



**From 1910 to the present day CML-IT engineers have found innovative ways to develop new product ideas. In 1922 CML-IT filed its first patent and has been developing lighting products ever since.**

Vertically integrated design, engineering, manufacturing and assembly capabilities make CML-IT responsive to the needs of aircraft manufacturers and maintenance facilities around the world.

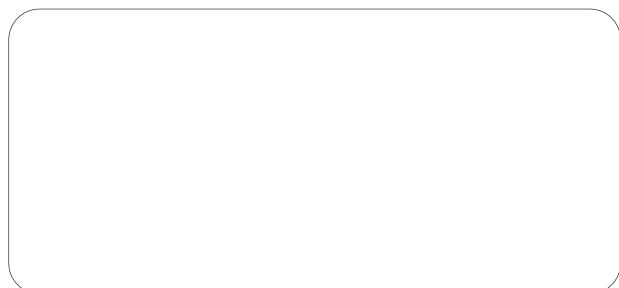
Every aviation lamp produced is designed to meet or exceed critical requirements for light output and service life, and, each design anticipates environmental, electrical and photometric conditions for aircraft and ground support applications.

Inspection, testing and statistical documentation set the standard for the industry and the result is lamps that not only deliver top rated performance and optimum service life but at a price which is less to operate.

CML-IT's aviation lamps provide styles and operating characteristics for a diverse range of applications:

- Status indicators
- Instrumentation lighting
- Cabin and flight decks
- Navigation and anti-collision
- Inspection lighting

## **To find the right aviation lighting solution contact:**



- CML-IT's Customer Service Department  
by telephone **+44 (0) 1284 714700**  
by fax **+44 (0) 1284 724850**  
by e-mail: **europa@cml-it.com**
- Visit the web site at **www.cml-it.com**

- CML-IT's local authorised Aviation Lamp Distributor

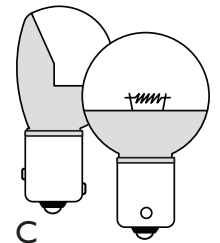
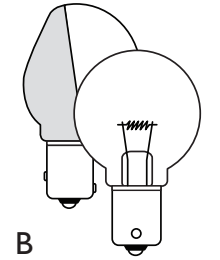
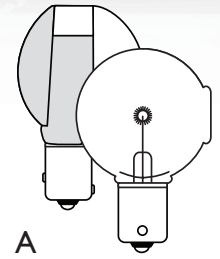
## Navigation & Anti-Collision Lamps

- Wide range of navigation and anti-collision lamps
- High light output & specified light distribution patterns
- Lamps appropriate for commercial and private aircraft applications
- Durability and consistency which meets with aviation requirements
- Federal Aviation Administration (FAA) parts manufacturer approval (PMA) as appropriate

| Part No.     | Lamp type | Description of base | Figure | Volts | Design Wattage | AV. Life (Hrs) | Special features | Military reference |
|--------------|-----------|---------------------|--------|-------|----------------|----------------|------------------|--------------------|
| CM116870     | GG12A     | SC Bayonet          | A      | 6.20  | 40             | 150            | note 1           | M6363/1-3          |
| CMA-7079B-24 | GG12A     | SC Bayonet          | A      | 28.00 | 40             | 150            | note 1           | M6363/1-1          |
| CMA-7796A-24 | GG12A     | DC Bayonet          | A      | 28.00 | 14/40          | 150            |                  |                    |
| CM626        | GG12B     | SC Bayonet          | B      | 6.20  | 40             | 300            | note 4           |                    |
| CM111631     | GG12B     | SC Bayonet          | B      | 6.20  | 40             | 300            | note 2           | M6363/3-2          |
| CMA-4174-24  | GG12B     | SC Bayonet          | B      | 28.00 | 40             | 300            | note 2           | M6363/3-1          |
| CMA-4174-24X | GG12B     | SC Bayonet          | B      | 28.00 | 40             | 300            | note 2,4         |                    |
| CM1512       | GG10      | SC Bayonet          | C      | 14.00 | 21             | 300            |                  |                    |
| CMA-7512-12  | GG10      | SC Bayonet          | C      | 14.00 | 26             | 300            |                  |                    |
| CM628        | GG10      | SC Bayonet          | C      | 26.50 | 26             | 300            |                  |                    |
| CM1524       | GG10      | SC Bayonet          | C      | 28.00 | 21             | 300            |                  |                    |
| CMA-7512-24  | GG10      | SC Bayonet          | C      | 28.00 | 26             | 300            | note 3           | M6363/2-2          |

note 1: Meets candlepower distribution requirements of MS25338  
 note 2: Meets candlepower distribution requirements of MS24513

note 3: Meets candlepower distribution requirements of MS25309  
 note 4: Nickel Centre Contact  
 Consult Factory for FAA/PMA Documentation

