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12 / 11 / 2021

ROBE GDTF files library update

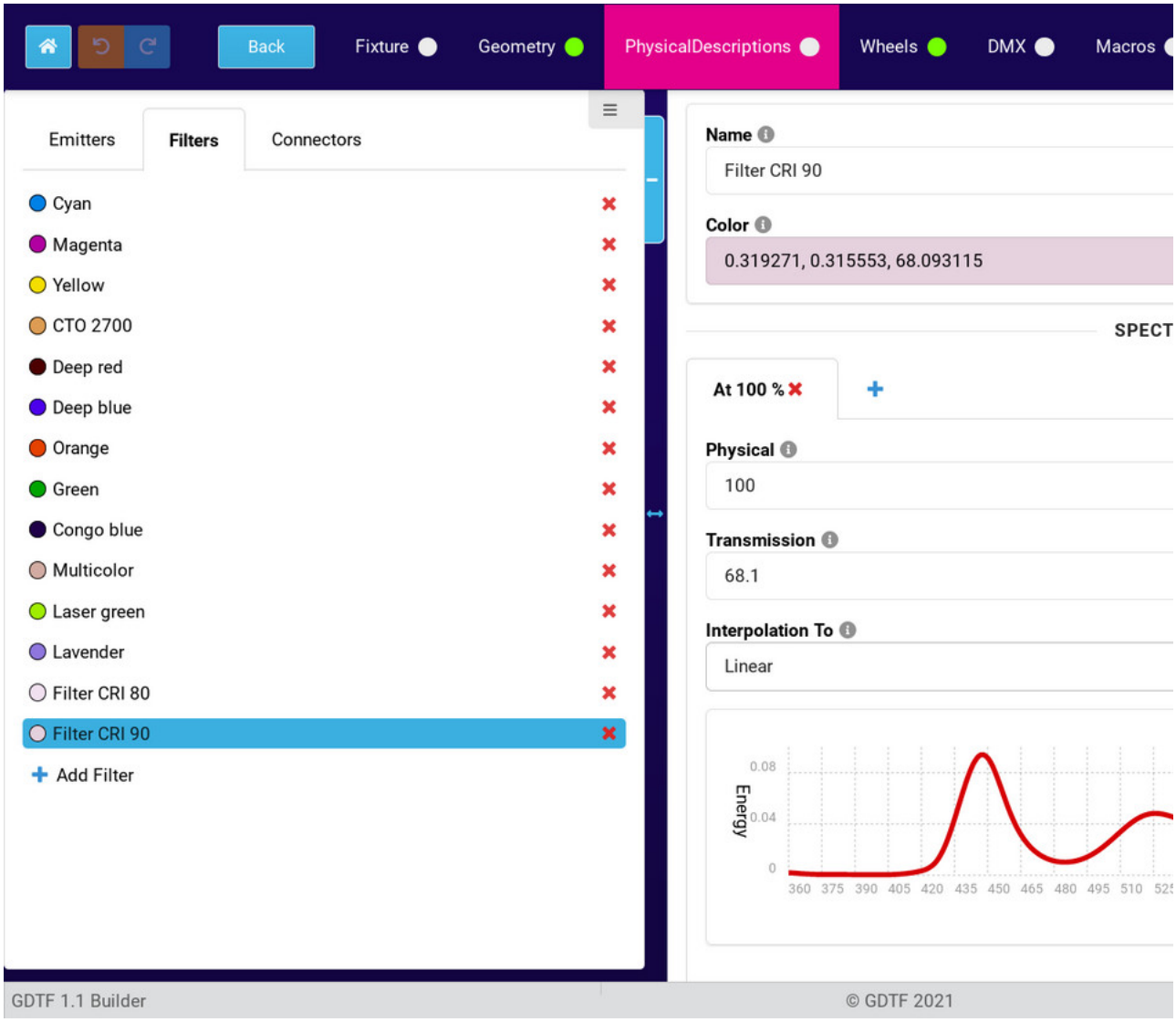
Produits liés

iBar 15™ FORTE® FORTE® FS DL4X Spot™ iSpiider® iPointe65® CUETE® T2 Fresnel™ T2 PC™ iParFect 150™ FW RGBW

Our technical team at Robe, together with a Robe dedicated GDTF (General Device Type Format) in house library maintainer, has been working on ensuring that when new products are released, correct GDTF file is made available for controlling, visualization or planning. Read on for more details.

After starting the GDTF initiative in 2018 as a member of the GDTF group, we have been focusing on providing specification and tools for convenient creation of the General Device Type Format files. You can read more about this innovative format in our dedicated GDTF page.

