

Araxis Merge File Comparison Report

Produced by **Araxis Merge** on **2022-01-12 10:00:57 W. Europe Standard 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\AB\ABCommonFormatExporter\Schemas	AtlaBase.CommonExportFormat_2.6.0.xsd	Fri Dec 3 16:21:47 2021 UTC
2	C:\Source\AB\ABCommonFormatExporter\Schemas	AtlaBase.CommonExportFormat_2.7.0.xsd	Wed Jan 12 08:58:11 2022 UTC

2. Comparison summary

Description	Between Files 1 and 2	
	Text Blocks	Lines
Unchanged	14	3054
Changed	6	25
Inserted	7	79
Removed	0	0

3. Comparison options

Whitespace	Differences in whitespace are significant
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_2.6.0"	2	targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.7.0"
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_2.6.0"	4	xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.7.0"
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="MediaServer" type="cef:tMediaServer"/>	15	<xs:element name="MediaServer" type="cef:tMediaServer"/>
16	<xs:element name="Symbol" type="cef:tSymbol"/>	16	<xs:element name="Symbol" type="cef:tSymbol"/>
17	</xs:choice>	17	</xs:choice>
18	</xs:complexType>	18	</xs:complexType>
19	</xs:element>	19	</xs:element>
20		20	
21	<!-- Brand -->	21	<!-- Brand -->
22	<xs:complexType name="tBrand">	22	<xs:complexType name="tBrand">
23	<xs:sequence>	23	<xs:sequence>
24	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />	24	<xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
25	</xs:sequence>	25	</xs:sequence>
26	<xs:attribute name="Identifier" type="xs:string" use="required"/>	26	<xs:attribute name="Identifier" type="xs:string" use="required"/>
27	</xs:complexType>	27	</xs:complexType>
28		28	
29	<!-- Filter -->	29	<!-- Filter -->

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

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

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96 <xs:sequence>
97 <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
98 <xs:simpleType>
99 <xs:restriction base="xs:unsignedShort">
100 <xs:minInclusive value="1"/>
101 <xs:maxInclusive value="32767"/>
102 </xs:restriction>
103 </xs:simpleType>
104 </xs:element>
105 <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccurs="1"/>
106 </xs:sequence>
107 </xs:complexType>
108 </xs:element>
109 <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
110 <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
111 <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
112 <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
113 <xs:complexType>
114 <xs:sequence>
115 <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
116 <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
117 <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
118 <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
119 </xs:sequence>
120 </xs:complexType>
121 </xs:element>
122 <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
123 <xs:simpleType>
124 <xs:restriction base="xs:string">
125 <xs:enumeration value="None" />
126 <xs:enumeration value="OrthogonalSinglePointShutters" />
127 <xs:enumeration value="OrthogonalTwoPointShutters" />
128 <xs:enumeration value="PerimetralSinglePointShutters" />
129 <xs:enumeration value="ExternalBarndoors" />
130 <xs:enumeration value="InternalBarndoors" />
131 </xs:restriction>
132 </xs:simpleType>
133 </xs:element>
134 <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
135 <xs:complexType>
136 <xs:sequence>
137 <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
138 <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
139 <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
140 <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
141 <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1" />
142 </xs:sequence>
143 </xs:complexType>
144 </xs:element>
145 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
146 <xs:complexType>
147 <xs:sequence>
148 <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
149 <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
150 <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
151 <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
152 </xs:sequence>
153 <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
154 <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
155 </xs:complexType>
156 </xs:element>
```

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

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157 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
158   <xs:complexType>
159     <xs:sequence>
160       <xs:element name="Host" minOccurs="0" maxOccurs="1">
161         <xs:complexType>
162           <xs:attribute name="PartName" type="xs:string" use="required" />
163           <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
164           <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
165         </xs:complexType>
166       </xs:element>
167       <xs:element name="Model" minOccurs="0" maxOccurs="1">
168         <xs:complexType>
169           <xs:sequence>
170             <xs:element name="Shape" minOccurs="1" maxOccurs="1">
171               <xs:simpleType>
172                 <xs:restriction base="xs:string">
173                   <xs:enumeration value="Box" />
174                   <xs:enumeration value="Tube" />
175                   <xs:enumeration value="Sphere" />
176                   <xs:enumeration value="PAR" />
177                   <xs:enumeration value="TubewithBox" />
178                   <xs:enumeration value="ConeWithTube" />
179                   <xs:enumeration value="SymmetricEgg" />
180                   <xs:enumeration value="FlatBottomEgg" />
181                   <xs:enumeration value="FlatBottomTubeEgg" />
182                   <xs:enumeration value="Scanner" />
183                   <xs:enumeration value="YokeBase" />
184                   <xs:enumeration value="YokeArm" />
185                   <xs:enumeration value="FrontmountBox" />
186                   <xs:enumeration value="FrontmountTube" />
187                   <xs:enumeration value="FrontmountScanner" />
188                 </xs:restriction>
189               </xs:simpleType>
190             </xs:element>
191             <xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
192             <xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
193             <xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
194             <xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />
195           </xs:sequence>
196         </xs:complexType>
197       </xs:element>
198     </xs:sequence>
199     <xs:attribute name="Name" type="xs:string" use="required" />
200   </xs:complexType>
201 </xs:element>
202 <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
203   <xs:complexType>
204     <xs:sequence>
205       <xs:element name="Host" minOccurs="0" maxOccurs="1">
206         <xs:complexType>
207           <xs:attribute name="PartName" type="xs:string" use="required" />
208         </xs:complexType>
209       </xs:element>
210       <xs:element name="Location" minOccurs="0" maxOccurs="1">
211         <xs:complexType>
212           <xs:sequence>
213             <xs:element name="Center" minOccurs="1" maxOccurs="1">
214               <xs:complexType>
215                 <xs:attribute name="X" type="xs:float" use="required" />
216                 <xs:attribute name="Y" type="xs:float" use="required" />
217                 <xs:attribute name="Z" type="xs:float" use="required" />
218               </xs:complexType>
219             </xs:element>
220             <xs:element name="Direction" minOccurs="1" maxOccurs="1">
221               <xs:complexType>
222                 <xs:attribute name="X" type="xs:float" use="required" />
223                 <xs:attribute name="Y" type="xs:float" use="required" />
224                 <xs:attribute name="Z" type="xs:float" use="required" />
225               </xs:complexType>
226             </xs:element>
227             <xs:element name="Normal" minOccurs="1" maxOccurs="1">
228               <xs:complexType>
229                 <xs:attribute name="X" type="xs:float" use="required" />
230                 <xs:attribute name="Y" type="xs:float" use="required" />

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

```

```

231         <xs:attribute name="Z" type="xs:float" use="required" />
232     </xs:complexType>
233 </xs:element>
234 </xs:sequence>
235 </xs:complexType>
236 </xs:element>
237 <xs:element name="Kind" minOccurs="1" maxOccurs="1">
238     <xs:simpleType>
239         <xs:restriction base="xs:string">
240             <xs:enumeration value="Decoration" />
241             <xs:enumeration value="Light" />
242             <xs:enumeration value="VideoProjector" />
243             <xs:enumeration value="VideoPanel" />
244             <xs:enumeration value="Laser" />
245         </xs:restriction>
246     </xs:simpleType>
247 </xs:element>
248 <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
249     <xs:complexType>
250         <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
251         <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
252     </xs:complexType>
253 </xs:element>
254 <xs:element name="Colours" minOccurs="0" maxOccurs="1">
255     <xs:complexType>
256         <xs:sequence>
257             <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
258             <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
259             <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
260             <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
261             <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
262             <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
263             <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
264             <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
265             <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
266         </xs:sequence>
267     </xs:complexType>
268 </xs:element>
269 <xs:element name="ColourMixing" minOccurs="0" maxOccurs="1">
270     <xs:complexType>
271         <xs:sequence>

