

Araxis Merge File Comparison Report

Produced by **Araxis Merge** on **2026-04-08 15:28:09 W. Europe Summer Time**. See 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\AtlaBase CEF Guide	AtlaBase.CommonExportFormat_2.10.0.xsd	2025-01-08 15:08:12 W. Europe Summer Time
2	C:\Source\AtlaBase CEF Guide	AtlaBase.CommonExportFormat_2.11.0.xsd	2026-01-28 09:37:50 W. Europe Summer Time

2. Comparison summary

Description	Between Files 1 and 2	
	Text Blocks	Lines
Unchanged	7	3510
Changed	3	6
Inserted	3	47
Removed	0	0

3. Comparison options

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

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_2.10.0"	2	targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.11.0"
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_2.10.0"	4	xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.11.0"
5	elementFormDefault="qualified">	5	elementFormDefault="qualified">
6		6	
7	<!-- Document root -->	7	<!-- Document root -->
8	<xs:element name="AtlaBase.CommonExportFormat">	8	<xs:element name="AtlaBase.CommonExportFormat">
9	<xs:complexType>	9	<xs:complexType>
10	<xs:choice minOccurs="1" maxOccurs="unbounded">	10	<xs:choice minOccurs="1" maxOccurs="unbounded">
11	<xs:element name="Brand" type="cef:tBrand"/>	11	<xs:element name="Brand" type="cef:tBrand"/>
12	<xs:element name="Filter" type="cef:tFilter"/>	12	<xs:element name="Filter" type="cef:tFilter"/>
13	<xs:element name="Gobo" type="cef:tGobo"/>	13	<xs:element name="Gobo" type="cef:tGobo"/>
14	<xs:element name="Fixture" type="cef:tFixture"/>	14	<xs:element name="Fixture" type="cef:tFixture"/>
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		19	
20	<!-- Brand -->	20	<!-- Brand -->
21	<xs:complexType name="tBrand">	21	<xs:complexType name="tBrand">
22	<xs:sequence>	22	<xs:sequence>
23	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />	23	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
24	</xs:sequence>	24	</xs:sequence>
25	<xs:attribute name="Identifier" type="xs:string" use="required"/>	25	<xs:attribute name="Identifier" type="xs:string" use="required"/>
26	</xs:complexType>	26	</xs:complexType>
27		27	

```

28 <!-- Filter -->
29 <xs:complexType name="tFilter">
30   <xs:sequence>
31     <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
32     <xs:element name="HorizontalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
33   />
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 <xs:complexType name="tFilterColor">
46   <xs:sequence>
47     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
48       <xs:complexType>
49         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
50         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
51         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
52       </xs:complexType>
53     </xs:element>
54     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
55       <xs:complexType>
56         <xs:attribute name="x" type="xs:float" use="required" />
57         <xs:attribute name="y" type="xs:float" use="required" />
58         <xs:attribute name="Y" type="xs:float" use="required" />
59         <xs:attribute name="K" type="xs:unsignedShort" use="required" />
60       </xs:complexType>
61     </xs:element>
62   </xs:sequence>
63 </xs:complexType>
64 <!-- Gobo -->
65 <xs:complexType name="tGobo">
66   <xs:sequence>
67     <xs:element name="Type" type="cef:tGoboType" minOccurs="1" maxOccurs="1" />
68     <xs:element name="AnimationDiscRatio" minOccurs="0" maxOccurs="1">
69       <xs:simpleType>
70         <xs:restriction base="xs:float">
71           <xs:minExclusive value="0" />
72           <xs:maxInclusive value="1" />
73         </xs:restriction>
74       </xs:simpleType>
75     </xs:element>
76     <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
77     <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
78       <xs:complexType>
79         <xs:attribute name="Identifier" type="xs:string" use="required"/>
80         <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
81       </xs:complexType>
82     </xs:element>
83   </xs:sequence>
84 <xs:attribute name="Identifier" type="xs:string" use="required"/>
85 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
86 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
87 <xs:attribute name="Brand" type="xs:string" use="required"/>
88 <xs:attribute name="Code" type="xs:string" use="optional"/>
89 <xs:attribute name="Name" type="xs:string" use="optional"/>
90 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
91 <xs:attribute name="Origin" type="xs:string" use="optional"/>
92 </xs:complexType>
93 <!-- Fixture-->

```

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28 <!-- Filter -->
29 <xs:complexType name="tFilter">
30   <xs:sequence>
31     <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
32     <xs:element name="HorizontalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
33   />
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 <xs:complexType name="tFilterColor">
46   <xs:sequence>
47     <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
48       <xs:complexType>
49         <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
50         <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
51         <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
52       </xs:complexType>
53     </xs:element>
54     <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
55       <xs:complexType>
56         <xs:attribute name="x" type="xs:float" use="required" />
57         <xs:attribute name="y" type="xs:float" use="required" />
58         <xs:attribute name="Y" type="xs:float" use="required" />
59         <xs:attribute name="K" type="xs:unsignedShort" use="required" />
60       </xs:complexType>
61     </xs:element>
62   </xs:sequence>
63 </xs:complexType>
64 <!-- Gobo -->
65 <xs:complexType name="tGobo">
66   <xs:sequence>
67     <xs:element name="Type" type="cef:tGoboType" minOccurs="1" maxOccurs="1" />
68     <xs:element name="AnimationDiscRatio" minOccurs="0" maxOccurs="1">
69       <xs:simpleType>
70         <xs:restriction base="xs:float">
71           <xs:minExclusive value="0" />
72           <xs:maxInclusive value="1" />
73         </xs:restriction>
74       </xs:simpleType>
75     </xs:element>
76     <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
77     <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
78       <xs:complexType>
79         <xs:attribute name="Identifier" type="xs:string" use="required"/>
80         <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
81       </xs:complexType>
82     </xs:element>
83   </xs:sequence>
84 <xs:attribute name="Identifier" type="xs:string" use="required"/>
85 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
86 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
87 <xs:attribute name="Brand" type="xs:string" use="required"/>
88 <xs:attribute name="Code" type="xs:string" use="optional"/>
89 <xs:attribute name="Name" type="xs:string" use="optional"/>
90 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
91 <xs:attribute name="Origin" type="xs:string" use="optional"/>
92 </xs:complexType>
93 <!-- Fixture-->

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96 <xs:complexType name="tFixture">
97   <xs:sequence>
98     <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
99     <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
100    <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="
1" />
101    <xs:element name="RDM" minOccurs="0" maxOccurs="1">
102      <xs:complexType>
103        <xs:sequence>
104          <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
105            <xs:simpleType>
106              <xs:restriction base="xs:unsignedShort">
107                <xs:minInclusive value="1"/>
108                <xs:maxInclusive value="32767"/>
109              </xs:restriction>
110            </xs:simpleType>
111          </xs:element>
112          <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs
="1" maxOccurs="1"/>
113        </xs:sequence>
114      </xs:complexType>
115    </xs:element>
116    <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
117    <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
118    <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="
1" />
119    <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
120      <xs:complexType>
121        <xs:sequence>
122          <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxO
ccurs="1"/>
123          <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxO
ccurs="1"/>
124          <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOc
curs="1"/>
125          <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOc
curs="1"/>
126        </xs:sequence>
127      </xs:complexType>
128    </xs:element>
129    <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
130      <xs:simpleType>
131        <xs:restriction base="xs:string">
132          <xs:enumeration value="None" />
133          <xs:enumeration value="OrthogonalSinglePointShutters" />
134          <xs:enumeration value="OrthogonalTwoPointShutters" />
135          <xs:enumeration value="PerimetralSinglePointShutters" />
136          <xs:enumeration value="ExternalBarndoors" />
137          <xs:enumeration value="InternalBarndoors" />
138        </xs:restriction>
139      </xs:simpleType>
140    </xs:element>
141    <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
142      <xs:complexType>
143        <xs:sequence>
144          <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
145          <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs=
"0" maxOccurs="1" />
146          <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="
0" maxOccurs="1" />
147          <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
148          <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
149        </xs:sequence>
150      </xs:complexType>
151    </xs:element>
152    <xs:element name="FrostFlags" minOccurs="0" maxOccurs="1">

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96 <xs:complexType name="tFixture">
97   <xs:sequence>
98     <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
99     <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
100    <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="
1" />
101    <xs:element name="RDM" minOccurs="0" maxOccurs="1">
102      <xs:complexType>
103        <xs:sequence>
104          <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
105            <xs:simpleType>
106              <xs:restriction base="xs:unsignedShort">
107                <xs:minInclusive value="1"/>
108                <xs:maxInclusive value="32767"/>
109              </xs:restriction>
110            </xs:simpleType>
111          </xs:element>
112          <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs
="1" maxOccurs="1"/>
113        </xs:sequence>
114      </xs:complexType>
115    </xs:element>
116    <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
117    <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
118    <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="
1" />
119    <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
120      <xs:complexType>
121        <xs:sequence>
122          <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxO
ccurs="1"/>
123          <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxO
ccurs="1"/>
124          <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOc
curs="1"/>
125          <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOc
curs="1"/>
126        </xs:sequence>
127      </xs:complexType>
128    </xs:element>
129    <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
130      <xs:simpleType>
131        <xs:restriction base="xs:string">
132          <xs:enumeration value="None" />
133          <xs:enumeration value="OrthogonalSinglePointShutters" />
134          <xs:enumeration value="OrthogonalTwoPointShutters" />
135          <xs:enumeration value="PerimetralSinglePointShutters" />
136          <xs:enumeration value="ExternalBarndoors" />
137          <xs:enumeration value="InternalBarndoors" />
138        </xs:restriction>
139      </xs:simpleType>
140    </xs:element>
141    <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
142      <xs:complexType>
143        <xs:sequence>
144          <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
145          <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs=
"0" maxOccurs="1" />
146          <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="
0" maxOccurs="1" />
147          <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
148          <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0"
maxOccurs="1" />
149        </xs:sequence>
150      </xs:complexType>
151    </xs:element>
152    <xs:element name="FrostFlags" minOccurs="0" maxOccurs="1">

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153     <xs:complexType>
154         <xs:sequence>
155             <xs:element name="Flag" minOccurs="1" maxOccurs="unbounded">
156                 <xs:complexType>
157                     <xs:attribute name="Name" type="xs:string" use="optional"
/>
158                     <xs:attribute name="Frost" type="cef:tPositiveFloat" use="
required" />
159                     <xs:attribute name="Index" type="xs:unsignedInt" use="requ
ired"/>
160                 </xs:complexType>
161             </xs:element>
162         </xs:sequence>
163     </xs:complexType>
164 </xs:element>
165 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
166     <xs:complexType>
167         <xs:sequence>
168             <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="
1" />
169             <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1
" />
170             <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOc
curs="1" />
171             <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs
="1" />
172         </xs:sequence>
173         <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
174         <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
175     </xs:complexType>
176 </xs:element>
177 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
178     <xs:complexType>
179         <xs:sequence>
180             <xs:element name="Host" minOccurs="0" maxOccurs="1">
181                 <xs:complexType>
182                     <xs:attribute name="PartName" type="xs:string" use="requir
ed" />
183                     <xs:attribute name="AxisName" type="cef:tFixtureAxisName"
use="required" />
184                     <xs:attribute name="AxisIndex" type="xs:unsignedByte" use=
"required" />
185                 </xs:complexType>
186             </xs:element>
187             <xs:element name="Model" minOccurs="0" maxOccurs="1">
188                 <xs:complexType>
189                     <xs:sequence>
190                         <xs:element name="Shape" minOccurs="1" maxOccurs="1">
191                             <xs:simpleType>
192                                 <xs:restriction base="xs:string">
193                                     <xs:enumeration value="Box" />
194                                     <xs:enumeration value="Tube" />
195                                     <xs:enumeration value="Sphere" />
196                                     <xs:enumeration value="PAR" />
197                                     <xs:enumeration value="TubeWithBox" />
198                                     <xs:enumeration value="ConeWithTube" />
199                                     <xs:enumeration value="SymmetricEgg" />
200                                     <xs:enumeration value="FlatBottomEgg" />
201                                     <xs:enumeration value="FlatBottomTubeEgg"
/>
202                                     <xs:enumeration value="Scanner" />
203                                     <xs:enumeration value="YokeBase" />
204                                     <xs:enumeration value="YokeArm" />
205                                     <xs:enumeration value="FrontmountBox" />
206                                     <xs:enumeration value="FrontmountTube" />
207                                     <xs:enumeration value="FrontmountScanner"
/>
208                                 </xs:restriction>
209                             </xs:simpleType>

```

