

MODEL 18 CIRCULAR



The Model 18 is a dual circular fluorescent light for the laboratory and industrial grade systems that uses two independently controlled circular lamps to provide a uniform, shadow-free illumination. The unit provides 360° of high output for a wide range of application needs, including inspection, microscopy, industrial imaging and machine vision.

The housing incorporates a durable, a durable, lightweight, and deep drawn aluminum housing that is designed to withstand the most industrial environments. Each fluorescent is supplied with an adaptor to fit virtually any microscope or camera. 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. Operates at a high frequency (25 kHz), thus providing a flicker-free illumination from both the 3" (76.2mm) and 6" (152.4mm) diameter lamp. Each of the lamps can be controlled by its own power switch, which allows the user to control the output intensity or field of illumination.

To figure out the Part Number of the Model 18 [Click here](#).

For the dimensions of the Model 18 [Click here](#).

Features

- Uniform, shadow less illumination
- Superior light output and color rendition
- Over 7000 hours of lamp life
- High frequency (25 kHz), flicker-free illumination
- Custom configurations available



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Replacement Bulbs		
Inner Bulb #	Outer Bulb #	
973-510	976-510	Deluxe Daylight, 5100K
973-550		White HC, 5500K
973-320	976-320	Warm White, 3200K
973-420	976-420	Cool White, 4200K
973-365	976-365	Black Light Blue (UV), 365nm
973-450	976-450	Blue, 450nm
973-544	976-544	Green, 544nm
973-585	976-585	Yellow, 585nm
973-658	976-658	Red, 658nm

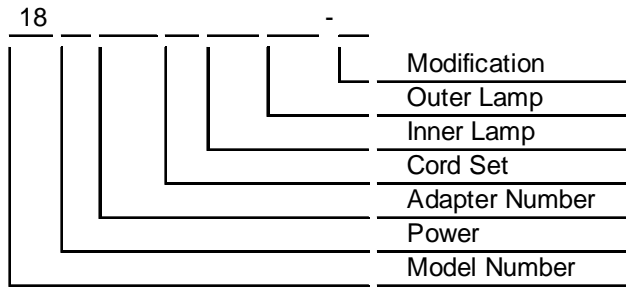
Specifications	
Housing Range:	0% to 80%; non-condensing
Input Power:	30 watts
Lamp Output Power Inner:	13 watts
Lamp Output Power Outer:	18 watts
Operating Frequency:	25 kHz
Input Frequency:	50Hz/60Hz
Operating Temp:	0°C to 40°C (32°F to 104°F)

Model 18 Accessories

Part Number	Description
97312318	Polarizer Kit, 1.25" max ID
97311018	Polarizer Kit, 1.89" max ID
97320618	Polarizer Kit, 2.65" max ID
97321118	Polarizer Kit, 2.14" max ID
31750018	Diffuser Cover
31750018	Clear Chip Shield
12001800	Replacement Ballast, 110VAC
12001801	Replacement Ballast, 220VAC
30749---	Adapters, CFMI (see adapter # for last three numbers)



MODEL 18 PART NUMBER MATRIX



Model Number:	18	Model 18 Superlight	
Power:	1	115VAC; 50/60 HZ (Dual 25kHz In-Line Ballast)	
(Input Voltage)	2	220VAC; 50/60 HZ (Dual 25kHz In-Line Ballast)	
Adapter Number	#100	Series 1 Housing w/ no adapter, 2.00" (50.8mm)	
	#110	Fits 1.82" (46.2mm) max	
	#120	Fits 1.89" (48.0mm) max	
	#115	1.75" (44.5mm) small grommet	
	#123	Fits 1.25" (31.8mm) max	
	#200	Series 2 Housing w/ no adapter, 2.31" (58.7mm)	
	#206	Fits 2.65" (67.3mm) max	
	#211	Fits 2.11" (54.3mm) max	
	#215	2.06" (52.3mm); Large Grommet	
	#400	Series 4 Housing w/ no adapter, 4.00" (101.6mm)	
		(Note: 4" BORE HOUSING HAS AN OUTER LAMP ONLY)	
Plug/Cord Sets:*	B	Euro/Shuko	K North America
	C	Australia	K North America Plug-in Ballast
* Model 18 is supplied w/ an 8ft (2.13m) IEC Cordset	D	United Kingdom	L Switzerland
	E	Denmark	R Russia
	F	France/Belgium	S Special (Nema 6-20P)
	G	India	X No Plug (In-Line Style Only)
	H	Israel	Z North America (Nema 6-15P)
	I	Italy	
Inner Lamp: (973-###)	32	White 3200K	BL Blues, 450nm
	42	White 4200K	GN Green, 544nm
	51	White 5100K	YL Yellow, 585nm
	55	White 5500K	RD Red, 658nm
	BB	Black Light Blue, 365nm	
Outer Lamp: (976-###)	32	White 3200K	BL Blues, 450nm
	42	White 4200K	GN Green, 544nm
	51	White 5100K	YL Yellow, 585nm
	BB	Black Light Blue, 365nm	RD Red, 658nm