```

```

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

```

```

284     <xs:complexType>
285     <xs:sequence>
286     <xs:element name="Wattage" type="xs:float" minOccurs="1" maxOccurs="1"/>
287     <xs:element name="Narrow" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0"
maxOccurs="1" />
288     <xs:element name="Wide" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" ma
xOccurs="1" />
289     </xs:sequence>
290     <xs:attribute name="Identifier" type="xs:string" use="required"/>
291     <xs:attribute name="Name" type="xs:string" use="required"/>
292     </xs:complexType>
293 </xs:element>
294 <xs:element name="ApertureType" minOccurs="1" maxOccurs="1">
295   <xs:simpleType>
296     <xs:restriction base="xs:string">
297       <xs:enumeration value="RoundProfile" />
298       <xs:enumeration value="SquareSharp" />
299       <xs:enumeration value="RoundPC" />
300       <xs:enumeration value="RoundFresnel" />
301       <xs:enumeration value="RoundPAR" />
302       <xs:enumeration value="SquareSymmetric" />
303       <xs:enumeration value="SquareAssymetric" />
304       <xs:enumeration value="RoundLambertian" />
305       <xs:enumeration value="SquareLambertian" />
306       <xs:enumeration value="SquarePanel" />
307       <xs:enumeration value="DonutLambertian" />
308       <xs:enumeration value="DonutSymmetric" />
309       <xs:enumeration value="RoundBeam" />
310       <xs:enumeration value="Spherical" />
311     </xs:restriction>
312   </xs:simpleType>
313 </xs:element>
314 <xs:element name="Aperture" minOccurs="0" maxOccurs="unbounded">
315   <xs:complexType>
316     <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
317     <xs:attribute name="X" type="xs:float" use="required" />
318     <xs:attribute name="Y" type="xs:float" use="required" />
319     <xs:attribute name="Diameter" type="xs:float" use="optional" />
320     <xs:attribute name="Width" type="xs:float" use="optional" />
321     <xs:attribute name="Height" type="xs:float" use="optional" />
322     <xs:attribute name="PixelPitch" type="xs:float" use="optional" />
323     <xs:attribute name="PixelSize" type="xs:float" use="optional" />
324     <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
325     <xs:attribute name="OuterDiameter" type="xs:float" use="optional" />
326     <xs:attribute name="StartAngle" type="xs:float" use="optional" />
327     <xs:attribute name="EndAngle" type="xs:float" use="optional" />
328   </xs:complexType>
329 </xs:element>
330 </xs:sequence>
331 <xs:attribute name="Name" type="xs:string" use="optional"/>
332 </xs:complexType>
333 </xs:element>
334 <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
335   <xs:complexType>
336     <xs:sequence>
337       <xs:element name="Type" minOccurs="1" maxOccurs="1">
338         <xs:simpleType>
339           <xs:restriction base="xs:string">
340             <xs:enumeration value="Wheel" />
341             <xs:enumeration value="Scroller" />
342           </xs:restriction>
343         </xs:simpleType>

```

```

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

```

```

344 </xs:element>
345 <xs:element name="MinRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
346 <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
347 <xs:element name="MinFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
348 <xs:element name="MaxFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
349 <xs:element name="Slots">
350 <xs:complexType>
351 <xs:choice minOccurs="0" maxOccurs="unbounded">
352 <xs:element name="Open">
353 <xs:complexType></xs:complexType>
354 </xs:element>
355 <xs:element name="Filter">
356 <xs:complexType>
357 <xs:attribute name="Identfier" type="xs:string" use="required"/>
358 <xs:attribute name="Brand" type="xs:string" use="required"/>
359 <xs:attribute name="Code" type="xs:string" use="optional"/>
360 <xs:attribute name="Name" type="xs:string" use="optional"/>
361 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
362 <xs:attribute name="Origin" type="xs:string" use="optional"/>
363 </xs:complexType>
364 </xs:element>
365 <xs:element name="Gobo">
366 <xs:complexType>
367 <xs:attribute name="Identfier" type="xs:string" use="required"/>
368 <xs:attribute name="Brand" type="xs:string" use="required"/>
369 <xs:attribute name="Code" type="xs:string" use="optional"/>
370 <xs:attribute name="Name" type="xs:string" use="optional"/>
371 <xs:attribute name="PartNo" type="xs:string" use="optional"/>
372 <xs:attribute name="Origin" type="xs:string" use="optional"/>
373 <xs:attribute name="Type" type="cef:tGoboType" use="required"/>
374 </xs:complexType>
375 </xs:element>
376 </xs:choice>
377 </xs:complexType>
378 </xs:element>
379 </xs:sequence>
380 <xs:attribute name="Identfier" type="xs:string" use="required"/>
381 <xs:attribute name="Name" type="xs:string" use="required"/>
382 <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
383 </xs:complexType>
384 </xs:element>
385 <xs:element name="DmxMode" minOccurs="0" maxOccurs="unbounded">
386 <xs:complexType>
387 <xs:sequence>
388 <xs:element name="Option" minOccurs="0" maxOccurs="unbounded">
389 <xs:complexType>
390 <xs:attribute name="Name" type="xs:string" use="required" />
391 <xs:attribute name="Type" use="required">
392 <xs:simpleType>
393 <xs:restriction base="xs:string">
394 <xs:enumeration value="Integer" />
395 <xs:enumeration value="Boolean" />
396 <xs:enumeration value="Text" />
397 </xs:restriction>
398 </xs:simpleType>
399 </xs:attribute>
400 <xs:attribute name="Value" type="xs:string" use="required" />
401 </xs:complexType>
402 </xs:element>
403 <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
404 <xs:complexType>
405 <xs:sequence>
406 <xs:element name="Channel" minOccurs="0" maxOccurs="512">
407 <xs:complexType>
408 <xs:choice minOccurs="0" maxOccurs="unbounded">
409 <!-- Additive light output -->
410 <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimpleCellLevelCom
mand" minOccurs="0" maxOccurs="unbounded" />
411 <xs:element name="SetLightEnabled" type="cef:tSetCellLightEnabledCommand" mi
nOccurs="0" maxOccurs="unbounded" />
412 <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
413 <xs:element name="SetLightColorRenderingIndex" type="cef:tSetCellLightColorR
enderingIndexLevelCommand" minOccurs="0" maxOccurs="unbounded" />