```

153     <xs:complexType>
154         <xs:sequence>
155             <xs:element name="Flag" minOccurs="1" maxOccurs="unbounded">
156                 <xs:complexType>
157                     <xs:attribute name="Name" type="xs:string" use="optional"
/>
158                     <xs:attribute name="Frost" type="cef:tPositiveFloat" use="
required" />
159                     <xs:attribute name="Index" type="xs:unsignedInt" use="requ
ired"/>
160                 </xs:complexType>
161             </xs:element>
162         </xs:sequence>
163     </xs:complexType>
164 </xs:element>
165 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
166     <xs:complexType>
167         <xs:sequence>
168             <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="
1" />
169             <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1
" />
170             <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOc
curs="1" />
171             <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs
="1" />
172         </xs:sequence>
173         <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
174         <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
175     </xs:complexType>
176 </xs:element>
177 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
178     <xs:complexType>
179         <xs:sequence>
180             <xs:element name="Host" minOccurs="0" maxOccurs="1">
181                 <xs:complexType>
182                     <xs:attribute name="PartName" type="xs:string" use="requir
ed" />
183                     <xs:attribute name="AxisName" type="cef:tFixtureAxisName"
use="required" />
184                     <xs:attribute name="AxisIndex" type="xs:unsignedByte" use=
"required" />
185                 </xs:complexType>
186             </xs:element>
187             <xs:element name="Model" minOccurs="0" maxOccurs="1">
188                 <xs:complexType>
189                     <xs:sequence>
190                         <xs:element name="Shape" minOccurs="1" maxOccurs="1">
191                             <xs:simpleType>
192                                 <xs:restriction base="xs:string">
193                                     <xs:enumeration value="Box" />
194                                     <xs:enumeration value="Tube" />
195                                     <xs:enumeration value="Sphere" />
196                                     <xs:enumeration value="PAR" />
197                                     <xs:enumeration value="TubeWithBox" />
198                                     <xs:enumeration value="ConeWithTube" />
199                                     <xs:enumeration value="SymmetricEgg" />
200                                     <xs:enumeration value="FlatBottomEgg" />
201                                     <xs:enumeration value="FlatBottomTubeEgg"
/>
202                                     <xs:enumeration value="Scanner" />
203                                     <xs:enumeration value="YokeBase" />
204                                     <xs:enumeration value="YokeArm" />
205                                     <xs:enumeration value="FrontmountBox" />
206                                     <xs:enumeration value="FrontmountTube" />
207                                     <xs:enumeration value="FrontmountScanner"
/>
208                                 </xs:restriction>
209                             </xs:simpleType>

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210	</xs:element>	210	</xs:element>
211	<xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />	211	<xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
212	<xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />	212	<xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
213	<xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />	213	<xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
214	<xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />	214	<xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />
215	</xs:sequence>	215	</xs:sequence>
216	</xs:complexType>	216	</xs:complexType>
217	</xs:element>	217	</xs:element>
218	</xs:sequence>	218	</xs:sequence>
219	<xs:attribute name="Name" type="xs:string" use="required" />	219	<xs:attribute name="Name" type="xs:string" use="required" />
220	</xs:complexType>	220	</xs:complexType>
221	</xs:element>	221	</xs:element>
222	<xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">	222	<xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
223	<xs:complexType>	223	<xs:complexType>
224	<xs:sequence>	224	<xs:sequence>
225	<xs:element name="Host" minOccurs="0" maxOccurs="1">	225	<xs:element name="Host" minOccurs="0" maxOccurs="1">
226	<xs:complexType>	226	<xs:complexType>
227	<xs:attribute name="PartName" type="xs:string" use="required" />	227	<xs:attribute name="PartName" type="xs:string" use="required" />
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232	<xs:sequence>	232	<xs:sequence>
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236	<xs:attribute name="Y" type="xs:float" use="required" />	236	<xs:attribute name="Y" type="xs:float" use="required" />
237	<xs:attribute name="Z" type="xs:float" use="required" />	237	<xs:attribute name="Z" type="xs:float" use="required" />
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243	<xs:attribute name="Y" type="xs:float" use="required" />	243	<xs:attribute name="Y" type="xs:float" use="required" />
244	<xs:attribute name="Z" type="xs:float" use="required" />	244	<xs:attribute name="Z" type="xs:float" use="required" />
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251	<xs:attribute name="Z" type="xs:float" use="required" />	251	<xs:attribute name="Z" type="xs:float" use="required" />
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253	</xs:element>	253	</xs:element>
254	</xs:sequence>	254	</xs:sequence>
255	</xs:complexType>	255	</xs:complexType>
256	</xs:element>	256	</xs:element>
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261	<xs:enumeration value="Light" />	261	<xs:enumeration value="Light" />
262	<xs:enumeration value="VideoProjector" />	262	<xs:enumeration value="VideoProjector" />
263	<xs:enumeration value="VideoPanel" />	263	<xs:enumeration value="VideoPanel" />

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264         <xs:enumeration value="Laser" />
265     </xs:restriction>
266 </xs:simpleType>
267 </xs:element>
268 <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
269     <xs:complexType>
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e="required" />
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"required" />
272     </xs:complexType>
273 </xs:element>
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278             <xs:element name="Red" type="cef:tFixtureLightSourceCo
lour" minOccurs="0" maxOccurs="1" />
279             <xs:element name="Green" type="cef:tFixtureLightSource
Colour" minOccurs="0" maxOccurs="1" />
280             <xs:element name="Blue" type="cef:tFixtureLightSourceC
olour" minOccurs="0" maxOccurs="1" />
281             <xs:element name="Auxiliary1" type="cef:tFixtureLightS
ourceColour" minOccurs="0" maxOccurs="1" />
282             <xs:element name="Auxiliary2" type="cef:tFixtureLightS
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ourceColour" minOccurs="0" maxOccurs="1" />
285             <xs:element name="Auxiliary5" type="cef:tFixtureLightS
ourceColour" minOccurs="0" maxOccurs="1" />
286         </xs:sequence>
287     </xs:complexType>
288 </xs:element>
289 <xs:element name="ColourMixing" minOccurs="1" maxOccurs="1">
290     <xs:complexType>
291         <xs:sequence>
292             <xs:element name="ShutterRelation" minOccurs="1" maxOc
curs="1">
293                 <xs:simpleType>
294                     <xs:restriction base="xs:string">
295                         <xs:enumeration value="Separated" />
296                         <xs:enumeration value="Integrated" />
297                     </xs:restriction>
298                 </xs:simpleType>
299             </xs:element>
300             <xs:element name="CIE" minOccurs="0" maxOccurs="1">
301                 <xs:complexType>
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303                     <xs:attribute name="ChromaticityXMax" type="ce
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304                     <xs:attribute name="ChromaticityYMin" type="ce
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305                     <xs:attribute name="ChromaticityYMax" type="ce
f:tChromaticityValue" use="required" />
306                 </xs:complexType>
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308         </xs:sequence>
309     </xs:complexType>
310 </xs:element>
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312     <xs:complexType>
313         <xs:sequence>
314             <xs:element name="Wattage" type="xs:float" minOccurs="
1" maxOccurs="1" />
315             <xs:element name="Shift" minOccurs="0" maxOccurs="1">

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267 </xs:element>
268 <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
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e="required" />
271         <xs:attribute name="Vertical" type="xs:unsignedShort" use=
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273 </xs:element>
274 <xs:element name="Colours" minOccurs="0" maxOccurs="1">
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276         <xs:sequence>
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lour" minOccurs="0" maxOccurs="1" />
279             <xs:element name="Green" type="cef:tFixtureLightSource
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280             <xs:element name="Blue" type="cef:tFixtureLightSourceC
olour" minOccurs="0" maxOccurs="1" />
281             <xs:element name="Auxiliary1" type="cef:tFixtureLightS
ourceColour" minOccurs="0" maxOccurs="1" />
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283             <xs:element name="Auxiliary3" type="cef:tFixtureLightS
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284             <xs:element name="Auxiliary4" type="cef:tFixtureLightS
ourceColour" minOccurs="0" maxOccurs="1" />
285             <xs:element name="Auxiliary5" type="cef:tFixtureLightS
ourceColour" minOccurs="0" maxOccurs="1" />
286         </xs:sequence>
287     </xs:complexType>
288 </xs:element>
289 <xs:element name="ColourMixing" minOccurs="1" maxOccurs="1">
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curs="1">
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294                     <xs:restriction base="xs:string">
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307             </xs:element>
308         </xs:sequence>
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312     <xs:complexType>
313         <xs:sequence>
314             <xs:element name="Wattage" type="xs:float" minOccurs="
1" maxOccurs="1" />
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e="cef:tPositiveFloat" minOccurs="1" maxOccurs="1" />
321             </xs:sequence>
322         </xs:complexType>
323     </xs:element>
324     <xs:element name="Narrow" type="cef:tFixtureLightSourc
eOpticTraits" minOccurs="0" maxOccurs="1" />
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pticTraits" minOccurs="0" maxOccurs="1" />
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328     <xs:attribute name="Name" type="xs:string" use="required"/>
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333         <xs:restriction base="xs:string">
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335             <xs:enumeration value="SquareSharp" />
336             <xs:enumeration value="RoundPC" />
337             <xs:enumeration value="RoundFresnel" />
338             <xs:enumeration value="RoundPAR" />
339             <xs:enumeration value="SquareSymmetric" />
340             <xs:enumeration value="SquareAssymetric" />
341             <xs:enumeration value="RoundLambertian" />
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343             <xs:enumeration value="SquarePanel" />
344             <xs:enumeration value="DonutLambertian" />
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346             <xs:enumeration value="RoundBeam" />
347             <xs:enumeration value="Spherical" />
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349     </xs:simpleType>
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355         <xs:attribute name="Y" type="xs:float" use="required" />
356         <xs:attribute name="Diameter" type="xs:float" use="optiona
l" />
357         <xs:attribute name="Width" type="xs:float" use="optional"
/>
358         <xs:attribute name="Height" type="xs:float" use="optional"
/>
359         <xs:attribute name="PixelPitch" type="xs:float" use="optio
nal" />
360         <xs:attribute name="PixelSize" type="xs:float" use="option
al" />
361         <xs:attribute name="InnerDiameter" type="xs:float" use="op
tional" />
362         <xs:attribute name="OuterDiameter" type="xs:float" use="op
tional" />
363         <xs:attribute name="StartAngle" type="xs:float" use="optio
nal" />
364         <xs:attribute name="EndAngle" type="xs:float" use="optiona
l" />
365     </xs:complexType>
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367 </xs:sequence>
368 <xs:attribute name="Name" type="xs:string" use="optional"/>