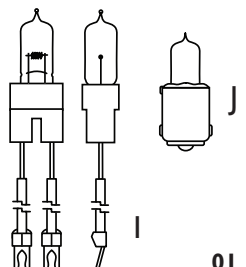
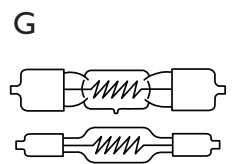
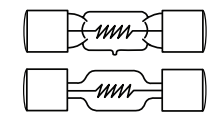
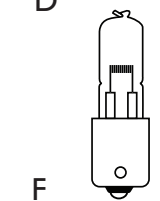
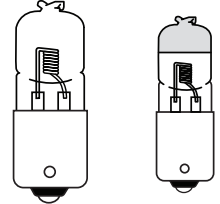


## Halogen Lamps

### Halogen regenerative cycle:

- Maintains nearly constant light output throughout the life of the lamp
- Maintains colour temperature during lamp life
- Allows for more compact bulbs than the conventional tungsten filament lamps of comparable ratings
- Almost twice the lamp life compared to conventional tungsten-filament lamps
- Increased light outputs and colour temperatures to values significantly above conventional tungsten-filament lamps

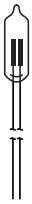
| Part No.       | Lamp type | Description of base | Figure | Volts | Amp ±10% | AV. Life (Hrs) | MSCP NOM      |
|----------------|-----------|---------------------|--------|-------|----------|----------------|---------------|
| CM767          | T2½       | SC min Bayonet      | D      | 6.00  | 2.000    | 50             | 19.00         |
| CM2059         | T2½       | SC min Bayonet      | D      | 12.00 | 0.833    | 2000           | 10.00         |
| CM8-A187       | T2½       | SC min Bayonet      | D      | 28.00 | 0.411    | 2000           | 10.50 (±1.38) |
| CM8-A259       | T2½       | SC min Bayonet      | D      | 28.00 | 0.429    | 4000           | 9.80 (±1.18)  |
| CM8-A194       | T3¼       | SC min Bayonet      | D      | 6.00  | 1.670    | 2000           | 10.00 (±1.50) |
| CM8GH005678-06 | T3¼       | Min bayonet         | D      | 6.00  | 1.670    | 5000           | 9.95          |
| CM8GH005448-28 | T3¼       | Min bayonet         | D      | 28.00 | 0.411    | 2000           | 10.50         |
| CM9203         | T5        | Min bayonet         | D      | 28.00 | 1.250    | 2000           | 50.00         |
| CM2059X        | T2½       | SC min Bayonet      | E      | 12.00 | 0.833    | 4000           | 8.60 (±1.29)  |
| CM8-A193       | T3¼       | SC min Bayonet      | E      | 6.00  | 2.000    | 2000           | 10.00 (±1.50) |
| CM8GH003912-06 | T3¼       | Min bayonet         | E      | 6.00  | 2.000    | 2000           | 9.95          |
| CM8GH004554-28 | T3¼       | Min bayonet         | E      | 28.00 | 0.411    | 2000           | 9.95          |
| CM11982SP      | T3        | SC Bayonet          | F      | 28.00 | 2.679    | 2000           | 107.00        |
| CM11978X       | T3        | Special             | G      | 10.00 | 10.000   | 2000           | 130.00        |
| CM8-A103       | T3        | Special             | G      | 28.00 | 1.786    | 1000           | 60.00         |
| CM11970X       | T3        | Special             | H      | 28.00 | 3.571    | 1000           | 140.00        |
| CM11967        | T3        | Special             | H      | 28.00 | 5.357    | 1000           | 210.00        |
| CM11970        | T3        | Special             | H      | 28.00 | 3.571    | 1000           | 150.00        |
| CM250021       | T3        | Special             | I      | 14.00 | 3.571    | 150            | 95.00         |
| CM692          | T4        | DC Bayonet          | J      | 28.00 | 0.893    | 200            | 30.00 (±5.0)  |



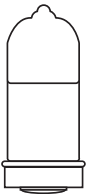
## Neon Lamps

- One of the most economical forms of 'power-on' indication for line voltage applications
- Available in a variety of sizes, shapes and performance characteristics
- Superior performance under shock and vibration conditions
- Very low operating current
- Efficient and cost effective, neon lamps are a primary indication choice for multiple aviation applications