```

```

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

```



```

529     <xs:attribute name="Type" use="required">
530       <xs:simpleType>
531         <xs:restriction base="xs:string">
532           <xs:enumeration value="8Bit" />
533           <xs:enumeration value="16BitMsb" />
534           <xs:enumeration value="16BitLsb" />
535         </xs:restriction>
536       </xs:simpleType>
537     </xs:attribute>
538     <xs:attribute name="OsbChannelIndex" use="optional" type="xs:unsignedInt" />
539
540     <xs:attribute name="Name" use="required"/>
541     <xs:attribute name="ShortName" use="optional"/>
542     <xs:attribute name="DefaultLevel" use="optional"/>
543     <xs:attribute name="DefaultLevelType" use="optional">
544       <xs:simpleType>
545         <xs:restriction base="xs:string">
546           <xs:enumeration value="Explicit" />
547           <xs:enumeration value="Computed" />
548         </xs:restriction>
549       </xs:simpleType>
550     </xs:attribute>
551     <xs:attribute name="LocateLevel" use="optional"/>
552   </xs:complexType>
553 </xs:element>
554 </xs:sequence>
555 </xs:complexType>
556 </xs:element>
557 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
558   <xs:complexType>
559     <xs:sequence minOccurs="1" maxOccurs="unbounded">
560       <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
561         <xs:complexType>
562           <xs:sequence>
563             <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
564               <xs:complexType>
565                 <xs:attribute name="ChannelIndex" type="xs:unsignedInt" use="required" />
566                 <xs:attribute name="DMX" type="xs:int" use="required" />
567               </xs:complexType>
568             </xs:element>
569           </xs:sequence>
570           <xs:attribute name="Time" type="xs:float" use="required" />
571         </xs:complexType>
572       </xs:element>
573     </xs:sequence>
574     <xs:attribute name="Type" use="required">
575       <xs:simpleType>
576         <xs:restriction base="xs:string">
577           <xs:enumeration value="Custom" />
578           <xs:enumeration value="Lock" />
579           <xs:enumeration value="Unlock" />
580           <xs:enumeration value="LampOn" />
581           <xs:enumeration value="LampOff" />
582           <xs:enumeration value="LampModeNormal" />
583           <xs:enumeration value="LampModeLowPower" />
584           <xs:enumeration value="ResetComplete" />
585           <xs:enumeration value="ResetPanTilt" />
586           <xs:enumeration value="ResetColour" />
587           <xs:enumeration value="ResetGobo" />
588           <xs:enumeration value="ResetStrobe" />
589           <xs:enumeration value="ResetFocus" />
590           <xs:enumeration value="ResetZoom" />
591           <xs:enumeration value="ResetFrost" />
592           <xs:enumeration value="ResetIris" />
593           <xs:enumeration value="ResetAllInternal" />
594           <xs:enumeration value="FanModeSlow" />
595           <xs:enumeration value="FanModeFast" />
596         </xs:restriction>
597       </xs:simpleType>
598     </xs:attribute>
599     <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
600     <xs:attribute name="CustomName" type="xs:string" use="optional" />
601   </xs:complexType>
</xs:element>

```

```

567     <xs:attribute name="Type" use="required">
568       <xs:simpleType>
569         <xs:restriction base="xs:string">
570           <xs:enumeration value="8Bit" />
571           <xs:enumeration value="16BitMsb" />
572           <xs:enumeration value="16BitLsb" />
573         </xs:restriction>
574       </xs:simpleType>
575     </xs:attribute>
576     <xs:attribute name="OsbChannelIndex" use="optional" type="xs:unsignedInt" />
577     <xs:attribute name="ExternalModeStart" use="optional" type="xs:string" />
578     <xs:attribute name="Name" use="required"/>
579     <xs:attribute name="ShortName" use="optional"/>
580     <xs:attribute name="DefaultLevel" use="optional"/>
581     <xs:attribute name="DefaultLevelType" use="optional">
582       <xs:simpleType>
583         <xs:restriction base="xs:string">
584           <xs:enumeration value="Explicit" />
585           <xs:enumeration value="Computed" />
586         </xs:restriction>
587       </xs:simpleType>
588     </xs:attribute>
589     <xs:attribute name="LocateLevel" use="optional"/>
590   </xs:complexType>
591 </xs:element>
592 </xs:sequence>
593 </xs:complexType>
594 </xs:element>
595 <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
596   <xs:complexType>
597     <xs:sequence minOccurs="1" maxOccurs="unbounded">
598       <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
599         <xs:complexType>
600           <xs:sequence>
601             <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
602               <xs:complexType>
603                 <xs:attribute name="ChannelIndex" type="xs:unsignedInt" use="required" />
604                 <xs:attribute name="DMX" type="xs:int" use="required" />
605               </xs:complexType>
606             </xs:element>
607           </xs:sequence>
608           <xs:attribute name="Time" type="xs:float" use="required" />
609         </xs:complexType>
610       </xs:element>
611     </xs:sequence>
612     <xs:attribute name="Type" use="required">
613       <xs:simpleType>
614         <xs:restriction base="xs:string">
615           <xs:enumeration value="Custom" />
616           <xs:enumeration value="Lock" />
617           <xs:enumeration value="Unlock" />
618           <xs:enumeration value="LampOn" />
619           <xs:enumeration value="LampOff" />
620           <xs:enumeration value="LampModeNormal" />
621           <xs:enumeration value="LampModeLowPower" />
622           <xs:enumeration value="ResetComplete" />
623           <xs:enumeration value="ResetPanTilt" />
624           <xs:enumeration value="ResetColour" />
625           <xs:enumeration value="ResetGobo" />
626           <xs:enumeration value="ResetStrobe" />
627           <xs:enumeration value="ResetFocus" />
628           <xs:enumeration value="ResetZoom" />
629           <xs:enumeration value="ResetFrost" />
630           <xs:enumeration value="ResetIris" />
631           <xs:enumeration value="ResetAllInternal" />
632           <xs:enumeration value="FanModeSlow" />
633           <xs:enumeration value="FanModeFast" />
634         </xs:restriction>
635       </xs:simpleType>
636     </xs:attribute>
637     <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
638     <xs:attribute name="CustomName" type="xs:string" use="optional" />
639   </xs:complexType>
640 </xs:element>