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317             <xs:sequence>
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321             </xs:sequence>
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323     </xs:element>
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341             <xs:enumeration value="RoundLambertian" />
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358         <xs:attribute name="Height" type="xs:float" use="optional"
/>
359         <xs:attribute name="PixelPitch" type="xs:float" use="optio
nal" />
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al" />
361         <xs:attribute name="InnerDiameter" type="xs:float" use="op
tional" />
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tional" />
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nal" />
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l" />
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367 </xs:sequence>
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375                     <xs:simpleType>
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378                             <xs:enumeration value="Scroller" />
379                         </xs:restriction>
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381                 </xs:element>
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383                 <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" m
axOccurs="1"/>
384                 <xs:element name="MinFrameRotationTime" type="xs:float" minOccurs=
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385                 <xs:element name="MaxFrameRotationTime" type="xs:float" minOccurs=
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386                 <xs:element name="Slots">
387                     <xs:complexType>
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389                             <xs:element name="Open">
390                                 <xs:complexType></xs:complexType>
391                             </xs:element>
392                             <xs:element name="Filter">
393                                 <xs:complexType>
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395                                     <xs:attribute name="Brand" type="xs:string" us
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396                                     <xs:attribute name="Code" type="xs:string" use
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397                                     <xs:attribute name="Name" type="xs:string" use
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398                                     <xs:attribute name="PartNo" type="xs:string" u
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se="optional"/>
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401                             </xs:element>
402                             <xs:element name="Gobo">
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se="optional"/>
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se="optional"/>
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419             <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
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369         </xs:complexType>
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371     <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
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375                     <xs:simpleType>
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378                             <xs:enumeration value="Scroller" />
379                         </xs:restriction>
380                     </xs:simpleType>
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axOccurs="1"/>
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387                     <xs:complexType>
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391                             </xs:element>
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se="optional"/>
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```
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448                       <xs:element name="SetLightEnabled" type="c
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449                       <xs:element name="SetLightIntensityLevel"
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dex" type="cef:tSetCellLightColorRenderingIndexLevelCommand" minOccurs="0" maxOccurs="unbo
unded" />
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453                       <xs:element name="SetWhiteLightLevel" type
="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
454                       <xs:element name="SetRedLightLevel" type="
cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
455                       <xs:element name="SetGreenLightLevel" type
="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
456                       <xs:element name="SetBlueLightLevel" type=
"cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
457                       <xs:element name="SetAuxColor1LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
458                       <xs:element name="SetAuxColor2LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
459                       <xs:element name="SetAuxColor3LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
460                       <xs:element name="SetAuxColor4LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
461                       <xs:element name="SetAuxColor5LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
462                       <xs:element name="SetLightColorTemperature
Level" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbou
unded" />
463                       <xs:element name="SetLightColorTemperature
LevelRange" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="
unbounded" />
464                       <xs:element name="SetLightRangedColorTempe
ratureLevel" type="cef:tSetCellLightLevelCommand" minOccurs="0" maxOccurs="unbounded" />
465                       <xs:element name="SetLightColorTemperature
```

```
421     </xs:element>
422     <xs:element name="DmxMode" minOccurs="0" maxOccurs="unbounded">
423       <xs:complexType>
424         <xs:sequence>
425           <xs:element name="Option" minOccurs="0" maxOccurs="unbounded">
426             <xs:complexType>
427               <xs:attribute name="Name" type="xs:string" use="required"
/>
428               <xs:attribute name="Type" use="required">
429                 <xs:simpleType>
430                   <xs:restriction base="xs:string">
431                     <xs:enumeration value="Integer" />
432                     <xs:enumeration value="Boolean" />
433                     <xs:enumeration value="Text" />
434                   </xs:restriction>
435                 </xs:simpleType>
436               </xs:attribute>
437               <xs:attribute name="Value" type="xs:string" use="required"
/>
438             </xs:complexType>
439           </xs:element>
440           <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
441             <xs:complexType>
442               <xs:sequence>
443                 <xs:element name="Channel" minOccurs="1" maxOccurs="
unbounded">
444                   <xs:complexType>
445                     <xs:choice minOccurs="0" maxOccurs="unbounded">
446                       <!-- Additive light output -->
447                       <xs:element name="SetLightSuperIntensityLe
vel" type="cef:tSimpleCellLevelCommand" minOccurs="0" maxOccurs="unbounded" />
448                       <xs:element name="SetLightEnabled" type="c
ef:tSetCellLightEnabledCommand" minOccurs="0" maxOccurs="unbounded" />
449                       <xs:element name="SetLightIntensityLevel"
type="cef:tSimpleCellLevelCommand" minOccurs="0" maxOccurs="unbounded" />
450                       <xs:element name="SetLightColorRenderingIn
dex" type="cef:tSetCellLightColorRenderingIndexLevelCommand" minOccurs="0" maxOccurs="unbo
unded" />
451                       <xs:element name="SetLightMode" type="cef:
tSetLightModeCommand" minOccurs="0" maxOccurs="unbounded" />
452                       <xs:element name="SetLightModesMixLevel" t
ype="cef:tSetLightModesMixLevelCommand" minOccurs="0" maxOccurs="unbounded" />
453                       <xs:element name="SetWhiteLightLevel" type
="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
454                       <xs:element name="SetRedLightLevel" type="
cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
455                       <xs:element name="SetGreenLightLevel" type
="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
456                       <xs:element name="SetBlueLightLevel" type=
"cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
457                       <xs:element name="SetAuxColor1LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
458                       <xs:element name="SetAuxColor2LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
459                       <xs:element name="SetAuxColor3LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
460                       <xs:element name="SetAuxColor4LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
461                       <xs:element name="SetAuxColor5LightLevel"
type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
462                       <xs:element name="SetLightColorTemperature
Level" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbou
unded" />
463                       <xs:element name="SetLightColorTemperature
LevelRange" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="
unbounded" />
464                       <xs:element name="SetLightRangedColorTempe
ratureLevel" type="cef:tSetCellLightLevelCommand" minOccurs="0" maxOccurs="unbounded" />
465                       <xs:element name="SetLightColorTemperature
```



```

567         <xs:element name="SetMacroColorGreenLevel"
568         type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
569         <xs:element name="SetMacroColorBlueLevel"
570         type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
571         <xs:element name="SetMacroColorWhiteLevel"
572         type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
573         <xs:element name="SetMacroShutterOpen" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
574         <xs:element name="SetMacroShutterClosed" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
575         <xs:element name="SetMacroShutterStrobe" type="cef:tSimpleStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
576         <xs:element name="SetMacroShutterSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
577         <xs:element name="SetMacroSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
578         <xs:element name="SetMacroDirection" type="cef:tSetMacroDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
579         <xs:element name="SetMacroRotationPosition" type="cef:tSetMacroRotationPositionCommand" minOccurs="0" maxOccurs="unbounded" />
580         <xs:element name="SetMacroRotationSpin" type="cef:tSetMacroRotationSpinCommand" minOccurs="0" maxOccurs="unbounded" />
581         <xs:element name="SetMacroRotationDirection" type="cef:tSetMacroRotationDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
582         <xs:element name="SetMacroFadeTime" type="cef:tSetMacroFadeTimeCommand" minOccurs="0" maxOccurs="unbounded" />
583         <xs:element name="CustomMacroCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
584         <!-- Specials -->
585         <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
586         <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
587         <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" minOccurs="0" maxOccurs="unbounded" />
588         <xs:element name="CustomLampCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
589         <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
590         <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
591         <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
592         <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minOccurs="0" maxOccurs="unbounded" />
593         <xs:element name="CustomFanCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
594         <xs:element name="Reset" type="cef:tResetCommand" minOccurs="0" maxOccurs="unbounded" />
595         <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
596         <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs="0" maxOccurs="unbounded" />
597         <xs:element name="CustomCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
598         <xs:element name="SetPreset" type="cef:tPresetCommand" minOccurs="0" maxOccurs="unbounded" />
599         <xs:element name="SetPresetScroll" type="cef:tPresetScrollCommand" minOccurs="0" maxOccurs="unbounded" />
600         <xs:element name="SetPresetScrollSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
601         <xs:element name="Macro" type="cef:tTextCommand" minOccurs="0" maxOccurs="unbounded" />
602     </xs:choice>
603     <xs:attribute name="Type" use="required">
604         <xs:simpleType>
605             <xs:restriction base="xs:string">
606                 <xs:enumeration value="8Bit" />
607                 <xs:enumeration value="16BitMsb" />

```

```

605         <xs:enumeration value="16BitLsb" />
606     </xs:restriction>
607 </xs:simpleType>
608 </xs:attribute>
609 <xs:attribute name="OsbChannelIndex" type="xs:
unsignedInt" use="optional" />
610 <xs:attribute name="ExternalModeStart" type="x
s:string" use="optional" />
611 <xs:attribute name="GroupName" type="xs:string
" use="optional"/>
612 <xs:attribute name="Name" type="xs:string" use
="required"/>
613 <xs:attribute name="ShortName" type="xs:string
" use="optional"/>
614 <xs:attribute name="Cells" use="optional">
615     <xs:simpleType>
616         <xs:restriction base="xs:string">
617             <xs:pattern value="\d+(-\d+)?(,\d
+(-\d+)?))*" />
618         </xs:restriction>
619     </xs:simpleType>
620 </xs:attribute>
621 <xs:attribute name="DefaultLevel" type="xs:uns
ignedInt" use="optional"/>
622 <xs:attribute name="ExplicitDefaultLevel" type
="xs:unsignedInt" use="optional"/>
623 <xs:attribute name="LocateLevel" type="xs:unsi
gnedInt" use="optional"/>
624 </xs:complexType>
625 </xs:element>
626 </xs:sequence>
627 </xs:complexType>
628 </xs:element>
629 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
630     <xs:complexType>
631         <xs:sequence minOccurs="1" maxOccurs="unbounded">
632             <xs:element name="Step" minOccurs="1" maxOccurs="unbou
nded">
633                 <xs:complexType>
634                     <xs:sequence>
635                         <xs:element name="Parameter" minOccurs="0"
maxOccurs="unbounded">
636                             <xs:complexType>
637                                 <xs:attribute name="ChannelIndex"
type="xs:unsignedInt" use="required" />
638                                 <xs:attribute name="DMX" type="xs:
int" use="required" />
639                             </xs:complexType>
640                         </xs:element>
641                     </xs:sequence>
642                     <xs:attribute name="Time" type="xs:float" use=
"required" />
643                 </xs:complexType>
644             </xs:element>
645         </xs:sequence>
646         <xs:attribute name="Type" use="required">
647             <xs:simpleType>
648                 <xs:restriction base="xs:string">
649                     <xs:enumeration value="Custom" />
650                     <xs:enumeration value="Lock" />
651                     <xs:enumeration value="Unlock" />
652                     <xs:enumeration value="LampOn" />
653                     <xs:enumeration value="LampOff" />
654                     <xs:enumeration value="LampModeNormal" />
655                     <xs:enumeration value="LampModeLowPower" />
656                     <xs:enumeration value="ResetComplete" />
657                     <xs:enumeration value="ResetPanTilt" />
658                     <xs:enumeration value="ResetColour" />
659                     <xs:enumeration value="ResetGobo" />
608         <xs:enumeration value="16BitLsb" />
609     </xs:restriction>
610 </xs:simpleType>
611 </xs:attribute>
612 <xs:attribute name="OsbChannelIndex" type="xs:
unsignedInt" use="optional" />
613 <xs:attribute name="ExternalModeStart" type="x
s:string" use="optional" />
614 <xs:attribute name="GroupName" type="xs:string
" use="optional"/>
615 <xs:attribute name="Name" type="xs:string" use
="required"/>
616 <xs:attribute name="ShortName" type="xs:string
" use="optional"/>
617 <xs:attribute name="Cells" use="optional">
618     <xs:simpleType>
619         <xs:restriction base="xs:string">
620             <xs:pattern value="\d+(-\d+)?(,\d
+(-\d+)?))*" />
621         </xs:restriction>
622     </xs:simpleType>
623 </xs:attribute>
624 <xs:attribute name="DefaultLevel" type="xs:uns
ignedInt" use="optional"/>
625 <xs:attribute name="ExplicitDefaultLevel" type
="xs:unsignedInt" use="optional"/>
626 <xs:attribute name="LocateLevel" type="xs:unsi
gnedInt" use="optional"/>
627 </xs:complexType>
628 </xs:element>
629 </xs:sequence>
630 </xs:complexType>
631 </xs:element>
632 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
633     <xs:complexType>
634         <xs:sequence minOccurs="1" maxOccurs="unbounded">
635             <xs:element name="Step" minOccurs="1" maxOccurs="unbou
nded">
636                 <xs:complexType>
637                     <xs:sequence>
638                         <xs:element name="Parameter" minOccurs="0"
maxOccurs="unbounded">
639                             <xs:complexType>
640                                 <xs:attribute name="ChannelIndex"
type="xs:unsignedInt" use="required" />
641                                 <xs:attribute name="DMX" type="xs:
int" use="required" />
642                             </xs:complexType>
643                         </xs:element>
644                     </xs:sequence>
645                     <xs:attribute name="Time" type="xs:float" use=
"required" />
646                 </xs:complexType>
647             </xs:element>
648         </xs:sequence>
649         <xs:attribute name="Type" use="required">
650             <xs:simpleType>
651                 <xs:restriction base="xs:string">
652                     <xs:enumeration value="Custom" />
653                     <xs:enumeration value="Lock" />
654                     <xs:enumeration value="Unlock" />
655                     <xs:enumeration value="LampOn" />
656                     <xs:enumeration value="LampOff" />
657                     <xs:enumeration value="LampModeNormal" />
658                     <xs:enumeration value="LampModeLowPower" />
659                     <xs:enumeration value="ResetComplete" />
660                     <xs:enumeration value="ResetPanTilt" />
661                     <xs:enumeration value="ResetColour" />
662                     <xs:enumeration value="ResetGobo" />

```