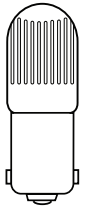
| Part No.     | Lamp type | Description of base | Figure | Maximum Strk. volts |       | Design current mA | Series Resistor Value |                   | AV. Life (Hrs) | Brightness | Military reference           |
|--------------|-----------|---------------------|--------|---------------------|-------|-------------------|-----------------------|-------------------|----------------|------------|------------------------------|
|              |           |                     |        | AC                  | DC    |                   | 100-120V AC or DC     | 220-250V AC or DC |                |            |                              |
|              |           |                     |        | GG                  | HH    |                   | JJ                    | KK                |                |            |                              |
| A1A (NE-2)   | T2        | Wire Terminal       | GG     | 65.0                | 90.0  | 0.60              | 100KΩ¼W               | 540KΩ½W           | 25000          | Standard   |                              |
| A1G          | T2        | Midget Flange       | HH     | 65.0                | 90.0  | 0.30              | 220KΩ¼W               | 540KΩ½W           | 25000          | Standard   |                              |
| A1H          | T2        | Midget Flange       | HH     | 95.0                | 135.0 | 1.20              | 47KΩ¼W                | 150KΩ½W           | 25000          | High       |                              |
| C7A (NE-2D)  | T2        | Midget Flange       | HH     | 65.0                | 90.0  | 0.70              | 100KΩ¼W               | 220KΩ½W           | 25000          | Standard   | M15098/11-001 (MS25252-NE2D) |
| C9A (NE-2)   | T2        | Midget Flange       | HH     | 95.0                | 135.0 | 1.90              | 30KΩ¼W                | 100KΩ½W           | 25000          | High       | M15098/11-002                |
| B2A (NE-51H) | T3¼       | SC min Bayonet      | JJ     | 95.0                | 135.0 | 1.20              | 47KΩ¼W                | 150KΩ½W           | 25000          | High       | M15098/10-002                |
| B1A (NE-51)  | T3¼       | SC min Bayonet      | JJ     | 65.0                | 90.0  | 0.30              | 220KΩ¼W               | 540KΩ½W           | 25000          | Standard   | M15098/10-001                |
| B9A (NE-48)  | T4¼       | DC Bayonet          | KK     | 65.0                | 90.0  | 2.00              | 30KΩ¼W                | 100KΩ½W           | 5000           | Standard   | M15098/6-002                 |



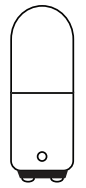
GG



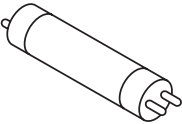
HH



JJ



KK



LL

## Fluorescent Tubes

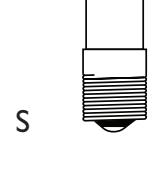
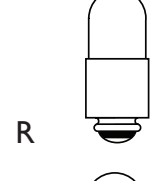
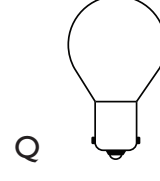
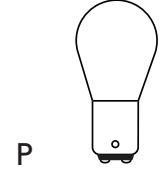
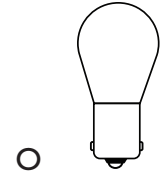
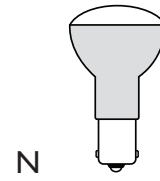
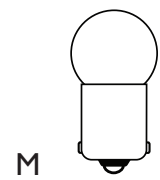
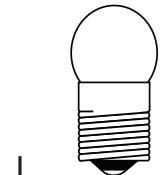
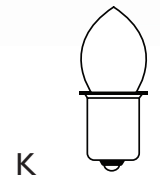
- Available in a wide range of wattages from 4W to 65W
- Warm White (3100k) and Cool White (4200k) as standard
- Many colours available on request
- Exceptional 'lamp-to-lamp' consistency
- Bi-pin bases for all sizes
- Miniature pin-less bases for T5 versions
- Compatible with both electronic and magnetic ballasts
- Industry standard replacement for general and commercial aircraft
- All products CE certified and CE marked as standard
- Rapid-start (IRS) versions available
- Alternative 'length' versions available
- Alternative ratings available on request

| Part No.            | Lamp type | Figure | Op. voltage NOM | Lamp current A | Nominal Wattage | Light Output (LM) | Colour Temp (K) | Average Life (HR) |
|---------------------|-----------|--------|-----------------|----------------|-----------------|-------------------|-----------------|-------------------|
| 5004WW (5004CW)     | T5        | LL     | 29              | 0.170          | 4.9             | 145 (140)         | 3100 (4200)     | 7500              |
| CM5104WW (CM5104CW) | T5        | LL     | 29              | 0.170          | 4.9             | 145 (140)         | 3100 (4200)     | 7500              |
| CM5106WW (CM5106CW) | T5        | LL     | 42              | 0.160          | 6.7             | 290 (270)         | 3100 (4200)     | 7500              |
| 5008WW (5008CW)     | T5        | LL     | 57              | 0.145          | 8.3             | 400 (380)         | 3100 (4200)     | 7500              |
| CM5108WW (CM5108CW) | T5        | LL     | 57              | 0.145          | 8.3             | 400 (380)         | 3100 (4200)     | 7500              |
| 5013WW (5013CW)     | T5        | LL     | 95              | 0.165          | 15.7            | 880 (860)         | 3100 (4200)     | 7500              |
| CM5113WW (CM5113CW) | T5        | LL     | 95              | 0.165          | 15.7            | 880 (860)         | 3100 (4200)     | 7500              |
| F14W133T8           | T8        | LL     | 38              | 0.395          | 15.0            | 700               | 4300            | 14000             |
| F15W184T8           | T8        | LL     | 45              | 0.310          | 14.0            | 950               | 4000            | 14000             |
| F15W183T8           | T8        | LL     | 55              | 0.310          | 17.1            | 950               | 3000            | 14000             |
| F017W730T8          | T8        | LL     | 70              | 0.265          | 18.6            | 1300              | 3100            | 24000             |
| F25W30129T8         | T8        | LL     | 84              | 0.360          | 30.2            | 1800              | 3000            | 14000             |
| F30W133T8           | T8        | LL     | 96              | 0.365          | 35.0            | 2200              | 4300            | 14000             |
| F30W184T8           | T8        | LL     | 96              | 0.365          | 35.0            | 2400              | 4000            | 14000             |
| F025W730T8          | T8        | LL     | 100             | 0.265          | 26.5            | 2025              | 3100            | 24000             |
| F20W129             | T12       | LL     | 57              | 0.370          | 21.1            | 1200              | 3000            | 10000             |
| F40W1M129           | T12       | LL     | 81              | 0.556          | 45.0            | 2800              | 3000            | 9000              |
| F40W1M133           | T12       | LL     | 81              | 0.556          | 45.0            | 2800              | 4300            | 9000              |