```



```
748         </xs:restriction>
749     </xs:simpleType>
750 </xs:attribute>
751 <xs:attribute name="CITPPParameterIndex" type="xs:byte" use="optional" />
752 </xs:complexType>
753 </xs:element>
754 </xs:sequence>
755 </xs:complexType>
756 </xs:element>
757 </xs:sequence>
758 <xs:attribute name="Identfier" type="xs:string" use="required"/>
759 <xs:attribute name="Name" type="xs:string" use="required" />
760 </xs:complexType>
761
762 <xs:complexType name="tMediaServerDimmerRange">
763 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
764 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
765 <xs:attribute name="DimmerFrom" use="required">
766 <xs:simpleType>
767 <xs:restriction base="xs:float">
768 <xs:minInclusive value="0" />
769 <xs:maxInclusive value="1" />
770 </xs:restriction>
771 </xs:simpleType>
772 </xs:attribute>
773 <xs:attribute name="DimmerTo" use="required">
774 <xs:simpleType>
775 <xs:restriction base="xs:float">
776 <xs:minInclusive value="0" />
777 <xs:maxInclusive value="1" />
778 </xs:restriction>
779 </xs:simpleType>
780 </xs:attribute>
781 </xs:complexType>
782
783 <xs:complexType name="tMediaServerRange">
784 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
785 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
786 <!-- Substitute ### with the 8-bit DMX level -->
787 <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
788 <xs:attribute name="Text" type="xs:string" use="required" />
789 <xs:attribute name="From" type="xs:string" use="required" />
790 <xs:attribute name="To" type="xs:string" use="required" />
791 </xs:complexType>
792
793 <xs:complexType name="tMediaServerSnap">
794 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
795 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
796 <!-- Substitute ### with the 8-bit DMX level -->
797 <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
798 <xs:attribute name="Text" type="xs:string" use="required" />
799 <xs:attribute name="To" type="xs:string" use="optional" />
800 </xs:complexType>
801
802 <xs:complexType name="tMediaServerList">
803 <xs:sequence>
804 <xs:element name="Entry" minOccurs="1" maxOccurs="255">
805 <xs:complexType>
806 <xs:sequence>
807 <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
808 <xs:complexType>
809 <xs:attribute name="Name" type="xs:string" use="required" />
810 <xs:attribute name="Function" type="xs:string" use="required" />
811 </xs:complexType>
812 </xs:element>
813 </xs:sequence>
814 <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
815 <xs:attribute name="End" type="xs:unsignedByte" use="required" />
816 <xs:attribute name="Name" type="xs:string" use="required" />
817 </xs:complexType>
818 </xs:element>
819 </xs:sequence>
820 <xs:attribute name="Name" type="xs:string" use="required" />
821 </xs:complexType>
```

```
787         </xs:restriction>
788     </xs:simpleType>
789 </xs:attribute>
790 <xs:attribute name="CITPPParameterIndex" type="xs:byte" use="optional" />
791 </xs:complexType>
792 </xs:element>
793 </xs:sequence>
794 </xs:complexType>
795 </xs:element>
796 </xs:sequence>
797 <xs:attribute name="Identfier" type="xs:string" use="required"/>
798 <xs:attribute name="Name" type="xs:string" use="required" />
799 </xs:complexType>
800
801 <xs:complexType name="tMediaServerDimmerRange">
802 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
803 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
804 <xs:attribute name="DimmerFrom" use="required">
805 <xs:simpleType>
806 <xs:restriction base="xs:float">
807 <xs:minInclusive value="0" />
808 <xs:maxInclusive value="1" />
809 </xs:restriction>
810 </xs:simpleType>
811 </xs:attribute>
812 <xs:attribute name="DimmerTo" use="required">
813 <xs:simpleType>
814 <xs:restriction base="xs:float">
815 <xs:minInclusive value="0" />
816 <xs:maxInclusive value="1" />
817 </xs:restriction>
818 </xs:simpleType>
819 </xs:attribute>
820 </xs:complexType>
821
822 <xs:complexType name="tMediaServerRange">
823 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
824 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
825 <!-- Substitute ### with the 8-bit DMX level -->
826 <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
827 <xs:attribute name="Text" type="xs:string" use="required" />
828 <xs:attribute name="From" type="xs:string" use="required" />
829 <xs:attribute name="To" type="xs:string" use="required" />
830 </xs:complexType>
831
832 <xs:complexType name="tMediaServerSnap">
833 <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
834 <xs:attribute name="End" type="xs:unsignedInt" use="required" />
835 <!-- Substitute ### with the 8-bit DMX level -->
836 <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
837 <xs:attribute name="Text" type="xs:string" use="required" />
838 <xs:attribute name="To" type="xs:string" use="optional" />
839 </xs:complexType>
840
841 <xs:complexType name="tMediaServerList">
842 <xs:sequence>
843 <xs:element name="Entry" minOccurs="1" maxOccurs="255">
844 <xs:complexType>
845 <xs:sequence>
846 <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
847 <xs:complexType>
848 <xs:attribute name="Name" type="xs:string" use="required" />
849 <xs:attribute name="Function" type="xs:string" use="required" />
850 </xs:complexType>
851 </xs:element>
852 </xs:sequence>
853 <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
854 <xs:attribute name="End" type="xs:unsignedByte" use="required" />
855 <xs:attribute name="Name" type="xs:string" use="required" />
856 </xs:complexType>
857 </xs:element>
858 </xs:sequence>
859 <xs:attribute name="Name" type="xs:string" use="required" />
860 </xs:complexType>
```

```
822
823 <!-- Symbol -->
824 <xs:complexType name="tSymbol">
825   <xs:sequence>
826     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
827       <xs:complexType>
828         <xs:sequence>
829           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
830             <xs:complexType>
831               <xs:attribute name="X" type="xs:float" use="required" />
832               <xs:attribute name="Y" type="xs:float" use="required" />
833             </xs:complexType>
834           </xs:element>
835         </xs:sequence>
836         <xs:attribute name="Type" use="required">
837           <xs:simpleType>
838             <xs:restriction base="xs:string">
839               <xs:enumeration value="Fill" />
840               <xs:enumeration value="Line" />
841             </xs:restriction>
842           </xs:simpleType>
843         </xs:attribute>
844       </xs:complexType>
845     </xs:element>
846   </xs:sequence>
847   <xs:attribute name="Identifier" type="xs:string" use="required"/>
848   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
849   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
850   <xs:attribute name="Brand" type="xs:string" use="required"/>
851   <xs:attribute name="Name" type="xs:string" use="optional"/>
852 </xs:complexType>
853
854 <!-- Generic DMX Mode command types -->
855 <xs:complexType name="tSimpleCommand">
856   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
857   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
858 </xs:complexType>
859
860 <xs:complexType name="tSimpleLevelCommand">
861   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
862   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
863   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
864   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
865 </xs:complexType>
866
867 <xs:complexType name="tSimpleCellLevelCommand">
868   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
869   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
870   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
871   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
872   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
873   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
874 </xs:complexType>
875
876 <xs:complexType name="tSimpleSpeedCommand">
877   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
878   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
879   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
880   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
881 </xs:complexType>
882
883 <xs:complexType name="tSimpleTimeCommand">
884   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
885   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
886   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
887   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
888 </xs:complexType>
889
890 <xs:complexType name="tSimpleStrobeCommand">
891   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
892   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
893   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
894   <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
895   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
```

```
861
862 <!-- Symbol -->
863 <xs:complexType name="tSymbol">
864   <xs:sequence>
865     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
866       <xs:complexType>
867         <xs:sequence>
868           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
869             <xs:complexType>
870               <xs:attribute name="X" type="xs:float" use="required" />
871               <xs:attribute name="Y" type="xs:float" use="required" />
872             </xs:complexType>
873           </xs:element>
874         </xs:sequence>
875         <xs:attribute name="Type" use="required">
876           <xs:simpleType>
877             <xs:restriction base="xs:string">
878               <xs:enumeration value="Fill" />
879               <xs:enumeration value="Line" />
880             </xs:restriction>
881           </xs:simpleType>
882         </xs:attribute>
883       </xs:complexType>
884     </xs:element>
885   </xs:sequence>
886   <xs:attribute name="Identifier" type="xs:string" use="required"/>
887   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
888   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
889   <xs:attribute name="Brand" type="xs:string" use="required"/>
890   <xs:attribute name="Name" type="xs:string" use="optional"/>
891 </xs:complexType>
892
893 <!-- Generic DMX Mode command types -->
894 <xs:complexType name="tSimpleCommand">
895   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
896   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
897 </xs:complexType>
898
899 <xs:complexType name="tSimpleLevelCommand">
900   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
901   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
902   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
903   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
904 </xs:complexType>
905
906 <xs:complexType name="tSimpleCellLevelCommand">
907   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
908   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
909   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
910   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
911   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
912   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
913 </xs:complexType>
914
915 <xs:complexType name="tSimpleSpeedCommand">
916   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
917   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
918   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
919   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
920 </xs:complexType>
921
922 <xs:complexType name="tSimpleTimeCommand">
923   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
924   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
925   <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
926   <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
927 </xs:complexType>
928
929 <xs:complexType name="tSimpleStrobeCommand">
930   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
931   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
932   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
933   <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
934   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
```



```
970 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
971 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
972 <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
973 <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
974 </xs:complexType>
975
976 <xs:complexType name="tSetShutterStrobeRateCommand">
977 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
978 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
979 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
980 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
981 </xs:complexType>
982
983 <xs:complexType name="tSetShutterStrobeVariableRateCommand">
984 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
985 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
986 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
987 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
988 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
989 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
990 </xs:complexType>
991
992 <xs:complexType name="tSetShutterStrobeDurationCommand">
993 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
994 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
995 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
996 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
997 <xs:attribute name="ToTiming" use="required">
998 <xs:simpleType>
999 <xs:restriction base="xs:string">
1000 <xs:enumeration value="Absolute" />
1001 <xs:enumeration value="Relative" />
1002 </xs:restriction>
1003 </xs:simpleType>
1004 </xs:attribute>
1005 <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1006 <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1007 </xs:complexType>
1008
1009 <xs:complexType name="tSetFocusModeCommand">
1010 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1011 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1012 <xs:attribute name="ToMode" use="required">
1013 <xs:simpleType>
1014 <xs:restriction base="xs:string">
1015 <xs:enumeration value="Normal" />
1016 <xs:enumeration value="Auto" />
1017 </xs:restriction>
1018 </xs:simpleType>
1019 </xs:attribute>
1020 </xs:complexType>
1021
```

```
1009 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
1010 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1011 <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1012 <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1013 </xs:complexType>
1014
1015 <xs:complexType name="tSetShutterStrobeRateCommand">
1016 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1017 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1018 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
1019 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1020 </xs:complexType>
1021
1022 <xs:complexType name="tSetShutterStrobeVariableRateCommand">
1023 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1024 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1025 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
1026 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1027 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1028 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1029 </xs:complexType>
1030
1031 <xs:complexType name="tSetShutterStrobeDurationCommand">
1032 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1033 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1034 <xs:attribute name="Layer" type="cef:tControllLayer" use="optional"/>
1035 <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1036 <xs:attribute name="ToTiming" use="required">
1037 <xs:simpleType>
1038 <xs:restriction base="xs:string">
1039 <xs:enumeration value="Absolute" />
1040 <xs:enumeration value="Relative" />
1041 </xs:restriction>
1042 </xs:simpleType>
1043 </xs:attribute>
1044 <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1045 <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1046 </xs:complexType>
1047
1048 <xs:complexType name="tSetFocusModeCommand">
1049 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1050 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1051 <xs:attribute name="ToMode" use="required">
1052 <xs:simpleType>
1053 <xs:restriction base="xs:string">
1054 <xs:enumeration value="Normal" />
1055 <xs:enumeration value="Auto" />
1056 </xs:restriction>
1057 </xs:simpleType>
1058 </xs:attribute>
1059 </xs:complexType>
1060
1061 <xs:complexType name="tSetFrostLevelCommand">
1062 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1063 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1064 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1065 <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
1066 <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1067 </xs:complexType>
1068
1069 <xs:complexType name="tSetFrostStrobeCommand">
1070 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1071 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1072 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1073 <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1074 <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1075 <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1076 <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1077 </xs:complexType>
1078
1079 <xs:complexType name="tCustomFrostCommand">
1080 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1081 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1082 <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional"/>
```



```
1156 <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1157 </xs:complexType>
1158
1159 <xs:complexType name="tSetMotionModeCommand">
1160 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1161 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1162 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1163 <xs:attribute name="ToMode" use="required">
1164 <xs:simpleType>
1165 <xs:restriction base="xs:string">
1166 <xs:enumeration value="Indexed" />
1167 <xs:enumeration value="Spinning" />
1168 </xs:restriction>
1169 </xs:simpleType>
1170 </xs:attribute>
1171 </xs:complexType>
1172
1173 <xs:complexType name="tMotionCommand">
1174 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1175 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1176 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1177 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1178 </xs:complexType>
1179
1180 <xs:complexType name="tSetMotionDirectionCommand">
1181 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1182 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1183 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1184 <xs:attribute name="ToDirection" use="required">
1185 <xs:simpleType>
1186 <xs:restriction base="xs:string">
1187 <xs:enumeration value="Reverse" />
1188 <xs:enumeration value="Forward" />
1189 </xs:restriction>
1190 </xs:simpleType>
1191 </xs:attribute>
1192 </xs:complexType>
1193
1194 <xs:complexType name="tMotionSpeedCommand">
1195 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1196 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1197 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1198 <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1199 <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1200 </xs:complexType>
1201
1202 <xs:complexType name="tMotionTimeCommand">
1203 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1204 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1205 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1206 <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1207 <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1208 </xs:complexType>
1209
1210 <xs:complexType name="tSetVectorPositionCommand">
1211 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1212 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1213 <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1214 <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1215 <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1216 </xs:complexType>
1217
1218 <xs:complexType name="tSetLampModeCommand">
1219 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1220 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1221 <xs:attribute name="ToMode" use="required">
1222 <xs:simpleType>
1223 <xs:restriction base="xs:string">
1224 <xs:enumeration value="Normal" />
1225 <xs:enumeration value="LowPower" />
1226 </xs:restriction>
1227 </xs:simpleType>
1228 </xs:attribute>
1229 </xs:complexType>
```

```
1231 <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1232 </xs:complexType>
1233
1234 <xs:complexType name="tSetMotionModeCommand">
1235 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1236 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1237 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1238 <xs:attribute name="ToMode" use="required">
1239 <xs:simpleType>
1240 <xs:restriction base="xs:string">
1241 <xs:enumeration value="Indexed" />
1242 <xs:enumeration value="Spinning" />
1243 </xs:restriction>
1244 </xs:simpleType>
1245 </xs:attribute>
1246 </xs:complexType>
1247
1248 <xs:complexType name="tMotionCommand">
1249 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1250 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1251 <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1252 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1253 </xs:complexType>
1254
1255 <xs:complexType name="tSetMotionDirectionCommand">
1256 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1257 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1258 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1259 <xs:attribute name="ToDirection" use="required">
1260 <xs:simpleType>
1261 <xs:restriction base="xs:string">
1262 <xs:enumeration value="Reverse" />
1263 <xs:enumeration value="Forward" />
1264 </xs:restriction>
1265 </xs:simpleType>
1266 </xs:attribute>
1267 </xs:complexType>
1268
1269 <xs:complexType name="tMotionSpeedCommand">
1270 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1271 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1272 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1273 <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1274 <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1275 </xs:complexType>
1276
1277 <xs:complexType name="tMotionTimeCommand">
1278 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1279 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1280 <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1281 <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1282 <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1283 </xs:complexType>
1284
1285 <xs:complexType name="tSetVectorPositionCommand">
1286 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1287 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1288 <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1289 <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1290 <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1291 </xs:complexType>
1292
1293 <xs:complexType name="tSetLampModeCommand">
1294 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1295 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1296 <xs:attribute name="ToMode" use="required">
1297 <xs:simpleType>
1298 <xs:restriction base="xs:string">
1299 <xs:enumeration value="Normal" />
1300 <xs:enumeration value="LowPower" />
1301 </xs:restriction>
1302 </xs:simpleType>
1303 </xs:attribute>
1304 </xs:complexType>
```