If you are interested in the GDTF Specification, you can find it in the form of DIN SPEC 15800 here. GDTF Builder (a tool to create GDTF files) is also publicly available online to anyone. ROBE GDTF files library is available here on a dedicated page.



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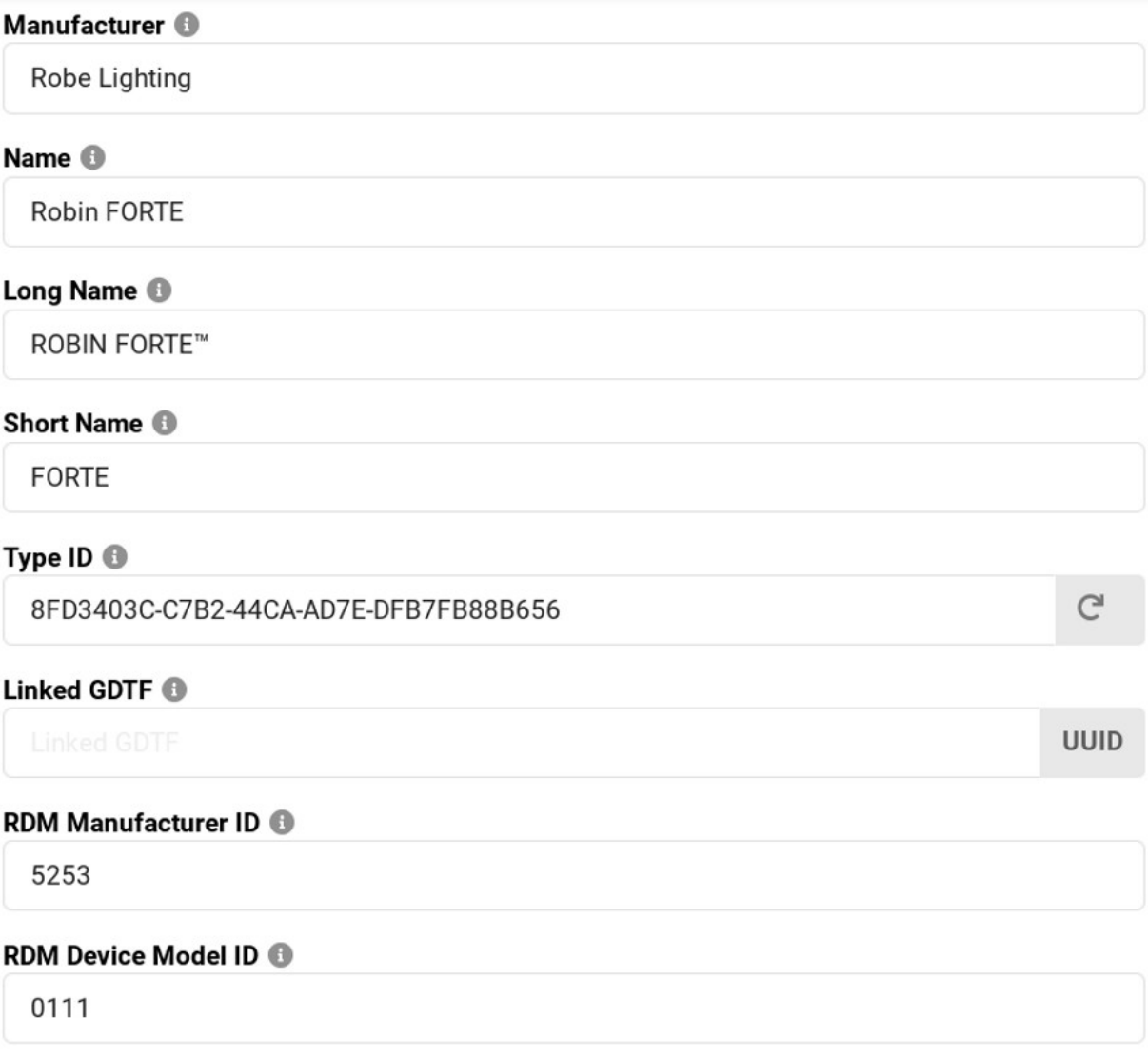
To help to understand the benefit to the user workflow and cooperation, see for example this OnLocation special with Veith Schmidt, where he talks about how teams can use this unifying format to work together without having to duplicate their work and effort.

In order to be able to do this level of coordination and cooperation Veith Schmidt is talking about, we provide comprehensive GDTF files for our devices. The Robe GDTF files library is available through the GDTF Share. Our files include a lot of technical data which is needed to organize and control devices in any kind of event.

