User Manual

ROXX®

ICON F8

USER MANUAL

User Manual

CONTENT

1. SAFETY INFORMATION

1.1. General Preventive Measures

1.1.1. Please read, understand and follow the instructions.

1.1.2. Store the instructions and information in a safe place.

1.1.3. Follow all safety warnings. Under no circumstances remove safety warnings or other information from the equipment.

1.1.4. Don't use the equipment for any other intended purpose or manner.

1.1.5. Use only stable and compatible stands and/or brackets. Especially when fix installed. Make sure the wall brackets are properly installed and safe. Make sure the device is securely installed and cannot fall.

1.1.6. Check the safety regulations applying for your country before and during installation.

1.1.7. Keep the device away from heat! Don't place/install near heaters, ovens or any source of heat. Make sure that the device always is efficiently cooled and cannot overheat.

1.1.8. Always guarantee that ventilation and cooling slots are clean and not blocked.

1.1.9. Item must be away minimum 20cm from anything around and above it.

1.1.10. Do not use this device close to water.

1.1.11. Do not expose this equipment to flammable materials.

1.1.12. Make sure that no objects can fall into the device.

1.1.13. Only use this device with the accessories recommended by the manufacturer.

1.1.14. Always check the equipment for housing damages, so that no water can enter the device. No containers containing liquids of any kind should be place on top of the unit.

1.1.15. Opening or modifying this device is only allowed by authorized and qualified persons.

1.1.16. All cables need to be checked after connecting the device in order to prevent damage or accidents.

1.1.17. Make sure that the device is transported safe and packed proper in order to prevent damage of any kind.

1.1.18. Once you notice improper function of your device due to damage, electric shock or anything similar, immediately unplug the unit from the mains outlet and contact our service department.

1.1.19. Clean the device with a dry cloth.

1.1.20. Observe all disposal laws applicable in your country. Especially for the packaging.

1.1.21. Plastic bags are not a toy! Keep away from children!

1.1.22. Please note that changes or modifications which are not approved by the party responsible for compliance will void the user's authority to operate the device.

1.2 Regulations for equipment that connects to power mains

1.2.1. If an earthing contact is available in the used power cord, it must used in combination with an power outlet, providing a protective ground. In no circustances should the protective ground be deactivated.

1.2.2. Do not switch on the device immediately after it has been in strong different temperatures, especially after transport. Let the device acclimatize to the temparature in the room of usage first to prevent moisture and condensation.

1.2.3. Verify that the correct voltage and frequency are available in the area of operation, before connecting the unit to the mains outlet.

1.2.4. If the plug doesn't fit in your mains outlet, contact your electrician.

1.2.5. Make sure your power cord/adapter/connector does not show signs of kinks/warps or is being stepped on.

1.2.6. Allwas disconnect the unit when not in use or being cleaned. Don't pull on the cord to disconnect. Only touch power connections with dry hands!

1.2.7. Don't switch the unit on/off rapidly. This may cause damage.

1.2.8. If a fuse needs to be replaced, ALWAYS make sure that exact the same fuse will be used (type and rating). Repeatedly blown fuses need to be checked by an authorised service technician.

1.2.9. In the risk of lighting strike all units need to be unpluged from the mains in order to prevent damage.

1.2.10. During installation there must be a voltage free condition.

1.2.11. The device needs to be cleaned and serviced regularly and will credit this with a longer life cycle. Dust, dirt, moist, water, smoke, nicotine or anything similar inside the unit will cause damage/malfunction.

1.2.12. The unit needs to have at least 0,5m distance to anything flammable.

1.2.13. You have to make sure that any electrical installation applys to the laws of your country. Correct power cables and applying standards have to be used.

1.3. Technical warnsigns and explanation

In order to prevent the risk of an electric shock, under no circumstances remove the cover/back or open the unit in any way! No user serviceable parts are inside. Service, maintenance and repairs should only be done by qualified service personnel or the manufacturer.

Dangerous uninsulated voltage inside the device can cause an electrical shock when opened by unqualified personnel.

Important operating and maintenance instructions apply!

