

# Araxis Merge File Comparison Report

Produced by **Araxis Merge** on **2022-10-26 14:49:12 W. Europe Summer Time**. See [www.araxis.com](http://www.araxis.com) for information about Merge. This report uses XHTML and CSS2, and is best viewed with a modern standards-compliant browser. For optimum results when printing this report, use landscape orientation and enable printing of background images and colours in your browser.

## 1. Files compared

#	Location	File	Last Modified
1	C:\Source\AB Guide	AtlaBase.CommonExportFormat_2.7.0.xsd	2022-01-12 09:58:11 W. Europe Summer Time
2	C:\Source\AB Guide	AtlaBase.CommonExportFormat_2.8.0.xsd	2022-10-26 14:08:22 W. Europe Summer Time

## 2. Comparison summary

Description	Between Files 1 and 2	
	Text Blocks	Lines
Unchanged	14	3228
Changed	5	26
Inserted	8	148
Removed	0	0

## 3. Comparison options

<b>Whitespace</b>	All differences in whitespace within lines are ignored
<b>Character case</b>	Differences in character case are significant
<b>Line endings</b>	Differences in line endings (CR and LF characters) are ignored
<b>CR/LF characters</b>	Not shown in the comparison detail
<b>Active line-pairing rules</b>	

## 4. Active regular expressions

No regular expressions were active.

## 5. Comparison detail

1	<xs:schema	1	<xs:schema
2	targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.7.0"	2	targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.8.0"
3	xmlns:xs="http://www.w3.org/2001/XMLSchema"	3	xmlns:xs="http://www.w3.org/2001/XMLSchema"
4	xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.7.0"	4	xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.8.0"
5	elementFormDefault="qualified">	5	elementFormDefault="qualified">
6	<!-- Document root -->	6	<!-- Document root -->
7	<xs:element name="AtlaBase.CommonExportFormat">	7	<xs:element name="AtlaBase.CommonExportFormat">
8	<xs:complexType>	8	<xs:complexType>
9	<xs:choice minOccurs="1" maxOccurs="unbounded">	9	<xs:choice minOccurs="1" maxOccurs="unbounded">
10	<xs:element name="Brand" type="cef:tBrand"/>	10	<xs:element name="Brand" type="cef:tBrand"/>
11	<xs:element name="Filter" type="cef:tFilter"/>	11	<xs:element name="Filter" type="cef:tFilter"/>
12	<xs:element name="Gobo" type="cef:tGobo"/>	12	<xs:element name="Gobo" type="cef:tGobo"/>
13	<xs:element name="Fixture" type="cef:tFixture"/>	13	<xs:element name="Fixture" type="cef:tFixture"/>
14	<xs:element name="MediaServer" type="cef:tMediaServer"/>	14	<xs:element name="MediaServer" type="cef:tMediaServer"/>
15	<xs:element name="Symbol" type="cef:tSymbol"/>	15	<xs:element name="Symbol" type="cef:tSymbol"/>
16	</xs:choice>	16	</xs:choice>
17	</xs:complexType>	17	</xs:complexType>
18	</xs:element>	18	</xs:element>
19	<!-- Brand -->	19	<!-- Brand -->
20	<xs:complexType name="tBrand">	20	<xs:complexType name="tBrand">
21	<xs:sequence>	21	<xs:sequence>
22	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />	22	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
23	</xs:sequence>	23	</xs:sequence>
24	<xs:attribute name="Identifier" type="xs:string" use="required"/>	24	<xs:attribute name="Identifier" type="xs:string" use="required"/>
25	</xs:complexType>	25	</xs:complexType>
26	<!-- Filter -->	26	<!-- Filter -->
27		27	
28		28	
29		29	

```

30 <xs:complexType name="tFilter">
31   <xs:sequence>
32     <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
33     <xs:element name="HorizontalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
34     <xs:element name="VerticalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
35   </xs:sequence>
36   <xs:attribute name="Identifier" type="xs:string" use="required"/>
37   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
38   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
39   <xs:attribute name="Brand" type="xs:string" use="required"/>
40   <xs:attribute name="Code" type="xs:string" use="optional"/>
41   <xs:attribute name="Name" type="xs:string" use="optional"/>
42   <xs:attribute name="PartNo" type="xs:string" use="optional"/>
43   <xs:attribute name="Origin" type="xs:string" use="optional"/>
44 </xs:complexType>
45
46 <xs:complexType name="tFilterColor">
47   <xs:sequence>
48     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
49       <xs:complexType>
50         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
51         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
52         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
53       </xs:complexType>
54     </xs:element>
55     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
56       <xs:complexType>
57         <xs:attribute name="x" type="xs:float" use="required" />
58         <xs:attribute name="y" type="xs:float" use="required" />
59         <xs:attribute name="Y" type="xs:float" use="required" />
60         <xs:attribute name="K" type="xs:unsignedShort" use="required" />
61       </xs:complexType>
62     </xs:element>
63   </xs:sequence>
64 </xs:complexType>
65
66 <!-- Gobo -->
67 <xs:complexType name="tGobo">
68   <xs:sequence>
69     <xs:element name="Type" type="cef:tGoboType" minOccurs="1" maxOccurs="1" />
70     <xs:element name="AnimationDiscRatio" minOccurs="0" maxOccurs="1">
71       <xs:simpleType>
72         <xs:restriction base="xs:float">
73           <xs:minExclusive value="0" />
74           <xs:maxInclusive value="1" />
75         </xs:restriction>
76       </xs:simpleType>
77     </xs:element>
78     <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
79     <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
80       <xs:complexType>
81         <xs:attribute name="Identifier" type="xs:string" use="required"/>
82         <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
83       </xs:complexType>
84     </xs:element>
85   </xs:sequence>
86   <xs:attribute name="Identifier" type="xs:string" use="required"/>
87   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
88   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
89   <xs:attribute name="Brand" type="xs:string" use="required"/>
90   <xs:attribute name="Code" type="xs:string" use="optional"/>
91   <xs:attribute name="Name" type="xs:string" use="optional"/>
92   <xs:attribute name="PartNo" type="xs:string" use="optional"/>
93   <xs:attribute name="Origin" type="xs:string" use="optional"/>
94 </xs:complexType>
95
96 <!-- Fixture-->
97 <xs:complexType name="tFixture">
98   <xs:sequence>
99     <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
100    <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
101    <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
102    <xs:element name="RDM" minOccurs="0" maxOccurs="1">
103      <xs:complexType>

```

```

30 <xs:complexType name="tFilter">
31   <xs:sequence>
32     <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
33     <xs:element name="HorizontalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
34     <xs:element name="VerticalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
35   </xs:sequence>
36   <xs:attribute name="Identifier" type="xs:string" use="required"/>
37   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
38   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
39   <xs:attribute name="Brand" type="xs:string" use="required"/>
40   <xs:attribute name="Code" type="xs:string" use="optional"/>
41   <xs:attribute name="Name" type="xs:string" use="optional"/>
42   <xs:attribute name="PartNo" type="xs:string" use="optional"/>
43   <xs:attribute name="Origin" type="xs:string" use="optional"/>
44 </xs:complexType>
45
46 <xs:complexType name="tFilterColor">
47   <xs:sequence>
48     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
49       <xs:complexType>
50         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
51         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
52         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
53       </xs:complexType>
54     </xs:element>
55     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
56       <xs:complexType>
57         <xs:attribute name="x" type="xs:float" use="required" />
58         <xs:attribute name="y" type="xs:float" use="required" />
59         <xs:attribute name="Y" type="xs:float" use="required" />
60         <xs:attribute name="K" type="xs:unsignedShort" use="required" />
61       </xs:complexType>
62     </xs:element>
63   </xs:sequence>
64 </xs:complexType>
65
66 <!-- Gobo -->
67 <xs:complexType name="tGobo">
68   <xs:sequence>
69     <xs:element name="Type" type="cef:tGoboType" minOccurs="1" maxOccurs="1" />
70     <xs:element name="AnimationDiscRatio" minOccurs="0" maxOccurs="1">
71       <xs:simpleType>
72         <xs:restriction base="xs:float">
73           <xs:minExclusive value="0" />
74           <xs:maxInclusive value="1" />
75         </xs:restriction>
76       </xs:simpleType>
77     </xs:element>
78     <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
79     <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
80       <xs:complexType>
81         <xs:attribute name="Identifier" type="xs:string" use="required"/>
82         <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
83       </xs:complexType>
84     </xs:element>
85   </xs:sequence>
86   <xs:attribute name="Identifier" type="xs:string" use="required"/>
87   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
88   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
89   <xs:attribute name="Brand" type="xs:string" use="required"/>
90   <xs:attribute name="Code" type="xs:string" use="optional"/>
91   <xs:attribute name="Name" type="xs:string" use="optional"/>
92   <xs:attribute name="PartNo" type="xs:string" use="optional"/>
93   <xs:attribute name="Origin" type="xs:string" use="optional"/>
94 </xs:complexType>
95
96 <!-- Fixture-->
97 <xs:complexType name="tFixture">
98   <xs:sequence>
99     <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
100    <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
101    <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
102    <xs:element name="RDM" minOccurs="0" maxOccurs="1">
103      <xs:complexType>

```

```

104     <xs:sequence>
105       <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
106         <xs:simpleType>
107           <xs:restriction base="xs:unsignedShort">
108             <xs:minInclusive value="1"/>
109             <xs:maxInclusive value="32767"/>
110           </xs:restriction>
111         </xs:simpleType>
112       </xs:element>
113       <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccurs="1"/>
114     </xs:sequence>
115   </xs:complexType>
116 </xs:element>
117 <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
118 <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
119 <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
120 <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
121   <xs:complexType>
122     <xs:sequence>
123       <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
124       <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
125       <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
126       <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
127     </xs:sequence>
128   </xs:complexType>
129 </xs:element>
130 <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
131   <xs:simpleType>
132     <xs:restriction base="xs:string">
133       <xs:enumeration value="None" />
134       <xs:enumeration value="OrthogonalSinglePointShutters" />
135       <xs:enumeration value="OrthogonalTwoPointShutters" />
136       <xs:enumeration value="PerimetralSinglePointShutters" />
137       <xs:enumeration value="ExternalBarndoors" />
138       <xs:enumeration value="InternalBarndoors" />
139     </xs:restriction>
140   </xs:simpleType>
141 </xs:element>
142 <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
143   <xs:complexType>
144     <xs:sequence>
145       <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
146       <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
147       <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
148       <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
149       <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
150     </xs:sequence>
151   </xs:complexType>
152 </xs:element>
153 <xs:element name="FrostFlags" minOccurs="0" maxOccurs="1">
154   <xs:complexType>
155     <xs:sequence>
156       <xs:element name="Flag" minOccurs="1" maxOccurs="unbounded">
157         <xs:complexType>
158           <xs:attribute name="Name" type="xs:string" use="optional" />
159           <xs:attribute name="Frost" type="cef:tPositiveFloat" use="required" />
160           <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
161         </xs:complexType>
162       </xs:element>
163     </xs:sequence>
164   </xs:complexType>
165 </xs:element>
166 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
167   <xs:complexType>
168     <xs:sequence>
169       <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
170       <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
171       <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
172       <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
173     </xs:sequence>
174     <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
175     <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
176   </xs:complexType>
177 </xs:element>

```

```

104     <xs:sequence>
105       <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
106         <xs:simpleType>
107           <xs:restriction base="xs:unsignedShort">
108             <xs:minInclusive value="1"/>
109             <xs:maxInclusive value="32767"/>
110           </xs:restriction>
111         </xs:simpleType>
112       </xs:element>
113       <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccurs="1"/>
114     </xs:sequence>
115   </xs:complexType>
116 </xs:element>
117 <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
118 <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
119 <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
120 <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
121   <xs:complexType>
122     <xs:sequence>
123       <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
124       <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
125       <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
126       <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
127     </xs:sequence>
128   </xs:complexType>
129 </xs:element>
130 <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
131   <xs:simpleType>
132     <xs:restriction base="xs:string">
133       <xs:enumeration value="None" />
134       <xs:enumeration value="OrthogonalSinglePointShutters" />
135       <xs:enumeration value="OrthogonalTwoPointShutters" />
136       <xs:enumeration value="PerimetralSinglePointShutters" />
137       <xs:enumeration value="ExternalBarndoors" />
138       <xs:enumeration value="InternalBarndoors" />
139     </xs:restriction>
140   </xs:simpleType>
141 </xs:element>
142 <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
143   <xs:complexType>
144     <xs:sequence>
145       <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
146       <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
147       <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
148       <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
149       <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
150     </xs:sequence>
151   </xs:complexType>
152 </xs:element>
153 <xs:element name="FrostFlags" minOccurs="0" maxOccurs="1">
154   <xs:complexType>
155     <xs:sequence>
156       <xs:element name="Flag" minOccurs="1" maxOccurs="unbounded">
157         <xs:complexType>
158           <xs:attribute name="Name" type="xs:string" use="optional" />
159           <xs:attribute name="Frost" type="cef:tPositiveFloat" use="required" />
160           <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
161         </xs:complexType>
162       </xs:element>
163     </xs:sequence>
164   </xs:complexType>
165 </xs:element>
166 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
167   <xs:complexType>
168     <xs:sequence>
169       <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
170       <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
171       <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
172       <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
173     </xs:sequence>
174     <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
175     <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
176   </xs:complexType>
177 </xs:element>

