



C.S.T. 500 F

High Efficiency Cold Lighting Fresnel 3.200 °K

NEW Technology

- HOT RE-STRIKE discharge lamps with 3200°K, 2.000 Hours life

- 500W EQUIVALENT TO 2.000W TUNGSTEN

DE SISTI LIGHTING in co-operation with PHILIPS is proud to introduce the new 500 C.S.T. Lamp and the FRESNEL FIXTURE

Fixture self weight (head+yoke)

M.O. version kg.

P.O. version kg.



FRESNEL 500W versions (MANUAL or POLE OPERATED):

- Mod. 3470.110 "C.S.T. 50 F", M.O. ON-OFF
- Mod. 3471.110 "C.S.T. 50 F", P.O. ON-OFF
- Mod. 3472.110 "C.S.T. 50 F", M.O. DMX ON-OFF/DIM
- Mod. 3473.110 "C.S.T. 50 F", P.O. DMX ON-OFF/DIM

INTEGRAL UNIVERSAL HF BALLAST

(Input Voltage range 90-265V/50-60Hz)

INTEGRAL DMX ON-OFF & DIMMER

LIGHT INTENSITY control (OPTICAL DIMMER 0/100%), without variation of COLOUR TEMPERATURE.
POWER & DMX IN/OUT CONNECTIONS

LAMPS:

- 500 W SINGLE ENDED discharge lamps.
- 3200° K color temperature (very stable along the lamp duration and between different lamps).
- HOT RE-STRIKE capability.
- 2.000 Hours lamp life.
- CRI (Color Rendering Index)>90
- 85-88 Lumen/watt (approx. 4 times the efficiency of a tungsten source)

FIXTURES CONSTRUCTION:

Fixture housing in BLACK Epoxy Powder Coated STEEL.
BUILT IN flicker free H.F. electronic BALLAST.

This new products can be used in combination with Tungsten or Fluorescent sources balanced at 3200°K, introducing a luminous efficiency that is about 4 times the one of tungsten sources (a 500W CST is producing a comparable light output to a 2 kW tungsten lamp), with a much smaller heat production (a 500W CST is producing 345 W of heat, while a 2 kW Tungsten is producing 1.870 W of heat), with consequent cost and energy savings.



FULL CONTROL:

PATENTED built in Motorized Mechanical Dimmer

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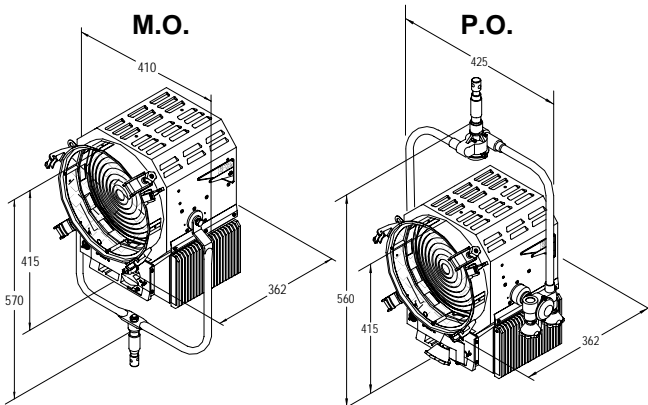
ON-OFF relay.

Both DMX controlled

0-100% dimming WITHOUT COLOR TEMPERATURE VARIATIONS

DIMENSIONS

(expressed in mm.)



PHOTOMETRIC DATA CST 50F

Values measured with: CST 500W HOT RE-STRIKE lamp, 3200°K, GY22 base Type: PHILIPS CST 500,

Luminaire using a 250 mm. Ø Fresnel Lens

	FEET				METERS					
	10'	15'	20'	25'	3 mt	4,5 mt	6 mt	7,5 mt		
TYPICAL DISTANCES										
LIGHT CENTER VALUES		FOOTCANDLES				LUX				
SPOT	Candle Power	121.140	1.211	538	303	194	13.460	5.982	3.365	2.154
FLOOD		14.580	146	65	36	23	1.620	720	405	259
		F.C. AT ANY DISTANCE = Candle Power : [Distance(in ft)] ²				LUX AT ANY DISTANCE = Candle Power : [Distance(in m.)] ²				
BEAM ANGLE (50% of center value):		BEAM DIAMETER in feet				BEAM DIAMETER in meters				
SPOT		8,5°	1,5'	2,2'	3,0'	3,7'	0,4 mt	0,7 mt	0,9 mt	1,1 mt
FLOOD		66,0°	13,0'	19,5'	26,0'	32,5'	3,9 mt	5,8 mt	7,8 mt	9,7 mt
FIELD ANGLE (10% of center value):		BEAM DIAMETER in feet				BEAM DIAMETER in meters				
SPOT		16,0°	2,8'	4,2'	5,6'	7,0'	0,8 mt	1,3 mt	1,7 mt	2,1 mt
FLOOD		82,0°	17,4'	26,1'	34,8'	43,5'	5,2 mt	7,8 mt	10,4 mt	13,0 mt