Do not operate this device in tropical climates.

CAUTION! Intense LED light source! Risk of eye damage. Do not look into the light source

The housing surface of the spotlight can heat up to temperatures as high as 70 °C in regular use. Ensure that it is not possible to come into contact with the housing unintentionally. Always allow sufficient time for the lamp to cool down before dismantling, carrying out maintenance work or charging etc..

IMPORTANT IMFORMATION!

- This is a product which has been developed for professional usage in event technology. It is not suitable as a houshold lighting.
- NEVER stare, not even temporarily, directly into the light source.
- Don‘t use magnifiers or any other optical instrument to look at the beam.
- The effects of this device, expecially the stroboscope effect, can cause problems for sensitive people or may even cause epileptical seizures.

2. INTRODUCTION

2.1. About us

The name ROXX® came easily.
Combined with the concentrated knowledge and many years of experience, our three founders, who have been leaving their mark in the event and lighting industry for many years already, came together in 2020 to start this outstanding venture.
Product development, sales and marketing as well as the exceptional know-how and the profound rooting in the field of the professional lighting technology belong to our core competences and therefore guarantee extremely innovative and reliable products, excellent support and professional service in every aspect.

Designed & developed in Germany
ROXX® products are developed and designed in Germany. Always in tight consultation with our customers and experts who will eventually be working with these tools. This ensures innovative, easy-to-use and performance-oriented solutions, which provide added value for our customers.

Made to last
Recommended for permanent outdoor use, most ROXX® products feature additional corrosion protection and enhanced IP66 equipment protection, thereby providing that crucial extra for a wider range of applications. In addition to architectural or theme park applications, even fixed installations in coastal or offshore areas with high salt exposure can be reliably implemented over long periods of time.

2.2. ICON F8

The new ICON F8 expands the ICON series with a 800W luminaire with perfect whites and brilliant colors. The new IP65-certified spotlight with its specially developed 6-colour LED chip has an enormous output of up to 6.300 lx @5m at a beam angle of 10°. For big shows, large exhibitions and studio applications, where up to now costly and maintenance-intensive discharge lamps were used.

In addition, there is a mechanical zoom from 10° to 55° and the option for standalone presets of dimmer, CCT and colours, which saves enormous time during setting the lights. This is complemented by an optional CRMX transmit and receive function and, of course, the new spotlight also works with the ROXX.APP.

Additional accessories include an 8-Way Barndoor for precise beam shaping and an optional PO Yoke for advanced rigging requirements.