```

```

178 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
179   <xs:complexType>
180     <xs:sequence>
181       <xs:element name="Host" minOccurs="0" maxOccurs="1">
182         <xs:complexType>
183           <xs:attribute name="PartName" type="xs:string" use="required" />
184           <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
185           <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
186         </xs:complexType>
187       </xs:element>
188       <xs:element name="Model" minOccurs="0" maxOccurs="1">
189         <xs:complexType>
190           <xs:sequence>
191             <xs:element name="Shape" minOccurs="1" maxOccurs="1">
192               <xs:simpleType>
193                 <xs:restriction base="xs:string">
194                   <xs:enumeration value="Box" />
195                   <xs:enumeration value="Tube" />
196                   <xs:enumeration value="Sphere" />
197                   <xs:enumeration value="PAR" />
198                   <xs:enumeration value="TubewithBox" />
199                   <xs:enumeration value="ConeWithTube" />
200                   <xs:enumeration value="SymmetricEgg" />
201                   <xs:enumeration value="FlatBottomEgg" />
202                   <xs:enumeration value="FlatBottomTubeEgg" />
203                   <xs:enumeration value="Scanner" />
204                   <xs:enumeration value="YokeBase" />
205                   <xs:enumeration value="YokeArm" />
206                   <xs:enumeration value="FrontmountBox" />
207                   <xs:enumeration value="FrontmountTube" />
208                   <xs:enumeration value="FrontmountScanner" />
209                 </xs:restriction>
210               </xs:simpleType>
211             </xs:element>
212             <xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
213             <xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
214             <xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
215             <xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />
216           </xs:sequence>
217         </xs:complexType>
218       </xs:element>
219     </xs:sequence>
220     <xs:attribute name="Name" type="xs:string" use="required" />
221   </xs:complexType>
222 </xs:element>
223 <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
224   <xs:complexType>
225     <xs:sequence>
226       <xs:element name="Host" minOccurs="0" maxOccurs="1">
227         <xs:complexType>
228           <xs:attribute name="PartName" type="xs:string" use="required" />
229         </xs:complexType>
230       </xs:element>
231       <xs:element name="Location" minOccurs="0" maxOccurs="1">
232         <xs:complexType>
233           <xs:sequence>
234             <xs:element name="Center" minOccurs="1" maxOccurs="1">
235               <xs:complexType>
236                 <xs:attribute name="X" type="xs:float" use="required" />
237                 <xs:attribute name="Y" type="xs:float" use="required" />
238                 <xs:attribute name="Z" type="xs:float" use="required" />
239               </xs:complexType>
240             </xs:element>
241             <xs:element name="Direction" minOccurs="1" maxOccurs="1">
242               <xs:complexType>
243                 <xs:attribute name="X" type="xs:float" use="required" />
244                 <xs:attribute name="Y" type="xs:float" use="required" />
245                 <xs:attribute name="Z" type="xs:float" use="required" />
246               </xs:complexType>
247             </xs:element>
248             <xs:element name="Normal" minOccurs="1" maxOccurs="1">
249               <xs:complexType>
250                 <xs:attribute name="X" type="xs:float" use="required" />
251                 <xs:attribute name="Y" type="xs:float" use="required" />

```

```

178 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
179   <xs:complexType>
180     <xs:sequence>
181       <xs:element name="Host" minOccurs="0" maxOccurs="1">
182         <xs:complexType>
183           <xs:attribute name="PartName" type="xs:string" use="required" />
184           <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
185           <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
186         </xs:complexType>
187       </xs:element>
188       <xs:element name="Model" minOccurs="0" maxOccurs="1">
189         <xs:complexType>
190           <xs:sequence>
191             <xs:element name="Shape" minOccurs="1" maxOccurs="1">
192               <xs:simpleType>
193                 <xs:restriction base="xs:string">
194                   <xs:enumeration value="Box" />
195                   <xs:enumeration value="Tube" />
196                   <xs:enumeration value="Sphere" />
197                   <xs:enumeration value="PAR" />
198                   <xs:enumeration value="TubewithBox" />
199                   <xs:enumeration value="ConeWithTube" />
200                   <xs:enumeration value="SymmetricEgg" />
201                   <xs:enumeration value="FlatBottomEgg" />
202                   <xs:enumeration value="FlatBottomTubeEgg" />
203                   <xs:enumeration value="Scanner" />
204                   <xs:enumeration value="YokeBase" />
205                   <xs:enumeration value="YokeArm" />
206                   <xs:enumeration value="FrontmountBox" />
207                   <xs:enumeration value="FrontmountTube" />
208                   <xs:enumeration value="FrontmountScanner" />
209                 </xs:restriction>
210               </xs:simpleType>
211             </xs:element>
212             <xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
213             <xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
214             <xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
215             <xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />
216           </xs:sequence>
217         </xs:complexType>
218       </xs:element>
219     </xs:sequence>
220     <xs:attribute name="Name" type="xs:string" use="required" />
221   </xs:complexType>
222 </xs:element>
223 <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
224   <xs:complexType>
225     <xs:sequence>
226       <xs:element name="Host" minOccurs="0" maxOccurs="1">
227         <xs:complexType>
228           <xs:attribute name="PartName" type="xs:string" use="required" />
229         </xs:complexType>
230       </xs:element>
231       <xs:element name="Location" minOccurs="0" maxOccurs="1">
232         <xs:complexType>
233           <xs:sequence>
234             <xs:element name="Center" minOccurs="1" maxOccurs="1">
235               <xs:complexType>
236                 <xs:attribute name="X" type="xs:float" use="required" />
237                 <xs:attribute name="Y" type="xs:float" use="required" />
238                 <xs:attribute name="Z" type="xs:float" use="required" />
239               </xs:complexType>
240             </xs:element>
241             <xs:element name="Direction" minOccurs="1" maxOccurs="1">
242               <xs:complexType>
243                 <xs:attribute name="X" type="xs:float" use="required" />
244                 <xs:attribute name="Y" type="xs:float" use="required" />
245                 <xs:attribute name="Z" type="xs:float" use="required" />
246               </xs:complexType>
247             </xs:element>
248             <xs:element name="Normal" minOccurs="1" maxOccurs="1">
249               <xs:complexType>
250                 <xs:attribute name="X" type="xs:float" use="required" />
251                 <xs:attribute name="Y" type="xs:float" use="required" />

```

```
252         <xs:attribute name="Z" type="xs:float" use="required" />
253     </xs:complexType>
254 </xs:element>
255 </xs:sequence>
256 </xs:complexType>
257 </xs:element>
258 <xs:element name="Kind" minOccurs="1" maxOccurs="1">
259     <xs:simpleType>
260         <xs:restriction base="xs:string">
261             <xs:enumeration value="Decoration" />
262             <xs:enumeration value="Light" />
263             <xs:enumeration value="VideoProjector" />
264             <xs:enumeration value="VideoPanel" />
265             <xs:enumeration value="Laser" />
266         </xs:restriction>
267     </xs:simpleType>
268 </xs:element>
269 <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
270     <xs:complexType>
271         <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
272         <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
273     </xs:complexType>
274 </xs:element>
275 <xs:element name="Colours" minOccurs="0" maxOccurs="1">
276     <xs:complexType>
277         <xs:sequence>
278             <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
279             <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
280             <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
281             <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
282             <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
283             <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
284             <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
285             <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
286             <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
287         </xs:sequence>
288     </xs:complexType>
289 </xs:element>
290 <xs:element name="ColourMixing" minOccurs="1" maxOccurs="1">
291     <xs:complexType>
292         <xs:sequence>
293             <xs:element name="ShutterRelation" minOccurs="1" maxOccurs="1">
294                 <xs:simpleType>
295                     <xs:restriction base="xs:string">
296                         <xs:enumeration value="Separated" />
297                         <xs:enumeration value="Integrated" />
298                     </xs:restriction>
299                 </xs:simpleType>
300             </xs:element>
301             <xs:element name="CIE" minOccurs="0" maxOccurs="1">
302                 <xs:complexType>
303                     <xs:attribute name="ChromaticityXMin" type="cef:tChromaticityValue" use="required" />
304                     <xs:attribute name="ChromaticityXMax" type="cef:tChromaticityValue" use="required" />
305                     <xs:attribute name="ChromaticityYMin" type="cef:tChromaticityValue" use="required" />
306                     <xs:attribute name="ChromaticityYMax" type="cef:tChromaticityValue" use="required" />
307                 </xs:complexType>
308             </xs:element>
309         </xs:sequence>
310     </xs:complexType>
311 </xs:element>
312 <xs:element name="Optics" minOccurs="0" maxOccurs="unbounded">
```

```
252         <xs:attribute name="Z" type="xs:float" use="required" />
253     </xs:complexType>
254 </xs:element>
255 </xs:sequence>
256 </xs:complexType>
257 </xs:element>
258 <xs:element name="Kind" minOccurs="1" maxOccurs="1">
259     <xs:simpleType>
260         <xs:restriction base="xs:string">
261             <xs:enumeration value="Decoration" />
262             <xs:enumeration value="Light" />
263             <xs:enumeration value="VideoProjector" />
264             <xs:enumeration value="VideoPanel" />
265             <xs:enumeration value="Laser" />
266         </xs:restriction>
267     </xs:simpleType>
268 </xs:element>
269 <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
270     <xs:complexType>
271         <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
272         <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
273     </xs:complexType>
274 </xs:element>
275 <xs:element name="Colours" minOccurs="0" maxOccurs="1">
276     <xs:complexType>
277         <xs:sequence>
278             <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
279             <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
280             <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
281             <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
282             <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
283             <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
284             <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
285             <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
286             <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
287         </xs:sequence>
288     </xs:complexType>
289 </xs:element>
290 <xs:element name="ColourMixing" minOccurs="1" maxOccurs="1">
291     <xs:complexType>
292         <xs:sequence>
293             <xs:element name="ShutterRelation" minOccurs="1" maxOccurs="1">
294                 <xs:simpleType>
295                     <xs:restriction base="xs:string">
296                         <xs:enumeration value="Separated" />
297                         <xs:enumeration value="Integrated" />
298                     </xs:restriction>
299                 </xs:simpleType>
300             </xs:element>
301             <xs:element name="CIE" minOccurs="0" maxOccurs="1">
302                 <xs:complexType>
303                     <xs:attribute name="ChromaticityXMin" type="cef:tChromaticityValue" use="required" />
304                     <xs:attribute name="ChromaticityXMax" type="cef:tChromaticityValue" use="required" />
305                     <xs:attribute name="ChromaticityYMin" type="cef:tChromaticityValue" use="required" />
306                     <xs:attribute name="ChromaticityYMax" type="cef:tChromaticityValue" use="required" />
307                 </xs:complexType>
308             </xs:element>
309         </xs:sequence>
310     </xs:complexType>
311 </xs:element>
312 <xs:element name="Optics" minOccurs="0" maxOccurs="unbounded">
```

```

313     <xs:complexType>
314     <xs:sequence>
315     <xs:element name="Wattage" type="xs:float" minOccurs="1" maxOccurs="1" />
316     <xs:element name="Shift" minOccurs="0" maxOccurs="1">
317     <xs:complexType>
318     <xs:sequence>
319     <xs:element name="MaxHorizontal" type="cef:tPositiveFloat" minOccurs="1" max
Occurs="1" />
320     <xs:element name="MaxVerticalNegative" type="cef:tPositiveFloat" minOccurs="
1" maxOccurs="1" />
321     <xs:element name="MaxVerticalPositive" type="cef:tPositiveFloat" minOccurs="
1" maxOccurs="1" />
322     </xs:sequence>
323     </xs:complexType>
324     </xs:element>
325     <xs:element name="Narrow" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0"
maxOccurs="1" />
326     <xs:element name="Wide" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" ma
xOccurs="1" />
327     </xs:sequence>
328     <xs:attribute name="Identifier" type="xs:string" use="required"/>
329     <xs:attribute name="Name" type="xs:string" use="required"/>
330     </xs:complexType>
331     </xs:element>
332     <xs:element name="ApertureType" minOccurs="1" maxOccurs="1">
333     <xs:simpleType>
334     <xs:restriction base="xs:string">
335     <xs:enumeration value="RoundProfile" />
336     <xs:enumeration value="SquareSharp" />
337     <xs:enumeration value="RoundPC" />
338     <xs:enumeration value="RoundFresnel" />
339     <xs:enumeration value="RoundPAR" />
340     <xs:enumeration value="SquareSymmetric" />
341     <xs:enumeration value="SquareAssymetric" />
342     <xs:enumeration value="RoundLambertian" />
343     <xs:enumeration value="SquareLambertian" />
344     <xs:enumeration value="SquarePanel" />
345     <xs:enumeration value="DonutLambertian" />
346     <xs:enumeration value="DonutSymmetric" />
347     <xs:enumeration value="RoundBeam" />
348     <xs:enumeration value="Spherical" />
349     </xs:restriction>
350     </xs:simpleType>
351     </xs:element>
352     <xs:element name="Aperture" minOccurs="0" maxOccurs="unbounded">
353     <xs:complexType>
354     <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
355     <xs:attribute name="X" type="xs:float" use="required" />
356     <xs:attribute name="Y" type="xs:float" use="required" />
357     <xs:attribute name="Diameter" type="xs:float" use="optional" />
358     <xs:attribute name="Width" type="xs:float" use="optional" />
359     <xs:attribute name="Height" type="xs:float" use="optional" />
360     <xs:attribute name="PixelPitch" type="xs:float" use="optional" />
361     <xs:attribute name="PixelSize" type="xs:float" use="optional" />
362     <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
363     <xs:attribute name="OuterDiameter" type="xs:float" use="optional" />
364     <xs:attribute name="StartAngle" type="xs:float" use="optional" />
365     <xs:attribute name="EndAngle" type="xs:float" use="optional" />
366     </xs:complexType>
367     </xs:element>
368     </xs:sequence>
369     <xs:attribute name="Name" type="xs:string" use="optional"/>
370     </xs:complexType>
371     </xs:element>
372     <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
373     <xs:complexType>
374     <xs:sequence>
375     <xs:element name="Type" minOccurs="1" maxOccurs="1">
376     <xs:simpleType>
377     <xs:restriction base="xs:string">
378     <xs:enumeration value="Wheel" />
379     <xs:enumeration value="Scroller" />
380     </xs:restriction>
381     </xs:simpleType>

