

# Layer Class

[Github Link](#)

```
namespace lc::ui::widgets
```

## Add Layer

### Description

Add a new layer. Color can be added as individual rgb values or through color object.

- Layer Shared Pointer - *Layer*
- Layer Name - *string*
  - returns *Layer*
- Layer Name - *string* , Line width - *double*
  - returns *Layer*
- Layer Name - *string* , Red - *int* , Green - *int*, Blue - *int*
  - returns *Layer*
- Layer Name - *string* , Color - *lc::Color*
  - returns *Layer*
- Layer Name - *string* , Line width - *double* , Red - *int* , Green - *int*, Blue - *int*
  - returns *Layer*
- Layer Name - *string* , Line width - *double* , Color - *lc::Color*
  - returns *Layer*

### Examples

- ```
local layers = mainWindow:layers()
```
- ```
lay:addLayer(layer1)
```
- ```
local layer1 = lay:addLayer("Layer1")
```
- ```
local layer1 = lay:addLayer("Layer1", 2)
```
- ```
local layer1 = lay:addLayer("Layer1", 255, 255, 255)
```
- ```
local layer1 = lay:addLayer("Layer1", lc.Color(1,1,1))
```

- `local layer1 = lay:addLayer("Layer1", 2, 255, 255, 255)`
- `local layer1 = lay:addLayer("Layer1", 2, lc.Color(1,1,1))`

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## Remove Layer

### Description

Remove layer by passing in the layer on or by passing in the the layer object.

- Layer Name - *string*
- Layer Shared Pointer - *Layer*

### Examples

- `layers:removeLayer("Layer1")`
- `layers:removeLayer(layer1)`

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## Find Layer

### Description

Find layer by label.

- Layer Label - *string*
  - returns *Layer*

### Examples

- `local layer1 = layers:layerByName("Layer1")`

## Rename Layer

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### Description

Rename the given layer to a new layer name.

- Old Layer Name - *string* , New Layer Name - *string*
- Layer - *layer* , New Layer Name - *string*

### Examples

- `layers.renameLayer("OldLayer", "NewLayer")`
  - `layers.renameLayer(oldLayer, "NewLayer")`
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## Replace Layer

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### Description

Replace the given layer with the the new layer passed as the second argument.

- Old Layer Name - *string* , New Layer - *Layer*
- Old Layer - *layer* , New Layer - *Layer*

### Examples

- `layers.replaceLayer("OldLayer", newLayer)`
  - `layers.replaceLayer(oldLayer, newLayer)`
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