We have been ensuring that every new product that we release is accompanied with a complete, comprehensive GDTF file. Here is an example of the initial description for FORTE®:



The data inside the GDTF file provide many details, including...

Device description like name, RDM ID for identification by controllers, power consumption, picture, 2D vector image for planning tools, weight, power consumption and many more data, required for planning and pre-show calculations:

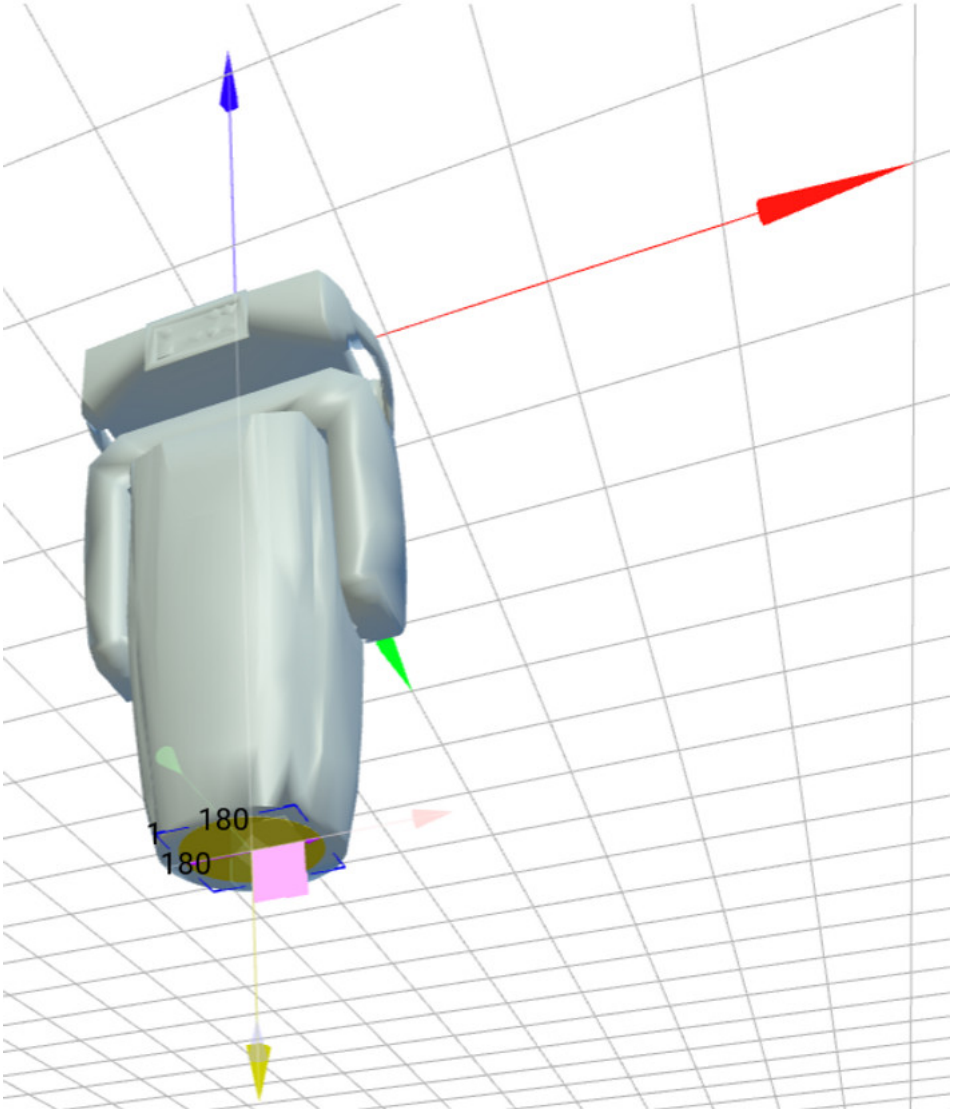
Operating Temperature Low 0 °C

Operating Ten 40

Weight 39.8

Leg Height 9

3D model is provided in a way that clearly identifies each part of the device, including the base, cable connection panel, yoke, head and also for example the lens or lenses of the fixture, which, in case of for example the Spiider or Tarrantula, allows for very nice, realistic visualization.