## Incandescent Lamps

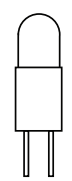
- Available in a range of configurations and performance characteristics
- Wide variety of sizes, operating voltages and light output
- Low cost
- Bright white light output
- Industry preferred light source for backlighting, illumination and indication
- Designed to meet or exceed the requirements of aviation applications

| Part No.   | Lamp type | Description of base | Figure | Volts | Amp ±10% | AV. Life (Hrs) | MSCP NOM | Special Features    | Military Reference        |
|------------|-----------|---------------------|--------|-------|----------|----------------|----------|---------------------|---------------------------|
| PR4        | B3½       | SC min Flange       | K      | 2.33  | 0.270    | 10             | 0.400    | Flashlight Prefocus |                           |
| PR2        | B3½       | SC min Flange       | K      | 2.38  | 0.500    | 15             | 0.800    | Flashlight Prefocus |                           |
| PR6        | B3½       | SC min Flange       | K      | 2.47  | 0.300    | 30             | 0.450    | Flashlight Prefocus | MS15610-1                 |
| PR3        | B3½       | SC min Flange       | K      | 3.57  | 0.500    | 15             | 1.500    | Flashlight Prefocus | MS15610-2                 |
| PR7        | B3½       | SC min Flange       | K      | 3.70  | 0.300    | 30             | 0.900    | Flashlight Prefocus |                           |
| PR13       | B3½       | SC min Flange       | K      | 4.75  | 0.500    | 15             | 2.200    | Flashlight Prefocus |                           |
| PR18       | B3½       | SC min Flange       | K      | 7.20  | 0.550    | 20             | 5.500    | Flashlight Prefocus |                           |
| 27         | G4½       | Miniature Screw     | L      | 4.90  | 0.30     | 30             | 1.400    |                     |                           |
| 50         | G3½       | Miniature Screw     | L      | 7.50  | 0.220    | 1000           | 1.000    |                     |                           |
| 51         | G3½       | Miniature Bayonet   | M      | 7.50  | 0.220    | 1000           | 1.000    |                     | MS15573-1                 |
| 363        | G3½       | Min Bayonet         | M      | 14.00 | 0.200    | 250            | 2.000    |                     |                           |
| 67         | G6        | SC Bayonet          | M      | 13.50 | 0.590    | 5000           | 4.000    |                     | MS15570-67                |
| 1251       | G6        | Bayonet             | M      | 28.00 | 0.230    | 2000           | 3.000    |                     | MS15570-1251              |
| 303        | G6        | SC Bayonet          | M      | 28.00 | 0.300    | 500            | 6.000    |                     | MS6363/11-2 (MS15570-303) |
| 623        | G6        | SC Bayonet          | M      | 28.00 | 0.370    | 1000           | 6.000    |                     | MS15570-623               |
| 1385       | R12       | SC Bayonet          | N      | 28.00 | 0.710    | 300            | -        | Frosted Env.        | MS35480-2                 |
| 1680       | S8        | SC Bayonet          | O      | 6.00  | 4.100    | 300            | 32.000   |                     |                           |
| 1680X      | S8        | SC Bayonet          | O      | 6.00  | 4.100    | 300            | 32.000   | Nickel Contact      |                           |
| 1619       | S8        | SC Bayonet          | O      | 6.70  | 1.900    | 500            | 15.000   |                     |                           |
| 93         | S8        | SC Bayonet          | O      | 12.80 | 1.040    | 500            | 15.000   |                     | MS35478-93                |
| 1141       | S8        | SC Bayonet          | O      | 12.80 | 1.440    | 500            | 21.000   |                     | M6363/12-3 (MS35478-1141) |
| 305        | S8        | SC Bayonet          | O      | 28.00 | 0.510    | 300            | 15.000   |                     | M6363/12-5 (MS35478-305)  |
| 305IF      | S8        | SC Bayonet          | O      | 28.00 | 0.510    | 300            | 15.000   | Internally Frosted  |                           |