```

660         <xs:enumeration value="ResetStrobe" />
661         <xs:enumeration value="ResetFocus" />
662         <xs:enumeration value="ResetZoom" />
663         <xs:enumeration value="ResetFrost" />
664         <xs:enumeration value="ResetIris" />
665         <xs:enumeration value="ResetAllInternal" />
666         <xs:enumeration value="FanModeSlow" />
667         <xs:enumeration value="FanModeFast" />
668     </xs:restriction>
669 </xs:simpleType>
670 </xs:attribute>
671 <xs:attribute name="CustomGroupName" type="xs:string" use=
"optional" />
672     <xs:attribute name="CustomName" type="xs:string" use="opti
onal" />
673 </xs:complexType>
674 </xs:element>
675 </xs:sequence>
676 <xs:attribute name="Identifier" type="xs:string" use="required"/>
677 <xs:attribute name="Name" type="xs:string" use="required"/>
678 <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="requir
ed"/>
679     <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
680     <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
681 </xs:complexType>
682 </xs:element>
683 </xs:sequence>
684 <xs:attribute name="Identifier" type="xs:string" use="required"/>
685 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
686 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
687 <xs:attribute name="Brand" type="xs:string" use="required"/>
688 <xs:attribute name="Name" type="xs:string" use="required"/>
689 <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
690 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
691 </xs:complexType>
692
693 <xs:complexType name="tFixtureColorFlag">
694     <xs:sequence>
695         <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
696         <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
697     </xs:sequence>
698 </xs:complexType>
699
700 <xs:simpleType name="tFixtureAxisName">
701     <xs:restriction base="xs:string">
702         <xs:enumeration value="Pan" />
703         <xs:enumeration value="Tilt" />
704         <xs:enumeration value="Pitch" />
705     </xs:restriction>
706 </xs:simpleType>
707
708 <xs:complexType name="tFixtureLightSourceColour">
709     <xs:sequence>
710         <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
711             <xs:complexType>
712                 <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
713                 <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
714                 <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
715             </xs:complexType>
716         </xs:element>
717         <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
718             <xs:complexType>
719                 <xs:attribute name="x" type="xs:float" use="required" />
720                 <xs:attribute name="y" type="xs:float" use="required" />
721                 <xs:attribute name="Y" type="xs:float" use="required" />
722             </xs:complexType>
723         </xs:element>
724     </xs:sequence>
725     <xs:attribute name="Name" type="xs:string" use="optional" />
663         <xs:enumeration value="ResetStrobe" />
664         <xs:enumeration value="ResetFocus" />
665         <xs:enumeration value="ResetZoom" />
666         <xs:enumeration value="ResetFrost" />
667         <xs:enumeration value="ResetIris" />
668         <xs:enumeration value="ResetAllInternal" />
669         <xs:enumeration value="FanModeSlow" />
670         <xs:enumeration value="FanModeFast" />
671     </xs:restriction>
672 </xs:simpleType>
673 </xs:attribute>
674 <xs:attribute name="CustomGroupName" type="xs:string" use=
"optional" />
675     <xs:attribute name="CustomName" type="xs:string" use="opti
onal" />
676 </xs:complexType>
677 </xs:element>
678 </xs:sequence>
679 <xs:attribute name="Identifier" type="xs:string" use="required"/>
680 <xs:attribute name="Name" type="xs:string" use="required"/>
681 <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="requir
ed"/>
682     <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
683     <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
684 </xs:complexType>
685 </xs:element>
686 </xs:sequence>
687 <xs:attribute name="Identifier" type="xs:string" use="required"/>
688 <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
689 <xs:attribute name="VersionDate" type="xs:date" use="required"/>
690 <xs:attribute name="Brand" type="xs:string" use="required"/>
691 <xs:attribute name="Name" type="xs:string" use="required"/>
692 <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
693 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
694 </xs:complexType>
695
696 <xs:complexType name="tFixtureColorFlag">
697     <xs:sequence>
698         <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
699         <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
700     </xs:sequence>
701 </xs:complexType>
702
703 <xs:simpleType name="tFixtureAxisName">
704     <xs:restriction base="xs:string">
705         <xs:enumeration value="Pan" />
706         <xs:enumeration value="Tilt" />
707         <xs:enumeration value="Pitch" />
708     </xs:restriction>
709 </xs:simpleType>
710
711 <xs:complexType name="tFixtureLightSourceColour">
712     <xs:sequence>
713         <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
714             <xs:complexType>
715                 <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
716                 <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
717                 <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
718             </xs:complexType>
719         </xs:element>
720         <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
721             <xs:complexType>
722                 <xs:attribute name="x" type="xs:float" use="required" />
723                 <xs:attribute name="y" type="xs:float" use="required" />
724                 <xs:attribute name="Y" type="xs:float" use="required" />
725             </xs:complexType>
726         </xs:element>
727     </xs:sequence>
728     <xs:attribute name="Name" type="xs:string" use="optional" />

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```

726 </xs:complexType>
727
728 <xs:complexType name="tFixtureLightSourceOpticTraits">
729   <xs:sequence>
730     <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs=
s="1" />
731     <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs=
"1" />
732     <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
733       <xs:complexType>
734         <xs:sequence>
735           <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxO
ccurs="1" />
736         </xs:sequence>
737       </xs:complexType>
738     </xs:element>
739   </xs:sequence>
740 </xs:complexType>
741
742 <!-- Symbol -->
743 <xs:complexType name="tSymbol">
744   <xs:sequence>
745     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
746       <xs:complexType>
747         <xs:sequence>
748           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
749             <xs:complexType>
750               <xs:attribute name="X" type="xs:float" use="required" />
751               <xs:attribute name="Y" type="xs:float" use="required" />
752             </xs:complexType>
753           </xs:element>
754         </xs:sequence>
755         <xs:attribute name="Type" use="required">
756           <xs:simpleType>
757             <xs:restriction base="xs:string">
758               <xs:enumeration value="Fill" />
759               <xs:enumeration value="Line" />
760             </xs:restriction>
761           </xs:simpleType>
762         </xs:attribute>
763       </xs:complexType>
764     </xs:element>
765   </xs:sequence>
766   <xs:attribute name="Identifier" type="xs:string" use="required"/>
767   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
768   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
769   <xs:attribute name="Brand" type="xs:string" use="required"/>
770   <xs:attribute name="Name" type="xs:string" use="optional"/>
771 </xs:complexType>
772
773 <!-- Generic DMX Mode command types -->
774 <xs:complexType name="tSimpleCommand">
775   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
776   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
777 </xs:complexType>
778
779 <xs:complexType name="tSimpleLevelCommand">
780   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
781   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
782   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
783   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
784 </xs:complexType>
785
786 <xs:complexType name="tSimpleCellLevelCommand">
787   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
788   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
789   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
790   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
791   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>

```

```

729 </xs:complexType>
730
731 <xs:complexType name="tFixtureLightSourceOpticTraits">
732   <xs:sequence>
733     <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs=
s="1" />
734     <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs=
"1" />
735     <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
736       <xs:complexType>
737         <xs:sequence>
738           <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxO
ccurs="1" />
739         </xs:sequence>
740       </xs:complexType>
741     </xs:element>
742   </xs:sequence>
743 </xs:complexType>
744
745 <!-- Symbol -->
746 <xs:complexType name="tSymbol">
747   <xs:sequence>
748     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
749       <xs:complexType>
750         <xs:sequence>
751           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
752             <xs:complexType>
753               <xs:attribute name="X" type="xs:float" use="required" />
754               <xs:attribute name="Y" type="xs:float" use="required" />
755             </xs:complexType>
756           </xs:element>
757         </xs:sequence>
758         <xs:attribute name="Type" use="required">
759           <xs:simpleType>
760             <xs:restriction base="xs:string">
761               <xs:enumeration value="Fill" />
762               <xs:enumeration value="Line" />
763             </xs:restriction>
764           </xs:simpleType>
765         </xs:attribute>
766       </xs:complexType>
767     </xs:element>
768   </xs:sequence>
769   <xs:attribute name="Identifier" type="xs:string" use="required"/>
770   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
771   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
772   <xs:attribute name="Brand" type="xs:string" use="required"/>
773   <xs:attribute name="Name" type="xs:string" use="optional"/>
774 </xs:complexType>
775
776 <!-- Generic DMX Mode command types -->
777 <xs:complexType name="tSimpleCommand">
778   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
779   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
780 </xs:complexType>
781
782 <xs:complexType name="tSimpleLevelCommand">
783   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
784   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
785   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
786   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
787 </xs:complexType>
788
789 <xs:complexType name="tSimpleCellLevelCommand">
790   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
791   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
792   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
793   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
794   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>

```