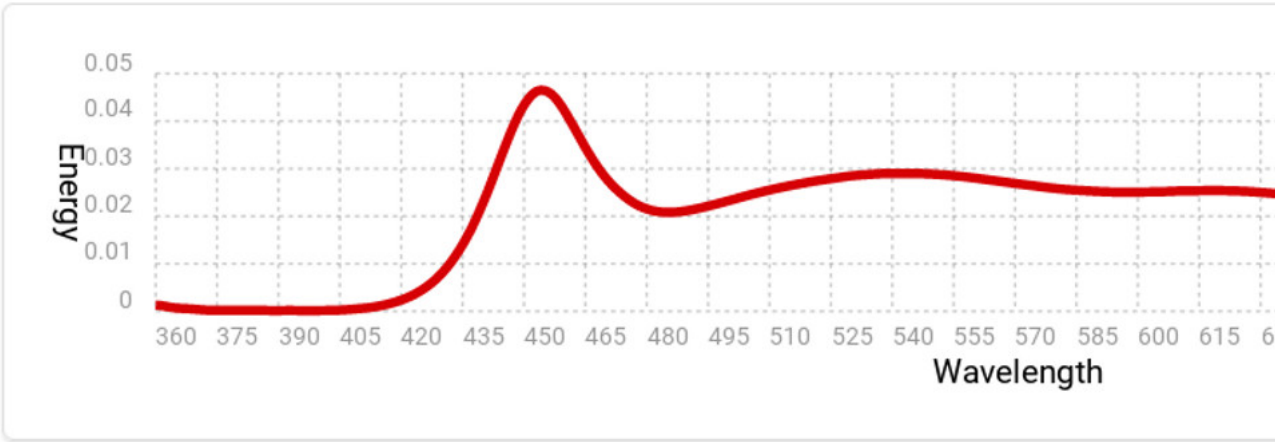
DMX description contains all DMX modes, their identification via RDM and also their description for the operator, to be able to understand which DMX Mode is most suitable for their mode of operation.

DMX Modes

Mode 1 - Standard 16 bit v0001->0001

1, 2	Yoke_Pan
3, 4	Head_Tilt
5	Base_PositionMSpeed
6	Base_Control1
7	Base_LEDFrequency
8	Base_LEDFrequencyAdjust
9	Base_IntensityIndication
10, 11	Head_Color1
12, 13	Head_Color2

Included Color spectral power distribution data for lamps, LEDs, color flags and color wheels allow the controller to calculate DMX values for a particular color which a lighting designer is requesting. This also provides the possibility to select a desired spectral settings to not only achieve the perfect color but also it's spectral characteristic. This further allows to combine many fixtures of various manufacturers on a single stage and achieve the same color output from all devices (given that they provide GDTF with the spectral power distribution).



