

Strand Lighting Specification

I. CODA CYCLORAMA LUMINAIRES

A. GENERAL

1. The Coda cyclorama luminaires shall be of modular construction to allow for three basic versions: one, three and four light units. Each compartment shall accommodate a 500W double-ended tungsten-halogen lamp.
2. The luminaires may be pipe or floor mounted for even coverage of backdrops and cycloramas.

B. MECHANICAL

1. The lamp house constructions shall be pressure die cast aluminum alloy end sections common to all luminaires joined by machine threaded screws to pressed sheet steel housing. Anchorage shall be provided for a safety bond.
2. The design shall allow for maximum heat dissipation assisted by convection ventilation.
3. The mounting and suspension of the single compartment units shall be of aluminum alloy, reversible, with a 1/2 inch diameter friction disk and heat insulated hand knob. The yoke shall be threaded to accept a C-clamp.
4. The mounting and suspension of 3 and 4 compartment units shall be reversible 'L' yokes, with dual top suspension yoke/groundrow tilt foot. The units shall have a 1/2 inch diameter friction disk and an insulated hand knob. Two C-clamps shall be required for hanging unless a swivel cross-bar is used.
5. Exterior finish shall be black high temperature stoved epoxy powder coat.
6. The weight shall be:
 - a. Coda 1: 8 lbs.
 - b. Coda 3: 18 lbs.
 - c. Coda 4: 22 lbs.
7. The luminaire shall have the following dimensions:
 - a. Coda 1: 8.3" L x 11" W x 11.8" H
 - b. Coda 3: 8.3" L x 29" W x 11.8" H
 - c. Coda 4: 8.3" L x 37.5" W x 11.8" H
8. The color frame shall be "book form" hinged with one side serrated for top or bottom 'soft' edge characteristics.
9. The color frame size shall be: 8.5" x 9.5".

C. ELECTRICAL

1. The supply voltage shall be 120V, 60Hz. Versions shall also be available for 220V operation.
2. The maximum wattage shall be 500W per compartment.
3. The unit shall utilize double ended tungsten halogen lamps, with an R7 base.

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4. The unit shall be supplied with 3.0 ft toughened silicone rubber sheathed cable, bare ends or connector as specified. There shall be one input cable per compartment

D. OPTICAL SYSTEM

1. The sockets shall be mounted within an asymmetrical textured anodised aluminum reflector designed for maximum efficiency and smoothness of field.
2. Lamp access shall be through the front of each compartment by moving the wireguard.

E. ENVIRONMENTAL

1. The maximum ambient operating temperature shall be 115°F.
2. The maximum surface temperature shall be 450°F.
3. The recommended tilt angles of use shall be +45° to -75°.

F. PERFORMANCE

1. Hanging at 20 ft. 45° angle. 5.0' from cyclorama on 5.0' centers. FC Based on FDN 500W Lamp.

Cyc Height (ft)	3.3	6.6	9.9	13.2	16.4	20
FC	45	71	92	93	90	65

2. Floor level 45° angle. 3.25' from cyclorama on 3.25' centers. FC Based on FDN 500W Lamp.

Cyc Height (ft)	3.3	6.6	9.9	13.2	16.4	20
FC	181	164	102	54	33	25

G. INCLUDED FURNISHINGS

1. One color frame for each compartment
2. One integral wire guard for each compartment
3. Steel yoke
4. 39" (1m) leads in toughened silicone rubber sheathed cable, or with connectors as specified

H. ACCESSORIES

1. Lamp
2. C-Clamp(s) for hanging units
3. Additional Color frames
4. Safety cable, 18" (457mm)

I. PROVIDE THE FOLLOWING:

Qty.	Cat. No.	Description
#	14011	One-light, one-circuit Coda 500W cyclight, 120V, bare leads
#	14016	One-light, one-circuit Coda 500W cyclight, 120V, GR (15A) Fitted Connector

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#	14017	One-light, one-circuit Coda 500W cyclight, 120V, GP (20A) Fitted Connector
#	14018	One-light, one-circuit Coda 500W cyclight, 120V, GTL (20A) Fitted Connector
#	14031	Three-light, three-circuit Coda 500W cyclight, 120V, 3-bare leads
#	14036	Three-light, three-circuit Coda 500W cyclight, 120V, GR (15A) Fitted Connectors
#	14037	Three-light, three-circuit Coda 500W cyclight, 120V, GP (20A) Fitted Connectors
#	14038	Three-light, three-circuit Coda 500W cyclight, 120V, GTL (20A) Fitted Connectors
#	14041	Four-light, four circuit Coda 500W cyclight, 120V, 4-bare leads
#	14046	Four-light, four circuit Coda 500W cyclight, 120V, GR (15A) Fitted Connectors
#	14047	Four-light, four circuit Coda 500W cyclight, 120V, GP (20A) Fitted Connectors
#	14048	Four-light, four circuit Coda 500W cyclight, 120V, GTL (20A) Fitted Connectors
#	FDN	500W, 120V lamp, one required per compartment
#	18123	Color frame, one required per compartment
#	82019	Standard 2" (51mm) pipe C-clamp, with stud (two required for 3 & 4 light units)
#	82003	Safety cable, 18" (457mm)