

12.11.2021

ROBE GDTF files library update

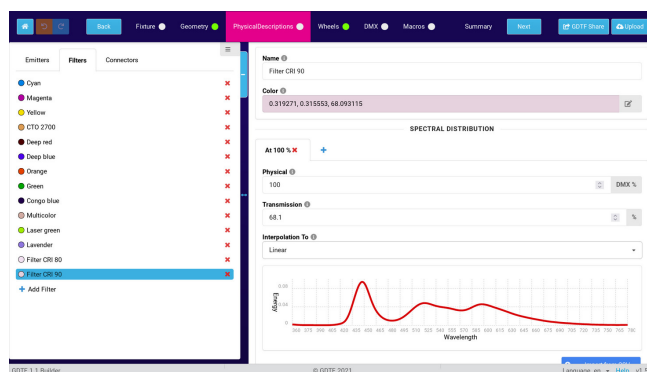
Products Involved

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](#).



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®**:

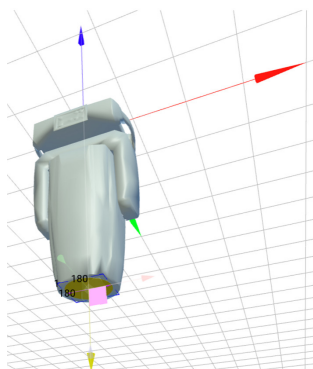
Manufacturer ⓘ Robe Lighting	<div> <div>PNG SVG</div>  <div> Click to upload a new PNG image Click to delete this PNG image </div> </div>
Name ⓘ Robin FORTE	
Long Name ⓘ ROBIN FORTE™	
Short Name ⓘ FORTE	
Type ID ⓘ 8FD3403C-C7B2-44CA-AD7E-DFB7FB88B656	
Linked GDTF ⓘ Linked GDTF	
RDM Manufacturer ID ⓘ 5253	
RDM Device Model ID ⓘ 0111	

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 Temperature High ⓘ 40 °C
Weight ⓘ 39.8 kg	
Leg Height ⓘ 9 mm	

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.

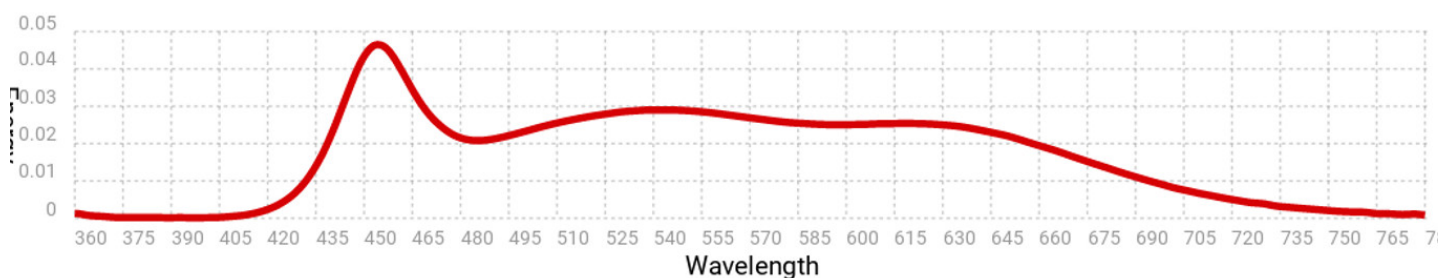


DMX description contains all DMX modes, their identification via RDM and also their description for the operator, to be able to understand which DMX Mode is most suitable for their mode of operation.

























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).



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

▼ GoboWheel1	▼ GoboWheel2	▼ Color wheel 1	▼ Color wheel 2
 1 Open	 1 Open	 1 Open	 1 Open
 2 G01	 2 G01	 2 Deep red	 2 Multicolor
 3 G02	 3 G02	 3 Deep blue	 3 Laser green
 4 G03	 4 G03	 4 Orange	 4 Lavender
 5 G04	 5 G04	 5 Green	 5 Filter CRI 80
 6 G05	 6 G05	 6 Congo blue	 6 Filter 90 CRI

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 than 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