3. GENERAL PRODUCT INFORMATION

3.1. Scope of delivery

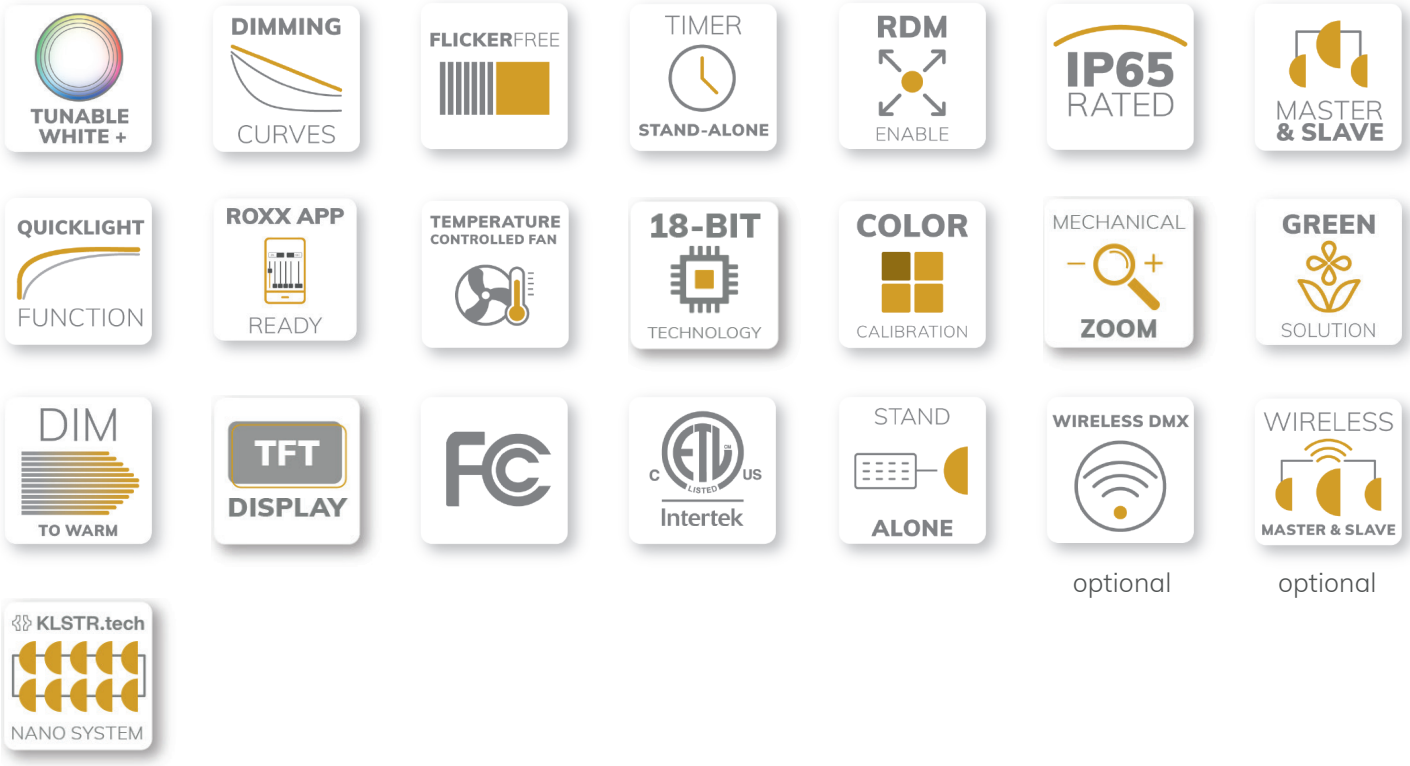
- 1x ICON F8
- Power cord with plug (EU country specific, if not ordered differently)
- 8-way Barndoor

We´re offering professional accessories (optional). Please see under chapter 6 or at our website www.roxxlight.com

3.2. Control Functions

- 1CH Quick, 4CH CCT, 7CH CCT, 6CH RGB, 10CH RGB, 18CH RGB, 12CH DIRECT, 14CH DI-RECT, 21CH DIRECT, 6CH HSI, 12CH HSI
- Stand Alone Functions including cinema effects, various auto programs, customisable scenes, CCT, LEE adjusted color macros and custom color templates (RGBALC)
- Hardware Knobs for direct control of CCT, HSI, RGB, GEL
- Master & Slave (by DMX and Wireless DMX)
- ROXX NFC App - Near Field Communication
- Optional wireless DMX (Lumenradio CRMX®)
- ROXX App - Bluetooth 5.0 (requires the optional wireless DMX upgrade)

3.3. Features



optional optional

4. INSTALLATION & SETUP

4.1 Physical Installation and Rigging

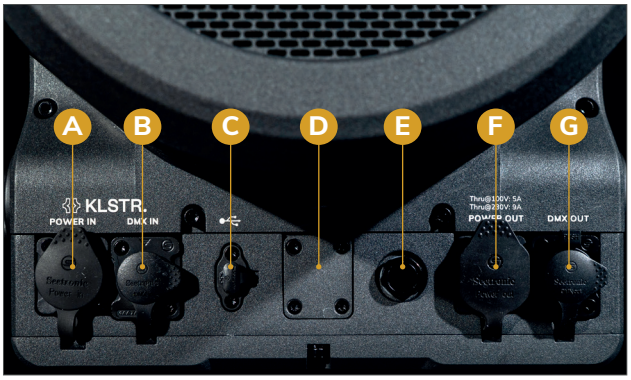
ROXX ICON F8 may be installed in any orientation. For this purpose the product provides several options:

Hanging:

On top of the yoke, there are three 12 mm holes for mounting the fixture using accessories such as half couplers or hooks. It also features a specially designed TV spigot connection to ensure maximum stability.

