

MODEL 13PLUS CIRCULAR



The Model 13*plus* provides all applications a bright white, flicker-free illumination to those applications that include inspection imaging, closed circuit TV, microscopy, and machine vision. The polycarbonate plastic housing stays cool to the touch and does not radiate heat, which may otherwise affect the sample. Each unit is supplied with an adapter to fit virtually any microscope or camera. 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, which include green, blue, red and yellow. In addition, polarized filters can also be used to minimize reflections for those applications that require an illumination of reflective material and ESD safe models are also available. Powered by a high frequency (85 kHz) driver and has a dimming range of 10% to 100%.

To figure out the Part Number of the Model 13*plus* [Click here](#).

Features

- Uniform, shadow-free illumination
- Variable driver: 10% to 100%
- Dramatic energy savings over traditional lighting solutions
- Over 7000 hours of lamp life
- High frequency (85 kHz), flicker-free illumination
- Compact, lightweight housing
- Custom configurations available
- ESD safe properties include: Cable, Lamp assembly & Lamp

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

* ESD safe material available.
Add E at end of number

[Click Here for Model Drawing](#)



MODEL 13PLUS CIRCULAR

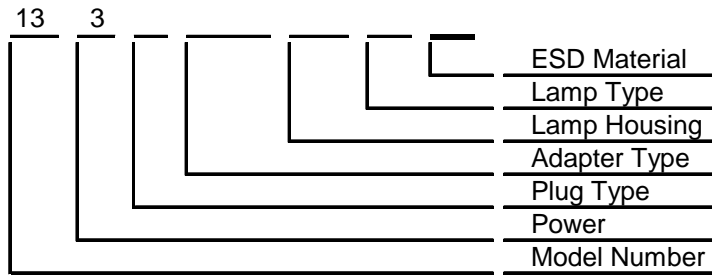
Specifications	
Housing Range:	0% to 80%; non-condensing
Input Power:	30 watts (max)
Lamp Output Power:	13 watts
Operating Frequency:	85 kHz
Output Voltage:	15VDC (max) @ 1.9A
Input Frequency:	50Hz/60Hz
Operating Temp:	0°C to 40°C (32°F to 104°F)

Model 13plus 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
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 13PLUS STEADY-LITE PART NUMBER MATRIX



Model Number:	13	Model 13plus circular		
Power:	3	Universal w/ variable intensity (90VAC - 254VAC; 50/60Hz)		
Plug Type:	B	Euro/Shuko*	I	Italy*
	C	Australia*	M	North America /Japan
	D	United Kingdom*	L	Switzerland*
	E	Denmark*	R	Russia
	F	France/Belgium*	S	Special (NEMA 6-20P)
	G	India*	X	No Plug
	H	Israel*	Z	North America (NEMA 6-15P)*
* The B-plug and D-plug are supplied as in-line ballasts				
Lamp Housing Size:	C01	Series 1 Adapters; ø2.00" (50.8mm)		
	C02	Series 2 Adapters; ø2.31" (58.7mm)		
Adapter #:	See chart below for microscope adapter cross-reference			
	#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			238
	#239			239
	#240			240
	#100	SM <u>NO</u> Adapter/Grommet	#115	SM Grommet
	#200	LG <u>NO</u> Adapter/Grommet	#215	LG Grommet
* Adapter is threaded on both ends				
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		

ESD Material (Standard leave blank)
E for ESD

Note: All Adapters & all White lamps
are available w/ ESD coating



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	

Universal Adapter*

#110	fits \varnothing 1.82" (46.2mm) max
#120	fits \varnothing 1.89" (48.0+mm) max
#123	fits \varnothing 1.25" (31.8mm) max
#211	fits \varnothing 2.11" (54.3mm) max
#206	fits \varnothing 2.65" (67.3mm) max

* Universal adapters are supplied w/ 3 adjustable setscrews