| 305SB      | S8        | SC Bayonet          | O      | 28.00 | 0.510    | 300            | 15.000   | Silver Bonnet       |                           |
| 307        | S8        | SC Bayonet          | O      | 28.00 | 0.660    | 300            | 21.000   |                     | M6363/12-4 (MS35478-305)  |
| 307R       | S8        | SC Bayonet          | O      | 28.00 | 0.660    | 300            | 21.000   | Painted Red         | MS35478-307R              |
| 2232       | S8        | SC Bayonet          | O      | 28.00 | 0.643    | 2000           | 18.000   |                     | M6363/12-7 (MS35478-2232) |
| 2232SB     | S8        | SC Bayonet          | O      | 28.00 | 0.643    | 2000           | 18.000   | Silver Bonnet       |                           |
| 2233       | S8        | SC Bayonet          | O      | 28.00 | 0.770    | 2000           | 21.000   |                     | M6363/12-8 (MS35478-2233) |
| 1691       | S8        | SC Bayonet          | O      | 28.00 | 0.610    | 1000           | 15.000   | Double Filament     | M6363/12-6 (MS35478-1691) |
| 1683       | S8        | SC Bayonet          | O      | 28.00 | 1.020    | 500            | 32.000   | Double Filament     | M6363/12-2 (MS35478-1683) |
| 1665       | S8        | SC Bayonet          | O      | 28.00 | 0.800    | 1000           | 21.000   |                     |                           |
| 1665IF     | S8        | SC Bayonet          | O      | 28.00 | 0.800    | 1000           | 21.000   |                     |                           |
| 94         | S8        | DC Bayone           | P      | 12.80 | 1.040    | 500            | 15.000   |                     | MS15584-2                 |
| 1142       | SB        | DC Bayonet          | P      | 12.80 | 1.440    | 500            | 21.000   |                     | MS15584-4                 |
| 308        | SB        | DC Bayonet          | P      | 28.00 | 0.670    | 300            | 21.000   |                     |                           |
| 3011       | S11       | SC Bayonet          | Q      | 28.00 | 1.290    | 1000           | 44.000   |                     |                           |
| 309        | S11       | SC Bayonet          | Q      | 28.00 | 0.900    | 300            | 32.000   |                     |                           |
| 336        | T1¾       | Midget Groove       | R      | 14.00 | 0.080    | 1500           | 0.500    |                     |                           |
| 388        | T1¾       | Midget Groove       | R      | 28.00 | 0.040    | 10000          | 0.300    |                     |                           |
| 334        | T1¾       | Midget Groove       | R      | 28.00 | 0.040    | 4000           | 0.340    |                     |                           |
| 335        | T1¾       | Midget Screw        | S      | 28.00 | 0.040    | 4000           | 0.340    |                     |                           |
| 7683       | T1        | Bi-Pin              | T      | 5.00  | 0.060    | 40000          | 0.050    |                     |                           |
| 7265       | T1        | Bi-Pin              | T      | 5.00  | 0.060    | 5000           | 0.150    |                     |                           |
| 7715       | T1        | Bi-Pin              | T      | 5.00  | 0.115    | 40000          | 0.1500   |                     |                           |
| 7715AS15   | T1        | Bi-Pin              | T      | 5.00  | 0.115    | 40000          | 0.150    | Aged & Selected     |                           |
|            |           |                     |        |       |          |                | (±.023)  |                     |                           |
| 8-2400     | T1        | Bi-Pin              | T      | 5.00  | 0.115    | 40000          | 0.150    |                     |                           |
| 3071BPEGPL | T1        | Bi-Pin              | T      | 5.00  | 0.060    | 5000           | 0.150    | Gold Plated Leads   |                           |

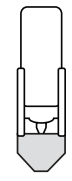




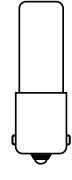
# Incandescent Lamps



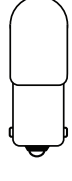
T



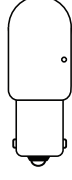
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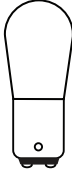
V