4.2 Connections*

A: IP65 Power input connector with rubber sealing cap. Connect using the provided power cable (when not in use, always close with rubber sealing cap)



B: Female IP65 5-pin XLR connector
(when not in use, always close with rubber sealing cap).

C: Firmware / USB: when not in use, always close with rubber sealing cap

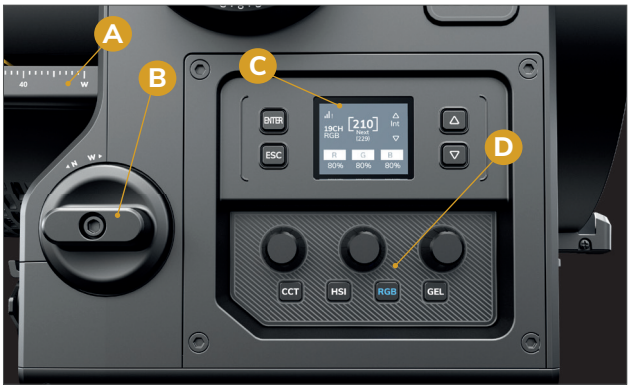
D: Optional CRMX antenna

E: GoreTex valve

F: IP65 Power output connector with rubber sealing cap. Provides power to additional fixtures.

Ensure that the total power consumption of all daisy-chained devices connected do not exceed 11A@230V or 7A@100V ! (when not in use, always close with rubber sealing cap).

G: Female IP65 5-pin XLR connector (when not in use, always close with rubber sealing cap).



A: Zoom indicator

B: Mechanical zoom handgrip

C: Display with control buttons

D: Direct access buttons and rotary control

In order to provide protection from spraying water, in accordance with protection class IP65, special IP65-rated XLR connectors must be used correctly with the DMX input and output sockets, or they must be closed using the rubber sealing caps. When connected correctly, or when sealed correctly with the rubber sealing caps, the POWER IN and POWER OUT sockets are protected from spraying water, as in accordance with IP65.

4.2.1. AC Power

The ICON F8 operates on any 100–240 V, 50/60 Hz AC mains power supply with a maximum power consumption of 623W.
Connect the fixture to AC power using the supplied cable or a similar one with Neutrik powerCON TRUE1 NAC3FX-W or a compatible type, to ensure the correct ingress protection (IP).
For temporary installations, the mains cable must be fitted with a grounded connector intended for exterior use. The fixture must be grounded/earthed and be able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

Wire Color (EU models)	Wire Color (US models)	Conductor	Symbol
Brown	Black	Live	L
Blue	White	Neutral	N
Yellow / Green	Green	Ground (earth)	⏚ or ⏚

Warning!
Read “Safety Informations” starting on page 3 before connecting the fixtures to AC mains power!
Do not connect the fixture to an electrical dimmer system, as doing so may cause damage that is not covered by the product warranty!

4.2.2. DMX Connection

The ICON F8 is fully controllable by DMX (USITT DMX512-A standard, based on RS-485) and RDM. It can be connected using either DMX cables or via the built-in LumenRadio CRMX wireless system.

4.2.2.1. KLSTR

The KLSTR.nano system supports at least 90 fixtures on a single daisy-chained line while maintaining reliable operation. Signal integrity is preserved for distances up to 400 meters between KLSTR.nano-equipped fixtures, enabling flexible layouts across large venues.
Each KLSTR-enabled fixture regenerates and outputs a fresh DMX stream, so every device functions as the virtual start of a new line and prevents cumulative signal degradation. When used with an Ethernet-to-DMX node that supports ring topology, unaffected sections remain fully operational if a fault occurs.
The system provides immediate identification of faulty cables or fixtures and isolates problems locally to avoid system-wide failure. Operators get a real-time graphical overview of the entire KLSTR.nano chain via the KLSTR.ctlr application. Configuration is streamlined and requires minimal user interaction when performed with KLSTR.ctlr, reducing setup time and simplifying maintenance