```

995     <xs:attribute name="ToTiming" use="required">
996         <xs:simpleType>
997             <xs:restriction base="xs:string">
998                 <xs:enumeration value="Absolute" />
999                 <xs:enumeration value="Relative" />
1000             </xs:restriction>
1001         </xs:simpleType>
1002     </xs:attribute>
1003     <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required" />
1004     <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required" />
1005 </xs:complexType>
1006
1007 <xs:complexType name="tSetFocusModeCommand">
1008     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1009     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1010     <xs:attribute name="ToMode" use="required">
1011         <xs:simpleType>
1012             <xs:restriction base="xs:string">
1013                 <xs:enumeration value="Normal" />
1014                 <xs:enumeration value="Auto" />
1015             </xs:restriction>
1016         </xs:simpleType>
1017     </xs:attribute>
1018 </xs:complexType>
1019
1020 <xs:complexType name="tSetFrostLevelCommand">
1021     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1022     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1023     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required" />
1024     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required" />
1025     <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required" />
1026 </xs:complexType>
1027
1028 <xs:complexType name="tSetFrostStrobeCommand">
1029     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1030     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1031     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required" />
1032     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required" />
1033     <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required" />
1034     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required" />
1035     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required" />
1036 </xs:complexType>
1037
1038 <xs:complexType name="tCustomFrostCommand">
1039     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1040     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1041     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional" />
1042     <xs:attribute name="Usage" use="required">
1043         <xs:simpleType>
1044             <xs:restriction base="xs:string">
1045                 <xs:enumeration value="Snap" />
1046                 <xs:enumeration value="Range" />
1047             </xs:restriction>
1048         </xs:simpleType>
1049     </xs:attribute>
1050     <xs:attribute name="Description" type="xs:string" use="required" />
1051     <xs:attribute name="ShortDescription" type="xs:string" use="optional" />
1052     <xs:attribute name="From" type="xs:string" use="optional" />
1053     <xs:attribute name="To" type="xs:string" use="optional" />
1054 </xs:complexType>
1055
998     <xs:attribute name="ToTiming" use="required">
999         <xs:simpleType>
1000             <xs:restriction base="xs:string">
1001                 <xs:enumeration value="Absolute" />
1002                 <xs:enumeration value="Relative" />
1003             </xs:restriction>
1004         </xs:simpleType>
1005     </xs:attribute>
1006     <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required" />
1007     <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required" />
1008 </xs:complexType>
1009
1010 <xs:complexType name="tSetFocusModeCommand">
1011     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1012     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1013     <xs:attribute name="ToMode" use="required">
1014         <xs:simpleType>
1015             <xs:restriction base="xs:string">
1016                 <xs:enumeration value="Normal" />
1017                 <xs:enumeration value="Auto" />
1018             </xs:restriction>
1019         </xs:simpleType>
1020     </xs:attribute>
1021 </xs:complexType>
1022
1023 <xs:complexType name="tSetFrostLevelCommand">
1024     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1025     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1026     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required" />
1027     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required" />
1028     <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required" />
1029 </xs:complexType>
1030
1031 <xs:complexType name="tSetFrostStrobeCommand">
1032     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1033     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1034     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required" />
1035     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required" />
1036     <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required" />
1037     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required" />
1038     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required" />
1039 </xs:complexType>
1040
1041 <xs:complexType name="tCustomFrostCommand">
1042     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1043     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1044     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional" />
1045     <xs:attribute name="Usage" use="required">
1046         <xs:simpleType>
1047             <xs:restriction base="xs:string">
1048                 <xs:enumeration value="Snap" />
1049                 <xs:enumeration value="Range" />
1050             </xs:restriction>
1051         </xs:simpleType>
1052     </xs:attribute>
1053     <xs:attribute name="Description" type="xs:string" use="required" />
1054     <xs:attribute name="ShortDescription" type="xs:string" use="optional" />
1055     <xs:attribute name="From" type="xs:string" use="optional" />
1056     <xs:attribute name="To" type="xs:string" use="optional" />
1057 </xs:complexType>
1058
1059 <xs:complexType name="tSetChipEffectModeCommand">
1060     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required" />
1061     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required" />
1062     <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
1063     <xs:attribute name="ToMode" use="required">
1064         <xs:simpleType>