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1230
1231 <xs:complexType name="tSetLaserStrobeCommand">
1232   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1233   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1234   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1235   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1236   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1237 </xs:complexType>
1238
1239 <xs:complexType name="tSetFanModeCommand">
1240   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1241   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1242   <xs:attribute name="ToMode" use="required">
1243     <xs:simpleType>
1244       <xs:restriction base="xs:string">
1245         <xs:enumeration value="Fast" />
1246         <xs:enumeration value="Slow" />
1247       </xs:restriction>
1248     </xs:simpleType>
1249   </xs:attribute>
1250 </xs:complexType>
1251
1252 <xs:complexType name="tCustomCommand">
1253   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1254   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1255   <xs:attribute name="Usage" use="required">
1256     <xs:simpleType>
1257       <xs:restriction base="xs:string">
1258         <xs:enumeration value="Snap" />
1259         <xs:enumeration value="Range" />
1260       </xs:restriction>
1261     </xs:simpleType>
1262   </xs:attribute>
1263   <xs:attribute name="Description" type="xs:string" use="required"/>
1264   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1265   <xs:attribute name="From" type="xs:string" use="optional"/>
1266   <xs:attribute name="To" type="xs:string" use="optional"/>
1267 </xs:complexType>
1268
1269 <xs:complexType name="tResetCommand">
1270   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1271   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1272   <xs:attribute name="ToType" use="required">
1273     <xs:simpleType>
1274       <xs:restriction base="xs:string">
1275         <xs:enumeration value="Complete" />
1276         <xs:enumeration value="PanTilt" />
1277         <xs:enumeration value="Colour" />
1278         <xs:enumeration value="Gobo" />
1279         <xs:enumeration value="Strobe" />
1280         <xs:enumeration value="Focus" />
1281         <xs:enumeration value="Zoom" />
1282         <xs:enumeration value="Frost" />
1283         <xs:enumeration value="Iris" />
1284         <xs:enumeration value="AllInternal" />
1285       </xs:restriction>
1286     </xs:simpleType>
1287   </xs:attribute>
1288 </xs:complexType>
1289
1290 <xs:complexType name="tPresetCommand">
1291   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1292   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1293   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1294   <xs:attribute name="Usage" use="required">
1295     <xs:simpleType>
1296       <xs:restriction base="xs:string">
1297         <xs:enumeration value="Snap" />
1298         <xs:enumeration value="Range" />
1299       </xs:restriction>
1300     </xs:simpleType>
1301   </xs:attribute>
1302   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1303   <xs:attribute name="EndColor" type="xs:string" use="optional"/>

