAR30L/H/FL40	52PAR30LN/CAP/SPL/NFL30	50PAR30L/HAL/NFL30
50PAR30L/H/WFL	50PAR30LN/CAP/SPL/WFL50	50PAR30L/HAL/WFL60
60PAR30/H/NSP9	60PAR30/CAP/SPL/NSP9	60PAR30S/HAL/NSP10
60PAR30/H/FL25	60PAR30/CAP/SPL/NFL25	60PAR30S/HAL/NFL30
60PAR30/H/FL35	—	60PAR30S/HAL/NFL40
75PAR30/H/SP10	75PAR30/CAP/SPL/NSP9	75PAR30S/HAL/NSP10
75PAR30/H/FL25	75PAR30/CAP/SPL/NFL25	75PAR30S/HAL/NFL30
75PAR30/H/FL35	75PAR30/CAP/SPL/FL40	75PAR30S/HAL/FL40
75PAR30L/H/SP10	75PAR30LN/CAP/NSP9	75PAR30L/HAL/NSP9
75PAR30L/H/FL25	75PAR30LN/CAP/NFL25	75PAR30L/HAL/NFL30
75PAR30L/H/WFL	75PAR30LN/CAP/WFL40	75PAR30L/HAL/FL40
35PAR36/H/SP5	36PAR36/CAP/VNSP5	—
35PAR36/H/SP8	36PAR36/CAP/NSP13	—
35PAR36/H/FL30	36PAR36/CAP/FL32	—
35PAR36/H/WFL	—	—
50PAR36/H/SP5	50PAR36/CAP/NSP6	—
50PAR36/H/SP8	—	—
50PAR36/H/FL30	—	—
45PAR/H/SP10	45PAR/CAP/SPL/SP9	45PAR38/HAL/SP12/LL
45PAR/H/FL25	45PAR/CAP/SPL/FL30	45PAR38/HAL/FL28/LL
50PAR/H/SP10	—	—
50PAR/H/FL25	—	—
53PAR/H/SS/SP10	—	—
53PAR/H/SS/FL25	—	—
60PAR/H/SP10	60PAR/CAP/SPL/SP10	60PAR38/HAL/NSP10/WLL
60PAR/H/FL25	60PAR/CAP/SPL/NSL25	60PAR38/HAL/FL28/WLL
66PAR/H/SS/SP10	—	—
66PAR/H/SS/FL25	—	—
75PAR/H/NSP9	75PAR/CAP/SPLSP9	75PAR38/HAL/SP10/WLL
75PAR/H/FL25	75PAR/CAP/SPL/FL30	75PAR38/HAL/FL28/WLL
79PAR/H/SS/SP10	—	—
79PAR/H/SS/FL25	—	—
90PAR/H/SP10	90PAR/CAP/SPL/SP9	90PAR38/HAL/SP12/LL
90PAR/H/FL25	90PAR/CAP/SPL/FL30	90PAR38/HAL/FL28/LL

<i>GE Description</i>	<i>Osram/Sylvania Description</i>	<i>Philips Description</i>
<b>ORDER THIS GE LAMP</b>	<b>IF YOU CURRENTLY USE THESE LAMPS</b>	
<b>HALOGEN PAR LAMPS (CONTINUED)</b>		
90PAR/H/WFL	90PAR/CAP/SPL/WFL50	90PAR38/HAL/WFL60/WLL
100PAR/H/SP10	—	—
100PAR/H/FL25	—	—
120PAR/H/SP9	120PAR/CAP/SPL/SP10	—
120PAR/H/FL30	120PAR/CAP/SPL/FL30	—
Q250PAR/SP10	250PAR/CAP/SPL/SP10	—
Q250PAR/FL30	250PAR/CAP/SPL/FL30	—
Q500PAR56NSP	500PAR56QNSP	500PAR56Q/NSP
Q500PAR56MFL	500PAR56QMFL	500PAR56Q/MFL