KLSTR.tech

4.2.2.2. Wireless Connection*

The ICON F8 can be equipped with an optional LumenRadio Transceiver
This enables the fixture to work with the following connectivity options:

- Working in Receiver Mode: receive wireless DMX- and RDM Signals via CRMX
- Working in Transmitter Mode: transmit DMX (1 universe) to other units via CRMX
- Full Control via Bluetooth 5.0 and ROXX App

The fixture is able to send DMX-data received by CRMX or Bluetooth to its physical DMX-Output XLR Connector and hereafter, plugged in by cable, to any DMX-capable unit. For this please enable "Pass to DMX Out" inside Wireless DMX Settings.

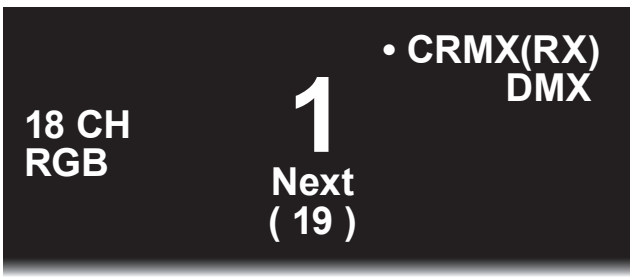
ICON F8 can act as a fully operative CRMX Receiver and can be paired to an active wireless transmitter (CRMX) simultanously as being connected to a cabled DMX. The device will prioritize cabled DMX input over wireless DMX and over Bluetooth. A small indicator infront of "DMX", "CRMX" or "BLE" gives an easy overview which protocol is currently active. Please see the display graphics below.

If using a wireless DMX system, ensure that the DMX input and the DMX output are properly sealed. Connect both DMX IN and DMX OUT, or seal, in order to maintain the fixture's IP65 rating.

ⓘ ***Note: If you are using XLR for DMX and not Bluetooth we recommend to not connect to Bluetooth unless you need to since it can cause a few dropped DMX packets.**
BLE and CRMX RX are not available simoultaneously.

- **If CRMX RX is enabled and BLE will enabled after, CRMX automatically changes to TX mode.**
- **If CRMX TX operating mode is changed to RX, BLE will be disabled automatically.**

CRMX	Disabled	**The indicator infront of "DMX" shows that DMX is active.**
Operation Mode	n.a.	
Linked	No	
Receive Reset	No	
DMX	**Enabled**	
BLE (Bluetooth)	Disabled	



CRMX	**Enabled**	**The indicator infront of "CRMX (RX)" shows that the fixture is now working in wireless DMX receive mode.** **"(RX)"= CRMX operating mode is set to receive**
Operation Mode	**RX**	
Linked	**No**	
Receive Reset	Yes	
DMX	Disconnect	
BLE (Bluetooth)	Disabled	

4.2.2.2. Wireless Connection*

CRMX	**Enabled**
Operation Mode	**TX**
Linked	**No**
Receive Reset	Yes
DMX	Disconnect
BLE (Bluetooth)	Disabled

The indicator infront of "CRMX (TX)" shows that the fixture is now working in wireless DMX transmit mode.

"(TX)"= CRMX operating mode is set to transmit

CRMX	**Enabled**
Operation Mode	**RX**
Linked	**Yes**
Receive Reset	Yes
DMX	Disconnect
BLE (Bluetooth)	Disabled

Once the fixture is linked to an external transmitter, the CRMX signal-symbole appears on upper left side.

1 dash= 1-30% signal strength
2 dashs= 31-70% signal strength
3 dashs= 71-100% signal strength

CRMX	**Enabled**
Operation Mode	**TX**
Linked	**Yes**
Receive Reset	Yes
DMX	Disconnect
BLE (Bluetooth)	Disabled

Once the fixture is linked to an external transmitter, the CRMX signal-symbole appears on upper left side.

1 dash= 1-30% signal strength
2 dashs= 31-70% signal strength
3 dashs= 71-100% signal strength

CRMX	**Enabled**
Operation Mode	**RX**
Linked	**Yes, out of range**
Receive Reset	Yes
DMX	Disconnect
BLE (Bluetooth)	Disabled

In case the external transmitter is switched off or out of signal range the signal-symbole starts to blink.