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1305
1306 <xs:complexType name="tSetLaserStrobeCommand">
1307   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1308   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1309   <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1310   <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1311   <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1312 </xs:complexType>
1313
1314 <xs:complexType name="tSetFanModeCommand">
1315   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1316   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1317   <xs:attribute name="ToMode" use="required">
1318     <xs:simpleType>
1319       <xs:restriction base="xs:string">
1320         <xs:enumeration value="Fast" />
1321         <xs:enumeration value="Slow" />
1322       </xs:restriction>
1323     </xs:simpleType>
1324   </xs:attribute>
1325 </xs:complexType>
1326
1327 <xs:complexType name="tCustomCommand">
1328   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330   <xs:attribute name="Usage" use="required">
1331     <xs:simpleType>
1332       <xs:restriction base="xs:string">
1333         <xs:enumeration value="Snap" />
1334         <xs:enumeration value="Range" />
1335       </xs:restriction>
1336     </xs:simpleType>
1337   </xs:attribute>
1338   <xs:attribute name="Description" type="xs:string" use="required"/>
1339   <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1340   <xs:attribute name="From" type="xs:string" use="optional"/>
1341   <xs:attribute name="To" type="xs:string" use="optional"/>
1342 </xs:complexType>
1343
1344 <xs:complexType name="tResetCommand">
1345   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1346   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1347   <xs:attribute name="ToType" use="required">
1348     <xs:simpleType>
1349       <xs:restriction base="xs:string">
1350         <xs:enumeration value="Complete" />
1351         <xs:enumeration value="PanTilt" />
1352         <xs:enumeration value="Colour" />
1353         <xs:enumeration value="Gobo" />
1354         <xs:enumeration value="Strobe" />
1355         <xs:enumeration value="Focus" />
1356         <xs:enumeration value="Zoom" />
1357         <xs:enumeration value="Frost" />
1358         <xs:enumeration value="Iris" />
1359         <xs:enumeration value="AllInternal" />
1360       </xs:restriction>
1361     </xs:simpleType>
1362   </xs:attribute>
1363 </xs:complexType>
1364
1365 <xs:complexType name="tPresetCommand">
1366   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1367   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1368   <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1369   <xs:attribute name="Usage" use="required">
1370     <xs:simpleType>
1371       <xs:restriction base="xs:string">
1372         <xs:enumeration value="Snap" />
1373         <xs:enumeration value="Range" />
1374       </xs:restriction>
1375     </xs:simpleType>
1376   </xs:attribute>
1377   <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1378   <xs:attribute name="EndColor" type="xs:string" use="optional"/>

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1304 <xs:attribute name="Description" type="xs:string" use="required"/>
1305 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1306 </xs:complexType>
1307
1308 <xs:complexType name="tPresetScrollCommand">
1309 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1310 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1311 <xs:attribute name="ToMode" use="required">
1312 <xs:simpleType>
1313 <xs:restriction base="xs:string">
1314 <xs:enumeration value="Forward" />
1315 <xs:enumeration value="Reverse" />
1316 <xs:enumeration value="Bounce" />
1317 <xs:enumeration value="Random" />
1318 <xs:enumeration value="Sound" />
1319 <xs:enumeration value="Stop" />
1320 </xs:restriction>
1321 </xs:simpleType>
1322 </xs:attribute>
1323 </xs:complexType>
1324
1325 <xs:complexType name="tTextCommand">
1326 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1327 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1328 <xs:attribute name="Description" type="xs:string" use="required"/>
1329 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1330 </xs:complexType>
1331
1332 <!-- Common simple types-->
1333 <xs:simpleType name="tVisibility">
1334 <xs:restriction base="xs:string">
1335 <xs:enumeration value="Public" />
1336 <xs:enumeration value="Private" />
1337 </xs:restriction>
1338 </xs:simpleType>
1339
1340 <xs:simpleType name="tGoboType">
1341 <xs:restriction base="xs:string">
1342 <xs:enumeration value="Pattern" />
1343 <xs:enumeration value="Animation Disc" />
1344 <xs:enumeration value="Linear 2-Facet Prism" />
1345 <xs:enumeration value="Circular 3-Facet Prism" />
1346 <xs:enumeration value="Circular 4-Facet Prism" />
1347 <xs:enumeration value="Linear 4-Facet Prism" />
1348 <xs:enumeration value="Circular 5-Facet Prism" />
1349 <xs:enumeration value="Linear 5-Facet Prism" />
1350 <xs:enumeration value="Round 5-Facet Prism" />
1351 <xs:enumeration value="Circular 6-Facet Prism" />
1352 <xs:enumeration value="Linear 6-Facet Prism" />
1353 <xs:enumeration value="Round 6-Facet Prism" />
1354 <xs:enumeration value="Round 7-Facet Prism" />
1355 <xs:enumeration value="Circular 8-Facet Prism" />
1356 <xs:enumeration value="Linear 8-Facet Prism" />
1357 <xs:enumeration value="Round 9-Facet Prism" />
1358 <xs:enumeration value="Linear 10-Facet Prism" />
1359 <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1360 <xs:enumeration value="Circular 16-16-Facet Prism" />
1361 <xs:enumeration value="Bar Prism" />
1362 <xs:enumeration value="Comet Prism" />
1363 </xs:restriction>
1364 </xs:simpleType>
1365
1366 <xs:simpleType name="tChromaticityValue">
1367 <xs:restriction base="xs:float">
1368 <xs:minInclusive value="0"/>
1369 <xs:maxInclusive value="1"/>
1370 </xs:restriction>
1371 </xs:simpleType>
1372
1373 <xs:simpleType name="tDmxChannelOffset">
1374 <xs:restriction base="xs:unsignedInt">
1375 <xs:minInclusive value="0"/>
1376 <xs:maxInclusive value="511"/>
1377 </xs:restriction>

