



C.S.T. 250 F

High Efficiency Cold Lighting Fresnel 3.200 °K

NEW Technology

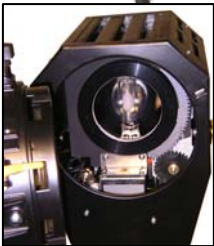
- HOT RE-STRIKE discharge lamps with 3200°K, 4000 Hours life
- 250W EQUIVALENT TO 1.000W TUNGSTEN

DE SISTI LIGHTING in co-operation with PHILIPS is proud to introduce the C.S.T. Lamps and a full range of professional lighting fixtures, including FRESNEL, PAR and BRODLIGHT versions.

Fixture self weight (head+yoke)

M.O. version 7,4 kg.

P.O. version 8,7 kg.

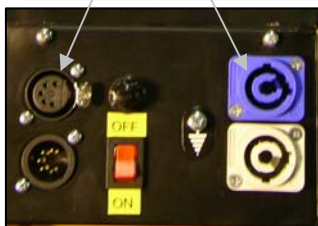


SPECIAL VERSION ON REQUEST with:
 built-in Motorized Mechanical Dimmer & ON-OFF relay.
 Both DMX controlled
 0-100% dimming WITHOUT COLOR TEMPERATURE VARIATIONS



DMX IN & OUT

MAINS IN & OUT



FRESNEL 250W versions (MANUAL or POLE OPERATED):

- Mod. 3450.110 "C.S.T. 25 F", M.O. ON-OFF
- Mod. 3451.110 "C.S.T. 25 F", P.O. ON-OFF
- Mod. 3452.110 "C.S.T. 25 F", M.O. DMX ON-OFF/DIM
- Mod. 3453.110 "C.S.T. 25 F", P.O. DMX ON-OFF/DIM

INTEGRAL UNIVERSAL 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:

- 250 W SINGLE ENDED discharge lamps.
- 3200° K color temperature (very stable along the lamp duration and between different lamps).
- HOT RE-STRIKE capability.
- 4000 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 STAINLESS STEEL (INOX).
 BUILT IN flicker free electronic BALLAST.

SPECIAL ACCESSORIES:

- DMX on/off board BUILT inside the fixture (on request for all models).
- DMX controlled mechanical/optical dimmer built in the unit (available on FRESNEL type only)

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 250W CST is producing a comparable light output to a 1 kW tungsten), with a much smaller heat production (a 250W CST is producing 172.5 W of heat, while a 1 kW Tungsten is producing 935 W of heat), with consequent cost and energy savings.

PHOTOMETRIC DATA CST 25F									
Values measured with: CST 250W HOT RESTRIKE lamp, 3200°K, GZY9.5 base Type: PHILIPS CST 250, Luminaire using a 150 mm. Ø Fresnel Lens									
TYPICAL DISTANCES	FEET				METERS				
	10'	15'	20'	25'	3 mt	4,5 mt	6 mt	7,5 mt	
LIGHT CENTER VALUES	Candle Power				LUX				
	FOOTCANDLES				LUX				
SPOT	60.570	606	269	151	97	6.730	2.991	1.683	1.077
FLOOD	7.290	73	32	18	12	810	360	203	130
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 25 F Versions and Model Numbers

C.S.T. 25 F - 250W Fresnel

MOD.	DESCRIPTION	SELF WEIGHTS	kg.	Lb.
3450.110	"C.S.T. 25 F", M.O. ON-OFF Fresnel Spotlight for 250 W CST hot-restrike discharge lamps (3.200° K - 4.000 Hours), including: - 150 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, - GZY9.5 lamp holder, - stainless steel wire guard (315.300), - M.O.stirrup (370.110.40), - barndoor (316.100), - colour frame (317.100), - integral electronic ballast (Input Voltage range 90-265V/50-60Hz)	SELF WEIGHTS Fixture head M.O. Yoke 4 leaves Barndoor Color Frame TOTAL	5,7 1,3 0,6 0,1 7,7	12,5 2,8 1,4 0,3 17,0
3451.110	"C.S.T. 25 F", P.O. ON-OFF (PAN & TILT ONLY) Fresnel Spotlight for 250 W CST hot-restrike discharge lamps (3.200° K - 4.000 Hours), including: - 150 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, - GZY9.5 lamp holder, - stainless steel wire guard (315.300), - P.O.stirrup (371.110.40), - barndoor (316.100), - colour frame (317.100), - integral electronic ballast (Input Voltage range 90-265V/50-60Hz)	SELF WEIGHTS Fixture head P.O. Yoke 4 leaves Barndoor Color Frame TOTAL	5,7 2,6 0,6 0,1 9,0	12,5 5,7 1,4 0,3 19,9
3452.110	"C.S.T. 25 F", M.O. DMX ON-OFF/DIM M.O. Fresnel Spotlight for 250 W CST hot-restrike discharge lamps (3.200° K - 4.000 Hours), including: - 150 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, - GZY9.5 lamp holder, - stainless steel wire guard (315.300), - M.O.stirrup (370.110.40), - barndoor (316.100), - colour frame (317.100), - integral electronic ballast (Input Voltage range 90-265V/50-60Hz). - integral DMX ON-OFF & LIGHT INTENSITY control (OPTYCAL DIMMER 0/100%).	SELF WEIGHTS Fixture head M.O. Yoke 4 leaves Barndoor Color Frame TOTAL	6,1 1,3 0,6 0,1 8,1	13,4 2,8 1,4 0,3 17,9
3453.110	"C.S.T. 25 F", P.O. DMX ON-OFF/DIM (PAN & TILT ONLY) Fresnel Spotlight for 250 W CST hot-restrike discharge lamps (3.200° K - 4.000 Hours), including: - 150 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, - GZY9.5 lamp holder, - stainless steel wire guard (315.300), - P.O.stirrup (371.110.40), - barndoor (316.100), - colour frame (317.100), - integral electronic ballast (Input Voltage range 90-265V/50-60Hz) - Integral DMX ON-OFF & LIGHT INTENSITY control (OPTYCAL DIMMER 0/100%).	SELF WEIGHTS Fixture head P.O. Yoke 4 leaves Barndoor Color Frame TOTAL	6,1 2,6 0,6 0,1 9,4	13,4 5,7 1,4 0,3 20,8

MOD.	OPTIONAL & ACCESSORIES
370.110.40	Steel tube (M.O.) stirrup with 28,57 mm. spigot (B.S. 1 1/8"), with top end for attachment to "C" clamp.
370.300.40	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 250	CST 250W Ceramic Studio Theatre Hot-Restrike lamp, 3200°K, GZY9.5 base. Brand: PHILIPS.
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