```

```

313     <xs:complexType>
314     <xs:sequence>
315     <xs:element name="Wattage" type="xs:float" minOccurs="1" maxOccurs="1" />
316     <xs:element name="Shift" minOccurs="0" maxOccurs="1">
317     <xs:complexType>
318     <xs:sequence>
319     <xs:element name="MaxHorizontal" type="cef:tPositiveFloat" minOccurs="1" max
Occurs="1" />
320     <xs:element name="MaxVerticalNegative" type="cef:tPositiveFloat" minOccurs="
1" maxOccurs="1" />
321     <xs:element name="MaxVerticalPositive" type="cef:tPositiveFloat" minOccurs="
1" maxOccurs="1" />
322     </xs:sequence>
323     </xs:complexType>
324     </xs:element>
325     <xs:element name="Narrow" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0"
maxOccurs="1" />
326     <xs:element name="Wide" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" ma
xOccurs="1" />
327     </xs:sequence>
328     <xs:attribute name="Identifier" type="xs:string" use="required"/>
329     <xs:attribute name="Name" type="xs:string" use="required"/>
330     </xs:complexType>
331     </xs:element>
332     <xs:element name="ApertureType" minOccurs="1" maxOccurs="1">
333     <xs:simpleType>
334     <xs:restriction base="xs:string">
335     <xs:enumeration value="RoundProfile" />
336     <xs:enumeration value="SquareSharp" />
337     <xs:enumeration value="RoundPC" />
338     <xs:enumeration value="RoundFresnel" />
339     <xs:enumeration value="RoundPAR" />
340     <xs:enumeration value="SquareSymmetric" />
341     <xs:enumeration value="SquareAssymetric" />
342     <xs:enumeration value="RoundLambertian" />
343     <xs:enumeration value="SquareLambertian" />
344     <xs:enumeration value="SquarePanel" />
345     <xs:enumeration value="DonutLambertian" />
346     <xs:enumeration value="DonutSymmetric" />
347     <xs:enumeration value="RoundBeam" />
348     <xs:enumeration value="Spherical" />
349     </xs:restriction>
350     </xs:simpleType>
351     </xs:element>
352     <xs:element name="Aperture" minOccurs="0" maxOccurs="unbounded">
353     <xs:complexType>
354     <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
355     <xs:attribute name="X" type="xs:float" use="required" />
356     <xs:attribute name="Y" type="xs:float" use="required" />
357     <xs:attribute name="Diameter" type="xs:float" use="optional" />
358     <xs:attribute name="Width" type="xs:float" use="optional" />
359     <xs:attribute name="Height" type="xs:float" use="optional" />
360     <xs:attribute name="PixelPitch" type="xs:float" use="optional" />
361     <xs:attribute name="PixelSize" type="xs:float" use="optional" />
362     <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
363     <xs:attribute name="OuterDiameter" type="xs:float" use="optional" />
364     <xs:attribute name="StartAngle" type="xs:float" use="optional" />
365     <xs:attribute name="EndAngle" type="xs:float" use="optional" />
366     </xs:complexType>
367     </xs:element>
368     </xs:sequence>
369     <xs:attribute name="Name" type="xs:string" use="optional"/>
370     </xs:complexType>
371     </xs:element>
372     <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
373     <xs:complexType>
374     <xs:sequence>
375     <xs:element name="Type" minOccurs="1" maxOccurs="1">
376     <xs:simpleType>
377     <xs:restriction base="xs:string">
378     <xs:enumeration value="Wheel" />
379     <xs:enumeration value="Scroller" />
380     </xs:restriction>
381     </xs:simpleType>

```

```

382 </xs:element>
383 <xs:element name="MinRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
384 <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
385 <xs:element name="MinFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
386 <xs:element name="MaxFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
387 <xs:element name="Slots">
388 <xs:complexType>
389 <xs:choice minOccurs="0" maxOccurs="unbounded">
390 <xs:element name="Open">
391 <xs:complexType></xs:complexType>
392 </xs:element>
393 <xs:element name="Filter">
394 <xs:complexType>
395 <xs:attribute name="Identfier" type="xs:string" use="required"/>
396 <xs:attribute name="Brand" type="xs:string" use="required"/>
397 <xs:attribute name="Code" type="xs:string" use="optional"/>
398 <xs:attribute name="Name" type="xs:string" use="optional"/>
399 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
400 <xs:attribute name="Origin" type="xs:string" use="optional"/>
401 </xs:complexType>
402 </xs:element>
403 <xs:element name="Gobo">
404 <xs:complexType>
405 <xs:attribute name="Identfier" type="xs:string" use="required"/>
406 <xs:attribute name="Brand" type="xs:string" use="required"/>
407 <xs:attribute name="Code" type="xs:string" use="optional"/>
408 <xs:attribute name="Name" type="xs:string" use="optional"/>
409 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
410 <xs:attribute name="Origin" type="xs:string" use="optional"/>
411 <xs:attribute name="Type" type="cef:tGoboType" use="required"/>
412 </xs:complexType>
413 </xs:element>
414 </xs:choice>
415 </xs:complexType>
416 </xs:element>
417 </xs:sequence>
418 <xs:attribute name="Identfier" type="xs:string" use="required"/>
419 <xs:attribute name="Name" type="xs:string" use="required"/>
420 <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
421 </xs:complexType>
422 </xs:element>
423 <xs:element name="DmxMode" minOccurs="0" maxOccurs="unbounded">
424 <xs:complexType>
425 <xs:sequence>
426 <xs:element name="Option" minOccurs="0" maxOccurs="unbounded">
427 <xs:complexType>
428 <xs:attribute name="Name" type="xs:string" use="required" />
429 <xs:attribute name="Type" use="required">
430 <xs:simpleType>
431 <xs:restriction base="xs:string">
432 <xs:enumeration value="Integer" />
433 <xs:enumeration value="Boolean" />
434 <xs:enumeration value="Text" />
435 </xs:restriction>
436 </xs:simpleType>
437 </xs:attribute>
438 <xs:attribute name="Value" type="xs:string" use="required" />
439 </xs:complexType>
440 </xs:element>
441 <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
442 <xs:complexType>
443 <xs:sequence>
444 <xs:element name="Channel" minOccurs="0" maxOccurs="512">
445 <xs:complexType>
446 <xs:choice minOccurs="0" maxOccurs="unbounded">
447 <!-- Additive light output -->
448 <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimpleCellLevelCom
mand" minOccurs="0" maxOccurs="unbounded" />
449 <xs:element name="SetLightEnabled" type="cef:tSetCellLightEnabledCommand" mi
nOccurs="0" maxOccurs="unbounded" />
450 <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
451 <xs:element name="SetLightColorRenderingIndex" type="cef:tSetCellLightColorR
enderingIndexLevelCommand" minOccurs="0" maxOccurs="unbounded" />

```

```

382 </xs:element>
383 <xs:element name="MinRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
384 <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
385 <xs:element name="MinFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
386 <xs:element name="MaxFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
387 <xs:element name="Slots">
388 <xs:complexType>
389 <xs:choice minOccurs="0" maxOccurs="unbounded">
390 <xs:element name="Open">
391 <xs:complexType></xs:complexType>
392 </xs:element>
393 <xs:element name="Filter">
394 <xs:complexType>
395 <xs:attribute name="Identfier" type="xs:string" use="required"/>
396 <xs:attribute name="Brand" type="xs:string" use="required"/>
397 <xs:attribute name="Code" type="xs:string" use="optional"/>
398 <xs:attribute name="Name" type="xs:string" use="optional"/>
399 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
400 <xs:attribute name="Origin" type="xs:string" use="optional"/>
401 </xs:complexType>
402 </xs:element>
403 <xs:element name="Gobo">
404 <xs:complexType>
405 <xs:attribute name="Identfier" type="xs:string" use="required"/>
406 <xs:attribute name="Brand" type="xs:string" use="required"/>
407 <xs:attribute name="Code" type="xs:string" use="optional"/>
408 <xs:attribute name="Name" type="xs:string" use="optional"/>
409 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
410 <xs:attribute name="Origin" type="xs:string" use="optional"/>
411 <xs:attribute name="Type" type="cef:tGoboType" use="required"/>
412 </xs:complexType>
413 </xs:element>
414 </xs:choice>
415 </xs:complexType>
416 </xs:element>
417 </xs:sequence>
418 <xs:attribute name="Identfier" type="xs:string" use="required"/>
419 <xs:attribute name="Name" type="xs:string" use="required"/>
420 <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
421 </xs:complexType>
422 </xs:element>
423 <xs:element name="DmxMode" minOccurs="0" maxOccurs="unbounded">
424 <xs:complexType>
425 <xs:sequence>
426 <xs:element name="Option" minOccurs="0" maxOccurs="unbounded">
427 <xs:complexType>
428 <xs:attribute name="Name" type="xs:string" use="required" />
429 <xs:attribute name="Type" use="required">
430 <xs:simpleType>
431 <xs:restriction base="xs:string">
432 <xs:enumeration value="Integer" />
433 <xs:enumeration value="Boolean" />
434 <xs:enumeration value="Text" />
435 </xs:restriction>
436 </xs:simpleType>
437 </xs:attribute>
438 <xs:attribute name="Value" type="xs:string" use="required" />
439 </xs:complexType>
440 </xs:element>
441 <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
442 <xs:complexType>
443 <xs:sequence>
444 <xs:element name="Channel" minOccurs="0" maxOccurs="512">
445 <xs:complexType>
446 <xs:choice minOccurs="0" maxOccurs="unbounded">
447 <!-- Additive light output -->
448 <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimpleCellLevelCom
mand" minOccurs="0" maxOccurs="unbounded" />
449 <xs:element name="SetLightEnabled" type="cef:tSetCellLightEnabledCommand" mi
nOccurs="0" maxOccurs="unbounded" />
450 <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
451 <xs:element name="SetLightColorRenderingIndex" type="cef:tSetCellLightColorR
enderingIndexLevelCommand" minOccurs="0" maxOccurs="unbounded" />