Q500PAR56WFL	500PAR56QWFL	500PAR56Q/WFL
Q1000PAR64NSP	1000PAR64QNSP	1000PAR64Q/NSP
Q1000PAR64MFL	1000PAR64QMFL	1000PAR64Q/MFL
Q1000PAR64WFL	1000PAR64QWFL	1000PAR64Q/WFL
<b>HALOGEN HIR™ PAR LAMPS</b>		
45PAR30/HIR/SP9XL	—	—
45PAR30/HIR/FL25XL	—	—
45PAR30/HIR/FL35XL	—	—
50PAR30/HIR/SP9	50PAR30/CAP/IR/NSP9	50PAR30S/IRC/NSP10
50PAR30/HIR/FL25	50PAR30/CAP/IR/NFL25	50PAR30S/IRC/NFL30
50PAR30/HIR/FL35	50PAR30/CAP/IR/FL40	50PAR30S/IRC/FL40
45PAR/HIR/R/SP10	—	—
45PAR/HIR/R/FL25	—	—
45PAR/HIR/SP12XL	—	—
45PAR/HIR/FL40XL	—	—
50PAR/HIR/SP6	—	—
50PAR/HIR/SP9	50PAR/CAP/IR/NSP9	50PAR38/IRC/SP12
50PAR/HIR/FL25	50PAR/CAP/IR/NFL25	50PAR38/IRC/FL25
50PAR/HIR/S/SP10	—	—
50PAR/HIR/S/FL25	—	—
55PAR/HIR/R/SP10	—	—
55PAR/HIR/R/FL25	—	—
55PAR/HIR/SP12XL	—	—
55PAR/HIR/FL40XL	—	—
60PAR/HIR/SP10	60PAR/CAP/IR/SP9	60PAR38/IRC/SP12
60PAR/HIR/FL30	60PAR/CAP/IR/FL30	60PAR38/IRC/FL25
60PAR/HIR/FL40	—	—
60PAR/HIR/WFL	—	60PAR38/IRC/WFL
60PAR/HIR/S/SP10	—	—
60PAR/HIR/S/FL25	—	—
70PAR/HIR/SP10	—	—
70PAR/HIR/FL25	—	—
80PAR/HIR/SP10	80PAR/CAP/IR/SP10	—
80PAR/HIR/SP12	80PAR/CAP/IR/SP12	—
80PAR/HIR/FL25	80PAR/CAP/IR/FL25	—
90PAR/HIR/R/SP10	—	—
90PAR/HIR/R/FL25	—	—



## HALOGEN LAMPS CROSS REFERENCE

<i>GE Description</i>	<i>Osram/Sylvania Description</i>	<i>Philips Description</i>
<b>ORDER THIS GE LAMP</b>	<b>IF YOU CURRENTLY USE THESE LAMPS</b>	
<b>HALOGEN HIR™ PAR LAMPS (CONTINUED)</b>		
90PAR/HIR/SP12XL	—	—
90PAR/HIR/FL40XL	—	—
100PAR/HIR/SP10	100PAR/CAP/IR/SP10	100PAR38/IRC/SP10
100PAR/HIR/FL25	100PAR/CAP/IR/NFL25	100PAR38/IRC/FL25
100PAR/HIR/FL40	100PAR/CAP/IR/FL40	100PAR38/IRC/WFL
<b>HALOGEN MR11 LAMPS</b>		
Q20MR11/SP15	20MR11/SP10/FTB	20MRC11/SP10
Q20MR11/NFL30	20MR11/FL35/FTD	20MRC11/FL30
Q35MR11/NSP20	35MR11/SP10/FTE	—
Q35MR11/NFL30	35MR11/FL40/FTH	—
<b>HALOGEN STANDARD MR16 LAMPS</b>		
Q20MR16/SP	20MR16/NSP8/ESX	20MRC16/SP10
Q20MR16/FL	20MR16/FL40/BAB	20MRC16/FL36