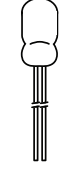
W



X



Y

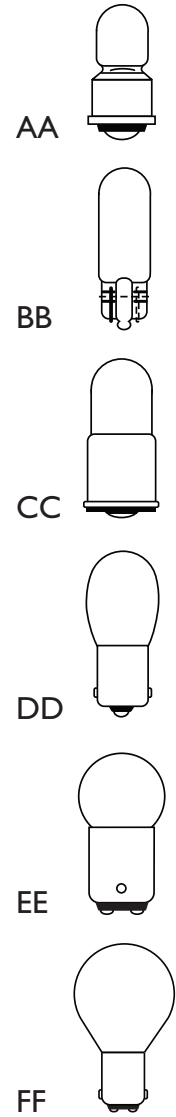


Z

| Part No.   | Lamp type | Description of base | Figure | Volts  | Amp ±10% | AV Life (Hrs) | MSCP NOM | Special Features      | Military Reference          |
|------------|-----------|---------------------|--------|--------|----------|---------------|----------|-----------------------|-----------------------------|
| 3229BPE    | T1        | Bi-Pin              | T      | 14.00  | 0.040    | 16000         | 0.150    |                       |                             |
| 7839       | T1        | Bi-Pin              | T      | 28.00  | 0.024    | 16000         | 0.150    |                       |                             |
| 7632       | T1        | Bi-Pin              | T      | 28.00  | 0.040    | 1000          | 0.320    |                       |                             |
| 6839BPE    | T1        | Bi-Pin              | T      | 28.00  | 0.024    | 16000         | 0.130    |                       |                             |
| 8-2402     | T1        | Bi-Pin              | T      | 28.00  | 0.024    | 4000          | 0.150    |                       |                             |
| 6839BPEGPL | T1        | Bi-Pin              | T      | 28.00  | 0.024    | 16000         | 0.150    | Gold Plated Leads     |                             |
| 4009BPE    | T1½       | Bi-Pin              | T      | 28.00  | 0.040    | 7000          | 0.300    |                       |                             |
| 4009BPEGPL | T1½       | Bi-Pin              | T      | 28.00  | 0.040    | 7000          | 0.300    | Gold Plated Leads     |                             |
| 7328       | T1½       | Bi-Pin              | T      | 6.00   | 0.200    | 1000          | 0.600    |                       |                             |
| 7367       | T1½       | Bi-Pin Std. (.125)  | T      | 10.00  | 0.400    | 5000          | 0.800    |                       |                             |
| 7371       | T1½       | Bi-Pin              | T      | 12.00  | 0.040    | 10000         | 0.120    |                       |                             |
| 7382       | T1½       | Bi-Pin              | T      | 14.00  | 0.080    | 15000         | 0.300    |                       |                             |
| 7387       | T1½       | Bi-Pin              | T      | 28.00  | 0.040    | 10000         | 0.300    |                       |                             |
| 28ESB      | T2        | Slide Base          | U      | 28.00  | 0.040    | 6000          | 0.250    |                       |                             |
| 48ESB      | T2        | Slide Base          | U      | 48.00  | 0.400    | 5000          | 0.440    |                       |                             |
| 120PSB     | T2        | Slide Base          | U      | 120.00 | 0.025    | 5000          | 0.360    |                       |                             |
| 120MB      | T2        | Min Bayonet         | V      | 120.00 | 0.025    | 5000          | 0.360    |                       |                             |
| 43         | T3¼       | Min Bayonet         | W      | 2.50   | 0.500    | 3000          | 0.500    |                       |                             |
| 47         | T3¼       | Min Bayonet         | W      | 6.30   | 0.150    | 3000          | 0.520    |                       | MS15571-2                   |
| 44         | T3¼       | Min Bayonet         | W      | 6.30   | 0.250    | 3000          | 0.900    |                       | MS15571-1                   |
| 1816       | T3¼       | Min Bayonet         | W      | 13.00  | 0.330    | 1000          | 3.000    |                       |                             |
| 1815       | T3¼       | Min Bayonet         | W      | 14.00  | 0.200    | 3000          | 1.400    |                       | MS15571-8                   |
| 756        | T3¼       | Miniature Bayonet   | W      | 14.00  | 0.800    | 15000         | 0.310    |                       |                             |
| 1813       | T3¼       | Miniature Bayonet   | W      | 14.40  | 0.100    | 1000          | 0.860    |                       |                             |