```







```
525 <xs:element name="CustomWheelCommand" type="cef:tCustomWheelCommand" minOccu
rs="0" maxOccurs="unbounded" />
526 <!-- Framing shutters -->
527 <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShutterDepthC
ommand" minOccurs="0" maxOccurs="unbounded" />
528 <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShutterAngleC
ommand" minOccurs="0" maxOccurs="unbounded" />
529 <xs:element name="SetFramingShutterADepth" type="cef:tSetFramingShutterDepth
Command" minOccurs="0" maxOccurs="unbounded" />
530 <xs:element name="SetFramingShutterBDepth" type="cef:tSetFramingShutterDepth
Command" minOccurs="0" maxOccurs="unbounded" />
531 <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetFramingShutte
rPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
532 <xs:element name="CustomFramingShuttersCommand" type="cef:tCustomCommand" mi
nOccurs="0" maxOccurs="unbounded" />
533 <!-- Motion -->
534 <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" minOccurs="0"
maxOccurs="unbounded" />
535 <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand" minOccurs="0"
maxOccurs="unbounded" />
536 <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" maxOccurs="un
bounded" />
537 <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0" maxOccurs="u
nbounded" />
538 <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0" maxOccurs="
unbounded" />
539 <xs:element name="SetPanDirection" type="cef:tSetMotionDirectionCommand" min
Occurs="0" maxOccurs="unbounded" />
540 <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectionCommand" mi
nOccurs="0" maxOccurs="unbounded" />
541 <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
maxOccurs="unbounded" />
542 <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
maxOccurs="unbounded" />
543 <xs:element name="SetVectorPosition" type="cef:tSetVectorPositionCommand" mi
nOccurs="0" maxOccurs="unbounded" />
544 <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand" minOccurs="
0" maxOccurs="unbounded" />
545 <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" minOccurs="0"
maxOccurs="unbounded" />
546 <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffCommand" minO
ccurs="0" maxOccurs="unbounded" />
547 <xs:element name="CustomMotionCommand" type="cef:tCustomCommand" minOccurs="
0" maxOccurs="unbounded" />
```

```
528 <xs:element name="CustomWheelCommand" type="cef:tCustomWheelCommand" minOccu
rs="0" maxOccurs="unbounded" />
529 <!-- Framing shutters -->
530 <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShutterDepthC
ommand" minOccurs="0" maxOccurs="unbounded" />
531 <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShutterAngleC
ommand" minOccurs="0" maxOccurs="unbounded" />
532 <xs:element name="SetFramingShutterADepth" type="cef:tSetFramingShutterDepth
Command" minOccurs="0" maxOccurs="unbounded" />
533 <xs:element name="SetFramingShutterBDepth" type="cef:tSetFramingShutterDepth
Command" minOccurs="0" maxOccurs="unbounded" />
534 <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetFramingShutte
rPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
535 <xs:element name="CustomFramingShuttersCommand" type="cef:tCustomCommand" mi
nOccurs="0" maxOccurs="unbounded" />
536 <!-- Motion -->
537 <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" minOccurs="0"
maxOccurs="unbounded" />
538 <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand" minOccurs="0"
maxOccurs="unbounded" />
539 <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" maxOccurs="un
bounded" />
540 <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0" maxOccurs="u
nbounded" />
541 <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0" maxOccurs="
unbounded" />
542 <xs:element name="SetPanDirection" type="cef:tSetMotionDirectionCommand" min
Occurs="0" maxOccurs="unbounded" />
543 <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectionCommand" mi
nOccurs="0" maxOccurs="unbounded" />
544 <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
maxOccurs="unbounded" />
545 <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
maxOccurs="unbounded" />
546 <xs:element name="SetVectorPosition" type="cef:tSetVectorPositionCommand" mi
nOccurs="0" maxOccurs="unbounded" />
547 <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand" minOccurs="
0" maxOccurs="unbounded" />
548 <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" minOccurs="0"
maxOccurs="unbounded" />
549 <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffCommand" minO
ccurs="0" maxOccurs="unbounded" />
550 <xs:element name="CustomMotionCommand" type="cef:tCustomCommand" minOccurs="
0" maxOccurs="unbounded" />
551 <!-- Effects -->
552 <xs:element name="SelectMacroCatalog" type="cef:tSelectMacroCatalogCommand"
minOccurs="0" maxOccurs="unbounded" />
553 <xs:element name="SelectMacro" type="cef:tSelectMacroCommand" minOccurs="0"
maxOccurs="unbounded" />
554 <xs:element name="MacroParameterCommand" type="cef:tMacroParameterCommand" m
inOccurs="0" maxOccurs="unbounded" />
555 <xs:element name="SetMacroIntensityLevel" type="cef:tSimpleLevelCommand" min
Occurs="0" maxOccurs="unbounded" />
556 <xs:element name="SetMacroColorRedLevel" type="cef:tSimpleLevelCommand" minO
ccurs="0" maxOccurs="unbounded" />
557 <xs:element name="SetMacroColorGreenLevel" type="cef:tSimpleLevelCommand" mi
nOccurs="0" maxOccurs="unbounded" />
558 <xs:element name="SetMacroColorBlueLevel" type="cef:tSimpleLevelCommand" min
Occurs="0" maxOccurs="unbounded" />
559 <xs:element name="SetMacroColorWhiteLevel" type="cef:tSimpleLevelCommand" mi
nOccurs="0" maxOccurs="unbounded" />
560 <xs:element name="SetMacroShutterOpen" type="cef:tSimpleCommand" minOccurs="
0" maxOccurs="unbounded" />
561 <xs:element name="SetMacroShutterClosed" type="cef:tSimpleCommand" minOccurs
="0" maxOccurs="unbounded" />
562 <xs:element name="SetMacroShutterStrobe" type="cef:tSimpleStrobeCommand" min
Occurs="0" maxOccurs="unbounded" />
563 <xs:element name="SetMacroShutterSpeed" type="cef:tSimpleSpeedCommand" minOc
curs="0" maxOccurs="unbounded" />
564 <xs:element name="SetMacroSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0"
maxOccurs="unbounded" />
565 <xs:element name="SetMacroDirection" type="cef:tSetMacroDirectionCommand" mi
nOccurs="0" maxOccurs="unbounded" />
566 <xs:element name="SetMacroRotationPosition" type="cef:tSetMacroRotationPosit
```

```
548 <!-- Specials -->
549 <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
550 <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
551 <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" minOccurs="0" maxOccurs="unbounded" />
552 <xs:element name="CustomLampCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
553 <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
554 <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
555 <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
556 <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minOccurs="0" maxOccurs="unbounded" />
557 <xs:element name="CustomFanCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
558 <xs:element name="Reset" type="cef:tResetCommand" minOccurs="0" maxOccurs="unbounded" />
559 <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
560 <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
561 <xs:element name="CustomCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
562 <xs:element name="SetPreset" type="cef:tPresetCommand" minOccurs="0" maxOccurs="unbounded" />
563 <xs:element name="SetPresetScroll" type="cef:tPresetScrollCommand" minOccurs="0" maxOccurs="unbounded" />
564 <xs:element name="SetPresetScrollSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
565 <xs:element name="Macro" type="cef:tTextCommand" minOccurs="0" maxOccurs="unbounded" />
566 </xs:choice>
567 <xs:attribute name="Type" use="required">
568 <xs:simpleType>
569 <xs:restriction base="xs:string">
570 <xs:enumeration value="8Bit" />
571 <xs:enumeration value="16BitMsb" />
572 <xs:enumeration value="16BitLsb" />
573 </xs:restriction>
574 </xs:simpleType>
575 </xs:attribute>
576 <xs:attribute name="OsChannelIndex" use="optional" type="xs:unsignedInt" />
577 <xs:attribute name="ExternalModeStart" use="optional" type="xs:string" />
578 <xs:attribute name="Name" use="required"/>
579 <xs:attribute name="ShortName" use="optional"/>
580 <xs:attribute name="DefaultLevel" use="optional"/>
581 <xs:attribute name="DefaultLevelType" use="optional">
582 <xs:simpleType>
583 <xs:restriction base="xs:string">
584 <xs:enumeration value="Explicit" />
585 <xs:enumeration value="Computed" />
586 </xs:restriction>
587 </xs:simpleType>
```

```
ionCommand" minOccurs="0" maxOccurs="unbounded" />
567 <xs:element name="SetMacroRotationSpin" type="cef:tSetMacroRotationSpinCommand" minOccurs="0" maxOccurs="unbounded" />
568 <xs:element name="SetMacroRotationDirection" type="cef:tSetMacroRotationDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
569 <xs:element name="SetMacroFadeTime" type="cef:tSetMacroFadeTimeCommand" minOccurs="0" maxOccurs="unbounded" />
570 <xs:element name="CustomMacroCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
571 <!-- Specials -->
572 <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
573 <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
574 <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" minOccurs="0" maxOccurs="unbounded" />
575 <xs:element name="CustomLampCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
576 <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
577 <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
578 <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
579 <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minOccurs="0" maxOccurs="unbounded" />
580 <xs:element name="CustomFanCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
581 <xs:element name="Reset" type="cef:tResetCommand" minOccurs="0" maxOccurs="unbounded" />
582 <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
583 <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
584 <xs:element name="CustomCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
585 <xs:element name="SetPreset" type="cef:tPresetCommand" minOccurs="0" maxOccurs="unbounded" />
586 <xs:element name="SetPresetScroll" type="cef:tPresetScrollCommand" minOccurs="0" maxOccurs="unbounded" />
587 <xs:element name="SetPresetScrollSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
588 <xs:element name="Macro" type="cef:tTextCommand" minOccurs="0" maxOccurs="unbounded" />
589 </xs:choice>
590 <xs:attribute name="Type" use="required">
591 <xs:simpleType>
592 <xs:restriction base="xs:string">
593 <xs:enumeration value="8Bit" />
594 <xs:enumeration value="16BitMsb" />
595 <xs:enumeration value="16BitLsb" />
596 </xs:restriction>
597 </xs:simpleType>
598 </xs:attribute>
599 <xs:attribute name="OsChannelIndex" type="xs:unsignedInt" use="optional" />
600 <xs:attribute name="ExternalModeStart" type="xs:string" use="optional" />
601 <xs:attribute name="GroupName" type="xs:string" use="optional"/>
602 <xs:attribute name="Name" type="xs:string" use="required"/>
603 <xs:attribute name="ShortName" type="xs:string" use="optional"/>
604 <xs:attribute name="Cells" use="optional">
605 <xs:simpleType>
606 <xs:restriction base="xs:string">
607 <xs:pattern value="\d+(-\d+)?(,\d+(-\d+)?)*" />
608 </xs:restriction>
609 </xs:simpleType>
610 </xs:attribute>
611 <xs:attribute name="DefaultLevel" type="xs:unsignedInt" use="optional"/>
612 <xs:attribute name="DefaultLevelType" use="optional">
613 <xs:simpleType>
614 <xs:restriction base="xs:string">
615 <xs:enumeration value="Explicit" />
616 <xs:enumeration value="Computed" />
617 </xs:restriction>
618 </xs:simpleType>
```

```

588         </xs:attribute>
589         <xs:attribute name="LocateLevel" use="optional"/>
590     </xs:complexType>
591 </xs:element>
592 </xs:sequence>
593 </xs:complexType>
594 </xs:element>
595 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
596     <xs:complexType>
597         <xs:sequence minOccurs="1" maxOccurs="unbounded">
598             <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
599                 <xs:complexType>
600                     <xs:sequence>
601                         <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
602                             <xs:complexType>
603                                 <xs:attribute name="ChannelIndex" type="xs:unsignedInt" use="required" />
604                                 <xs:attribute name="DMX" type="xs:int" use="required" />
605                             </xs:complexType>
606                         </xs:element>
607                     </xs:sequence>
608                     <xs:attribute name="Time" type="xs:float" use="required" />
609                 </xs:complexType>
610             </xs:element>
611         </xs:sequence>
612         <xs:attribute name="Type" use="required">
613             <xs:simpleType>
614                 <xs:restriction base="xs:string">
615                     <xs:enumeration value="Custom" />
616                     <xs:enumeration value="Lock" />
617                     <xs:enumeration value="Unlock" />
618                     <xs:enumeration value="LampOn" />
619                     <xs:enumeration value="LampOff" />
620                     <xs:enumeration value="LampModeNormal" />
621                     <xs:enumeration value="LampModeLowPower" />
622                     <xs:enumeration value="ResetComplete" />
623                     <xs:enumeration value="ResetPanTilt" />
624                     <xs:enumeration value="ResetColour" />
625                     <xs:enumeration value="ResetGobo" />
626                     <xs:enumeration value="ResetStrobe" />
627                     <xs:enumeration value="ResetFocus" />
628                     <xs:enumeration value="ResetZoom" />
629                     <xs:enumeration value="ResetFrost" />
630                     <xs:enumeration value="ResetIris" />
631                     <xs:enumeration value="ResetAllInternal" />
632                     <xs:enumeration value="FanModeSlow" />
633                     <xs:enumeration value="FanModeFast" />
634                 </xs:restriction>
635             </xs:simpleType>
636         </xs:attribute>
637         <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
638         <xs:attribute name="CustomName" type="xs:string" use="optional" />
639     </xs:complexType>
640 </xs:element>
641 </xs:sequence>
642 <xs:attribute name="Identifier" type="xs:string" use="required"/>
643 <xs:attribute name="Name" type="xs:string" use="required"/>
644 <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>
645 <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
646 <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
647 </xs:complexType>
648 </xs:element>
649 </xs:sequence>
650 <xs:attribute name="Identifier" type="xs:string" use="required"/>
651 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
652 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
653 <xs:attribute name="Brand" type="xs:string" use="required"/>
654 <xs:attribute name="Name" type="xs:string" use="required"/>
655 <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
656 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
657 </xs:complexType>
658
659 <xs:complexType name="tFixtureColorFlag">
660     <xs:sequence>
661         <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />

```

```

619         </xs:attribute>
620         <xs:attribute name="LocateLevel" type="xs:unsignedInt" use="optional"/>
621     </xs:complexType>
622 </xs:element>
623 </xs:sequence>
624 </xs:complexType>
625 </xs:element>
626 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
627     <xs:complexType>
628         <xs:sequence minOccurs="1" maxOccurs="unbounded">
629             <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
630                 <xs:complexType>
631                     <xs:sequence>
632                         <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
633                             <xs:complexType>
634                                 <xs:attribute name="ChannelIndex" type="xs:unsignedInt" use="required" />
635                                 <xs:attribute name="DMX" type="xs:int" use="required" />
636                             </xs:complexType>
637                         </xs:element>
638                     </xs:sequence>
639                     <xs:attribute name="Time" type="xs:float" use="required" />
640                 </xs:complexType>
641             </xs:element>
642         </xs:sequence>
643         <xs:attribute name="Type" use="required">
644             <xs:simpleType>
645                 <xs:restriction base="xs:string">
646                     <xs:enumeration value="Custom" />
647                     <xs:enumeration value="Lock" />
648                     <xs:enumeration value="Unlock" />
649                     <xs:enumeration value="LampOn" />
650                     <xs:enumeration value="LampOff" />
651                     <xs:enumeration value="LampModeNormal" />
652                     <xs:enumeration value="LampModeLowPower" />
653                     <xs:enumeration value="ResetComplete" />
654                     <xs:enumeration value="ResetPanTilt" />
655                     <xs:enumeration value="ResetColour" />
656                     <xs:enumeration value="ResetGobo" />
657                     <xs:enumeration value="ResetStrobe" />
658                     <xs:enumeration value="ResetFocus" />
659                     <xs:enumeration value="ResetZoom" />
660                     <xs:enumeration value="ResetFrost" />
661                     <xs:enumeration value="ResetIris" />
662                     <xs:enumeration value="ResetAllInternal" />
663                     <xs:enumeration value="FanModeSlow" />
664                     <xs:enumeration value="FanModeFast" />
665                 </xs:restriction>
666             </xs:simpleType>
667         </xs:attribute>
668         <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
669         <xs:attribute name="CustomName" type="xs:string" use="optional" />
670     </xs:complexType>
671 </xs:element>
672 </xs:sequence>
673 <xs:attribute name="Identifier" type="xs:string" use="required"/>
674 <xs:attribute name="Name" type="xs:string" use="required"/>
675 <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>
676 <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
677 <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
678 </xs:complexType>
679 </xs:element>
680 </xs:sequence>
681 <xs:attribute name="Identifier" type="xs:string" use="required"/>
682 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
683 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
684 <xs:attribute name="Brand" type="xs:string" use="required"/>
685 <xs:attribute name="Name" type="xs:string" use="required"/>
686 <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
687 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
688 </xs:complexType>
689
690 <xs:complexType name="tFixtureColorFlag">
691     <xs:sequence>
692         <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />

