

# ARTICULIGHT

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## ARCHITECTURAL COLOR CHANGERS

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### DSN 250™ 250w CYM Color Changer

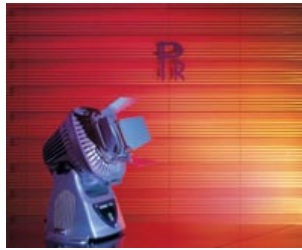


Aptly named, the DSN 250™ model 1250PR is a newly developed state-of-the-art color changing luminaire designed for short to medium throw applications. Infinite color generation is possible thanks to a smooth dichroic subtractive CYM color mixing system. The DSN 250™ produces continuous color change, cross fading, strobing, dimming and blackout all at varying speeds. Three operating modes are available: 1. Stand alone with preset factory programmed 'looks' for quick plug and play applications 2. Master/Slave with preset factory programmed 'looks' with complete synchronization 3. Remote controlled via DMX 512 communication protocol, allowing for a greater creative expression. All functions are controlled via 7 DMX 512 channels.



The DSN 250™ is a projector of innovative, compact, silent color changing, capable of extraordinary performances in terms of color mixing, reliability and versatility. The product complies to CE norms and standards and uses international protocol DMX 512. The DSN 250™ is particularly suitable for

television studios and theatres, stage lighting, limelight's, backdrops, inside or outside shops and shopping centers, sport centers and almost all architectural applications. The DSN 250™ features 6 kinds of color filters for CYM color mixing and 2 blades for shutter/dimmer. The product has light level sensor track system, which can adjust the status of product automatically. And the projector can be setup easily via the touch-switches and LCD display.



The DSN 250™ uses highly innovative high quality optical, mechanical and electronic systems resulting in extremely high light output, even beam distribution, very saturated colors and silky smooth color change, cross fade and blackout. Utilizing the highly popular cutting edge metal halide lamp source ensures high light output, consistent color temperature throughout lamp life and long life thus saving on energy and maintenance costs.



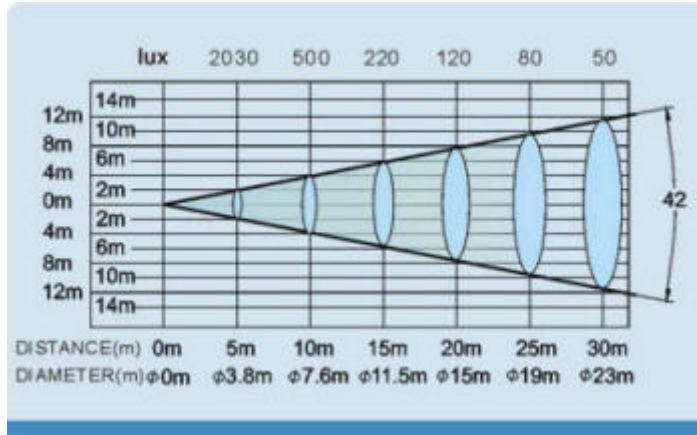
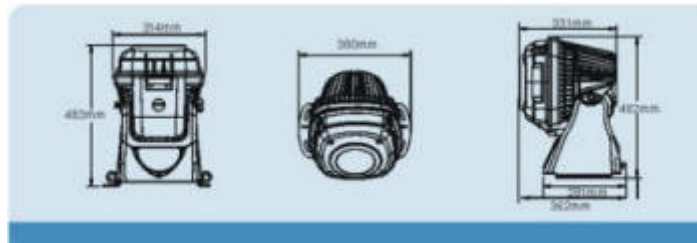
The DSN 250™ was designed for a wide range of applications in the architectural, display, entertainment and landscape lighting markets as a new lighting medium, enhancing the aesthetics of any site and adding an element of drama to any environment. Because the fixture is extremely compact and lightweight it can be easily hidden from view. Alternatively, the stunning avant-garde design of the exterior housing of the DSN 250™ can become a design statement by itself or as part of the architecture.



Designed and built for outdoor as well as indoor applications, the DSN 250™ is fully water and weather proofed with very high IP65 protection approval for ingress protection against liquid and solid. The overall clever design, skilled workmanship and high grade components make the DSN 250™ extremely reliable and durable for years of virtually maintenance free operation.

The DSN 250™ is brought to market in a ground breaking, highly competitive price enabling the use of multiple luminaries without burning a hole in your pocket.

#### LIGHT OUTPUT CHART



**TECHNICAL SPECIFICATIONS**

Voltage	100/120/200/220/230/240V AC 50/60Hz
Power Consumption	350W @ 220V
Lamp	CDM-T 250W/830 Color temperature: 3000°K Socket: G12 Lamp Life: 9000 Hours
Colors	Cyan, Yellow, Magenta (CYM) color mixing generating almost endless colors, with crossfade effect at various speeds
Shutters / Strobe	Double blade shutter for blackout and linear dimming from 0-100%
Beam Angle	42°
Projection Distance	Up to 30meters (100 feet)
Head Adjustment	Tilt 6°-90° (manually adjustable)
Mounting	Universal

Special Features	* Light Level Sensor * Time Mode * Remote Reset * Lamp Control
Housing	Cast Aluminum with epoxy powder paint finish
IP Rating	IP 65
Cooling	Specially designed ventilation system ensures cool running operation of the electronic, electric and mechanical assemblies resulting in higher reliability and durability of the luminaire.
Dimensions	See above
Weight	20.6 kgs

The DSN 250™ uses 7 DMX channels. They are listed in the following table

CHANNEL	FUNCTION	DMX VALUE	DESCRIPTION
1	Dimmer	000-255	From black to full open in linear
2	Color Mixing	017-035	Color 1
2	Color Mixing	036-054	Color 2
2	Color Mixing	055-073	Color 3
2	Color Mixing	074-092	Color 4
2	Color Mixing	093-110	Color 5
2	Color Mixing	111-128	Color 6
2	Color Mixing	129-255	Mix CYM color from slow to fast
3	Cyan	000-255	Cyan enters gradually
4	Yellow	000-255	Yellow enters gradually
5	Magenta	000-255	Magenta enters gradually
6	M-speed	000-255	Control motor speeds from fast to slow
7	Control	000-048	Reserved
7	Control	049-080	Reset
7	Control	081-112	Reserved
7	Control	113-114	Lamp OFF after 10 seconds
7	Control	145-223	Reserved
7	Control	224-255	Lamp ON

DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR