

## darktable - Feature #11404

### Give user possibility to change white balance relatively

12/29/2016 01:42 PM - Mariusz Jaskółka

<b>Status:</b> Duplicate	<b>Start date:</b> 12/29/2016
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 2.4.0	<b>bitness:</b> 64-bit
<b>Affected Version:</b> 2.2.0	<b>hardware architecture:</b> amd64/x86
<b>System:</b> Ubuntu	

**Description**

When I change e.g. temperature in **white balance** section, then save it as a new style and apply it to whole collection then every photo has exactly the same temperature set. It is not very practical solution.

My expectation is:  
I change temperature from 4500K to 5000K (+500K). When I save this change as a style and set this style to the image that originally had 4700K (from RAW information) I suppose it to have 5200K as a result (+500K as well). This behavior could be optional (relative/absolute change option).

**Related issues:**

Duplicates darktable - Feature #10880: Please add a local white balance feature	<b>New</b>	<b>01/17/2016</b>
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#### History

##### #1 - 12/29/2016 02:28 PM - Roman Lebedev

- % Done changed from 0 to 20

- Status changed from New to Incomplete

Do note that we store white balance as multipliers.

The displayed Kelvin temperature is not representable (as in, across different software), and is only useful for information.

That being said, i i'm not entirely convinced that this could/should be done.

##### #2 - 12/29/2016 09:47 PM - Mariusz Jaskółka

From user point of view:

Maybe this is my opinion but i think it is pointless to set the same white balance to all photos in collection. On the other hand it would be helpful to make all photos warmer/colder approximetly by the same relative value (na matter which units is being used).

My use-case from today: all collection from the party in room with old-school bulb & all the photos was "too yellow" as my camera was working in auto-white-balance mode. I had to move "temperature" slider left about 500K manually for every single photo.

From programmer point of view:

I understand that temperature value could be calculated by darktable with it's own algorithm and is not compatible with other software. But is it really a problem? Moving slider left/right by the same value from what was read/calculated from RAW manually is possible so doing it automatically with preset/style is technically possible as well. How? One of the solutions could be to switch "white balance" filter between absolute/relative mode (similar to exposure filter's modes). But you are programmers/architects here :) ( I am too but I didn't read the source code :) )

**#3 - 06/16/2017 02:09 PM - Roman Lebedev**

- Duplicates Feature #10880: Please add a local white balance feature added

**#4 - 06/16/2017 02:09 PM - Roman Lebedev**

- Status changed from Incomplete to Duplicate

- % Done changed from 20 to 0

**#5 - 06/25/2017 12:24 PM - Roman Lebedev**

- Target version set to 2.4.0

**#6 - 04/16/2018 01:23 PM - Mariusz Jaskółka**

Roman Lebedev Please note that this is not a duplicate with [#10880](#) – {local/masked white balance} vs. {relative white balance across multiple photos, stored in style}

**#7 - 09/20/2018 09:33 AM - François Tissandier**

I agree that this is not the same as local white balance. And I find that also useful to be able to choose between an absolute white balance and a relative change to apply in a style (like -400K). Otherwise it's impossible to create a style which would, among other things, make the image less warm or more warm.