CRMX	**Enabled**
Operation Mode	**RX**
Linked	**Yes, but no DMX**
Receive Reset	Yes
DMX	Disconnect
BLE (Bluetooth)	Disabled

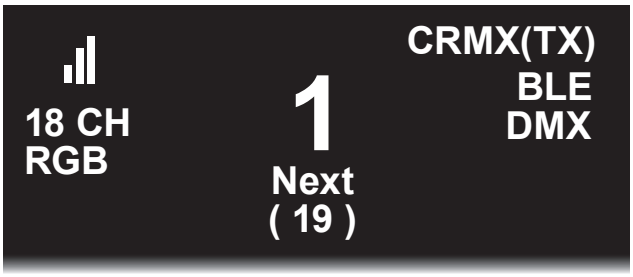
An exclamation appears and blinks although the external transmitter is switched on and is inside the signal range but no DMX is connected to the external transmitter.

CRMX	Disabled
Operation Mode	n.a.
Linked	No
Receive Reset	No
DMX	Disconnect
BLE (Bluetooth)	**Enabled + Paired**

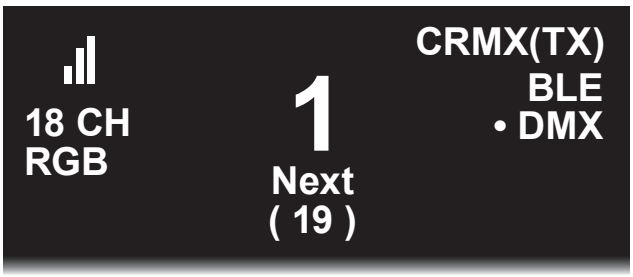
The indicator infront of "BLE" shows that the fixture is now working in Bluetooth mode and is paired to ROXX App.

4.2.2.2. Wireless Connections

CRMX	**Enabled**	**The indicator infront of "BLE" shows that the fixture is now working in Bluetooth mode and is paired to ROXX App.** **As CRMX TX is enabeld and linked a full DMX universe is send out by CRMX (wireless DMX).**
Operation Mode	**TX**	
Linked	**Yes**	
Receive Reset	No	
DMX	Disconnect	
BLE (Bluetooth)	**Enabled + Paired**	



CRMX	**Enabled**	**No indicator infront of "BLE", fixture is not paired to ROXX App.**
Operation Mode	**TX**	
Linked	**Yes**	
Receive Reset	No	
DMX	Disconnect	
BLE (Bluetooth)	**Enabled, not paired**	



CRMX	**Enabled**	**DMX is active.** **As CRMX TX is enabled and linked a full DMX universe is send out by CRMX (wireless DMX).**
Operation Mode	**TX**	
Linked	**Yes**	
Receive Reset	No	
DMX	**Connect**	
BLE (Bluetooth)	Enabled	

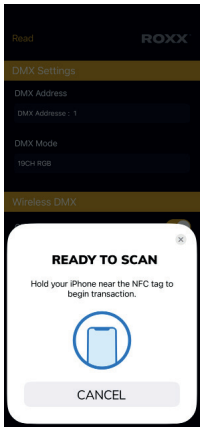
4.3. NFC (Near Field Communication)

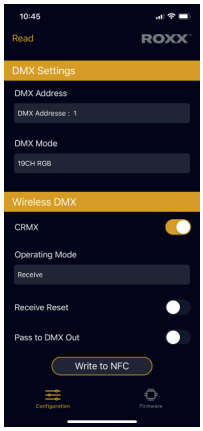
ICON F8 integrates a NFC chip (Near Field Communication) and allows in conjunction with ROXX NFC App to address and configure the fixtures wirelessly even when the fixture power is not prevent. Additionally, the fixtures firmware and settings can be read out.
The NFC chip is based on the upper part of the case wich ensures easy access when storing. To get a proper connection between your mobile phone and ICON F8, please make sure that your phone is very close to the NFC.