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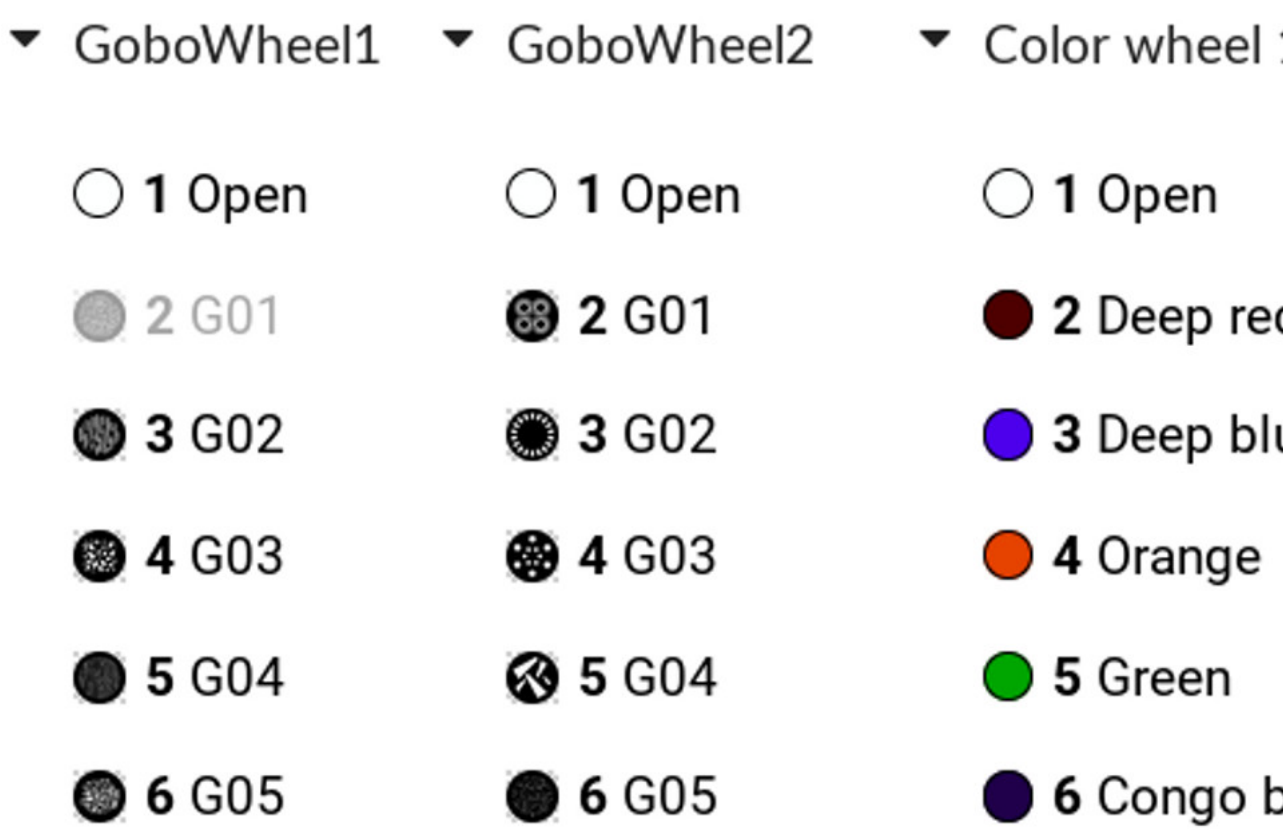
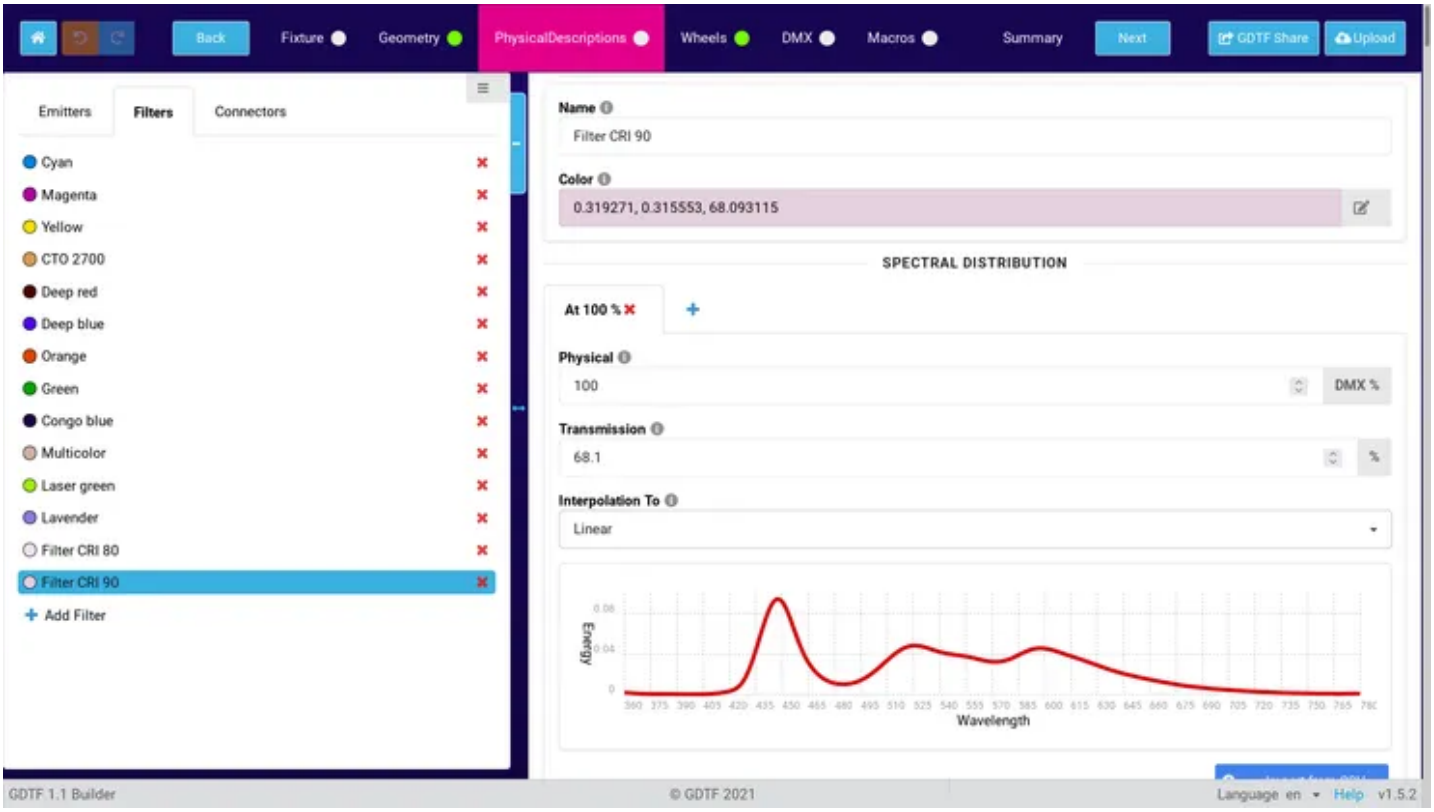
Graphics content of the GDTF files is including for example gobo images but also definitions for animation wheels, prisms and other effects.

