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## ARCHITECTURAL COLOR CHANGERS

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CT 2000™

Architectural Long Throw Color Changing Spotlight



The CT 2000™ model YX-313A is a newly developed high power outdoor color changer with high capabilities to reach long distances where a very narrow variable beam projection is required. The CT 2000™ uses the Philips MSR-SA2000 bulb which is the latest and the best in very short arc technology. It is designed to highlight, illuminate and color sky scrapers, towers, monuments, industrial sites, tall buildings and structures, just to name a few of the possible applications. The CT 2000™ is a projector designed for outdoor use with high IP 54 rating. The CT 2000™ is designed, engineered and built to ensure superb performance and very high levels of reliability and durability.

CT 2000™ unique coloring capabilities open up a lot of creative opportunities limited only by one's imagination.

The only condition for CT 2000™ best chromatic performance is the projection onto preferably white or light colored walls. When in use its sequence of colors, which goes from pastel shades to bright colors, creates a chromatic atmosphere around the building and gives it an elegant or glamorous look.

The CT 2000™ enables the designer to paint a subtle pastel wash or to create a constellation of vivid colors. The greatest beauty of the CT 2000™ is the creative power it puts in your hand. CT 2000™ programmed color changing spotlighting to mark various holidays - red, white and blue for the fourth of July showing the colors of the American flag; red and green for Christmas; yellow, orange and white for Thanksgiving; different shades of green for St. Patrick's Day and various hues of pink for Valentine's Day - just to name a few - can surely create a positive reference of belonging and will invoke a warm feeling toward the lighted object and its surroundings.

Corporate identity can be dramatically enhanced by projecting the company's colors on its headquarters building. Entertainment and hospitality venues i.e. movie theaters, casinos, bowling centers and restaurants as well as retail establishments such as shopping malls and specialty stores can perfectly stand out in the highly crowded and extremely competitive scene of urban and

suburban buildings by using the CT 2000™ as an effective attention getter and visual reminder. It reminds the passerby that those buildings not only exist but have become a focal point landmark. The CT 2000™ is an important component in the branding process in that it enables the use of colors and motion to become a strong element of recognition of that particular site. By using the already stored programs (the use of a controller is not necessary), one can obtain shades of two or more colors by passing, quickly or slowly, through all the intermediate positions.

### TECHNICAL SPECIFICATIONS

Lamp	MSR 2000SA, 2000w, 155,000 lumens, 1000 hours average lamp life, 6000K color temperature, short Arc Single Ended; GY22 base; CRI>80; 86 lumens per watt; universal mounting; any burning position
Beam Angle	8-11 degrees, remotely motorized or manual; continuous variation between minimum and maximum
Color Mixing	Full CYM (using high grade dichroic filters) color mixing with high resolution stepper motors
Dimmer	Smooth mechanical dimmer 0-100%
Shutter	Smooth shuttering for blackout and flashing
Control Protocol	DMX 512 protocol
IP Rating	54
Power Supply	220-240V, 50 or 60 HZ, 11A, 2200W rated power
DMX Channels	Ch 1: Motor speed; Ch 2: Adjustable light/dimmer/shutter; Ch 3: COLOR 1; Ch 4: COLOR 2; Ch 5: COLOR 3; Ch 6: Beam Angle
Modes of Control	Stand alone, Master/Slave, Remote
Preset Programs	33 preset programs are already stored in the memory of the fixture which can therefore be used also without remote controller and in synch mode with Master/Slave setting
Cooling	The cooling system is controlled by a microprocessor and together with the control circuits and the thermal switch guarantee a perfect working temperature and very little maintenance
Connectors	XLR 3 PIN (MALE & FEMALE)
Motors	High resolution stepper for high quality performance
Maximum Throw Distance	up to 225 meters
Digital Display	Yes
Construction	Extruded Aluminum With sheet metal finished in black
Dimensions	80 (W) X 52 (D) X 75 (H) cm
Weight (net)	64 kgs

## CREATIVE IDEAS

Companies the world over are realizing the promotional benefits of exterior lighting. Architectural lighting helps create dreamlike atmosphere through an ever changing flow of light and color. Multiple fixtures may be linked together and synchronized for truly unique effects. Just imagine the possibilities. From the modern architect who creates designs and specifications for new and exciting buildings to a hotel concerned with drawing more attention to their building; from an amusement park specifying more interesting lighting for their attractions, to organizers concerned with adding that special touch to a special event - whether a company illuminates a subtle company logo or projects a total wash across the front of a building - outdoor color changing projectors will soon be everywhere. And with the quality of the CT 2000™ we lead the way.