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1065         <xs:restriction base="xs:string">
1066             <xs:enumeration value="Open" />
1067             <xs:enumeration value="Spinning" />
1068         </xs:restriction>
1069     </xs:simpleType>
1070 </xs:attribute>
1071 </xs:complexType>
1072
1073 <xs:complexType name="tSetChipEffectDirectionCommand">
1074     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1075     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1076     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1077     <xs:attribute name="ToDirection" use="required">
1078         <xs:simpleType>
1079             <xs:restriction base="xs:string">
1080                 <xs:enumeration value="Reverse" />
1081                 <xs:enumeration value="Forward" />
1082             </xs:restriction>
1083         </xs:simpleType>
1084     </xs:attribute>
1085 </xs:complexType>
1086
1087 <xs:complexType name="tSetChipEffectSpeedCommand">
1088     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1089     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1090     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1091     <xs:attribute name="Mode" use="required">
1092         <xs:simpleType>
1093             <xs:restriction base="xs:string">
1094                 <xs:enumeration value="Spinning" />
1095             </xs:restriction>
1096         </xs:simpleType>
1097     </xs:attribute>
1098     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1099     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1100 </xs:complexType>
1101
1102 <xs:complexType name="tSetWheelModeCommand">
1103     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1104     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1105     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1106     <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>
1107 </xs:complexType>
1108
1109 <xs:complexType name="tSetWheelSpinDirectionCommand">
1110     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1111     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1112     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1113     <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1114 </xs:complexType>
1115
1116 <xs:complexType name="tSetWheelPositionCommand">
1117     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1118     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1119     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1120     <xs:attribute name="Mode" type="cef:tNonRandomWheelMode" use="required"/>
1121     <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1122     <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1123 </xs:complexType>
1124
1125 <xs:complexType name="tSetWheelRandomPositionSpeedCommand">
1126     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1127     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1128     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1129     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1130     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1131 </xs:complexType>
1132
1133 <xs:complexType name="tSetWheelSpeedCommand">
1056 <xs:complexType name="tSetWheelModeCommand">
1057     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1058     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1059     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1060     <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>
1061 </xs:complexType>
1062
1063 <xs:complexType name="tSetWheelSpinDirectionCommand">
1064     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1065     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1066     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1067     <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1068 </xs:complexType>
1069
1070 <xs:complexType name="tSetWheelPositionCommand">
1071     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1072     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1073     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1074     <xs:attribute name="Mode" type="cef:tNonRandomWheelMode" use="required"/>
1075     <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1076     <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1077 </xs:complexType>
1078
1079 <xs:complexType name="tSetWheelRandomPositionSpeedCommand">
1080     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1081     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1082     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1083     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1084     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1085 </xs:complexType>
1086
1087 <xs:complexType name="tSetWheelSpeedCommand">

```



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1157     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1158 </xs:complexType>
1159
1160 <xs:complexType name="tCustomWheelCommand">
1161     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1162     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1163     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="optional"/>
1164     <xs:attribute name="Usage" use="required">
1165         <xs:simpleType>
1166             <xs:restriction base="xs:string">
1167                 <xs:enumeration value="Snap" />
1168                 <xs:enumeration value="Range" />
1169             </xs:restriction>
1170         </xs:simpleType>
1171     </xs:attribute>
1172     <xs:attribute name="Description" type="xs:string" use="required"/>
1173     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1174     <xs:attribute name="From" type="xs:string" use="optional"/>
1175     <xs:attribute name="To" type="xs:string" use="optional"/>
1176 </xs:complexType>
1177
1178 <xs:complexType name="tSetFramingShutterDepthCommand">
1179     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1180     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1181     <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1182     <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="r
1183 equired"/>
1184     <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="req
1185 uired"/>
1186 </xs:complexType>
1187
1188 <xs:complexType name="tSetFramingShutterAngleCommand">
1189     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1190     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1191     <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1192     <xs:attribute name="ToStartLevelAngle" type="cef:tFramingShutterAngleValue" use="r
1193 equired"/>
1194     <xs:attribute name="ToEndLevelAngle" type="cef:tFramingShutterAngleValue" use="req
1195 uired"/>
1196 </xs:complexType>
1197
1198 <xs:complexType name="tSetFramingShutterPackageModeCommand">
1199     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1200     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1201     <xs:attribute name="ToMode" type="cef:tFramingShutterPackageMode" use="required"/>
1202 </xs:complexType>
1203
1204 <xs:complexType name="tSetFramingShutterPackageAngleCommand">
1205     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1206     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1207     <xs:attribute name="ToStartLevelAngle" type="xs:float" use="required"/>
1208     <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1209 </xs:complexType>
1210
1211 <xs:complexType name="tSetFramingShutterPackageSpinDirectionCommand">
1212     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1213     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1214     <xs:attribute name="ToDirection" type="cef:tFramingShutterPackageSpinDirection" us
1215 e="required"/>
1216 </xs:complexType>
1217
1218 <xs:complexType name="tSetFramingShutterPackageSpeedCommand">
1219     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1220     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1221     <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1222     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1223     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1224 </xs:complexType>
1225
1226 <xs:complexType name="tCustomWheelCommand">
1227     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1228     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1229     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="optional"/>
1230     <xs:attribute name="Usage" use="required">
1231         <xs:simpleType>
1232             <xs:restriction base="xs:string">
1233                 <xs:enumeration value="Snap" />
1234                 <xs:enumeration value="Range" />
1235             </xs:restriction>
1236         </xs:simpleType>
1237     </xs:attribute>
1238     <xs:attribute name="Description" type="xs:string" use="required"/>
1239     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1240     <xs:attribute name="From" type="xs:string" use="optional"/>
1241     <xs:attribute name="To" type="xs:string" use="optional"/>
1242 </xs:complexType>
1243
1244 <xs:complexType name="tSetFramingShutterDepthCommand">
1245     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1246     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1247     <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1248     <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="r
1249 equired"/>
1250     <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="req
1251 uired"/>
1252 </xs:complexType>
1253
1254 <xs:complexType name="tSetFramingShutterAngleCommand">
1255     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1256     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1257     <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1258     <xs:attribute name="ToStartLevelAngle" type="cef:tFramingShutterAngleValue" use="r
1259 equired"/>
1260     <xs:attribute name="ToEndLevelAngle" type="cef:tFramingShutterAngleValue" use="req
1261 uired"/>
1262 </xs:complexType>
1263
1264 <xs:complexType name="tSetFramingShutterPackageModeCommand">
1265     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1266     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1267     <xs:attribute name="ToMode" type="cef:tFramingShutterPackageMode" use="required"/>
1268 </xs:complexType>
1269
1270 <xs:complexType name="tSetFramingShutterPackageAngleCommand">
1271     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1272     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1273     <xs:attribute name="ToStartLevelAngle" type="xs:float" use="required"/>
1274     <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1275 </xs:complexType>
1276
1277 <xs:complexType name="tSetFramingShutterPackageSpinDirectionCommand">
1278     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1279     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1280     <xs:attribute name="ToDirection" type="cef:tFramingShutterPackageSpinDirection" us
1281 e="required"/>
1282 </xs:complexType>
1283
1284 <xs:complexType name="tSetFramingShutterPackageSpeedCommand">
1285     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1286     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1287     <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1288     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1289     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1290 </xs:complexType>

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1221 <xs:complexType name="tSetMotionModeCommand">
1222   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1223   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1224   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1225   <xs:attribute name="ToMode" use="required">
1226     <xs:simpleType>
1227       <xs:restriction base="xs:string">
1228         <xs:enumeration value="Indexed" />
1229         <xs:enumeration value="Spinning" />
1230       </xs:restriction>
1231     </xs:simpleType>
1232   </xs:attribute>
1233 </xs:complexType>
1234
1235 <xs:complexType name="tMotionCommand">
1236   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1237   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1238   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1239   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1240 </xs:complexType>
1241
1242 <xs:complexType name="tSetMotionDirectionCommand">
1243   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1244   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1245   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1246   <xs:attribute name="ToDirection" use="required">
1247     <xs:simpleType>
1248       <xs:restriction base="xs:string">
1249         <xs:enumeration value="Reverse" />
1250         <xs:enumeration value="Forward" />
1251       </xs:restriction>
1252     </xs:simpleType>
1253   </xs:attribute>
1254 </xs:complexType>
1255
1256 <xs:complexType name="tMotionSpeedCommand">
1257   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1258   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1259   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1260   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1261   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1262 </xs:complexType>
1263
1264 <xs:complexType name="tMotionTimeCommand">
1265   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1266   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1267   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1268   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1269   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1270 </xs:complexType>
1271
1272 <xs:complexType name="tSetVectorPositionCommand">
1273   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1274   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1275   <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1276   <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required
"/>
1277   <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1278 </xs:complexType>
1279
1280 <xs:complexType name="tSelectMacroCatalogCommand">
1281   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1282   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1283   <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1284   <xs:attribute name="Text" type="xs:string" use="optional" />
1285 </xs:complexType>
1286
1287 <xs:complexType name="tSelectMacroCommand">
1288   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1267 <xs:complexType name="tSetMotionModeCommand">
1268   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1269   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1270   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1271   <xs:attribute name="ToMode" use="required">
1272     <xs:simpleType>
1273       <xs:restriction base="xs:string">
1274         <xs:enumeration value="Indexed" />
1275         <xs:enumeration value="Spinning" />
1276       </xs:restriction>
1277     </xs:simpleType>
1278   </xs:attribute>
1279 </xs:complexType>
1280
1281 <xs:complexType name="tMotionCommand">
1282   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1283   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1284   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1285   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1286 </xs:complexType>
1287
1288 <xs:complexType name="tSetMotionDirectionCommand">
1289   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1290   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1291   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1292   <xs:attribute name="ToDirection" use="required">
1293     <xs:simpleType>
1294       <xs:restriction base="xs:string">
1295         <xs:enumeration value="Reverse" />
1296         <xs:enumeration value="Forward" />
1297       </xs:restriction>
1298     </xs:simpleType>
1299   </xs:attribute>
1300 </xs:complexType>
1301
1302 <xs:complexType name="tMotionSpeedCommand">
1303   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1304   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1305   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1306   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1307   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1308 </xs:complexType>
1309
1310 <xs:complexType name="tMotionTimeCommand">
1311   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1312   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1313   <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1314   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1315   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1316 </xs:complexType>
1317
1318 <xs:complexType name="tSetVectorPositionCommand">
1319   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1320   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1321   <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1322   <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required
"/>
1323   <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1324 </xs:complexType>
1325
1326 <xs:complexType name="tSelectMacroCatalogCommand">
1327   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1328   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1329   <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1330   <xs:attribute name="Text" type="xs:string" use="optional" />
1331 </xs:complexType>
1332
1333 <xs:complexType name="tSelectMacroCommand">
1334   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>

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1289     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1290     <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1291     <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1292     <xs:attribute name="Text" type="xs:string" use="optional" />
1293 </xs:complexType>
1294
1295 <xs:complexType name="tMacroParameterCommand">
1296     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1297     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1298     <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1299     <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1300     <xs:attribute name="Usage" use="required">
1301         <xs:simpleType>
1302             <xs:restriction base="xs:string">
1303                 <xs:enumeration value="Snap" />
1304                 <xs:enumeration value="Range" />
1305             </xs:restriction>
1306         </xs:simpleType>
1307     </xs:attribute>
1308     <xs:attribute name="Description" type="xs:string" use="required"/>
1309     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1310     <xs:attribute name="From" type="xs:string" use="optional"/>
1311     <xs:attribute name="To" type="xs:string" use="optional"/>
1312 </xs:complexType>
1313
1314 <xs:complexType name="tSetMacroDirectionCommand">
1315     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1316     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1317     <xs:attribute name="ToDirection" use="required">
1318         <xs:simpleType>
1319             <xs:restriction base="xs:string">
1320                 <xs:enumeration value="Reverse" />
1321                 <xs:enumeration value="Forward" />
1322             </xs:restriction>
1323         </xs:simpleType>
1324     </xs:attribute>
1325 </xs:complexType>
1326
1327 <xs:complexType name="tSetMacroRotationPositionCommand">
1328     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330     <xs:attribute name="ToStartLevelAngle" use="required">
1331         <xs:simpleType>
1332             <xs:restriction base="xs:float">
1333                 <xs:minInclusive value="0"/>
1334                 <xs:maxInclusive value="360"/>
1335             </xs:restriction>
1336         </xs:simpleType>
1337     </xs:attribute>
1338     <xs:attribute name="ToEndLevelAngle" use="required">
1339         <xs:simpleType>
1340             <xs:restriction base="xs:float">
1341                 <xs:minInclusive value="0"/>
1342                 <xs:maxInclusive value="360"/>
1343             </xs:restriction>
1344         </xs:simpleType>
1345     </xs:attribute>
1346 </xs:complexType>
1347
1348 <xs:complexType name="tSetMacroRotationSpinCommand">
1349     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1350     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1351     <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1352     <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1353 </xs:complexType>
1354
1355 <xs:complexType name="tSetMacroRotationDirectionCommand">
1356     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1357     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1335     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1336     <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1337     <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1338     <xs:attribute name="Text" type="xs:string" use="optional" />
1339 </xs:complexType>
1340
1341 <xs:complexType name="tMacroParameterCommand">
1342     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1343     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1344     <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1345     <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1346     <xs:attribute name="Usage" use="required">
1347         <xs:simpleType>
1348             <xs:restriction base="xs:string">
1349                 <xs:enumeration value="Snap" />
1350                 <xs:enumeration value="Range" />
1351             </xs:restriction>
1352         </xs:simpleType>
1353     </xs:attribute>
1354     <xs:attribute name="Description" type="xs:string" use="required"/>
1355     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1356     <xs:attribute name="From" type="xs:string" use="optional"/>
1357     <xs:attribute name="To" type="xs:string" use="optional"/>
1358 </xs:complexType>
1359
1360 <xs:complexType name="tSetMacroDirectionCommand">
1361     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1362     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1363     <xs:attribute name="ToDirection" use="required">
1364         <xs:simpleType>
1365             <xs:restriction base="xs:string">
1366                 <xs:enumeration value="Reverse" />
1367                 <xs:enumeration value="Forward" />
1368             </xs:restriction>
1369         </xs:simpleType>
1370     </xs:attribute>
1371 </xs:complexType>
1372
1373 <xs:complexType name="tSetMacroRotationPositionCommand">
1374     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1375     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1376     <xs:attribute name="ToStartLevelAngle" use="required">
1377         <xs:simpleType>
1378             <xs:restriction base="xs:float">
1379                 <xs:minInclusive value="0"/>
1380                 <xs:maxInclusive value="360"/>
1381             </xs:restriction>
1382         </xs:simpleType>
1383     </xs:attribute>
1384     <xs:attribute name="ToEndLevelAngle" use="required">
1385         <xs:simpleType>
1386             <xs:restriction base="xs:float">
1387                 <xs:minInclusive value="0"/>
1388                 <xs:maxInclusive value="360"/>
1389             </xs:restriction>
1390         </xs:simpleType>
1391     </xs:attribute>
1392 </xs:complexType>
1393
1394 <xs:complexType name="tSetMacroRotationSpinCommand">
1395     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1396     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1397     <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1398     <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1399 </xs:complexType>
1400
1401 <xs:complexType name="tSetMacroRotationDirectionCommand">
1402     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1403     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>

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1358     <xs:attribute name="ToDirection" use="required">
1359         <xs:simpleType>
1360             <xs:restriction base="xs:string">
1361                 <xs:enumeration value="Reverse" />
1362                 <xs:enumeration value="Forward" />
1363             </xs:restriction>
1364         </xs:simpleType>
1365     </xs:attribute>
1366 </xs:complexType>
1367
1368 <xs:complexType name="tSetMacroFadeTimeCommand">
1369     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1370     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1371     <xs:attribute name="ToStartTime" type="cef:tWideRangeValue" use="required"/>
1372     <xs:attribute name="ToEndTime" type="cef:tWideRangeValue" use="required"/>
1373 </xs:complexType>
1374
1375 <xs:complexType name="tSetLampModeCommand">
1376     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1377     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1378     <xs:attribute name="ToMode" use="required">
1379         <xs:simpleType>
1380             <xs:restriction base="xs:string">
1381                 <xs:enumeration value="Normal" />
1382                 <xs:enumeration value="LowPower" />
1383             </xs:restriction>
1384         </xs:simpleType>
1385     </xs:attribute>
1386 </xs:complexType>
1387
1388 <xs:complexType name="tSetLaserStrobeCommand">
1389     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1390     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1391     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1392     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1393     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1394 </xs:complexType>
1395
1396 <xs:complexType name="tSetFanModeCommand">
1397     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1398     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1399     <xs:attribute name="ToMode" use="required">
1400         <xs:simpleType>
1401             <xs:restriction base="xs:string">
1402                 <xs:enumeration value="Fast" />
1403                 <xs:enumeration value="Slow" />
1404             </xs:restriction>
1405         </xs:simpleType>
1406     </xs:attribute>
1407 </xs:complexType>
1408
1409 <xs:complexType name="tCustomCommand">
1410     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1411     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1412     <xs:attribute name="Usage" use="required">
1413         <xs:simpleType>
1414             <xs:restriction base="xs:string">
1415                 <xs:enumeration value="Snap" />
1416                 <xs:enumeration value="Range" />
1417             </xs:restriction>
1418         </xs:simpleType>
1419     </xs:attribute>
1420     <xs:attribute name="Description" type="xs:string" use="required"/>
1421     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1422     <xs:attribute name="From" type="xs:string" use="optional"/>
1423     <xs:attribute name="To" type="xs:string" use="optional"/>
1424 </xs:complexType>
1425
1426 <xs:complexType name="tCustomCellCommand">
1404     <xs:attribute name="ToDirection" use="required">
1405         <xs:simpleType>
1406             <xs:restriction base="xs:string">
1407                 <xs:enumeration value="Reverse" />
1408                 <xs:enumeration value="Forward" />
1409             </xs:restriction>
1410         </xs:simpleType>
1411     </xs:attribute>
1412 </xs:complexType>
1413
1414 <xs:complexType name="tSetMacroFadeTimeCommand">
1415     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1416     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1417     <xs:attribute name="ToStartTime" type="cef:tWideRangeValue" use="required"/>
1418     <xs:attribute name="ToEndTime" type="cef:tWideRangeValue" use="required"/>
1419 </xs:complexType>
1420
1421 <xs:complexType name="tSetLampModeCommand">
1422     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1423     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1424     <xs:attribute name="ToMode" use="required">
1425         <xs:simpleType>
1426             <xs:restriction base="xs:string">
1427                 <xs:enumeration value="Normal" />
1428                 <xs:enumeration value="LowPower" />
1429             </xs:restriction>
1430         </xs:simpleType>
1431     </xs:attribute>
1432 </xs:complexType>
1433
1434 <xs:complexType name="tSetLaserStrobeCommand">
1435     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1436     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1437     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1438     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1439     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1440 </xs:complexType>
1441
1442 <xs:complexType name="tSetFanModeCommand">
1443     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1444     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1445     <xs:attribute name="ToMode" use="required">
1446         <xs:simpleType>
1447             <xs:restriction base="xs:string">
1448                 <xs:enumeration value="Fast" />
1449                 <xs:enumeration value="Slow" />
1450             </xs:restriction>
1451         </xs:simpleType>
1452     </xs:attribute>
1453 </xs:complexType>
1454
1455 <xs:complexType name="tCustomCommand">
1456     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1457     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1458     <xs:attribute name="Usage" use="required">
1459         <xs:simpleType>
1460             <xs:restriction base="xs:string">
1461                 <xs:enumeration value="Snap" />
1462                 <xs:enumeration value="Range" />
1463             </xs:restriction>
1464         </xs:simpleType>
1465     </xs:attribute>
1466     <xs:attribute name="Description" type="xs:string" use="required"/>
1467     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1468     <xs:attribute name="From" type="xs:string" use="optional"/>
1469     <xs:attribute name="To" type="xs:string" use="optional"/>
1470 </xs:complexType>
1471
1472 <xs:complexType name="tCustomCellCommand">

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1427 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1428 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1429 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1430 <xs:attribute name="Cell" type="xs:unsignedInt" use="optional"/>
1431 <xs:attribute name="Usage" use="required">
1432   <xs:simpleType>
1433     <xs:restriction base="xs:string">
1434       <xs:enumeration value="Snap" />
1435       <xs:enumeration value="Range" />
1436     </xs:restriction>
1437   </xs:simpleType>
1438 </xs:attribute>
1439 <xs:attribute name="Description" type="xs:string" use="required"/>
1440 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1441 <xs:attribute name="From" type="xs:string" use="optional"/>
1442 <xs:attribute name="To" type="xs:string" use="optional"/>
1443 </xs:complexType>
1444
1445 <xs:complexType name="tResetCommand">
1446   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1447   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1448   <xs:attribute name="ToType" use="required">
1449     <xs:simpleType>
1450       <xs:restriction base="xs:string">
1451         <xs:enumeration value="Complete" />
1452         <xs:enumeration value="PanTilt" />
1453         <xs:enumeration value="Colour" />
1454         <xs:enumeration value="Gobo" />
1455         <xs:enumeration value="Strobe" />
1456         <xs:enumeration value="Focus" />
1457         <xs:enumeration value="Zoom" />
1458         <xs:enumeration value="Frost" />
1459         <xs:enumeration value="Iris" />
1460         <xs:enumeration value="AllInternal" />
1461       </xs:restriction>
1462     </xs:simpleType>
1463   </xs:attribute>
1464 </xs:complexType>
1465
1466 <xs:complexType name="tPresetCommand">
1467   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1468   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1469   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1470   <xs:attribute name="Usage" use="required">
1471     <xs:simpleType>
1472       <xs:restriction base="xs:string">
1473         <xs:enumeration value="Snap" />
1474         <xs:enumeration value="Range" />
1475       </xs:restriction>
1476     </xs:simpleType>
1477   </xs:attribute>
1478   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1479   <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1480   <xs:attribute name="Description" type="xs:string" use="required"/>
1481   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1482 </xs:complexType>
1483
1484 <xs:complexType name="tPresetScrollCommand">
1485   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1486   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1487   <xs:attribute name="ToMode" use="required">
1488     <xs:simpleType>
1489       <xs:restriction base="xs:string">
1490         <xs:enumeration value="Forward" />
1491         <xs:enumeration value="Reverse" />
1492         <xs:enumeration value="Bounce" />
1493         <xs:enumeration value="Random" />
1494         <xs:enumeration value="Sound" />
1495         <xs:enumeration value="Stop" />

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1473 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1474 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1475 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1476 <xs:attribute name="Cell" type="xs:unsignedInt" use="optional"/>
1477 <xs:attribute name="Usage" use="required">
1478   <xs:simpleType>
1479     <xs:restriction base="xs:string">
1480       <xs:enumeration value="Snap" />
1481       <xs:enumeration value="Range" />
1482     </xs:restriction>
1483   </xs:simpleType>
1484 </xs:attribute>
1485 <xs:attribute name="Description" type="xs:string" use="required"/>
1486 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1487 <xs:attribute name="From" type="xs:string" use="optional"/>
1488 <xs:attribute name="To" type="xs:string" use="optional"/>
1489 </xs:complexType>
1490
1491 <xs:complexType name="tResetCommand">
1492   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1493   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1494   <xs:attribute name="ToType" use="required">
1495     <xs:simpleType>
1496       <xs:restriction base="xs:string">
1497         <xs:enumeration value="Complete" />
1498         <xs:enumeration value="PanTilt" />
1499         <xs:enumeration value="Colour" />
1500         <xs:enumeration value="Gobo" />
1501         <xs:enumeration value="Strobe" />
1502         <xs:enumeration value="Focus" />
1503         <xs:enumeration value="Zoom" />
1504         <xs:enumeration value="Frost" />
1505         <xs:enumeration value="Iris" />
1506         <xs:enumeration value="AllInternal" />
1507       </xs:restriction>
1508     </xs:simpleType>
1509   </xs:attribute>
1510 </xs:complexType>
1511
1512 <xs:complexType name="tPresetCommand">
1513   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1514   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1515   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1516   <xs:attribute name="Usage" use="required">
1517     <xs:simpleType>
1518       <xs:restriction base="xs:string">
1519         <xs:enumeration value="Snap" />
1520         <xs:enumeration value="Range" />
1521       </xs:restriction>
1522     </xs:simpleType>
1523   </xs:attribute>
1524   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1525   <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1526   <xs:attribute name="Description" type="xs:string" use="required"/>
1527   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1528 </xs:complexType>
1529
1530 <xs:complexType name="tPresetScrollCommand">
1531   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1532   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1533   <xs:attribute name="ToMode" use="required">
1534     <xs:simpleType>
1535       <xs:restriction base="xs:string">
1536         <xs:enumeration value="Forward" />
1537         <xs:enumeration value="Reverse" />
1538         <xs:enumeration value="Bounce" />
1539         <xs:enumeration value="Random" />
1540         <xs:enumeration value="Sound" />
1541         <xs:enumeration value="Stop" />