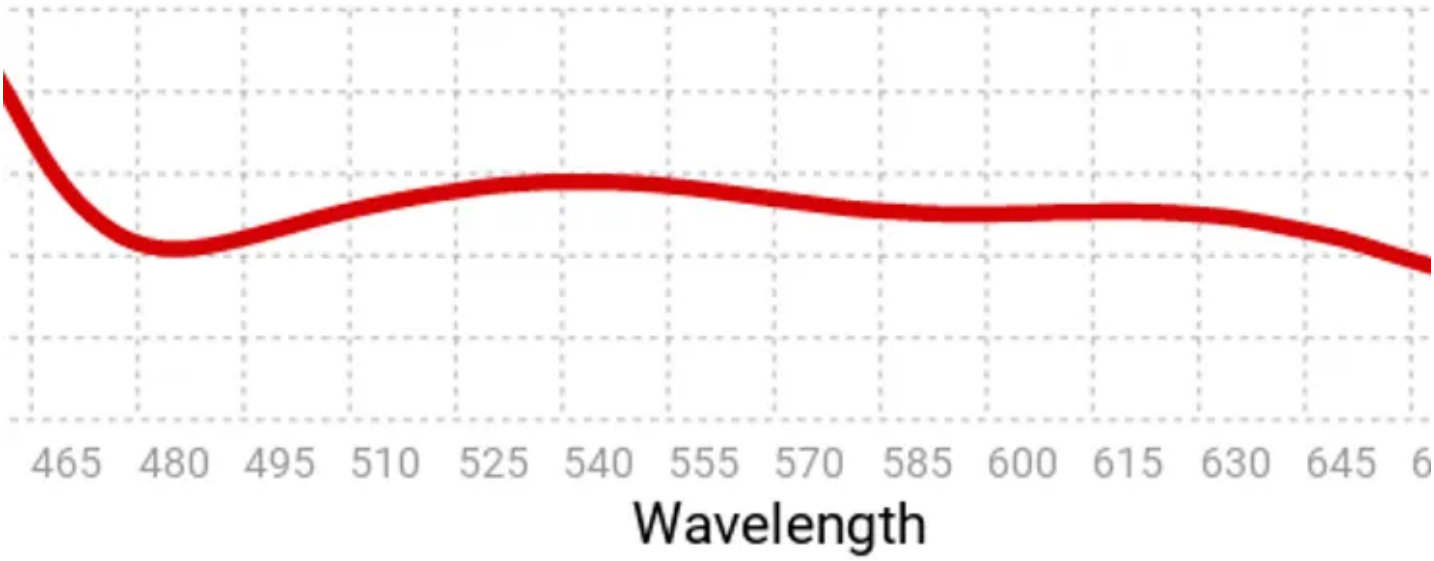


The data contains many more details, for example speeds of movements or strobing frequencies, zoom ranges and so on.

This year, we have had many additions to our Robe GDTF files library (available here), including iBar 15™, CUETE®, T2 Fresnel™, T2 PC™, iPointe65®, FORTE®, FORTE® FS, iParFect 150™ FW RGBW, iSpiider® or DL4X Spot™.

If there is a fixture for which we do not provide a GDTF file or if you find an error in any of our files, feel free to contact us at a dedicated email address libraries@robe.cz , we are more then happy to create new files or provide support for existing ones.