Imagine a casino turning gold every time a lucky gambler hits the jackpot; arena lighting pulsating when the home team scores; an outdoor concert where the lighting fades in and out to the music; a company headquarters awashed in color for the arrival of an important client - architectural lighting applications are virtually endless.

Imagine houses of worship, federal, state, county and municipal buildings as well as historical buildings, landscapes and natural sites showered with ever changing light and colors making them special and the pride and joy of their communities. Imagine shopping malls, retail outlets, entertainment and leisure venues. Imagine even power stations, bridges and factories! Imagine all this and much more. Again the possibilities are limitless.

A store's evening image is most productive when illumination from within the building and outdoor lighting work in tandem to advertise its presence. A combination of facade illumination, signage, landscape lighting and in malls and shopping centers, parking lot lighting identify the store and its exterior environment. Clear messages can be sent to shoppers by controlling the relative brightness and color of these elements.

Adapting from our theatrical and entertainment lighting technology, designers and architects can develop customized illumination systems that boost a store's contemporary image and reinforce its retail concept. Major stores in shopping centers can use the night sky as a background for nighttime illumination. Programmed levels of colored light add to the store's personality and the consumers level of expectation. A central rotunda, for example, can glow dramatically at night to silhouette a panorama of customers and merchandise displays. Evening shoppers will have an invitingly color changing wash illuminated top-to-bottom view of the interior activity.

Retail architecture requires bright self-illuminated signs which should be calibrated so that they can hold their own against powerful pole-mounted parking lot lights or street lights. Potential customers became lost customers when they cannot find their way or read signage because of glare from overhead flood lighting.

Personal security plays a major role in deciding where to shop. Customers are sensitive to visual cues that effect their perceptions of safety and well-being. Contrast ratios influence outdoor security. If the ratio is too low, customers feel uncomfortable and will avoid the area. Enter the CT 2000™. It will solve this problem very easily since it's bright, colorful and features a variety of motion possibilities. It gives the feeling that something is always happening, like an Architectural Happening with its dynamic sequences to choreographed settings.

It could save a programmed cycle of colors which play across a curtain wall and masonry facing. Or inside at the atrium projecting at the vertical surfaces. Clearly CT 2000'S™ storefront illumination communicates merchandise appeal, produces a dynamic light show after sunset and delivers safety for after dark shoppers.

## ABOUT THE LAMP

### MSR 2000-SA

- + THE VERY SHORT ARC CREATES A VERY HIGH BEAM INTENSITY
- + HIGH LUMINANCE GIVES EXTERMELY POWERFUL AND BRIGHT LIGHT, COMBINED WITH DAYLIGHT COLOR RENDERING
- + P3 TECHNOLOGY ENSURES OUTSTANDING PERFORMANCE IN EXTREME HEAT CONDITIONS
- + EXCELLENT COLOR CHARACTERISTICS
- + COMPACT LAMP CONCEPT
- + MORE LIGHT IN THE BEAM AT LOW WATTAGES
- + OPTIMAL COLORS
- + COMPACT DESIGN LUMINAIRES

+ PERFORMANCE IS CONSISTENT



P3 (PHILIPS PINCH PROTECTION) technology delivers the benefits

The revolutionary P3 technology, a Philips Lighting Invention, continues to lead the way with further technological advancements. Lamps with P3 technology offer greater benefits including heat tolerance up to 500oC giving you more freedom, reliability and quality.

- +Longer lamp life
- +Reduced early failures
- +Greater heat tolerance
- +A better product at the same price

The benefits at a glance

By coating the pinch leads with a special chromium layer P3 technology ensures:

- +Greater Reliability through longer lifetime and fewer early failure
- +Improved Quality through excellent storage characteristics and consistent performance overtime
- +Freedom in any burning position
- +Compactness allowing more compact design of fixtures and burning positions



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