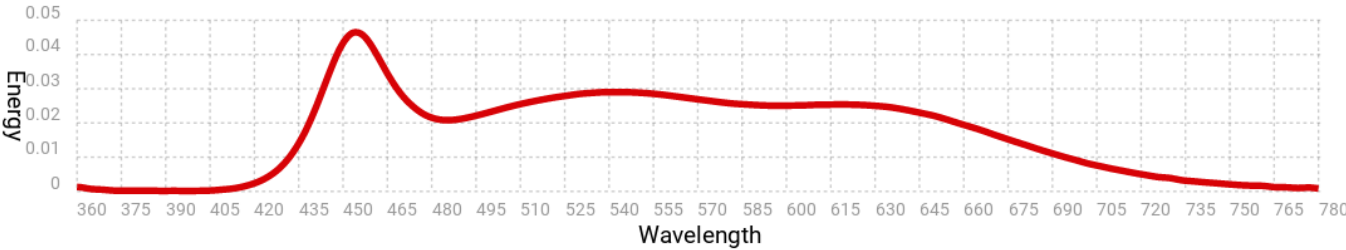
Energy

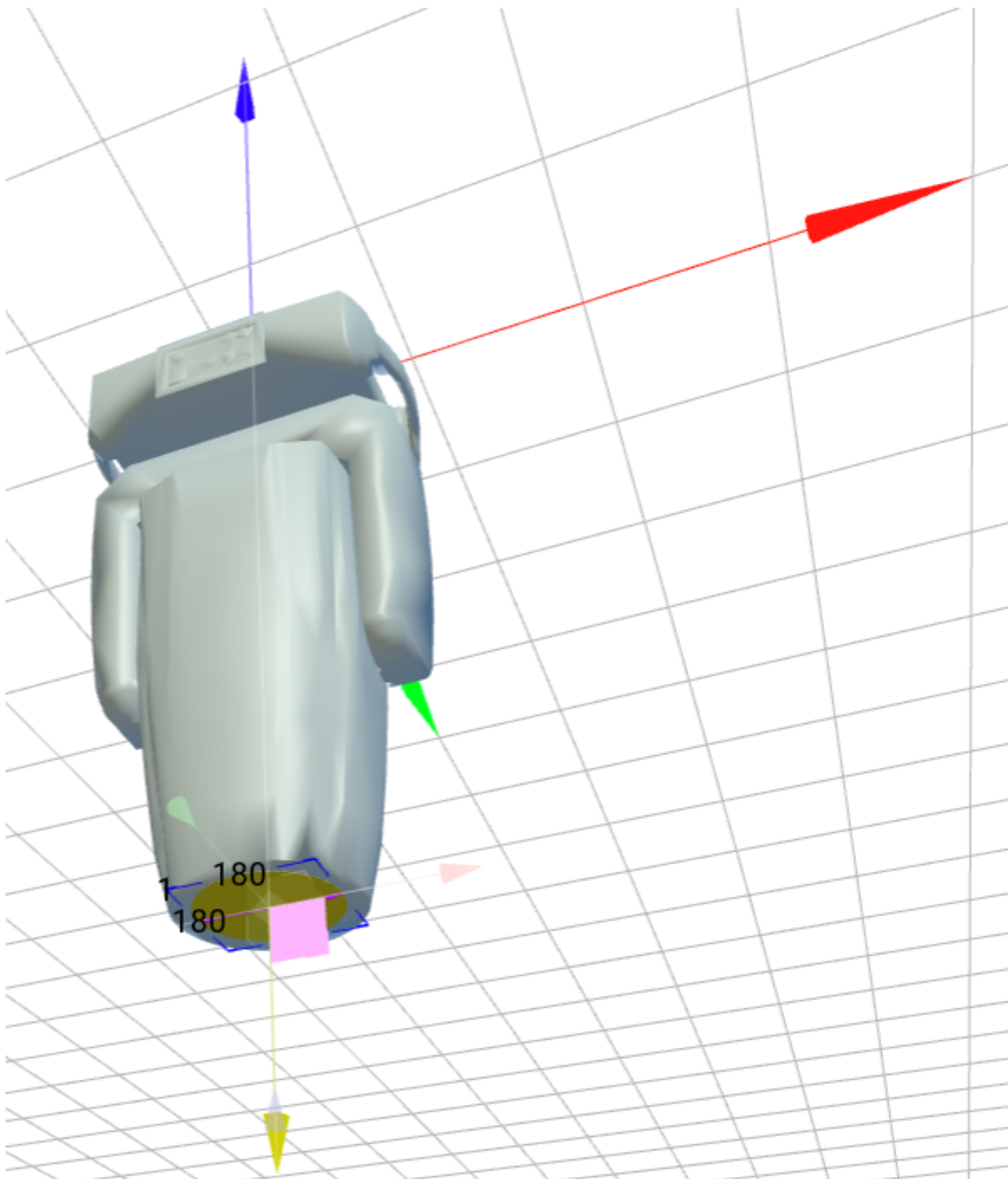
Wavelength

GDTF 1.1 Builder

© GDTF 2021

Language en Help v1.5.2





Operating Temperature Low i

 °C

Operating Temperature High i

 °C

Weight i

 kg

Leg Height i

 mm

Manufacturer i

Name i

Long Name i

Short Name i

Type ID i

 ↻

Linked GDTF i

 UUID

RDM Manufacturer ID i

RDM Device Model ID i



Click to upload a new PNG image



Click to delete this PNG image










WE PROUDLY SUPPORT



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	

▼ GoboWheel1

○ 1 Open

● 2 G01

● 3 G02

● 4 G03

● 5 G04

● 6 G05

▼ GoboWheel2

○ 1 Open

● 2 G01

● 3 G02

● 4 G03

● 5 G04

● 6 G05

▼ Color wheel 1

○ 1 Open

● 2 Deep red

● 3 Deep blue

● 4 Orange

● 5 Green

● 6 Congo blue

▼ Color wheel 2

○ 1 Open

● 2 Multicolor

● 3 Laser green

● 4 Lavender

● 5 Filter CRI 80

● 6 Filter 90 CRI