Q50MR16/SP	50MR16/NSP12/EST	50MRC16/SP10
Q50MR16/FL	20MR16/FL40/EXN	50MRC16/FL38
<b>HALOGEN CONSTANTCOLOR® PRECISE™ MR16 LAMPS</b>		
Q20MR16/C/VNSP7	20MR16/T/NSP10	20MRC16/CC/SP10
Q20MR16/C/NSP15	—	20MRC16/CC/NFL24
Q20MR16/C/FL40	20MR16/T/NFL40	20MRC16/CC/FL38
Q35MR16/C/SP20	35MR16/T/NFL25	—
Q35MR16/C/FL40	35MR16/T/FL40	—
Q42MR16/C/VNSP9	50MR16/T/NSP10	—
Q50MR16/C/NSP15	—	50MRC16/CC/SP10
Q50MR16/C/NFL25	50MR16/T/NFL25	50MRC16/CC/NFL24
Q50MR16/C/NFL30	—	—
Q50MR16/C/FL40	50MR16/T/FL40	50MRC16/CC/NFL38
Q71MR16/C/NSP15	65MR16/T/NSP10	—
Q71MR16/C/NFL25	65MR16/T/NFL25	—
Q71MR16/C/FL40	65MR16/T/FL40	—
<b>HALOGEN HIR™ MR16 LAMPS</b>		
Q37MR16/HIR/CG10	37MR16/IR/NSP10C	35MRC16/IRC/SP8
Q37MR16/HIR/CG25	37MR16/IR/NFL25C	35MRC16/IRC/NFL24
Q37MR16/HIR/CG40	37MR16/IR/FL40C	35MRC16/IRC/FL36
Q50MR16/HIR/CG10	50MR16/IR/NSP10C	45MRC16/IRC/SP8
Q50MR16/HIR/CG25	50MR16/IR/NFL25C	45MRC16/IRC/NFL24
Q50MR16/HIR/CG40	50MR16/IR/FL40C	45MRC16/IRC/FL36

<i>GE Description</i>	<i>Osram/Sylvania Description</i>	<i>Philips Description</i>
<b>ORDER THIS GE LAMP</b>	<b>IF YOU CURRENTLY USE THESE LAMPS</b>	
<b>HALOGEN BIPIN LOW VOLTAGE</b>		
Q5T3/CL	5T3Q/CL	5W12V/Capsule
Q10T3/CL	10T3Q/CL	10W12V/Capsule
Q20T3/CL	20T3Q/CL/AX	20W12V/Capsule
Q35T3/CL	35TQ/CL/AX	35W12V/Capsule
Q50T4/CL	50T4Q/CL	50W12V/Capsule
Q75T4/CL	75T4Q/CL/RP	—
<b>HALOGEN SINGLE-ENDED</b>		
Q100CL/DC	100Q/CL/DC	100Q/CL/DC
Q100CL/MC	100Q/CL/MC	100Q/CL
Q100DC	100Q/DC	—
Q150CL/DC/2V	150Q/CL/DC/1	—
Q150CL/DC	150Q/CL/DC	150Q/CL/DC
Q150CL/MC	150Q/CL/MC/2	150Q/CL
Q150CL/MC/2V	150Q/CL/MC	—
Q150DC	150Q/DC	150Q/DC
Q150MC	150Q/MC	150Q
Q250CL/DC	250Q/CL/DC	250Q/CL/DC
Q250CL/MC	250Q/CL/MC/2	250Q/CL
Q250DC	250Q/DC	—
Q250MC	250Q/MC	—
<b>HALOGEN DOUBLE-ENDED</b>		
Q100T3/CL/CD	100T3Q/CL	BC100T3Q/CL/TP
Q150T3/CL	150T3Q/CL	BC100T3Q/CL/TP
Q300T3/CL	300T3Q/CL	300T3Q/P/CL
Q500T3/CL	500T3Q/CL	500T3Q/P/CL