```

```

662     <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
663 </xs:sequence>
664 </xs:complexType>
665
666 <xs:simpleType name="tFixtureAxisName">
667   <xs:restriction base="xs:string">
668     <xs:enumeration value="Pan" />
669     <xs:enumeration value="Tilt" />
670     <xs:enumeration value="Pitch" />
671   </xs:restriction>
672 </xs:simpleType>
673
674 <xs:complexType name="tFixtureLightSourceColour">
675   <xs:sequence>
676     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
677       <xs:complexType>
678         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
679         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
680         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
681       </xs:complexType>
682     </xs:element>
683     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
684       <xs:complexType>
685         <xs:attribute name="x" type="xs:float" use="required" />
686         <xs:attribute name="y" type="xs:float" use="required" />
687         <xs:attribute name="Y" type="xs:float" use="required" />
688       </xs:complexType>
689     </xs:element>
690   </xs:sequence>
691   <xs:attribute name="Name" type="xs:string" use="optional" />
692 </xs:complexType>
693
694 <xs:complexType name="tFixtureLightSourceOpticTraits">
695   <xs:sequence>
696     <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
697     <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
698     <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
699       <xs:complexType>
700         <xs:sequence>
701           <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
702         </xs:sequence>
703       </xs:complexType>
704     </xs:element>
705   </xs:sequence>
706 </xs:complexType>
707
708 <!-- Media server -->
709 <xs:complexType name="tMediaServer">
710   <xs:sequence>
711     <xs:element name="Layers" minOccurs="1" maxOccurs="1">
712       <xs:complexType>
713         <xs:sequence>
714           <xs:element name="Layer" type="cef:tMediaServerLayer" minOccurs="0" maxOccurs="unbounded"
715 " />
716         </xs:sequence>
717       </xs:complexType>
718     </xs:element>
719     <xs:element name="Lists" minOccurs="1" maxOccurs="1">
720       <xs:complexType>
721         <xs:sequence>
722           <xs:element name="List" type="cef:tMediaServerList" minOccurs="0" maxOccurs="unbounded"
723 />
724         </xs:sequence>
725       </xs:complexType>
726     </xs:element>
727     <xs:attribute name="Identifier" type="xs:string" use="required"/>
728     <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
729     <xs:attribute name="VersionDate" type="xs:date" use="required"/>
730     <xs:attribute name="Brand" type="xs:string" use="required" />
731     <xs:attribute name="Name" type="xs:string" use="required" />
732 </xs:complexType>
733 <xs:complexType name="tMediaServerLayer">
693     <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
694 </xs:sequence>
695 </xs:complexType>
696
697 <xs:simpleType name="tFixtureAxisName">
698   <xs:restriction base="xs:string">
699     <xs:enumeration value="Pan" />
700     <xs:enumeration value="Tilt" />
701     <xs:enumeration value="Pitch" />
702   </xs:restriction>
703 </xs:simpleType>
704
705 <xs:complexType name="tFixtureLightSourceColour">
706   <xs:sequence>
707     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
708       <xs:complexType>
709         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
710         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
711         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
712       </xs:complexType>
713     </xs:element>
714     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
715       <xs:complexType>
716         <xs:attribute name="x" type="xs:float" use="required" />
717         <xs:attribute name="y" type="xs:float" use="required" />
718         <xs:attribute name="Y" type="xs:float" use="required" />
719       </xs:complexType>
720     </xs:element>
721   </xs:sequence>
722   <xs:attribute name="Name" type="xs:string" use="optional" />
723 </xs:complexType>
724
725 <xs:complexType name="tFixtureLightSourceOpticTraits">
726   <xs:sequence>
727     <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
728     <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
729     <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
730       <xs:complexType>
731         <xs:sequence>
732           <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
733         </xs:sequence>
734       </xs:complexType>
735     </xs:element>
736   </xs:sequence>
737 </xs:complexType>
738
739 <!-- Media server -->
740 <xs:complexType name="tMediaServer">
741   <xs:sequence>
742     <xs:element name="Layers" minOccurs="1" maxOccurs="1">
743       <xs:complexType>
744         <xs:sequence>
745           <xs:element name="Layer" type="cef:tMediaServerLayer" minOccurs="0" maxOccurs="unbounded"
746 " />
747         </xs:sequence>
748       </xs:complexType>
749     </xs:element>
750     <xs:element name="Lists" minOccurs="1" maxOccurs="1">
751       <xs:complexType>
752         <xs:sequence>
753           <xs:element name="List" type="cef:tMediaServerList" minOccurs="0" maxOccurs="unbounded"
754 />
755         </xs:sequence>
756       </xs:complexType>
757     </xs:element>
758     <xs:attribute name="Identifier" type="xs:string" use="required"/>
759     <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
760     <xs:attribute name="VersionDate" type="xs:date" use="required"/>
761     <xs:attribute name="Brand" type="xs:string" use="required" />
762     <xs:attribute name="Name" type="xs:string" use="required" />
763 </xs:complexType>
764 <xs:complexType name="tMediaServerLayer">

```

```

734 <xs:sequence>
735   <xs:element name="Channels" minOccurs="1" maxOccurs="1">
736     <xs:complexType>
737       <xs:sequence>
738         <xs:element name="Channel" minOccurs="1" maxOccurs="512">
739           <xs:complexType>
740             <xs:choice minOccurs="0" maxOccurs="unbounded">
741               <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
742               <xs:element name="Range" type="cef:tMediaServerRange" />
743               <xs:element name="Snap" type="cef:tMediaServerSnap" />
744             </xs:choice>
745             <xs:attribute name="Name" type="xs:string" use="required" />
746             <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
747             <xs:attribute name="Bits" use="optional">
748               <xs:simpleType>
749                 <xs:restriction base="xs:int">
750                   <xs:enumeration value="8" />
751                   <xs:enumeration value="16" />
752                   <xs:enumeration value="24" />
753                   <xs:enumeration value="32" />
754                 </xs:restriction>
755               </xs:simpleType>
756             </xs:attribute>
757             <xs:attribute name="Table" type="xs:string" use="optional" />
758             <xs:attribute name="TableFunction" use="optional">
759               <xs:simpleType>
760                 <xs:restriction base="xs:string">
761                   <xs:enumeration value="Selector" />
762                   <xs:enumeration value="Parameter" />
763                 </xs:restriction>
764               </xs:simpleType>
765             </xs:attribute>
766             <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
767             <xs:attribute name="CITPMediaType" use="optional">
768               <xs:simpleType>
769                 <xs:restriction base="xs:string">
770                   <xs:enumeration value="Media" />
771                   <xs:enumeration value="Effects" />
772                   <xs:enumeration value="Cues" />
773                   <xs:enumeration value="Crossfades" />
774                   <xs:enumeration value="Masks" />
775                   <xs:enumeration value="Blend Presets" />
776                   <xs:enumeration value="Effect Presets" />
777                   <xs:enumeration value="Image Presets" />
778                   <xs:enumeration value="3D Meshes" />
779                 </xs:restriction>
780               </xs:simpleType>
781             </xs:attribute>
782             <xs:attribute name="CITPMediaLevel" use="optional">
783               <xs:simpleType>
784                 <xs:restriction base="xs:int">
785                   <xs:minInclusive value="1" />
786                   <xs:maxInclusive value="4" />
787                 </xs:restriction>
788               </xs:simpleType>
789             </xs:attribute>
790             <xs:attribute name="CITPPParameterIndex" type="xs:byte" use="optional" />
791           </xs:complexType>
792         </xs:element>
793       </xs:sequence>
794     </xs:complexType>
795   </xs:element>
796 </xs:sequence>
797 <xs:attribute name="Identifier" type="xs:string" use="required"/>
798 <xs:attribute name="Name" type="xs:string" use="required" />
799 </xs:complexType>
800
801 <xs:complexType name="tMediaServerDimmerRange">
802   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
803   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
804   <xs:attribute name="DimmerFrom" use="required">
805     <xs:simpleType>
806       <xs:restriction base="xs:float">
807         <xs:minInclusive value="0" />

```

```

765 <xs:sequence>
766   <xs:element name="Channels" minOccurs="1" maxOccurs="1">
767     <xs:complexType>
768       <xs:sequence>
769         <xs:element name="Channel" minOccurs="1" maxOccurs="512">
770           <xs:complexType>
771             <xs:choice minOccurs="0" maxOccurs="unbounded">
772               <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
773               <xs:element name="Range" type="cef:tMediaServerRange" />
774               <xs:element name="Snap" type="cef:tMediaServerSnap" />
775             </xs:choice>
776             <xs:attribute name="Name" type="xs:string" use="required" />
777             <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
778             <xs:attribute name="Bits" use="optional">
779               <xs:simpleType>
780                 <xs:restriction base="xs:int">
781                   <xs:enumeration value="8" />
782                   <xs:enumeration value="16" />
783                   <xs:enumeration value="24" />
784                   <xs:enumeration value="32" />
785                 </xs:restriction>
786               </xs:simpleType>
787             </xs:attribute>
788             <xs:attribute name="Table" type="xs:string" use="optional" />
789             <xs:attribute name="TableFunction" use="optional">
790               <xs:simpleType>
791                 <xs:restriction base="xs:string">
792                   <xs:enumeration value="Selector" />
793                   <xs:enumeration value="Parameter" />
794                 </xs:restriction>
795               </xs:simpleType>
796             </xs:attribute>
797             <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
798             <xs:attribute name="CITPMediaType" use="optional">
799               <xs:simpleType>
800                 <xs:restriction base="xs:string">
801                   <xs:enumeration value="Media" />
802                   <xs:enumeration value="Effects" />
803                   <xs:enumeration value="Cues" />
804                   <xs:enumeration value="Crossfades" />
805                   <xs:enumeration value="Masks" />
806                   <xs:enumeration value="Blend Presets" />
807                   <xs:enumeration value="Effect Presets" />
808                   <xs:enumeration value="Image Presets" />
809                   <xs:enumeration value="3D Meshes" />
810                 </xs:restriction>
811               </xs:simpleType>
812             </xs:attribute>
813             <xs:attribute name="CITPMediaLevel" use="optional">
814               <xs:simpleType>
815                 <xs:restriction base="xs:int">
816                   <xs:minInclusive value="1" />
817                   <xs:maxInclusive value="4" />
818                 </xs:restriction>
819               </xs:simpleType>
820             </xs:attribute>
821             <xs:attribute name="CITPPParameterIndex" type="xs:byte" use="optional" />
822           </xs:complexType>
823         </xs:element>
824       </xs:sequence>
825     </xs:complexType>
826   </xs:element>
827 </xs:sequence>
828 <xs:attribute name="Identifier" type="xs:string" use="required"/>
829 <xs:attribute name="Name" type="xs:string" use="required" />
830 </xs:complexType>
831
832 <xs:complexType name="tMediaServerDimmerRange">
833   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
834   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
835   <xs:attribute name="DimmerFrom" use="required">
836     <xs:simpleType>
837       <xs:restriction base="xs:float">
838         <xs:minInclusive value="0" />

```

```

808     <xs:maxInclusive value="1" />
809   </xs:restriction>
810 </xs:simpleType>
811 </xs:attribute>
812 <xs:attribute name="DimmerTo" use="required">
813   <xs:simpleType>
814     <xs:restriction base="xs:float">
815       <xs:minInclusive value="0" />
816       <xs:maxInclusive value="1" />
817     </xs:restriction>
818   </xs:simpleType>
819 </xs:attribute>
820 </xs:complexType>
821
822 <xs:complexType name="tMediaServerRange">
823   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
824   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
825   <!-- Substitute ### with the 8-bit DMX level -->
826   <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
827   <xs:attribute name="Text" type="xs:string" use="required" />
828   <xs:attribute name="From" type="xs:string" use="required" />
829   <xs:attribute name="To" type="xs:string" use="required" />
830 </xs:complexType>
831
832 <xs:complexType name="tMediaServerSnap">
833   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
834   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
835   <!-- Substitute ### with the 8-bit DMX level -->
836   <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
837   <xs:attribute name="Text" type="xs:string" use="required" />
838   <xs:attribute name="To" type="xs:string" use="optional" />
839 </xs:complexType>
840
841 <xs:complexType name="tMediaServerList">
842   <xs:sequence>
843     <xs:element name="Entry" minOccurs="1" maxOccurs="255">
844       <xs:complexType>
845         <xs:sequence>
846           <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
847             <xs:complexType>
848               <xs:attribute name="Name" type="xs:string" use="required" />
849               <xs:attribute name="Function" type="xs:string" use="required" />
850             </xs:complexType>
851           </xs:element>
852         </xs:sequence>
853         <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
854         <xs:attribute name="End" type="xs:unsignedByte" use="required" />
855         <xs:attribute name="Name" type="xs:string" use="required" />
856       </xs:complexType>
857     </xs:element>
858   </xs:sequence>
859   <xs:attribute name="Name" type="xs:string" use="required" />
860 </xs:complexType>
861
862 <!-- Symbol -->
863 <xs:complexType name="tSymbol">
864   <xs:sequence>
865     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
866       <xs:complexType>
867         <xs:sequence>
868           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
869             <xs:complexType>
870               <xs:attribute name="X" type="xs:float" use="required" />
871               <xs:attribute name="Y" type="xs:float" use="required" />
872             </xs:complexType>
873           </xs:element>
874         </xs:sequence>
875         <xs:attribute name="Type" use="required">
876           <xs:simpleType>
877             <xs:restriction base="xs:string">
878               <xs:enumeration value="Fill" />
879               <xs:enumeration value="Line" />
880             </xs:restriction>
881           </xs:simpleType>