```

```
1496         </xs:restriction>
1497     </xs:simpleType>
1498 </xs:attribute>
1499 </xs:complexType>
1500
1501 <xs:complexType name="tTextCommand">
1502     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1503     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1504     <xs:attribute name="Description" type="xs:string" use="required"/>
1505     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1506 </xs:complexType>
1507
1508 <!-- Common simple types-->
1509 <xs:simpleType name="tVisibility">
1510     <xs:restriction base="xs:string">
1511         <xs:enumeration value="Public" />
1512         <xs:enumeration value="Private" />
1513     </xs:restriction>
1514 </xs:simpleType>
1515
1516 <xs:simpleType name="tGoboType">
1517     <xs:restriction base="xs:string">
1518         <xs:enumeration value="Pattern" />
1519         <xs:enumeration value="Animation Disc" />
1520         <xs:enumeration value="Linear 2-Facet Prism" />
1521         <xs:enumeration value="Circular 3-Facet Prism" />
1522         <xs:enumeration value="Circular 4-Facet Prism" />
1523         <xs:enumeration value="Linear 4-Facet Prism" />
1524         <xs:enumeration value="Circular 5-Facet Prism" />
1525         <xs:enumeration value="Linear 5-Facet Prism" />
1526         <xs:enumeration value="Round 5-Facet Prism" />
1527         <xs:enumeration value="Circular 6-Facet Prism" />
1528         <xs:enumeration value="Linear 6-Facet Prism" />
1529         <xs:enumeration value="Round 6-Facet Prism" />
1530         <xs:enumeration value="Round 7-Facet Prism" />
1531         <xs:enumeration value="Circular 8-Facet Prism" />
1532         <xs:enumeration value="Linear 8-Facet Prism" />
1533         <xs:enumeration value="Round 9-Facet Prism" />
1534         <xs:enumeration value="Linear 10-Facet Prism" />
1535         <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1536         <xs:enumeration value="Circular 16-16-Facet Prism" />
1537         <xs:enumeration value="Bar Prism" />
1538         <xs:enumeration value="Comet Prism" />
1539     </xs:restriction>
1540 </xs:simpleType>
1541
1542 <xs:simpleType name="tChromaticityValue">
1543     <xs:restriction base="xs:float">
1544         <xs:minInclusive value="0"/>
1545         <xs:maxInclusive value="1"/>
1546     </xs:restriction>
1547 </xs:simpleType>
1548
1549 <xs:simpleType name="tDmxChannelOffset">
1550     <xs:restriction base="xs:unsignedInt">
1551         <xs:minInclusive value="0"/>
1552         <xs:maxInclusive value="511"/>
1553     </xs:restriction>
1554 </xs:simpleType>
1555
1556 <xs:simpleType name="tControlLayer">
1557     <xs:restriction base="xs:string">
1558         <xs:enumeration value="Individual" />
1559         <xs:enumeration value="Group" />
1560     </xs:restriction>
1561 </xs:simpleType>
1562
1563 <xs:simpleType name="tCellArray">
```

```
1542         </xs:restriction>
1543     </xs:simpleType>
1544 </xs:attribute>
1545 </xs:complexType>
1546
1547 <xs:complexType name="tTextCommand">
1548     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1549     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1550     <xs:attribute name="Description" type="xs:string" use="required"/>
1551     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1552 </xs:complexType>
1553
1554 <!-- Common simple types-->
1555 <xs:simpleType name="tVisibility">
1556     <xs:restriction base="xs:string">
1557         <xs:enumeration value="Public" />
1558         <xs:enumeration value="Private" />
1559     </xs:restriction>
1560 </xs:simpleType>
1561
1562 <xs:simpleType name="tGoboType">
1563     <xs:restriction base="xs:string">
1564         <xs:enumeration value="Pattern" />
1565         <xs:enumeration value="Animation Disc" />
1566         <xs:enumeration value="Linear 2-Facet Prism" />
1567         <xs:enumeration value="Circular 3-Facet Prism" />
1568         <xs:enumeration value="Circular 4-Facet Prism" />
1569         <xs:enumeration value="Linear 4-Facet Prism" />
1570         <xs:enumeration value="Circular 5-Facet Prism" />
1571         <xs:enumeration value="Linear 5-Facet Prism" />
1572         <xs:enumeration value="Round 5-Facet Prism" />
1573         <xs:enumeration value="Circular 6-Facet Prism" />
1574         <xs:enumeration value="Linear 6-Facet Prism" />
1575         <xs:enumeration value="Round 6-Facet Prism" />
1576         <xs:enumeration value="Round 7-Facet Prism" />
1577         <xs:enumeration value="Circular 8-Facet Prism" />
1578         <xs:enumeration value="Linear 8-Facet Prism" />
1579         <xs:enumeration value="Round 9-Facet Prism" />
1580         <xs:enumeration value="Linear 10-Facet Prism" />
1581         <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1582         <xs:enumeration value="Circular 16-16-Facet Prism" />
1583         <xs:enumeration value="Bar Prism" />
1584         <xs:enumeration value="Comet Prism" />
1585     </xs:restriction>
1586 </xs:simpleType>
1587
1588 <xs:simpleType name="tChromaticityValue">
1589     <xs:restriction base="xs:float">
1590         <xs:minInclusive value="0"/>
1591         <xs:maxInclusive value="1"/>
1592     </xs:restriction>
1593 </xs:simpleType>
1594
1595 <xs:simpleType name="tDmxChannelOffset">
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1598         <xs:maxInclusive value="511"/>
1599     </xs:restriction>
1600 </xs:simpleType>
1601
1602 <xs:simpleType name="tControlLayer">
1603     <xs:restriction base="xs:string">
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1605         <xs:enumeration value="Group" />
1606         <xs:enumeration value="ChipEffect" />
1607     </xs:restriction>
1608 </xs:simpleType>
1609
1610 <xs:simpleType name="tCellArray">
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1564     <xs:restriction base="xs:string">
1565         <xs:pattern value="\d+(,\d+)*" />
1566     </xs:restriction>
1567 </xs:simpleType>
1568
1569 <xs:simpleType name="tSimpleRangeValue">
1570     <xs:restriction base="xs:float">
1571         <xs:minInclusive value="0"/>
1572         <xs:maxInclusive value="1"/>
1573     </xs:restriction>
1574 </xs:simpleType>
1575
1576 <xs:simpleType name="tWideRangeValue">
1577     <xs:restriction base="xs:float">
1578         <xs:minInclusive value="-1"/>
1579         <xs:maxInclusive value="1"/>
1580     </xs:restriction>
1581 </xs:simpleType>
1582
1583 <xs:simpleType name="tUnboundedRangeValue">
1584     <xs:restriction base="xs:float"/>
1585 </xs:simpleType>
1586
1587 <xs:simpleType name="tTimeRangeValue">
1588     <xs:restriction base="xs:float">
1589         <xs:minInclusive value="0"/>
1590     </xs:restriction>
1591 </xs:simpleType>
1592
1593 <xs:simpleType name="tColorRenderingIndexRangeValue">
1594     <xs:restriction base="xs:float">
1595         <xs:minInclusive value="0"/>
1596         <xs:maxInclusive value="100"/>
1597     </xs:restriction>
1598 </xs:simpleType>
1599
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1601     <xs:restriction base="xs:float">
1602         <xs:minInclusive value="0"/>
1603         <xs:maxInclusive value="30000"/>
1604     </xs:restriction>
1605 </xs:simpleType>
1606
1607 <xs:simpleType name="tFramingShutterDepthValue">
1608     <xs:restriction base="xs:float">
1609         <xs:minInclusive value="0"/>
1610         <xs:maxInclusive value="2"/>
1611     </xs:restriction>
1612 </xs:simpleType>
1613
1614 <xs:simpleType name="tFramingShutterAngleValue">
1615     <xs:restriction base="xs:float">
1616         <xs:minInclusive value="-360"/>
1617         <xs:maxInclusive value="360"/>
1618     </xs:restriction>
1619 </xs:simpleType>
1620
1621 <xs:simpleType name="tOnOff">
1622     <xs:restriction base="xs:string">
1623         <xs:enumeration value="On" />
1624         <xs:enumeration value="Off" />
1625     </xs:restriction>
1626 </xs:simpleType>
1627
1628 <xs:simpleType name="tStrobeMode">
1629     <xs:restriction base="xs:string">
1630         <xs:enumeration value="Linear" />
1631         <xs:enumeration value="Random" />
1632         <xs:enumeration value="ApertureRandom" />
1633
1611     <xs:restriction base="xs:string">
1612         <xs:pattern value="\d+(,\d+)*" />
1613     </xs:restriction>
1614 </xs:simpleType>
1615
1616 <xs:simpleType name="tSimpleRangeValue">
1617     <xs:restriction base="xs:float">
1618         <xs:minInclusive value="0"/>
1619         <xs:maxInclusive value="1"/>
1620     </xs:restriction>
1621 </xs:simpleType>
1622
1623 <xs:simpleType name="tWideRangeValue">
1624     <xs:restriction base="xs:float">
1625         <xs:minInclusive value="-1"/>
1626         <xs:maxInclusive value="1"/>
1627     </xs:restriction>
1628 </xs:simpleType>
1629
1630 <xs:simpleType name="tUnboundedRangeValue">
1631     <xs:restriction base="xs:float"/>
1632 </xs:simpleType>
1633
1634 <xs:simpleType name="tTimeRangeValue">
1635     <xs:restriction base="xs:float">
1636         <xs:minInclusive value="0"/>
1637     </xs:restriction>
1638 </xs:simpleType>
1639
1640 <xs:simpleType name="tColorRenderingIndexRangeValue">
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1644     </xs:restriction>
1645 </xs:simpleType>
1646
1647 <xs:simpleType name="tColorTemperatureRangeValue">
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1651     </xs:restriction>
1652 </xs:simpleType>
1653
1654 <xs:simpleType name="tFramingShutterDepthValue">
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1656         <xs:minInclusive value="0"/>
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1658     </xs:restriction>
1659 </xs:simpleType>
1660
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1662     <xs:restriction base="xs:float">
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1664         <xs:maxInclusive value="360"/>
1665     </xs:restriction>
1666 </xs:simpleType>
1667
1668 <xs:simpleType name="tOnOff">
1669     <xs:restriction base="xs:string">
1670         <xs:enumeration value="On" />
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1672     </xs:restriction>
1673 </xs:simpleType>
1674
1675 <xs:simpleType name="tStrobeMode">
1676     <xs:restriction base="xs:string">
1677         <xs:enumeration value="Linear" />
1678         <xs:enumeration value="Random" />
1679         <xs:enumeration value="ApertureRandom" />
```

```
1633     <xs:enumeration value="SynchronizedRandom" />
1634     <xs:enumeration value="Lightning" />
1635     <xs:enumeration value="Spikes" />
1636   </xs:restriction>
1637 </xs:simpleType>
1638
1639 <xs:simpleType name="tStrobeTransition">
1640   <xs:restriction base="xs:string">
1641     <xs:enumeration value="RampRamp" />
1642     <xs:enumeration value="RampSnap" />
1643     <xs:enumeration value="SnapRamp" />
1644     <xs:enumeration value="SnapSnap" />
1645   </xs:restriction>
1646 </xs:simpleType>
1647
1648 <xs:simpleType name="tFrostIndex">
1649   <xs:restriction base="xs:unsignedInt">
1650     <xs:minInclusive value="1"/>
1651     <xs:maxInclusive value="3"/>
1652   </xs:restriction>
1653 </xs:simpleType>
1654
1655 <xs:simpleType name="tWheelIndex">
1656   <xs:restriction base="xs:unsignedInt">
1657     <xs:minInclusive value="1"/>
1658   </xs:restriction>
1659 </xs:simpleType>
1660
1661 <xs:simpleType name="tFramingShutterIndex">
1662   <xs:restriction base="xs:unsignedInt">
1663     <xs:minInclusive value="1"/>
1664     <xs:maxInclusive value="4"/>
1665   </xs:restriction>
1666 </xs:simpleType>
1667
1668 <xs:simpleType name="tAxisIndex">
1669   <xs:restriction base="xs:unsignedInt">
1670     <xs:minInclusive value="1"/>
1671   </xs:restriction>
1672 </xs:simpleType>
1673
1674 <xs:simpleType name="tLightMode">
1675   <xs:restriction base="xs:string">
1676     <xs:enumeration value="Direct" />
1677     <xs:enumeration value="ColorTemperature" />
1678     <xs:enumeration value="ColorTemperaturePlus" />
1679     <xs:enumeration value="RGB" />
1680     <xs:enumeration value="RGBPlus" />
1681     <xs:enumeration value="HSV" />
1682     <xs:enumeration value="HSVPlus" />
1683     <xs:enumeration value="CIE" />
1684     <xs:enumeration value="Filter" />
1685     <xs:enumeration value="AlternateFilter" />
1686   </xs:restriction>
1687 </xs:simpleType>
1688
1689 <xs:simpleType name="tLightPixelMode">
1690   <xs:restriction base="xs:string">
1691     <xs:enumeration value="Mix" />
1692     <xs:enumeration value="Multiply" />
1693   </xs:restriction>
1694 </xs:simpleType>
1695
1696 <xs:simpleType name="tWheelMode">
1697   <xs:restriction base="xs:string">
1698     <xs:enumeration value="Indexed" />
1699     <xs:enumeration value="Continuous" />
1700     <xs:enumeration value="Mixed" />
1701     <xs:enumeration value="Spinning" />
```

```
1680     <xs:enumeration value="SynchronizedRandom" />
1681     <xs:enumeration value="Lightning" />
1682     <xs:enumeration value="Spikes" />
1683   </xs:restriction>
1684 </xs:simpleType>
1685
1686 <xs:simpleType name="tStrobeTransition">
1687   <xs:restriction base="xs:string">
1688     <xs:enumeration value="RampRamp" />
1689     <xs:enumeration value="RampSnap" />
1690     <xs:enumeration value="SnapRamp" />
1691     <xs:enumeration value="SnapSnap" />
1692   </xs:restriction>
1693 </xs:simpleType>
1694
1695 <xs:simpleType name="tFrostIndex">
1696   <xs:restriction base="xs:unsignedInt">
1697     <xs:minInclusive value="1"/>
1698     <xs:maxInclusive value="3"/>
1699   </xs:restriction>
1700 </xs:simpleType>
1701
1702 <xs:simpleType name="tWheelIndex">
1703   <xs:restriction base="xs:unsignedInt">
1704     <xs:minInclusive value="1"/>
1705   </xs:restriction>
1706 </xs:simpleType>
1707
1708 <xs:simpleType name="tFramingShutterIndex">
1709   <xs:restriction base="xs:unsignedInt">
1710     <xs:minInclusive value="1"/>
1711     <xs:maxInclusive value="4"/>
1712   </xs:restriction>
1713 </xs:simpleType>
1714
1715 <xs:simpleType name="tAxisIndex">
1716   <xs:restriction base="xs:unsignedInt">
1717     <xs:minInclusive value="1"/>
1718   </xs:restriction>
1719 </xs:simpleType>
1720
1721 <xs:simpleType name="tLightMode">
1722   <xs:restriction base="xs:string">
1723     <xs:enumeration value="Direct" />
1724     <xs:enumeration value="ColorTemperature" />
1725     <xs:enumeration value="ColorTemperaturePlus" />
1726     <xs:enumeration value="RGB" />
1727     <xs:enumeration value="RGBPlus" />
1728     <xs:enumeration value="HSV" />
1729     <xs:enumeration value="HSVPlus" />
1730     <xs:enumeration value="CIE" />
1731     <xs:enumeration value="Filter" />
1732     <xs:enumeration value="AlternateFilter" />
1733   </xs:restriction>
1734 </xs:simpleType>
1735
1736 <xs:simpleType name="tLightPixelMode">
1737   <xs:restriction base="xs:string">
1738     <xs:enumeration value="Mix" />
1739     <xs:enumeration value="Multiply" />
1740   </xs:restriction>
1741 </xs:simpleType>
1742
1743 <xs:simpleType name="tWheelMode">
1744   <xs:restriction base="xs:string">
1745     <xs:enumeration value="Indexed" />
1746     <xs:enumeration value="Continuous" />
1747     <xs:enumeration value="Mixed" />
1748     <xs:enumeration value="Spinning" />
```

```

1702     <xs:enumeration value="Oscillating" />
1703     <xs:enumeration value="Random" />
1704 </xs:restriction>
1705 </xs:simpleType>
1706
1707 <xs:simpleType name="tNonRandomWheelMode">
1708   <xs:restriction base="xs:string">
1709     <xs:enumeration value="Indexed" />
1710     <xs:enumeration value="Continuous" />
1711     <xs:enumeration value="Mixed" />
1712     <xs:enumeration value="Spinning" />
1713     <xs:enumeration value="Oscillating" />
1714   </xs:restriction>
1715 </xs:simpleType>
1716
1717 <xs:simpleType name="tWheelFrameMode">
1718   <xs:restriction base="xs:string">
1719     <xs:enumeration value="Indexed" />
1720     <xs:enumeration value="Spinning" />
1721   </xs:restriction>
1722 </xs:simpleType>
1723
1724 <xs:simpleType name="tWheelSpinDirection">
1725   <xs:restriction base="xs:string">
1726     <xs:enumeration value="Forward" />
1727     <xs:enumeration value="Reverse" />
1728   </xs:restriction>
1729 </xs:simpleType>
1730
1731 <xs:simpleType name="tFramingShutterPackageMode">
1732   <xs:restriction base="xs:string">
1733     <xs:enumeration value="Indexed" />
1734     <xs:enumeration value="Spinning" />
1735   </xs:restriction>
1736 </xs:simpleType>
1737
1738 <xs:simpleType name="tFramingShutterPackageSpinDirection">
1739   <xs:restriction base="xs:string">
1740     <xs:enumeration value="Forward" />
1741     <xs:enumeration value="Reverse" />
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1743 </xs:simpleType>
1744
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1746   <xs:restriction base="xs:string">
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1749   </xs:restriction>
1750 </xs:simpleType>
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1753   <xs:restriction base="xs:float">
1754     <xs:minInclusive value="0" />
1755   </xs:restriction>
1756 </xs:simpleType>
1757
1758 </xs:schema>