Back
Fixture
Geometry
PhysicalDescriptions
Wheels
DMX
Macros
Summary
Next
GDTF Share
Upload
Emitters
Filters
Connectors
Cyan
Magenta
Yellow
CTO 2700
Deep red
Deep blue
Orange
Green
Congo blue
Multicolor
Laser green
Lavender
Filter CRI 80
Filter CRI 90
Add Filter
Name
Filter CRI 90
Color
0.319271, 0.315553, 68.093115
SPECTRAL DISTRIBUTION
At 100 %
Physical
100
DMX %
Transmission
68.1
%
Interpolation To
Linear
Energy
Wavelength
GDTF 1.1 Builder
© GDTF 2021
Language en
Help
v1.5.2


465 480 495 510 525 540 555 570 585 600 615 630 645
Wavelength

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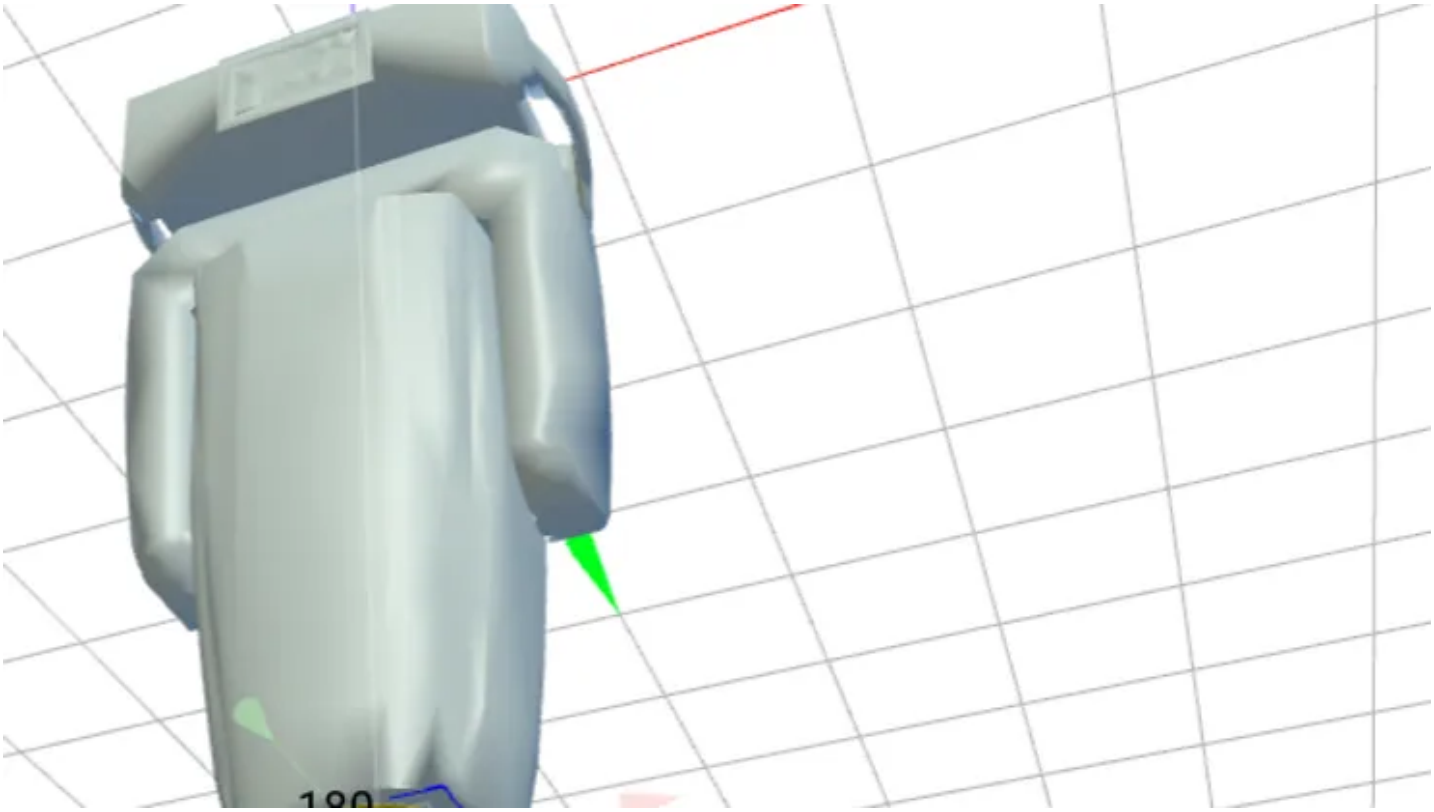