```

```

839     <xs:maxInclusive value="1" />
840   </xs:restriction>
841 </xs:simpleType>
842 </xs:attribute>
843 <xs:attribute name="DimmerTo" use="required">
844   <xs:simpleType>
845     <xs:restriction base="xs:float">
846       <xs:minInclusive value="0" />
847       <xs:maxInclusive value="1" />
848     </xs:restriction>
849   </xs:simpleType>
850 </xs:attribute>
851 </xs:complexType>
852
853 <xs:complexType name="tMediaServerRange">
854   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
855   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
856   <!-- Substitute ### with the 8-bit DMX level -->
857   <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
858   <xs:attribute name="Text" type="xs:string" use="required" />
859   <xs:attribute name="From" type="xs:string" use="required" />
860   <xs:attribute name="To" type="xs:string" use="required" />
861 </xs:complexType>
862
863 <xs:complexType name="tMediaServerSnap">
864   <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
865   <xs:attribute name="End" type="xs:unsignedInt" use="required" />
866   <!-- Substitute ### with the 8-bit DMX level -->
867   <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
868   <xs:attribute name="Text" type="xs:string" use="required" />
869   <xs:attribute name="To" type="xs:string" use="optional" />
870 </xs:complexType>
871
872 <xs:complexType name="tMediaServerList">
873   <xs:sequence>
874     <xs:element name="Entry" minOccurs="1" maxOccurs="255">
875       <xs:complexType>
876         <xs:sequence>
877           <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
878             <xs:complexType>
879               <xs:attribute name="Name" type="xs:string" use="required" />
880               <xs:attribute name="Function" type="xs:string" use="required" />
881             </xs:complexType>
882           </xs:element>
883         </xs:sequence>
884         <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
885         <xs:attribute name="End" type="xs:unsignedByte" use="required" />
886         <xs:attribute name="Name" type="xs:string" use="required" />
887       </xs:complexType>
888     </xs:element>
889   </xs:sequence>
890   <xs:attribute name="Name" type="xs:string" use="required" />
891 </xs:complexType>
892
893 <!-- Symbol -->
894 <xs:complexType name="tSymbol">
895   <xs:sequence>
896     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
897       <xs:complexType>
898         <xs:sequence>
899           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
900             <xs:complexType>
901               <xs:attribute name="X" type="xs:float" use="required" />
902               <xs:attribute name="Y" type="xs:float" use="required" />
903             </xs:complexType>
904           </xs:element>
905         </xs:sequence>
906         <xs:attribute name="Type" use="required">
907           <xs:simpleType>
908             <xs:restriction base="xs:string">
909               <xs:enumeration value="Fill" />
910               <xs:enumeration value="Line" />
911             </xs:restriction>
912           </xs:simpleType>

```

```
882     </xs:attribute>
883   </xs:complexType>
884 </xs:element>
885 </xs:sequence>
886 <xs:attribute name="Identfier" type="xs:string" use="required"/>
887 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
888 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
889 <xs:attribute name="Brand" type="xs:string" use="required"/>
890 <xs:attribute name="Name" type="xs:string" use="optional"/>
891 </xs:complexType>
892
893 <!-- Generic DMX Mode command types -->
894 <xs:complexType name="tSimpleCommand">
895   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
896   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
897 </xs:complexType>
898
899 <xs:complexType name="tSimpleLevelCommand">
900   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
901   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
902   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
903   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
904 </xs:complexType>
905
906 <xs:complexType name="tSimpleCellLevelCommand">
907   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
908   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
909   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
910   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
911   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
912   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
913 </xs:complexType>
914
915 <xs:complexType name="tSimpleSpeedCommand">
916   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
917   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
918   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
919   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
920 </xs:complexType>
921
922 <xs:complexType name="tSimpleTimeCommand">
923   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
924   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
925   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
926   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
927 </xs:complexType>
928
929 <xs:complexType name="tSimpleStrobeCommand">
930   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
931   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
932   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
933   <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
934   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
935   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
936 </xs:complexType>
937
938 <xs:complexType name="tShutterOnOffCommand">
939   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
940   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
941   <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
942 </xs:complexType>
943
944 <!-- Specific DMX Mode command types -->
945 <xs:complexType name="tSetCellLightEnabledCommand">
946   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
947   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
948   <xs:attribute name="Layer" type="cef:tControlLayer" use="required"/>
949   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
950   <xs:attribute name="ToMode" type="cef:tOnOff" use="required"/>
951 </xs:complexType>
952
953 <xs:complexType name="tSetLightModeCommand">
954   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
955   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
```

```
913     </xs:attribute>
914   </xs:complexType>
915 </xs:element>
916 </xs:sequence>
917 <xs:attribute name="Identfier" type="xs:string" use="required"/>
918 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
919 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
920 <xs:attribute name="Brand" type="xs:string" use="required"/>
921 <xs:attribute name="Name" type="xs:string" use="optional"/>
922 </xs:complexType>
923
924 <!-- Generic DMX Mode command types -->
925 <xs:complexType name="tSimpleCommand">
926   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
927   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
928 </xs:complexType>
929
930 <xs:complexType name="tSimpleLevelCommand">
931   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
932   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
933   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
934   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
935 </xs:complexType>
936
937 <xs:complexType name="tSimpleCellLevelCommand">
938   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
939   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
940   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
941   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
942   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
943   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
944 </xs:complexType>
945
946 <xs:complexType name="tSimpleSpeedCommand">
947   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
948   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
949   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
950   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
951 </xs:complexType>
952
953 <xs:complexType name="tSimpleTimeCommand">
954   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
955   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
956   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
957   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
958 </xs:complexType>
959
960 <xs:complexType name="tSimpleStrobeCommand">
961   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
962   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
963   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
964   <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
965   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
966   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
967 </xs:complexType>
968
969 <xs:complexType name="tShutterOnOffCommand">
970   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
971   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
972   <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
973 </xs:complexType>
974
975 <!-- Specific DMX Mode command types -->
976 <xs:complexType name="tSetCellLightEnabledCommand">
977   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
978   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
979   <xs:attribute name="Layer" type="cef:tControlLayer" use="required"/>
980   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
981   <xs:attribute name="ToMode" type="cef:tOnOff" use="required"/>
982 </xs:complexType>
983
984 <xs:complexType name="tSetLightModeCommand">
985   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
986   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
```





```
1019 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1020 </xs:complexType>
1021
1022 <xs:complexType name="tSetShutterStrobeVariableRateCommand">
1023 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1024 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1025 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1026 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1027 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1028 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1029 </xs:complexType>
1030
1031 <xs:complexType name="tSetShutterStrobeDurationCommand">
1032 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1033 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1034 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1035 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1036 <xs:attribute name="ToTiming" use="required">
1037 <xs:simpleType>
1038 <xs:restriction base="xs:string">
1039 <xs:enumeration value="Absolute" />
1040 <xs:enumeration value="Relative" />
1041 </xs:restriction>
1042 </xs:simpleType>
1043 </xs:attribute>
1044 <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1045 <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1046 </xs:complexType>
1047
1048 <xs:complexType name="tSetFocusModeCommand">
1049 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1050 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1051 <xs:attribute name="ToMode" use="required">
1052 <xs:simpleType>
1053 <xs:restriction base="xs:string">
1054 <xs:enumeration value="Normal" />
1055 <xs:enumeration value="Auto" />
1056 </xs:restriction>
1057 </xs:simpleType>
1058 </xs:attribute>
1059 </xs:complexType>
1060
1061 <xs:complexType name="tSetFrostLevelCommand">
1062 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1063 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1064 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1065 <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
1066 <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1067 </xs:complexType>
1068
1069 <xs:complexType name="tSetFrostStrobeCommand">
1070 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1071 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1072 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1073 <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1074 <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1075 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1076 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1077 </xs:complexType>
1078
1079 <xs:complexType name="tCustomFrostCommand">
1080 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1081 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1082 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional"/>
1083 <xs:attribute name="Usage" use="required">
1084 <xs:simpleType>
1085 <xs:restriction base="xs:string">
1086 <xs:enumeration value="Snap" />
1087 <xs:enumeration value="Range" />
1088 </xs:restriction>
1089 </xs:simpleType>
1090 </xs:attribute>
1091 <xs:attribute name="Description" type="xs:string" use="required"/>
1092 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
```

```
1061 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1062 </xs:complexType>
1063
1064 <xs:complexType name="tSetShutterStrobeVariableRateCommand">
1065 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1066 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1067 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1068 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1069 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1070 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1071 </xs:complexType>
1072
1073 <xs:complexType name="tSetShutterStrobeDurationCommand">
1074 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1075 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1076 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1077 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1078 <xs:attribute name="ToTiming" use="required">
1079 <xs:simpleType>
1080 <xs:restriction base="xs:string">
1081 <xs:enumeration value="Absolute" />
1082 <xs:enumeration value="Relative" />
1083 </xs:restriction>
1084 </xs:simpleType>
1085 </xs:attribute>
1086 <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1087 <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1088 </xs:complexType>
1089
1090 <xs:complexType name="tSetFocusModeCommand">
1091 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1092 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1093 <xs:attribute name="ToMode" use="required">
1094 <xs:simpleType>
1095 <xs:restriction base="xs:string">
1096 <xs:enumeration value="Normal" />
1097 <xs:enumeration value="Auto" />
1098 </xs:restriction>
1099 </xs:simpleType>
1100 </xs:attribute>
1101 </xs:complexType>
1102
1103 <xs:complexType name="tSetFrostLevelCommand">
1104 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1105 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1106 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1107 <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
1108 <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1109 </xs:complexType>
1110
1111 <xs:complexType name="tSetFrostStrobeCommand">
1112 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1113 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1114 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1115 <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1116 <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1117 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1118 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1119 </xs:complexType>
1120
1121 <xs:complexType name="tCustomFrostCommand">
1122 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1123 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1124 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional"/>
1125 <xs:attribute name="Usage" use="required">
1126 <xs:simpleType>
1127 <xs:restriction base="xs:string">
1128 <xs:enumeration value="Snap" />
1129 <xs:enumeration value="Range" />
1130 </xs:restriction>
1131 </xs:simpleType>
1132 </xs:attribute>
1133 <xs:attribute name="Description" type="xs:string" use="required"/>
1134 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
```





```
1233
1234 <xs:complexType name="tSetMotionModeCommand">
1235   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1236   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1237   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1238   <xs:attribute name="ToMode" use="required">
1239     <xs:simpleType>
1240       <xs:restriction base="xs:string">
1241         <xs:enumeration value="Indexed" />
1242         <xs:enumeration value="Spinning" />
1243       </xs:restriction>
1244     </xs:simpleType>
1245   </xs:attribute>
1246 </xs:complexType>
1247
1248 <xs:complexType name="tMotionCommand">
1249   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1250   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1251   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1252   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1253 </xs:complexType>
1254
1255 <xs:complexType name="tSetMotionDirectionCommand">
1256   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1257   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1258   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1259   <xs:attribute name="ToDirection" use="required">
1260     <xs:simpleType>
1261       <xs:restriction base="xs:string">
1262         <xs:enumeration value="Reverse" />
1263         <xs:enumeration value="Forward" />
1264       </xs:restriction>
1265     </xs:simpleType>
1266   </xs:attribute>
1267 </xs:complexType>
1268
1269 <xs:complexType name="tMotionSpeedCommand">
1270   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1271   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1272   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1273   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1274   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1275 </xs:complexType>
1276
1277 <xs:complexType name="tMotionTimeCommand">
1278   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1279   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1280   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1281   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1282   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1283 </xs:complexType>
1284
1285 <xs:complexType name="tSetVectorPositionCommand">
1286   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1287   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1288   <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1289   <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1290   <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1291 </xs:complexType>
1292
```

```
1283
1284 <xs:complexType name="tSetMotionModeCommand">
1285   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1286   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1287   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1288   <xs:attribute name="ToMode" use="required">
1289     <xs:simpleType>
1290       <xs:restriction base="xs:string">
1291         <xs:enumeration value="Indexed" />
1292         <xs:enumeration value="Spinning" />
1293       </xs:restriction>
1294     </xs:simpleType>
1295   </xs:attribute>
1296 </xs:complexType>
1297
1298 <xs:complexType name="tMotionCommand">
1299   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1300   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1301   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1302   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1303 </xs:complexType>
1304
1305 <xs:complexType name="tSetMotionDirectionCommand">
1306   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1307   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1308   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1309   <xs:attribute name="ToDirection" use="required">
1310     <xs:simpleType>
1311       <xs:restriction base="xs:string">
1312         <xs:enumeration value="Reverse" />
1313         <xs:enumeration value="Forward" />
1314       </xs:restriction>
1315     </xs:simpleType>
1316   </xs:attribute>
1317 </xs:complexType>
1318
1319 <xs:complexType name="tMotionSpeedCommand">
1320   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1321   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1322   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1323   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1324   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1325 </xs:complexType>
1326
1327 <xs:complexType name="tMotionTimeCommand">
1328   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1331   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1332   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1333 </xs:complexType>
1334
1335 <xs:complexType name="tSetVectorPositionCommand">
1336   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1337   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1338   <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1339   <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1340   <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1341 </xs:complexType>
1342
1343 <xs:complexType name="tSelectMacroCatalogCommand">
1344   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1345   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1346   <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1347   <xs:attribute name="Text" type="xs:string" use="optional" />
1348 </xs:complexType>
1349
1350 <xs:complexType name="tSelectMacroCommand">
1351   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1352   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1353   <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1354   <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1355   <xs:attribute name="Text" type="xs:string" use="optional" />
1356 </xs:complexType>
```

```
1357
1358 <xs:complexType name="tMacroParameterCommand">
1359   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1360   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1361   <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1362   <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1363   <xs:attribute name="Usage" use="required">
1364     <xs:simpleType>
1365       <xs:restriction base="xs:string">
1366         <xs:enumeration value="Snap" />
1367         <xs:enumeration value="Range" />
1368       </xs:restriction>
1369     </xs:simpleType>
1370   </xs:attribute>
1371   <xs:attribute name="Description" type="xs:string" use="required"/>
1372   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1373   <xs:attribute name="From" type="xs:string" use="optional"/>
1374   <xs:attribute name="To" type="xs:string" use="optional"/>
1375 </xs:complexType>
1376
1377 <xs:complexType name="tSetMacroDirectionCommand">
1378   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1379   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1380   <xs:attribute name="ToDirection" use="required">
1381     <xs:simpleType>
1382       <xs:restriction base="xs:string">
1383         <xs:enumeration value="Reverse" />
1384         <xs:enumeration value="Forward" />
1385       </xs:restriction>
1386     </xs:simpleType>
1387   </xs:attribute>
1388 </xs:complexType>
1389
1390 <xs:complexType name="tSetMacroRotationPositionCommand">
1391   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1392   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1393   <xs:attribute name="ToStartLevelAngle" use="required">
1394     <xs:simpleType>
1395       <xs:restriction base="xs:float">
1396         <xs:minInclusive value="0"/>
1397         <xs:maxInclusive value="360"/>
1398       </xs:restriction>
1399     </xs:simpleType>
1400   </xs:attribute>
1401   <xs:attribute name="ToEndLevelAngle" use="required">
1402     <xs:simpleType>
1403       <xs:restriction base="xs:float">
1404         <xs:minInclusive value="0"/>
1405         <xs:maxInclusive value="360"/>
1406       </xs:restriction>
1407     </xs:simpleType>
1408   </xs:attribute>
1409 </xs:complexType>
1410
1411 <xs:complexType name="tSetMacroRotationSpinCommand">
1412   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1413   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1414   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1415   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1416 </xs:complexType>
1417
1418 <xs:complexType name="tSetMacroRotationDirectionCommand">
1419   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1420   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1421   <xs:attribute name="ToDirection" use="required">
1422     <xs:simpleType>
1423       <xs:restriction base="xs:string">
1424         <xs:enumeration value="Reverse" />
1425         <xs:enumeration value="Forward" />
1426       </xs:restriction>
1427     </xs:simpleType>
1428   </xs:attribute>
1429 </xs:complexType>
1430
```

```
1293 <xs:complexType name="tSetLampModeCommand">
1294   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1295   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1296   <xs:attribute name="ToMode" use="required">
1297     <xs:simpleType>
1298       <xs:restriction base="xs:string">
1299         <xs:enumeration value="Normal" />
1300         <xs:enumeration value="LowPower" />
1301       </xs:restriction>
1302     </xs:simpleType>
1303   </xs:attribute>
1304 </xs:complexType>
1305
1306 <xs:complexType name="tSetLaserStrobeCommand">
1307   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1308   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1309   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1310   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1311   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1312 </xs:complexType>
1313
1314 <xs:complexType name="tSetFanModeCommand">
1315   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1316   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1317   <xs:attribute name="ToMode" use="required">
1318     <xs:simpleType>
1319       <xs:restriction base="xs:string">
1320         <xs:enumeration value="Fast" />
1321         <xs:enumeration value="Slow" />
1322       </xs:restriction>
1323     </xs:simpleType>
1324   </xs:attribute>
1325 </xs:complexType>
1326
1327 <xs:complexType name="tCustomCommand">
1328   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330   <xs:attribute name="Usage" use="required">
1331     <xs:simpleType>
1332       <xs:restriction base="xs:string">
1333         <xs:enumeration value="Snap" />
1334         <xs:enumeration value="Range" />
1335       </xs:restriction>
1336     </xs:simpleType>
1337   </xs:attribute>
1338   <xs:attribute name="Description" type="xs:string" use="required"/>
1339   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1340   <xs:attribute name="From" type="xs:string" use="optional"/>
1341   <xs:attribute name="To" type="xs:string" use="optional"/>
1342 </xs:complexType>
1343
1344 <xs:complexType name="tResetCommand">
1345   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1346   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1347   <xs:attribute name="ToType" use="required">
1348     <xs:simpleType>
1349       <xs:restriction base="xs:string">
1350         <xs:enumeration value="Complete" />
1351         <xs:enumeration value="PanTilt" />
1352         <xs:enumeration value="Colour" />
1353         <xs:enumeration value="Gobo" />
1354         <xs:enumeration value="Strobe" />
1355         <xs:enumeration value="Focus" />
1356         <xs:enumeration value="Zoom" />
1357         <xs:enumeration value="Frost" />
1358         <xs:enumeration value="Iris" />
1359         <xs:enumeration value="AllInternal" />