CST 50 F Versions and Model Numbers

C.S.T. 50 F - 500W Fresnel

MOD.	DESCRIPTION			
3470.110	"C.S.T. 50 F", M.O. , ON-OFF Fresnel Spotlight for 500 W CST hot-restrike discharge lamps (3.200° K -2.000 Hours), including: - 250 mm. lens, - POWER IN & OUT PANEL MOUNTED POWERCON CONNECTORS - 3 mt. detachable power cable with POWERCON 16A on one side and free end on the other, - main switch, - GY22 lamp holder, - stainless steel wire guard (325.300), - M.O.stirrup (320.110.40), - barndoor (326.110), - colour frame (327.100), - integral HF electronic ballast (Input Voltage range 90-265V/50-60Hz)	SELF WEIGHTS	kg.	Lb.
		Fixture head	12,0	26.45
		M.O. Yoke	1,4	3.1
		4 leaves Barndoor	1,4	3.1
		Color Frame	0,28	0.6
		TOTAL	15,08	33.1
3471.110	"C.S.T. 50 F", P.O. , ON-OFF Fresnel Spotlight for 500 W CST hot-restrike discharge lamps (3.200° K - 2.000 Hours), including: - 250 mm. lens, - POWER IN & OUT PANEL MOUNTED POWERCON CONNECTORS - 3 mt. detachable power cable with POWERCON 16A on one side and free end on the other, - main switch, - GY22 lamp holder, - stainless steel wire guard (325.300), - P.O.stirrup (321.110.40), - barndoor (326.110), - colour frame (327.100), - integral HF electronic ballast (Input Voltage range 90-265V/50-60Hz)	SELF WEIGHTS	kg.	Lb.
		Fixture head	12,0	26.45
		P.O. Yoke	2,6	5.73
		4 leaves Barndoor	1,4	3.1
		Color Frame	0,28	0.6
		TOTAL	16,28	35.82
3472.110	"C.S.T. 50 F", M.O. , DMX ON-OFF/DIM M.O. Fresnel Spotlight for 500 W CST hot-restrike discharge lamps (3.200° K - 2.000 Hours), including: - 250 mm. lens, - POWER IN & OUT PANEL MOUNTED POWERCON CONNECTORS and XLR 5 Pin DMX IN & OUT PANEL MOUNTED CONNECTORS. - 3 mt. detachable power cable with POWERCON 16A on one side and free end on the other, - main switch, - GY22 lamp holder, - stainless steel wire guard (325.300), - M.O.stirrup (320.110.40), - barndoor (326.110), - colour frame (327.100), - integral HF electronic ballast (Input Voltage range 90-265V/50-60Hz). - Integral DMX ON-OFF & LIGHT INTENSITY control (OPTICAL DIMMER 0/100%).	SELF WEIGHTS	kg.	Lb.
		Fixture head	13,0	28.65
		M.O. Yoke	1,4	3.1
		4 leaves Barndoor	1,4	3.1
		Color Frame	0,28	0.6
		TOTAL	16,08	35.38
3473.110	"C.S.T. 50 F", P.O. , DMX ON-OFF/DIM Fresnel Spotlight for 500 W CST hot-restrike discharge lamps (3.200° K - 2.000 Hours), including: - 250 mm. lens, - POWER IN & OUT PANEL MOUNTED POWERCON CONNECTORS and XLR 5 Pin DMX IN & OUT PANEL MOUNTED CONNECTORS. - 3 mt. detachable power cable with POWERCON 16A on one side and free end on the other, - main switch, - GY22 lamp holder, - stainless steel wire guard (325.300), - P.O.stirrup (321.110.40), - barndoor (326.110), - colour frame (327.100), - integral HF electronic ballast (Input Voltage range 90-265V/50-60Hz) - Integral DMX ON-OFF & LIGHT INTENSITY control (OPTICAL DIMMER 0/100%).	SELF WEIGHTS	kg.	Lb.
		Fixture head	13,0	28.65
		P.O. Yoke	2,6	5.73
		4 leaves Barndoor	1,4	3.1
		Color Frame	0,28	0.6
		TOTAL	17,28	38.02

MOD.	OPTIONAL & ACCESSORIES
320.110.40	Steel tube (M.O.) stirrup with 28,57 mm. spigot (B.S. 1 1/8"), with top end for attachment to "C" clamp.
320.300.40	Steel tube (M.O.) stirrup with 28,00 mm. spigot (D.I.N)
5403.130	POWER DAISY CHAIN CABLE 3 m. LONG, including: - 3 m. power cable Terminated with POWERCON Connectors at the ends, to allow daisy chain of CST units (max 12 fixtures can be daisy chained at 230V and 6 fixtures at 120V).
5402.503	DMX DAISY CHAIN CABLE 3 m. LONG, including: - 3 m. cable terminated with XLR 5 pin Connectors (male and female) at the ends, to allow daisy chain of CST units.

SUGGESTED STAND

DGP-A110	Combo stand with lazy leg with 29 mm. Socket (1 1/8") and 16 mm. Spigot (5/8")
DGP-A9000	Caster set diam. 100 mm. braked

SUGGESTED LAMPS

CST 500	CST 500W Ceramic Studio Teathre Hot-Restrike lamp, 3200°K, GY22 base. Brand: PHILIPS.
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