| 1818       | T3¼       | Min Bayonet         | W      | 24.00  | 0.170    | 250           | 3.300    |                       |                             |
| 1829       | T3¼       | Min Bayonet         | W      | 28.00  | 0.070    | 1000          | 1.000    |                       | M6363/9-4 (MS25231-1829)    |
| 757        | T3¼       | Min Bayonet         | W      | 28.00  | 0.080    | 7500          | 0.620    |                       |                             |
| 1820       | T3¼       | Min Bayonet         | W      | 28.00  | 0.100    | 1000          | 1.60     |                       |                             |
| 1864       | T3¼       | Min Bayonet         | W      | 28.00  | 0.170    | 1500          | 3.000    |                       |                             |
| 313        | T3¼       | Min Bayonet         | W      | 28.00  | 0.170    | 500           | 3.500    |                       | M6363/9-2 (MS25231-313)     |
| 313R       | T3¼       | Min Bayonet         | W      | 28.00  | 0.170    | 500           | 3.500    | Painted Red           | M6363/9-2R (MS25231-313R)   |
| 1819       | T3¼       | Miniature Bayonet   | W      | 28.00  | 0.400    | 3000          | 0.340    |                       | M6363/9-3 (MS25231-1819)    |
| 1835       | T3¼       | Miniature Bayonet   | W      | 55.00  | 0.500    | 5000          | 1.100    |                       |                             |
| 1495       | T4½       | SC Bayonet          | X      | 28.00  | 0.300    | 500           | 6.000    |                       | M56363/14-1 (MS25069-1495)  |
| 1495X      | T4½       | SC Bayonet          | X      | 28.00  | 0.300    | 500           | 6.000    | Gas Filled            |                             |
| 656DC/120V | S6        | DC Bayonet          | Y      | 120.00 | 0.050    | 1500          | 3.200    |                       | MS15567-1                   |
| 1692       | S-8       | DC Bayonet          | Y      | 28.00  | 0.610    | 1000          | 15.000   |                       |                             |
| 713        | T1        | Std. Wire Term      | Z      | 5.00   | 0.075    | 25000         | 0.090    |                       | MS24367-713                 |
| 6832       | T1        | Wire Terminal       | Z      | 5.00   | 0.060    | 40000         | 0.050    |                       |                             |
| 6832AS15   | T1        | Wire Terminal       | Z      | 5.00   | 0.060    | 40000         | 0.050    | Aged & Selected ±.008 | M6363/5-7 (MS90451-6832)    |
| 7132AS15   | T1        | Wire Terminal       | Z      | 5.00   | 0.075    | 3000          | 0.090    | Aged & Selected ±.014 | M6363/5-8 (MS90451-7132)    |
| 7152       | T1        | Wire Terminal       | Z      | 5.00   | 0.115    | 40000         | 0.15     |                       | M6363/5-9 (MS90451-7152)    |
| 7152AS15   | T1        | Wire Terminal       | Z      | 5.00   | 0.115    | 40000         | 0.150    | Aged & Selected ±.023 |                             |
| 680        | T1        | Wire Terminal       | Z      | 5.00   | 0.060    | 60000         | 0.030    |                       | MS24367-680                 |
| 683        | T1        | Wire Terminal       | Z      | 5.00   | 0.060    | 40000         | 0.050    |                       | MS24367-683                 |
| 683AS15    | T1        | Wire Terminal       | Z      | 5.00   | 0.060    | 40000         | 0.050    | Aged & Selected ±.008 | M6363/5-2 (MS24367-683AS15) |
| 715        | T1        | Wire Terminal       | Z      | 5.00   | 0.115    | 40000         | 0.150    |                       | MS24367-715                 |
| 715AS15    | T1        | Wire Terminal       | Z      | 5.00   | 0.115    | 40000         | 0.150    | Aged & Selected ±.023 | M6363/5-4 (MS24367-15AS15)  |
| 7219       | T1        | Wire Terminal       | Z      | 12.00  | 0.060    | 16000         | 0.150    |                       |                             |
| 6838       | T1        | Wire Terminal       | Z      | 28.00  | 0.024    | 16000         | 0.030    |                       |                             |
| 8666       | T1½       | Wire Terminal       | Z      | 5.00   | 0.080    | 15000         | 0.150    |                       |                             |