```

```
1431 <xs:complexType name="tSetMacroFadeTimeCommand">
1432   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1433   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1434   <xs:attribute name="ToStartTime" type="cef:tWideRangeValue" use="required"/>
1435   <xs:attribute name="ToEndTime" type="cef:tWideRangeValue" use="required"/>
1436 </xs:complexType>
1437
1438 <xs:complexType name="tSetLampModeCommand">
1439   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1440   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1441   <xs:attribute name="ToMode" use="required">
1442     <xs:simpleType>
1443       <xs:restriction base="xs:string">
1444         <xs:enumeration value="Normal" />
1445         <xs:enumeration value="LowPower" />
1446       </xs:restriction>
1447     </xs:simpleType>
1448   </xs:attribute>
1449 </xs:complexType>
1450
1451 <xs:complexType name="tSetLaserStrobeCommand">
1452   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1453   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1454   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1455   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1456   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1457 </xs:complexType>
1458
1459 <xs:complexType name="tSetFanModeCommand">
1460   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1461   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1462   <xs:attribute name="ToMode" use="required">
1463     <xs:simpleType>
1464       <xs:restriction base="xs:string">
1465         <xs:enumeration value="Fast" />
1466         <xs:enumeration value="Slow" />
1467       </xs:restriction>
1468     </xs:simpleType>
1469   </xs:attribute>
1470 </xs:complexType>
1471
1472 <xs:complexType name="tCustomCommand">
1473   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1474   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1475   <xs:attribute name="Usage" use="required">
1476     <xs:simpleType>
1477       <xs:restriction base="xs:string">
1478         <xs:enumeration value="Snap" />
1479         <xs:enumeration value="Range" />
1480       </xs:restriction>
1481     </xs:simpleType>
1482   </xs:attribute>
1483   <xs:attribute name="Description" type="xs:string" use="required"/>
1484   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1485   <xs:attribute name="From" type="xs:string" use="optional"/>
1486   <xs:attribute name="To" type="xs:string" use="optional"/>
1487 </xs:complexType>
1488
1489 <xs:complexType name="tResetCommand">
1490   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1491   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1492   <xs:attribute name="ToType" use="required">
1493     <xs:simpleType>
1494       <xs:restriction base="xs:string">
1495         <xs:enumeration value="Complete" />
1496         <xs:enumeration value="PanTilt" />
1497         <xs:enumeration value="Colour" />
1498         <xs:enumeration value="Gobo" />
1499         <xs:enumeration value="Strobe" />
1500         <xs:enumeration value="Focus" />
1501         <xs:enumeration value="Zoom" />
1502         <xs:enumeration value="Frost" />
1503         <xs:enumeration value="Iris" />
1504         <xs:enumeration value="AllInternal" />

```

```

1360     </xs:restriction>
1361   </xs:simpleType>
1362 </xs:attribute>
1363 </xs:complexType>
1364
1365 <xs:complexType name="tPresetCommand">
1366   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1367   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1368   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1369   <xs:attribute name="Usage" use="required">
1370     <xs:simpleType>
1371       <xs:restriction base="xs:string">
1372         <xs:enumeration value="Snap" />
1373         <xs:enumeration value="Range" />
1374       </xs:restriction>
1375     </xs:simpleType>
1376   </xs:attribute>
1377   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1378   <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1379   <xs:attribute name="Description" type="xs:string" use="required"/>
1380   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1381 </xs:complexType>
1382
1383 <xs:complexType name="tPresetScrollCommand">
1384   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1385   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1386   <xs:attribute name="ToMode" use="required">
1387     <xs:simpleType>
1388       <xs:restriction base="xs:string">
1389         <xs:enumeration value="Forward" />
1390         <xs:enumeration value="Reverse" />
1391         <xs:enumeration value="Bounce" />
1392         <xs:enumeration value="Random" />
1393         <xs:enumeration value="Sound" />
1394         <xs:enumeration value="Stop" />
1395       </xs:restriction>
1396     </xs:simpleType>
1397   </xs:attribute>
1398 </xs:complexType>
1399
1400 <xs:complexType name="tTextCommand">
1401   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1402   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1403   <xs:attribute name="Description" type="xs:string" use="required"/>
1404   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1405 </xs:complexType>
1406
1407 <!-- Common simple types-->
1408 <xs:simpleType name="tVisibility">
1409   <xs:restriction base="xs:string">
1410     <xs:enumeration value="Public" />
1411     <xs:enumeration value="Private" />
1412   </xs:restriction>
1413 </xs:simpleType>
1414
1415 <xs:simpleType name="tGoboType">
1416   <xs:restriction base="xs:string">
1417     <xs:enumeration value="Pattern" />
1418     <xs:enumeration value="Animation Disc" />
1419     <xs:enumeration value="Linear 2-Facet Prism" />
1420     <xs:enumeration value="Circular 3-Facet Prism" />
1421     <xs:enumeration value="Circular 4-Facet Prism" />
1422     <xs:enumeration value="Linear 4-Facet Prism" />
1423     <xs:enumeration value="Circular 5-Facet Prism" />
1424     <xs:enumeration value="Linear 5-Facet Prism" />
1425     <xs:enumeration value="Round 5-Facet Prism" />
1426     <xs:enumeration value="Circular 6-Facet Prism" />
1427     <xs:enumeration value="Linear 6-Facet Prism" />
1428     <xs:enumeration value="Round 6-Facet Prism" />
1429     <xs:enumeration value="Round 7-Facet Prism" />
1430     <xs:enumeration value="Circular 8-Facet Prism" />
1431     <xs:enumeration value="Linear 8-Facet Prism" />
1432     <xs:enumeration value="Round 9-Facet Prism" />
1433     <xs:enumeration value="Linear 10-Facet Prism" />

```

```

1505     </xs:restriction>
1506   </xs:simpleType>
1507 </xs:attribute>
1508 </xs:complexType>
1509
1510 <xs:complexType name="tPresetCommand">
1511   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1512   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1513   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1514   <xs:attribute name="Usage" use="required">
1515     <xs:simpleType>
1516       <xs:restriction base="xs:string">
1517         <xs:enumeration value="Snap" />
1518         <xs:enumeration value="Range" />
1519       </xs:restriction>
1520     </xs:simpleType>
1521   </xs:attribute>
1522   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1523   <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1524   <xs:attribute name="Description" type="xs:string" use="required"/>
1525   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1526 </xs:complexType>
1527
1528 <xs:complexType name="tPresetScrollCommand">
1529   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1530   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1531   <xs:attribute name="ToMode" use="required">
1532     <xs:simpleType>
1533       <xs:restriction base="xs:string">
1534         <xs:enumeration value="Forward" />
1535         <xs:enumeration value="Reverse" />
1536         <xs:enumeration value="Bounce" />
1537         <xs:enumeration value="Random" />
1538         <xs:enumeration value="Sound" />
1539         <xs:enumeration value="Stop" />
1540       </xs:restriction>
1541     </xs:simpleType>
1542   </xs:attribute>
1543 </xs:complexType>
1544
1545 <xs:complexType name="tTextCommand">
1546   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1547   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1548   <xs:attribute name="Description" type="xs:string" use="required"/>
1549   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1550 </xs:complexType>
1551
1552 <!-- Common simple types-->
1553 <xs:simpleType name="tVisibility">
1554   <xs:restriction base="xs:string">
1555     <xs:enumeration value="Public" />
1556     <xs:enumeration value="Private" />
1557   </xs:restriction>
1558 </xs:simpleType>
1559
1560 <xs:simpleType name="tGoboType">
1561   <xs:restriction base="xs:string">
1562     <xs:enumeration value="Pattern" />
1563     <xs:enumeration value="Animation Disc" />
1564     <xs:enumeration value="Linear 2-Facet Prism" />
1565     <xs:enumeration value="Circular 3-Facet Prism" />
1566     <xs:enumeration value="Circular 4-Facet Prism" />
1567     <xs:enumeration value="Linear 4-Facet Prism" />
1568     <xs:enumeration value="Circular 5-Facet Prism" />
1569     <xs:enumeration value="Linear 5-Facet Prism" />
1570     <xs:enumeration value="Round 5-Facet Prism" />
1571     <xs:enumeration value="Circular 6-Facet Prism" />
1572     <xs:enumeration value="Linear 6-Facet Prism" />
1573     <xs:enumeration value="Round 6-Facet Prism" />
1574     <xs:enumeration value="Round 7-Facet Prism" />
1575     <xs:enumeration value="Circular 8-Facet Prism" />
1576     <xs:enumeration value="Linear 8-Facet Prism" />
1577     <xs:enumeration value="Round 9-Facet Prism" />
1578     <xs:enumeration value="Linear 10-Facet Prism" />

