

MODEL 10 CIRCULAR

The Model 10's configuration provides 360° of bright, uniform, shadow-free, and glare-free illumination for those applications, such as assembly, inspection, imaging, microscopy, and machine vision. The illumination minimizes eye fatigue in those applications that require intricate differentiation of colors and details for prolonged periods of time. The polycarbonate plastic housing stays cool to the touch and does not radiate heat, which may otherwise affect the illumination. Each unit is supplied with an adapter to fit virtually any microscope or camera and powered by a high frequency (25 kHz) driver, which provides a flicker-free illumination. Mounting brackets are available to adapt the unit to a selection of custom applications. The model comes standard with a deluxe daylight (5100K) bulb, which the users can expect over 7,000 hours of lamp life with uniform and shadow-free illumination. Other lamp options are available for this unit, including black light blue (UV) and other wavelength specific colors. In addition, polarized filters can also be used to minimize reflections for those applications that require an illumination of reflective material. ESD safe models are also available.



To figure out the Part Number of the Model 10 [Click here](#).

Features

- High frequency (25 kHz), flicker-free illumination
- Uniform, glare/shadow-free illumination
- Over 7000 hours of lamp life
- Compact lightweight housing
- Custom configurations available
- ESD safe models available

[Click Here for Model Drawing](#)



800-594-2121 · www.ksetexas.com

Replacement Bulbs

| | |
|----------|------------------------------|
| 973-510* | Deluxe Daylight, 5100K |
| 973-550* | White HC, 5500K |
| 973-320* | Warm White, 3200K |
| 973-420* | Cool White, 4200K |
| 973-365* | Black Light Blue (UV), 365nm |
| 973-450 | Blue, 450nm |
| 973-544 | Green, 544nm |
| 973-585 | Yellow, 585nm |
| 973-658 | Red, 658nm |

* Add E to the end of number for ESD safe material

MODEL 10 CIRCULAR

| Specifications | |
|----------------------|-----------------------------|
| Housing Range: | 0% to 80%; non-condensing |
| Input Power: | 14 watts |
| Lamp Output Power: | 13 watts |
| Operating Frequency: | 25 kHz |
| Input Frequency: | 50Hz/60Hz |
| Operating Temp: | 0°C to 40°C (32°F to 104°F) |

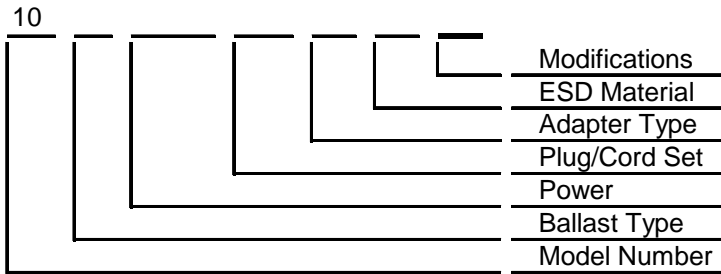
| ESD Safe Properties | |
|---------------------|----------------------|
| Part | Surface Resistivity |
| Lamp Fixture | 10 ⁶ ohms |
| Fixture Cabling | 10 ⁹ ohms |
| Lamp | 10 ⁹ ohms |

Model 10 Accessories

| Part Number | Description |
|-------------|---|
| 97312309 | Polarizer Kit, 1.25" max ID |
| 97311009 | Polarizer Kit, 1.89" max ID |
| 97320609 | Polarizer Kit, 2.65" max ID |
| 97321109 | Polarizer Kit, 2.14" max ID |
| 31750030 | Diffuser Cover |
| 31750031 | Clear Chip Shield |
| 30749302 | Darkfield Kit |
| 11200029 | Ballast, plug-in K, 110VAC |
| 11300703 | Ballast, in-line, 220VAC |
| 30967010 | Top Mount Bracket |
| 30967011 | Side Mount Bracket |
| 31125001 | Grommet, Series 1 |
| 31125002 | Grommet, Series 2 |
| 50095125 | #6-32 x ¼" SHSS (Universal adapters) |
| 30749--- | Adapters, CFMI (see chart below for last three numbers) |