| Part No. | Lamp type | Description of base | Figure | Volts | Amp ±10% | AV Life (Hrs) | MSCP NOM      | Special Features | Military Reference         |
|----------|-----------|---------------------|--------|-------|----------|---------------|---------------|------------------|----------------------------|
| 1764     | T1½       | Wire Terminal       | Z      | 28.00 | 0.040    | 4000          | 0.340         |                  |                            |
| 3071     | T1        | sub midget flange   | AA     | 5.00  | 0.060    | 5000          | 0.150         |                  |                            |
| 682      | T1        | Midget Flange       | AA     | 5.00  | 0.060    | 60000         | 0.050         |                  | M6363/6-1 (MS24515-682)    |
| 685      | T1        | Midget Flange       | AA     | 5.00  | 0.060    | 40000         | 0.050         |                  | M6363/6-2 (MS24515-685)    |
| 685AS15  | T1        | Midget Flange       | AA     | 5.00  | 0.060    | 40000         | 0.050 ±.008   | Aged & Selected  | MS24515-685AS15            |
| 6180     | T1        | Midget Flange       | AA     | 5.00  | 0.060    | 5000          | 0.150         |                  |                            |
| 718      | T1        | Midget Flange       | AA     | 5.00  | 0.115    | 40000         | 0.150         |                  | M6363/6-4 (MS24515-718)    |
| 718AS15  | T1        | Midget Flange       | AA     | 5.00  | 0.115    | 40000         | 0.150 ±.023   | Aged & Selected  | MS24515-718AS15            |
| 6839     | T1        | Midget Flange       | AA     | 28.00 | 0.024    | 16000         | 0.130         | Cross Ref:MS3338 | M6363/6-5 (MS3336-6839)    |
| 6839AS15 | T1        | Midget Flange       | AA     | 28.00 | 0.024    | 16000         | 0.130         |                  | M6363/6-5                  |
| 7333     | T1½       | Midget Flange       | AA     | 5.00  | 0.060    | 25000         | 0.050         |                  |                            |
| 376      | T1½       | Midget Flange       | AA     | 28.00 | 0.600    | 25000         | 0.340         |                  |                            |
| 6034     | T1½       | Midget Flange       | AA     | 28.00 | 0.024    | 4000          | 0.150         |                  |                            |
| 729      | T1½       | Midget Flange       | AA     | 28.00 | 0.080    | 2000          | 0.800         |                  |                            |
| 727      | T1½       | Midget Flange       | AA     | 28.00 | 0.040    | 4000          | 0.360         |                  |                            |
| 84       | T1½       | Wedge               | BB     | 6.30  | 0.040    | 20000         | 0.020         |                  |                            |
| 85       | T1½       | Wedge               | BB     | 28.00 | 0.040    | 10000         | 0.300         |                  |                            |
| 338      | T1½       | Midget Flange       | CC     | 2.70  | 0.060    | 6000          | 0.040         |                  | MS6363/8-2 (MS25237-338)   |
| 7335     | T1½       | Midget Flange       | CC     | 5.00  | 0.115    | 40000         | 0.150         |                  |                            |
| 345      | T1½       | Midget Flange       | CC     | 6.00  | 0.040    | 10000         | 0.030         |                  |                            |
| 328      | T1½       | Midget Flange       | CC     | 6.00  | 0.200    | 1000          | 0.600         |                  | M6363/8-4 (MS25237-328)    |
| 328AS15  | T1½       | Midget Flange       | CC     | 6.00  | 0.200    | 1000          | 0.600 ±.090   | Aged & Selected  | MS25237-328-15             |
| 380      | T1½       | Midget Flange       | CC     | 6.30  | 0.040    | 20000         | 0.020         |                  |                            |
| 394      | T1½       | Midget Flange       | CC     | 12.00 | 0.040    | 10000         | 0.120         |                  |                            |
| 382      | T1½       | Midget Flange       | CC     | 14.00 | 0.080    | 15000         | 0.300         |                  |                            |
| 330      | T1½       | Midget Flange       | CC     | 14.00 | 0.080    | 1500          | 0.500         |                  | MS25237-330                |
| 382AS10  | T1½       | Midget Flange       | CC     | 14.00 | 0.080    | 15000         | 0.300         |                  |                            |
| 385      | T1½       | Midget Flange       | CC     | 28.00 | 0.040    | 50000         | 0.150         |                  |                            |
| 387      | T1½       | Midget Flange       | CC     | 28.00 | 0.040    | 10000         | 0.300         |                  | M6363/8-9 (MS25237-387)    |
| 327      | T1½       | Midget Flange       | CC     | 28.00 | 0.040    | 4000          | 0.340         |                  | MS25237-327                |
| 327AS15  | T1½       | Midget Flange       | CC     | 28.00 | 0.040    | 4000          | 0.340 (±.051) | Aged & Selected  | M6363/8-7 (MS25237-327-15) |
| 737AS15  | T1½       | Midget Flange       | CC     | 28.00 | 0.050    | 16000         | 0.300         | Aged & Selected  |                            |
| 376AS15  | T1½       | Midget Flange       | CC     | 28.00 | 0.060    | 25000         | 0.340 (±.051) | Aged & Selected  |                            |
| 737      | T1½       | Midget Flange       | CC     | 28.00 | 0.050    | 16000         | 0.300         |                  |                            |
| 327R     | T1½       | Midget Flange       | CC     | 28.00 | 0.040    | 4000          | 0.340         | Painted Red      | MS25237-327R               |
| 1317     | B6        | SC Bayonet          | DD     | 6.00  | 0.450    | 100           | 3.400         |                  |                            |
| 1308     | B6        | SC Bayonet          | DD     | 28.00 | 0.560    | 2000          | 16.000        |                  |                            |
| 1309     | B6        | SC Bayonet          | DD     | 28.00 | 0.520    | 300           | 15.000        |                  |                            |
| 1309IF   | B6        | SC Bayonet          | DD     | 28.00 | 0.520    | 300           | 15.000        | Frosted Env.     |                            |
| 1591     | S8        | SC Bayonet          | DD     | 28.00 | 0.610    | 1000          | 15.000        |                  |                            |
| 304      | G6        | DC Bayonet          | EE     | 28.00 | 0.300    | 500           | 6.000         |                  |                            |
| 1252     | G6        | DC Bayonet          | EE     | 28.00 | 0.230    | 2000          | 3.000         |                  |                            |
| 310      | S11       | DC Bayonet          | FF     | 28.00 | 0.900    | 300           | 32.000        |                  |                            |





CML Innovative Technologies Ltd  
Beetons Way  
Bury St Edmunds  
Suffolk  
UK  
IP32 6RA

Tel: +44 (0) 1284 714700  
Fax: +44 (0) 1284 724850  
e.mail: [europa@cml-it.com](mailto:europa@cml-it.com)

[www.cml-it.com](http://www.cml-it.com)

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