```



```
1434 <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1435 <xs:enumeration value="Circular 16-16-Facet Prism" />
1436 <xs:enumeration value="Bar Prism" />
1437 <xs:enumeration value="Comet Prism" />
1438 </xs:restriction>
1439 </xs:simpleType>
1440
1441 <xs:simpleType name="tChromaticityValue">
1442 <xs:restriction base="xs:float">
1443 <xs:minInclusive value="0"/>
1444 <xs:maxInclusive value="1"/>
1445 </xs:restriction>
1446 </xs:simpleType>
1447
1448 <xs:simpleType name="tDmxChannelOffset">
1449 <xs:restriction base="xs:unsignedInt">
1450 <xs:minInclusive value="0"/>
1451 <xs:maxInclusive value="511"/>
1452 </xs:restriction>
1453 </xs:simpleType>
1454
1455 <xs:simpleType name="tControlLayer">
1456 <xs:restriction base="xs:string">
1457 <xs:enumeration value="Individual" />
1458 <xs:enumeration value="Group" />
1459 </xs:restriction>
1460 </xs:simpleType>
1461
1462 <xs:simpleType name="tCellArray">
1463 <xs:restriction base="xs:string">
1464 <xs:pattern value="\d+(,\d+)*" />
1465 </xs:restriction>
1466 </xs:simpleType>
1467
1468 <xs:simpleType name="tSimpleRangeValue">
1469 <xs:restriction base="xs:float">
1470 <xs:minInclusive value="0"/>
1471 <xs:maxInclusive value="1"/>
1472 </xs:restriction>
1473 </xs:simpleType>
1474
1475 <xs:simpleType name="tWideRangeValue">
1476 <xs:restriction base="xs:float">
1477 <xs:minInclusive value="-1"/>
1478 <xs:maxInclusive value="1"/>
1479 </xs:restriction>
1480 </xs:simpleType>
1481
1482 <xs:simpleType name="tUnboundedRangeValue">
1483 <xs:restriction base="xs:float"/>
1484 </xs:simpleType>
1485
1486 <xs:simpleType name="tTimeRangeValue">
1487 <xs:restriction base="xs:float">
1488 <xs:minInclusive value="0"/>
1489 </xs:restriction>
1490 </xs:simpleType>
1491
1492 <xs:simpleType name="tColorRenderingIndexRangeValue">
1493 <xs:restriction base="xs:float">
1494 <xs:minInclusive value="0"/>
1495 <xs:maxInclusive value="100"/>
1496 </xs:restriction>
1497 </xs:simpleType>
1498
1499 <xs:simpleType name="tColorTemperatureRangeValue">
1500 <xs:restriction base="xs:float">
1501 <xs:minInclusive value="0"/>
1502 <xs:maxInclusive value="30000"/>
1503 </xs:restriction>
1504 </xs:simpleType>
1505
1506 <xs:simpleType name="tFramingShutterDepthValue">
1507 <xs:restriction base="xs:float">
```

```
1579 <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1580 <xs:enumeration value="Circular 16-16-Facet Prism" />
1581 <xs:enumeration value="Bar Prism" />
1582 <xs:enumeration value="Comet Prism" />
1583 </xs:restriction>
1584 </xs:simpleType>
1585
1586 <xs:simpleType name="tChromaticityValue">
1587 <xs:restriction base="xs:float">
1588 <xs:minInclusive value="0"/>
1589 <xs:maxInclusive value="1"/>
1590 </xs:restriction>
1591 </xs:simpleType>
1592
1593 <xs:simpleType name="tDmxChannelOffset">
1594 <xs:restriction base="xs:unsignedInt">
1595 <xs:minInclusive value="0"/>
1596 <xs:maxInclusive value="511"/>
1597 </xs:restriction>
1598 </xs:simpleType>
1599
1600 <xs:simpleType name="tControlLayer">
1601 <xs:restriction base="xs:string">
1602 <xs:enumeration value="Individual" />
1603 <xs:enumeration value="Group" />
1604 </xs:restriction>
1605 </xs:simpleType>
1606
1607 <xs:simpleType name="tCellArray">
1608 <xs:restriction base="xs:string">
1609 <xs:pattern value="\d+(,\d+)*" />
1610 </xs:restriction>
1611 </xs:simpleType>
1612
1613 <xs:simpleType name="tSimpleRangeValue">
1614 <xs:restriction base="xs:float">
1615 <xs:minInclusive value="0"/>
1616 <xs:maxInclusive value="1"/>
1617 </xs:restriction>
1618 </xs:simpleType>
1619
1620 <xs:simpleType name="tWideRangeValue">
1621 <xs:restriction base="xs:float">
1622 <xs:minInclusive value="-1"/>
1623 <xs:maxInclusive value="1"/>
1624 </xs:restriction>
1625 </xs:simpleType>
1626
1627 <xs:simpleType name="tUnboundedRangeValue">
1628 <xs:restriction base="xs:float"/>
1629 </xs:simpleType>
1630
1631 <xs:simpleType name="tTimeRangeValue">
1632 <xs:restriction base="xs:float">
1633 <xs:minInclusive value="0"/>
1634 </xs:restriction>
1635 </xs:simpleType>
1636
1637 <xs:simpleType name="tColorRenderingIndexRangeValue">
1638 <xs:restriction base="xs:float">
1639 <xs:minInclusive value="0"/>
1640 <xs:maxInclusive value="100"/>
1641 </xs:restriction>
1642 </xs:simpleType>
1643
1644 <xs:simpleType name="tColorTemperatureRangeValue">
1645 <xs:restriction base="xs:float">
1646 <xs:minInclusive value="0"/>
1647 <xs:maxInclusive value="30000"/>
1648 </xs:restriction>
1649 </xs:simpleType>
1650
1651 <xs:simpleType name="tFramingShutterDepthValue">
1652 <xs:restriction base="xs:float">
```

```
1508     <xs:minInclusive value="0"/>
1509     <xs:maxInclusive value="2"/>
1510 </xs:restriction>
1511 </xs:simpleType>
1512
1513 <xs:simpleType name="tFramingShutterAngleValue">
1514     <xs:restriction base="xs:float">
1515         <xs:minInclusive value="-360"/>
1516         <xs:maxInclusive value="360"/>
1517     </xs:restriction>
1518 </xs:simpleType>
1519
1520 <xs:simpleType name="tOnOff">
1521     <xs:restriction base="xs:string">
1522         <xs:enumeration value="On" />
1523         <xs:enumeration value="Off" />
1524     </xs:restriction>
1525 </xs:simpleType>
1526
1527 <xs:simpleType name="tStrobeMode">
1528     <xs:restriction base="xs:string">
1529         <xs:enumeration value="Linear" />
1530         <xs:enumeration value="Random" />
1531         <xs:enumeration value="ApertureRandom" />
1532         <xs:enumeration value="SynchronizedRandom" />
1533         <xs:enumeration value="Lightning" />
1534         <xs:enumeration value="Spikes" />
1535     </xs:restriction>
1536 </xs:simpleType>
1537
1538 <xs:simpleType name="tStrobeTransition">
1539     <xs:restriction base="xs:string">
1540         <xs:enumeration value="RampRamp" />
1541         <xs:enumeration value="RampSnap" />
1542         <xs:enumeration value="SnapRamp" />
1543         <xs:enumeration value="SnapSnap" />
1544     </xs:restriction>
1545 </xs:simpleType>
1546
1547 <xs:simpleType name="tFrostIndex">
1548     <xs:restriction base="xs:unsignedInt">
1549         <xs:minInclusive value="1"/>
1550         <xs:maxInclusive value="3"/>
1551     </xs:restriction>
1552 </xs:simpleType>
1553
1554 <xs:simpleType name="tWheelIndex">
1555     <xs:restriction base="xs:unsignedInt">
1556         <xs:minInclusive value="1"/>
1557     </xs:restriction>
1558 </xs:simpleType>
1559
1560 <xs:simpleType name="tFramingShutterIndex">
1561     <xs:restriction base="xs:unsignedInt">
1562         <xs:minInclusive value="1"/>
1563         <xs:maxInclusive value="4"/>
1564     </xs:restriction>
1565 </xs:simpleType>
1566
1567 <xs:simpleType name="tAxisIndex">
1568     <xs:restriction base="xs:unsignedInt">
1569         <xs:minInclusive value="1"/>
1570     </xs:restriction>
1571 </xs:simpleType>
1572
1573 <xs:simpleType name="tLightMode">
1574     <xs:restriction base="xs:string">
1575         <xs:enumeration value="Direct" />
1576         <xs:enumeration value="ColorTemperature" />
1577         <xs:enumeration value="ColorTemperaturePlus" />
1578         <xs:enumeration value="RGB" />
1579         <xs:enumeration value="RGBPlus" />
1580         <xs:enumeration value="HSV" />
1581         <xs:enumeration value="HSVPlus" />
```

```
1653     <xs:minInclusive value="0"/>
1654     <xs:maxInclusive value="2"/>
1655 </xs:restriction>
1656 </xs:simpleType>
1657
1658 <xs:simpleType name="tFramingShutterAngleValue">
1659     <xs:restriction base="xs:float">
1660         <xs:minInclusive value="-360"/>
1661         <xs:maxInclusive value="360"/>
1662     </xs:restriction>
1663 </xs:simpleType>
1664
1665 <xs:simpleType name="tOnOff">
1666     <xs:restriction base="xs:string">
1667         <xs:enumeration value="On" />
1668         <xs:enumeration value="Off" />
1669     </xs:restriction>
1670 </xs:simpleType>
1671
1672 <xs:simpleType name="tStrobeMode">
1673     <xs:restriction base="xs:string">
1674         <xs:enumeration value="Linear" />
1675         <xs:enumeration value="Random" />
1676         <xs:enumeration value="ApertureRandom" />
1677         <xs:enumeration value="SynchronizedRandom" />
1678         <xs:enumeration value="Lightning" />
1679         <xs:enumeration value="Spikes" />
1680     </xs:restriction>
1681 </xs:simpleType>
1682
1683 <xs:simpleType name="tStrobeTransition">
1684     <xs:restriction base="xs:string">
1685         <xs:enumeration value="RampRamp" />
1686         <xs:enumeration value="RampSnap" />
1687         <xs:enumeration value="SnapRamp" />
1688         <xs:enumeration value="SnapSnap" />
1689     </xs:restriction>
1690 </xs:simpleType>
1691
1692 <xs:simpleType name="tFrostIndex">
1693     <xs:restriction base="xs:unsignedInt">
1694         <xs:minInclusive value="1"/>
1695         <xs:maxInclusive value="3"/>
1696     </xs:restriction>
1697 </xs:simpleType>
1698
1699 <xs:simpleType name="tWheelIndex">
1700     <xs:restriction base="xs:unsignedInt">
1701         <xs:minInclusive value="1"/>
1702     </xs:restriction>
1703 </xs:simpleType>
1704
1705 <xs:simpleType name="tFramingShutterIndex">
1706     <xs:restriction base="xs:unsignedInt">
1707         <xs:minInclusive value="1"/>
1708         <xs:maxInclusive value="4"/>
1709     </xs:restriction>
1710 </xs:simpleType>
1711
1712 <xs:simpleType name="tAxisIndex">
1713     <xs:restriction base="xs:unsignedInt">
1714         <xs:minInclusive value="1"/>
1715     </xs:restriction>
1716 </xs:simpleType>
1717
1718 <xs:simpleType name="tLightMode">
1719     <xs:restriction base="xs:string">
1720         <xs:enumeration value="Direct" />
1721         <xs:enumeration value="ColorTemperature" />
1722         <xs:enumeration value="ColorTemperaturePlus" />
1723         <xs:enumeration value="RGB" />
1724         <xs:enumeration value="RGBPlus" />
1725         <xs:enumeration value="HSV" />
1726         <xs:enumeration value="HSVPlus" />
```

```
1582     <xs:enumeration value="CIE" />
1583   </xs:restriction>
1584 </xs:simpleType>
1585
1586 <xs:simpleType name="tWheelMode">
1587   <xs:restriction base="xs:string">
1588     <xs:enumeration value="Indexed" />
1589     <xs:enumeration value="Continuous" />
1590     <xs:enumeration value="Mixed" />
1591     <xs:enumeration value="Spinning" />
1592     <xs:enumeration value="Oscillating" />
```

```
1593   </xs:restriction>
1594 </xs:simpleType>
1595
1596 <xs:simpleType name="tWheelFrameMode">
1597   <xs:restriction base="xs:string">
1598     <xs:enumeration value="Indexed" />
1599     <xs:enumeration value="Spinning" />
1600   </xs:restriction>
1601 </xs:simpleType>
1602
1603 <xs:simpleType name="tWheelSpinDirection">
1604   <xs:restriction base="xs:string">
1605     <xs:enumeration value="Forward" />
1606     <xs:enumeration value="Reverse" />
1607   </xs:restriction>
1608 </xs:simpleType>
1609
1610 <xs:simpleType name="tBoolean">
1611   <xs:restriction base="xs:string">
1612     <xs:enumeration value="True" />
1613     <xs:enumeration value="False" />
1614   </xs:restriction>
1615 </xs:simpleType>
1616
1617 <xs:simpleType name="tPositiveFloat">
1618   <xs:restriction base="xs:float">
1619     <xs:minInclusive value="0" />
1620   </xs:restriction>
1621 </xs:simpleType>
1622
1623 </xs:schema>
```

```
1727     <xs:enumeration value="CIE" />
1728   </xs:restriction>
1729 </xs:simpleType>
1730
1731 <xs:simpleType name="tWheelMode">
1732   <xs:restriction base="xs:string">
1733     <xs:enumeration value="Indexed" />
1734     <xs:enumeration value="Continuous" />
1735     <xs:enumeration value="Mixed" />
1736     <xs:enumeration value="Spinning" />
1737     <xs:enumeration value="Oscillating" />
1738     <xs:enumeration value="Random" />
1739   </xs:restriction>
1740 </xs:simpleType>
1741
1742 <xs:simpleType name="tNonRandomWheelMode">
1743   <xs:restriction base="xs:string">
1744     <xs:enumeration value="Indexed" />
1745     <xs:enumeration value="Continuous" />
1746     <xs:enumeration value="Mixed" />
1747     <xs:enumeration value="Spinning" />
1748     <xs:enumeration value="Oscillating" />
1749   </xs:restriction>
1750 </xs:simpleType>
1751
1752 <xs:simpleType name="tWheelFrameMode">
1753   <xs:restriction base="xs:string">
1754     <xs:enumeration value="Indexed" />
1755     <xs:enumeration value="Spinning" />
1756   </xs:restriction>
1757 </xs:simpleType>
1758
1759 <xs:simpleType name="tWheelSpinDirection">
1760   <xs:restriction base="xs:string">
1761     <xs:enumeration value="Forward" />
1762     <xs:enumeration value="Reverse" />
1763   </xs:restriction>
1764 </xs:simpleType>
1765
1766 <xs:simpleType name="tBoolean">
1767   <xs:restriction base="xs:string">
1768     <xs:enumeration value="True" />
1769     <xs:enumeration value="False" />
1770   </xs:restriction>
1771 </xs:simpleType>
1772
1773 <xs:simpleType name="tPositiveFloat">
1774   <xs:restriction base="xs:float">
1775     <xs:minInclusive value="0" />
1776   </xs:restriction>
1777 </xs:simpleType>
1778
1779 </xs:schema>
```