ROXX

Available on the App Store

GET IT ON Google Play





5. OPERATION

5.1 Start up*

Once the fixture is connected to AC power, the boot process starts and the following information will appear on the display:
“Ready to ROXX”, the product name and the current software version.

After this process, the fixture is ready for operation, and starts in the previously enabled mode.

ⓘ ***Note:**
During boot process the fan spins up quickly to blow out some possible dust from last use.

5.2 Control Display*

ENTER **Press ENTER** to access the selection menu for system settings or confirm changes.

ESC **Press ESC** to take a step back in the menu.

△▽ **Press arrows to scroll up and down** inside the menu and change values, such as DMX address.

ⓘ ***Note:**
After approximately 1 minute of inactivity inside the menu settings, the display will automatically jump back to home screen.

5.3 Display Short Cuts*

Short Cuts
For some always recurring functions the fixture allows quick and user-friendly access at home screen over some display control short-cuts:

User Reset or Factory Reset*

ENTER ⊕ ESC

Pressing ESC+ENTER simultaneously a Factory Reset or User Reset can be started.
By using the up/down arrows the Factory- or User Reset can be selected.
For confirming press ENTER, to jump back please press ESC.

ⓘ ***Note:**
For detailed information about the different reset options please refer to chapter "5.4.6.1 Reset functions"

Display Off

Pressing ESC + arrow down simultaneously the display backlight function will set to off and the display will turn off immediately. Once a control is pressed the display backlight will turn on.

BLE enabled / disabled

Pressing ESC + Arrow Up simultaneously the Bluetooth will enabled or disabled.
Confirm by pressing ENTER, step back by pressing ESC.

Manual display flip function*

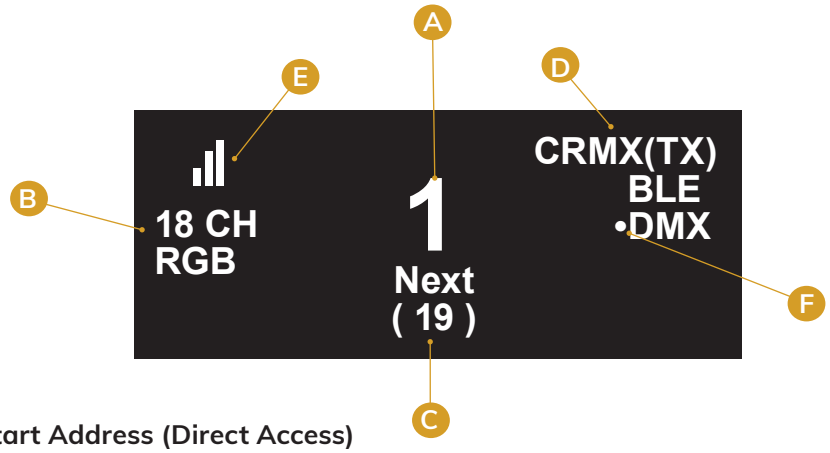
The fixture includes an auto display flip function by default.
To use the manual display flip function please disable the auto flip function under Settings / Display first. Once the auto display flip function is disabled you can use the manual display flip function by pressing arrow up + arrow down simultaneously. The display will rotate 180. By pressing both arrows simultaneously again the display will flip back.

ⓘ ***Note:**
Once the display is flipped both Up / Down controls will work according to the display rotation.

5.4 Configuration

Home Screen
After boot process the fixture is ready for operation and starts in the previously enabled mode. At home screen the following information will appear, depending on the current operating mode:

A DMX Adress
B Operating Mode (DMX Mode, Quick Light or Standalone Mode)
C Next available DMX address depending on the fixtures DMX footprint
D External Data protocol (CRMX, DMX, BLE).
E CRMX status and strength
F The dot indicates the active protocol
Note:
CRMX (RX) CRMX Receiving Mode
CRMX (TX) CRMX Transmit Mode
BLE Bluetooth enabled



5.4.1 Set DMX Start Address (Direct Access)

At Home Screen the DMX address can be changed directly by using the up and down arrows. During this process the DMX address starts blinking, once it´s confirmed by pressing ENTER it stops blinking.
If the DMX address will not be confirmed by ENTER within 10 seconds, the display will jump back and show the DMX address from before and stops blinking.