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1379 <xs:attribute name="Description" type="xs:string" use="required"/>
1380 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1381 </xs:complexType>
1382
1383 <xs:complexType name="tPresetScrollCommand">
1384 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1385 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1386 <xs:attribute name="ToMode" use="required">
1387 <xs:simpleType>
1388 <xs:restriction base="xs:string">
1389 <xs:enumeration value="Forward" />
1390 <xs:enumeration value="Reverse" />
1391 <xs:enumeration value="Bounce" />
1392 <xs:enumeration value="Random" />
1393 <xs:enumeration value="Sound" />
1394 <xs:enumeration value="Stop" />
1395 </xs:restriction>
1396 </xs:simpleType>
1397 </xs:attribute>
1398 </xs:complexType>
1399
1400 <xs:complexType name="tTextCommand">
1401 <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1402 <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1403 <xs:attribute name="Description" type="xs:string" use="required"/>
1404 <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1405 </xs:complexType>
1406
1407 <!-- Common simple types-->
1408 <xs:simpleType name="tVisibility">
1409 <xs:restriction base="xs:string">
1410 <xs:enumeration value="Public" />
1411 <xs:enumeration value="Private" />
1412 </xs:restriction>
1413 </xs:simpleType>
1414
1415 <xs:simpleType name="tGoboType">
1416 <xs:restriction base="xs:string">
1417 <xs:enumeration value="Pattern" />
1418 <xs:enumeration value="Animation Disc" />
1419 <xs:enumeration value="Linear 2-Facet Prism" />
1420 <xs:enumeration value="Circular 3-Facet Prism" />
1421 <xs:enumeration value="Circular 4-Facet Prism" />
1422 <xs:enumeration value="Linear 4-Facet Prism" />
1423 <xs:enumeration value="Circular 5-Facet Prism" />
1424 <xs:enumeration value="Linear 5-Facet Prism" />
1425 <xs:enumeration value="Round 5-Facet Prism" />
1426 <xs:enumeration value="Circular 6-Facet Prism" />
1427 <xs:enumeration value="Linear 6-Facet Prism" />
1428 <xs:enumeration value="Round 6-Facet Prism" />
1429 <xs:enumeration value="Round 7-Facet Prism" />
1430 <xs:enumeration value="Circular 8-Facet Prism" />
1431 <xs:enumeration value="Linear 8-Facet Prism" />
1432 <xs:enumeration value="Round 9-Facet Prism" />
1433 <xs:enumeration value="Linear 10-Facet Prism" />
1434 <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1435 <xs:enumeration value="Circular 16-16-Facet Prism" />
1436 <xs:enumeration value="Bar Prism" />
1437 <xs:enumeration value="Comet Prism" />
1438 </xs:restriction>
1439 </xs:simpleType>
1440
1441 <xs:simpleType name="tChromaticityValue">
1442 <xs:restriction base="xs:float">
1443 <xs:minInclusive value="0"/>
1444 <xs:maxInclusive value="1"/>
1445 </xs:restriction>
1446 </xs:simpleType>
1447
1448 <xs:simpleType name="tDmxChannelOffset">
1449 <xs:restriction base="xs:unsignedInt">
1450 <xs:minInclusive value="0"/>
1451 <xs:maxInclusive value="511"/>
1452 </xs:restriction>

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```
1378 </xs:simpleType>
1379
1380 <xs:simpleType name="tControllLayer">
1381   <xs:restriction base="xs:string">
1382     <xs:enumeration value="Individual" />
1383     <xs:enumeration value="Group" />
1384   </xs:restriction>
1385 </xs:simpleType>
1386
1387 <xs:simpleType name="tCellArray">
1388   <xs:restriction base="xs:string">
1389     <xs:pattern value="\d+(?:,\d+)*" />
1390   </xs:restriction>
1391 </xs:simpleType>
1392
1393 <xs:simpleType name="tSimpleRangeValue">
1394   <xs:restriction base="xs:float">
1395     <xs:minInclusive value="0"/>
1396     <xs:maxInclusive value="1"/>
1397   </xs:restriction>
1398 </xs:simpleType>
1399
1400 <xs:simpleType name="tWideRangeValue">
1401   <xs:restriction base="xs:float">
1402     <xs:minInclusive value="-1"/>
1403     <xs:maxInclusive value="1"/>
1404   </xs:restriction>
1405 </xs:simpleType>
1406
1407 <xs:simpleType name="tUnboundedRangeValue">
1408   <xs:restriction base="xs:float"/>
1409 </xs:simpleType>
1410
1411 <xs:simpleType name="tTimeRangeValue">
1412   <xs:restriction base="xs:float">
1413     <xs:minInclusive value="0"/>
1414   </xs:restriction>
1415 </xs:simpleType>
1416
1417 <xs:simpleType name="tColorRenderingIndexRangeValue">
1418   <xs:restriction base="xs:float">
1419     <xs:minInclusive value="0"/>
1420     <xs:maxInclusive value="100"/>
1421   </xs:restriction>
1422 </xs:simpleType>
1423
1424 <xs:simpleType name="tColorTemperatureRangeValue">
1425   <xs:restriction base="xs:float">
1426     <xs:minInclusive value="0"/>
1427     <xs:maxInclusive value="30000"/>
1428   </xs:restriction>
1429 </xs:simpleType>
1430
1431 <xs:simpleType name="tFramingShutterDepthValue">
1432   <xs:restriction base="xs:float">
1433     <xs:minInclusive value="0"/>
1434     <xs:maxInclusive value="2"/>
1435   </xs:restriction>
1436 </xs:simpleType>
1437
1438 <xs:simpleType name="tFramingShutterAngleValue">
1439   <xs:restriction base="xs:float">
1440     <xs:minInclusive value="-360"/>
1441     <xs:maxInclusive value="360"/>
1442   </xs:restriction>
1443 </xs:simpleType>
1444
1445 <xs:simpleType name="tOnOff">
1446   <xs:restriction base="xs:string">
1447     <xs:enumeration value="On" />
1448     <xs:enumeration value="Off" />
1449   </xs:restriction>
1450 </xs:simpleType>
1451
```

```
1453 </xs:simpleType>
1454
1455 <xs:simpleType name="tControllLayer">
1456   <xs:restriction base="xs:string">
1457     <xs:enumeration value="Individual" />
1458     <xs:enumeration value="Group" />
1459   </xs:restriction>
1460 </xs:simpleType>
1461
1462 <xs:simpleType name="tCellArray">
1463   <xs:restriction base="xs:string">
1464     <xs:pattern value="\d+(,\d+)*" />
1465   </xs:restriction>
1466 </xs:simpleType>
1467
1468 <xs:simpleType name="tSimpleRangeValue">
1469   <xs:restriction base="xs:float">
1470     <xs:minInclusive value="0"/>
1471     <xs:maxInclusive value="1"/>
1472   </xs:restriction>
1473 </xs:simpleType>
1474
1475 <xs:simpleType name="tWideRangeValue">
1476   <xs:restriction base="xs:float">
1477     <xs:minInclusive value="-1"/>
1478     <xs:maxInclusive value="1"/>
1479   </xs:restriction>
1480 </xs:simpleType>
1481
1482 <xs:simpleType name="tUnboundedRangeValue">
1483   <xs:restriction base="xs:float"/>
1484 </xs:simpleType>
1485
1486 <xs:simpleType name="tTimeRangeValue">
1487   <xs:restriction base="xs:float">
1488     <xs:minInclusive value="0"/>
1489   </xs:restriction>
1490 </xs:simpleType>
1491
1492 <xs:simpleType name="tColorRenderingIndexRangeValue">
1493   <xs:restriction base="xs:float">
1494     <xs:minInclusive value="0"/>
1495     <xs:maxInclusive value="100"/>
1496   </xs:restriction>
1497 </xs:simpleType>
1498
1499 <xs:simpleType name="tColorTemperatureRangeValue">
1500   <xs:restriction base="xs:float">
1501     <xs:minInclusive value="0"/>
1502     <xs:maxInclusive value="30000"/>
1503   </xs:restriction>
1504 </xs:simpleType>
1505
1506 <xs:simpleType name="tFramingShutterDepthValue">
1507   <xs:restriction base="xs:float">
1508     <xs:minInclusive value="0"/>
1509     <xs:maxInclusive value="2"/>
1510   </xs:restriction>
1511 </xs:simpleType>
1512
1513 <xs:simpleType name="tFramingShutterAngleValue">
1514   <xs:restriction base="xs:float">
1515     <xs:minInclusive value="-360"/>
1516     <xs:maxInclusive value="360"/>
1517   </xs:restriction>
1518 </xs:simpleType>
1519
1520 <xs:simpleType name="tOnOff">
1521   <xs:restriction base="xs:string">
1522     <xs:enumeration value="On" />
1523     <xs:enumeration value="Off" />
1524   </xs:restriction>
1525 </xs:simpleType>
1526
```