MODEL 10 PART NUMBER MATRIX



| | | | | |
|---|---|----------------------------|------|-----------------------------------|
| Model Number: | 10 | Model 10 | | |
| Voltage: | 1 | 120VAC, 60Hz | 2 | 220VAC, 50/60Hz (CE Marked) |
| Plug Type: | B | Euro/Shuko* | I | Italy* |
| | C | Australia* | K | North America (Plug-in Ballast)** |
| | D | United Kingdom* | K | North America (In-Line Ballast)* |
| | E | Denmark* | L | Switzerland* |
| | F | France/Belgium* | R | Russia |
| | G | India* | S | Special (NEMA 6-20P) |
| | H | Israel* | X | No Plug (In-Line Style Only) |
| | Z | North America (NEMA 6-15P) | | |
| **Only plug type "K" is a plug-in style ballast, all other plug types are in-line ballast | | | | |
| Adapter #: | #101 | 101 | #122 | 122 |
| | #102 | 102 | #123 | 123 |
| | #103 | 103 | #125 | #102 w/ 3" length |
| | #104 | 104 | #127 | #101 w/ 3" length |
| | #105 | 105 | #128 | #103 w/ 3" length |
| | #107 | 107 | #206 | 206 |
| | #108 | 108 | #208 | 208 |
| | #109 | 109 | #211 | 211 |
| | #110 | 110 | #212 | 212 |
| | #111 | 111 | #213 | 213 |
| | #118 | 118 | #214 | 214 |
| | #120 | 120 | #216 | 216 |
| | | | #217 | 217 |
| | | | | #218 |
| | | | | 218 |
| | | | | #219 |
| | | | | 219 |
| | | | | #221 |
| | | | | 221 |
| | | | | #224 |
| | | | | 224 |
| | | | | #229 |
| | | | | 206 w/3" L |
| | | | | #230 |
| | | | | 208 w/3" L |
| | | | | #231 |
| | | | | 231 |
| | | | | #232 |
| | | | | 232 |
| | | | | #233 |
| | | | | 213 w/3" L |
| | | | | #234 |
| | | | | 234 |
| | | | | #236 |
| | | | | 236 |
| | | | | #237 |
| | | | | 237 |
| | | | | #238 |
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| | | | | #239 |
| | | | | 239 |
| | | | | #240 |
| | | | | 240 |
| | #100 | SM NO Adapter/Grommet | #115 | SM Grommet |
| | #200 | LG NO Adapter/Grommet | #215 | LG Grommet |
| * Adapter is threaded on both ends | | | | |
| Note: all adapters are available w/ ESD coating | | | | |
| Lamp Type: | 32 | Warm White, 3200K | BL | Blue, 450nm |
| | 42 | Cool White, 4200K | GN | Green, 544nm |
| | 51 | White, 5100K | YL | Yellow, 585nm |
| | 55 | White, 5500K | RD | Red, 658nm |
| | BB | Black Light Blue, 365nm | | |
| Note: All White lamps are available w/ ESD coating | | | | |
| Modifications: | t.b.d. (Consult KSE-Texas for available options or customization) | | | |

ESD Material (Standard leave blank)
E1 for ESD



Microscope Adapter Cross Reference

| | | |
|---|---|---|
| #211 Aus Jena - Citival 2 Stereoscope OBS 330 | #206 Leica MZ8 | #110 Olympus SY3 |
| #211 Clearview | #206 Leica MZ12.5 | #211 Olympus SY4 |
| #221 Denerica | #240 Leica S4E, S6E (male thrd, 1") | #103 Olympus SZ |
| #232 DVT | #206 Leica S4E | #236 Olympus SZ, (male/female thrd, 103 comparable) |
| #224 Fisher Stereomaster II | #118 Lecia SZ4 | #206 Olympus SZX, SZH |
| #208 Fisher Sterezoom | #212 Meiji EMF, EMT 1, EMT 2 | #208 Olympus VM |
| #108 Leica GZ4 (Male/female thread - 101 comparable) | #218 Meiji EMT 3 | #110 Optem Zoom 65 Systems |
| #206 Leica GZ6 | #219 Meiji EMX | #217 Parco, Meiji EMZ5 |
| #231 Leica GZ6 (threaded version w/no objective) | #213 Meiji EMZ | #206 Prior |
| #104 Lecia (Bausch & Lomb) Academic Stereo | #212 Mitutoyo 377, Scope #12 | #110 Science Scope |
| #101 Lecia (Bausch & Lomb) Stereo Zoom 1,2,3,4,5, STZ | #123 Mitutoyo TM510 2x Mag | #107 StockerYale Tool Analyzer |
| #118 Lecia (Bausch & Lomb) #6 | #213 Mitutoyo Stereo | #109 Swift |
| #105 Lecia (Bausch & Lomb) #7 | #102 Nikon SM5, SMZ2, SMZ6, SM6 | #211 Unitron ZSB, ZST, FSB |
| #110 Lecia (American Optical) Cycloptic | #103 Nikon SMZ1, SMZ2B, SMZT2 | #213 Unitron ZSM |
| #103 Lecia (American Optical) Stereo Star, male thrd 1" | #211 Nikon SMZ10 | #206 Unitron (Motic) |
| #128 Lecia (American Optical) Stereo Star, male thrd 3" | #211 Nikon SMZ10 | #206 Wild MSA, M3, M7, M8, MZ8, MZAPO |
| #110 Lecia Monozoom 7 | #206 Nikon SMZ-U, 10A, 660, 645, 880 | #206 Zeiss |
| | #237 Nikon SMZ660, SMZ645, male thrd, 1" long | |
| | #238 Nikon SMZ660, SMZ645, male thrd 3" long | |
| | #239 Nikon SMZ800, male thrd, 1" long | |
| | #211 Nissho or Bristol | |
| | #213 Nova Stereo | |