ature Low

°C

Operating Temperature High

40

Robe Lighting

Name
Robin FORTE

Long Name
ROBIN FORTE™

Short Name
FORTE

Type ID
8FD3403C-C7B2-44CA-AD7E-DFB7FB88B656

Linked GDTF
UUID

RDM Manufacturer ID
5253

RDM Device Model ID
0111

PNG | SVG

Click to upload a new PNG image

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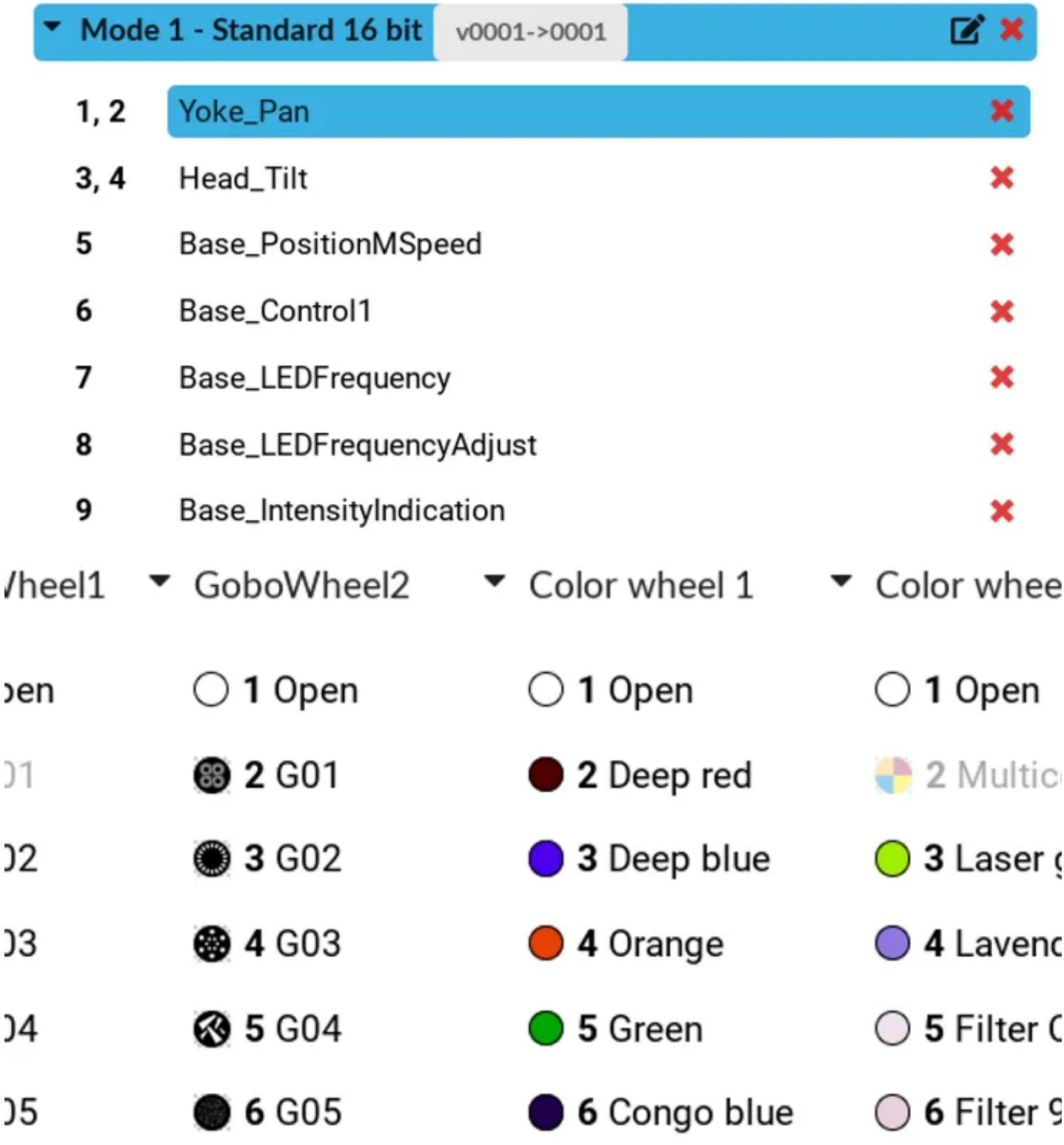
WE PROUDLY SUPPORT GDTF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v0001->0001
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3, 4 Head_Tilt
5 Base_PositionMSpeed
6 Base_Control1
7 Base_LEDFrequency
8 Base_LEDFrequencyAdjust
9 Base_IntensityIndication
/heel1
GoboWheel2
Color wheel 1
Color whee
1 Open
1 Open
1 Open
2 G01
2 Deep red
3 G02
3 Deep blue
3 Laser
4 G03
4 Orange
4 Lavend
5 G04
5 Green
5 Filter
6 G05
6 Congo blue
6 Filter