```
1452 <xs:simpleType name="tStrobeMode">
1453   <xs:restriction base="xs:string">
1454     <xs:enumeration value="Linear" />
1455     <xs:enumeration value="Random" />
1456     <xs:enumeration value="ApertureRandom" />
1457     <xs:enumeration value="SynchronizedRandom" />
1458     <xs:enumeration value="Lightning" />
1459     <xs:enumeration value="Spikes" />
1460   </xs:restriction>
1461 </xs:simpleType>
1462
1463 <xs:simpleType name="tStrobeTransition">
1464   <xs:restriction base="xs:string">
1465     <xs:enumeration value="RampRamp" />
1466     <xs:enumeration value="RampSnap" />
1467     <xs:enumeration value="SnapRamp" />
1468     <xs:enumeration value="SnapSnap" />
1469   </xs:restriction>
1470 </xs:simpleType>
1471
```

```
1472 <xs:simpleType name="tWheelIndex">
1473   <xs:restriction base="xs:unsignedInt">
1474     <xs:minInclusive value="1"/>
1475   </xs:restriction>
1476 </xs:simpleType>
1477
1478 <xs:simpleType name="tFramingShutterIndex">
1479   <xs:restriction base="xs:unsignedInt">
1480     <xs:minInclusive value="1"/>
1481     <xs:maxInclusive value="4"/>
1482   </xs:restriction>
1483 </xs:simpleType>
1484
1485 <xs:simpleType name="tAxisIndex">
1486   <xs:restriction base="xs:unsignedInt">
1487     <xs:minInclusive value="1"/>
1488   </xs:restriction>
1489 </xs:simpleType>
1490
1491 <xs:simpleType name="tLightMode">
1492   <xs:restriction base="xs:string">
1493     <xs:enumeration value="Direct" />
1494     <xs:enumeration value="ColorTemperature" />
1495     <xs:enumeration value="ColorTemperaturePlus" />
1496     <xs:enumeration value="RGB" />
1497     <xs:enumeration value="RGBPlus" />
1498     <xs:enumeration value="HSV" />
1499     <xs:enumeration value="HSVPlus" />
1500     <xs:enumeration value="CIE" />
1501   </xs:restriction>
1502 </xs:simpleType>
1503
1504 <xs:simpleType name="tWheelMode">
1505   <xs:restriction base="xs:string">
1506     <xs:enumeration value="Indexed" />
1507     <xs:enumeration value="Continuous" />
1508     <xs:enumeration value="Mixed" />
1509     <xs:enumeration value="Spinning" />
1510     <xs:enumeration value="Oscillating" />
1511   </xs:restriction>
1512 </xs:simpleType>
1513
1514 <xs:simpleType name="tWheelFrameMode">
1515   <xs:restriction base="xs:string">
1516     <xs:enumeration value="Indexed" />
1517     <xs:enumeration value="Spinning" />
1518 </xs:restriction>
```

```
1527 <xs:simpleType name="tStrobeMode">
1528   <xs:restriction base="xs:string">
1529     <xs:enumeration value="Linear" />
1530     <xs:enumeration value="Random" />
1531     <xs:enumeration value="ApertureRandom" />
1532     <xs:enumeration value="SynchronizedRandom" />
1533     <xs:enumeration value="Lightning" />
1534     <xs:enumeration value="Spikes" />
1535   </xs:restriction>
1536 </xs:simpleType>
1537
1538 <xs:simpleType name="tStrobeTransition">
1539   <xs:restriction base="xs:string">
1540     <xs:enumeration value="RampRamp" />
1541     <xs:enumeration value="RampSnap" />
1542     <xs:enumeration value="SnapRamp" />
1543     <xs:enumeration value="SnapSnap" />
1544   </xs:restriction>
1545 </xs:simpleType>
1546
```

```
1547 <xs:simpleType name="tFrostIndex">
1548   <xs:restriction base="xs:unsignedInt">
1549     <xs:minInclusive value="1"/>
1550     <xs:maxInclusive value="3"/>
1551   </xs:restriction>
1552 </xs:simpleType>
1553
```

```
1554 <xs:simpleType name="tWheelIndex">
1555   <xs:restriction base="xs:unsignedInt">
1556     <xs:minInclusive value="1"/>
1557   </xs:restriction>
1558 </xs:simpleType>
1559
1560 <xs:simpleType name="tFramingShutterIndex">
1561   <xs:restriction base="xs:unsignedInt">
1562     <xs:minInclusive value="1"/>
1563     <xs:maxInclusive value="4"/>
1564   </xs:restriction>
1565 </xs:simpleType>
1566
1567 <xs:simpleType name="tAxisIndex">
1568   <xs:restriction base="xs:unsignedInt">
1569     <xs:minInclusive value="1"/>
1570   </xs:restriction>
1571 </xs:simpleType>
1572
1573 <xs:simpleType name="tLightMode">
1574   <xs:restriction base="xs:string">
1575     <xs:enumeration value="Direct" />
1576     <xs:enumeration value="ColorTemperature" />
1577     <xs:enumeration value="ColorTemperaturePlus" />
1578     <xs:enumeration value="RGB" />
1579     <xs:enumeration value="RGBPlus" />
1580     <xs:enumeration value="HSV" />
1581     <xs:enumeration value="HSVPlus" />
1582     <xs:enumeration value="CIE" />
1583   </xs:restriction>
1584 </xs:simpleType>
1585
1586 <xs:simpleType name="tWheelMode">
1587   <xs:restriction base="xs:string">
1588     <xs:enumeration value="Indexed" />
1589     <xs:enumeration value="Continuous" />
1590     <xs:enumeration value="Mixed" />
1591     <xs:enumeration value="Spinning" />
1592     <xs:enumeration value="Oscillating" />
1593   </xs:restriction>
1594 </xs:simpleType>
1595
1596 <xs:simpleType name="tWheelFrameMode">
1597   <xs:restriction base="xs:string">
1598     <xs:enumeration value="Indexed" />
1599     <xs:enumeration value="Spinning" />
1600 </xs:restriction>
```



```
1519 </xs:simpleType>
1520
1521 <xs:simpleType name="tWheelSpinDirection">
1522   <xs:restriction base="xs:string">
1523     <xs:enumeration value="Forward" />
1524     <xs:enumeration value="Reverse" />
1525   </xs:restriction>
1526 </xs:simpleType>
1527
1528 <xs:simpleType name="tBoolean">
1529   <xs:restriction base="xs:string">
1530     <xs:enumeration value="True" />
1531     <xs:enumeration value="False" />
1532   </xs:restriction>
1533 </xs:simpleType>
1534
```

```
1535 </xs:schema>
```

```
1601 </xs:simpleType>
1602
1603 <xs:simpleType name="tWheelSpinDirection">
1604   <xs:restriction base="xs:string">
1605     <xs:enumeration value="Forward" />
1606     <xs:enumeration value="Reverse" />
1607   </xs:restriction>
1608 </xs:simpleType>
1609
1610 <xs:simpleType name="tBoolean">
1611   <xs:restriction base="xs:string">
1612     <xs:enumeration value="True" />
1613     <xs:enumeration value="False" />
1614   </xs:restriction>
1615 </xs:simpleType>
1616
```

```
1617 <xs:simpleType name="tPositiveFloat">
1618   <xs:restriction base="xs:float">
1619     <xs:minInclusive value="0" />
1620   </xs:restriction>
1621 </xs:simpleType>
1622
1623 </xs:schema>
```