```

```

1749     <xs:enumeration value="Oscillating" />
1750     <xs:enumeration value="Random" />
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1754 <xs:simpleType name="tNonRandomWheelMode">
1755   <xs:restriction base="xs:string">
1756     <xs:enumeration value="Indexed" />
1757     <xs:enumeration value="Continuous" />
1758     <xs:enumeration value="Mixed" />
1759     <xs:enumeration value="Spinning" />
1760     <xs:enumeration value="Oscillating" />
1761   </xs:restriction>
1762 </xs:simpleType>
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1764 <xs:simpleType name="tWheelFrameMode">
1765   <xs:restriction base="xs:string">
1766     <xs:enumeration value="Indexed" />
1767     <xs:enumeration value="Spinning" />
1768   </xs:restriction>
1769 </xs:simpleType>
1770
1771 <xs:simpleType name="tWheelSpinDirection">
1772   <xs:restriction base="xs:string">
1773     <xs:enumeration value="Forward" />
1774     <xs:enumeration value="Reverse" />
1775   </xs:restriction>
1776 </xs:simpleType>
1777
1778 <xs:simpleType name="tFramingShutterPackageMode">
1779   <xs:restriction base="xs:string">
1780     <xs:enumeration value="Indexed" />
1781     <xs:enumeration value="Spinning" />
1782   </xs:restriction>
1783 </xs:simpleType>
1784
1785 <xs:simpleType name="tFramingShutterPackageSpinDirection">
1786   <xs:restriction base="xs:string">
1787     <xs:enumeration value="Forward" />
1788     <xs:enumeration value="Reverse" />
1789   </xs:restriction>
1790 </xs:simpleType>
1791
1792 <xs:simpleType name="tBoolean">
1793   <xs:restriction base="xs:string">
1794     <xs:enumeration value="True" />
1795     <xs:enumeration value="False" />
1796   </xs:restriction>
1797 </xs:simpleType>
1798
1799 <xs:simpleType name="tPositiveFloat">
1800   <xs:restriction base="xs:float">
1801     <xs:minInclusive value="0" />
1802   </xs:restriction>
1803 </xs:simpleType>
1804
1805 </xs:schema>

```