5.4.2 Selecting DMX Mode*

At home screen please press ENTER to access to the main menu (level 1).
While using UP / DOWN arrows, please select the menu item “DMX Mode” and confirm by pressing ENTER.
In the following sub-menu (level 2), you can now choose between 10 different DMX operating modes while using the UP/Down arrows and confirm by pressing ENTER or jump back by pressing ESC.
After confirmation the display will jump back to main menu (level 1). Press ESC for homescreen, here the selected DMX mode will be displayed.

ⓘ ***Note:**
For detailed information about the several DMX modes including channel assignment please see our DMX Control chart.

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Level 1

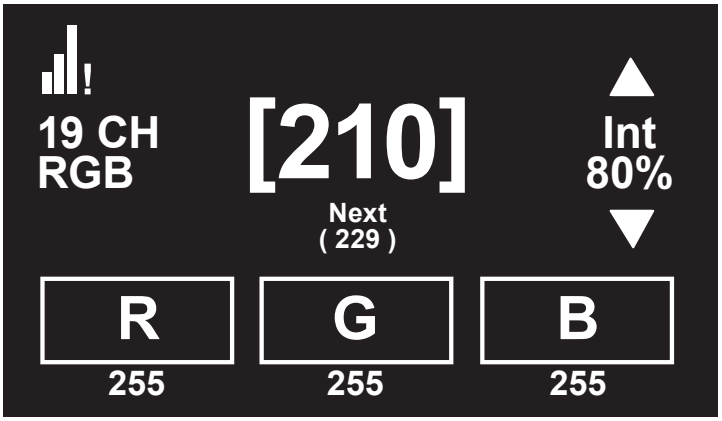
Menu
➨ DMX Mode
Stand Alone
Slave
Settings
System Info

Level 2

DMX Mode
➨ 1CH Quick,
4 CH CCT
7 CH CCT
6 CH RGB
10 CH RGB
18 CH RGB (Default)
12 CH DIRECT
14 CH DIRECT
21 CH DIRECT
6 CH HSI
12 CH HSI

5.4.3 Knob Operation

Using the three knobs and four direct user controls on the units sideplate it´s possible to control the fixture completely without a console and directly without entering any menu.



Press the respective user button to choose the desired stand alone function. The display will now show the assigned functions for every encoder. CCT provides a CTC range between 2000K to 10000K. You can also use the RGB or HSI mode to mix any color you need. Palette provides a selection of the fixtures internal color presets and LEE-filter-emulations.

When using the 1-channel Quick DMX mode, the fixture uses the DMX value to control the dimmer of the selected quick access. The default setting is CCT, and DMX always has higher priority than the knob setting.

The knob operates continuously when no external control is active or when 1-channel Quick DMX mode is selected. When a DMX signal is present, it can be overridden via Quick Access for 20 seconds and serves a quick light function. After that, the fixture returns to the DMX values, or to DMX Hold if the signal is lost during that time. Please note, that DMX, CRMX & Bluetooth always have priority before the functions of these knobs.

5.4.4 Stand Alone*

Press ENTER to access to main menu (level 1).
While using the UP / DOWN arrows, please select the menu item “Stand Alone” and confirm by pressing ENTER.
In the following sub-menu (level 2), you can now choose between 6 different Stand Alone operating modes (Auto, Editor, Color Macro, Quick Color, Tunable White, User Color) ,Stop Stand Alone, Timer and Color Settings functions while using the UP/Down arrows and confirm by pressing ENTER or jump back by pressing ESC.
To finally use Stand Alone programs please make sure either DMX, CRMX RX or BLE is connected to the fixture, as these protocols have priority.

Stop Stand Alone
To stop a running Stand Alone mode immediately, please select “Stop Stand Alone” and confirm by pressing ENTER. The display will automatically jump back to level 1.

Level 1

Menu
DMX Mode
➨ Stand Alone
Settings
System Info

Level 2

Stand Alone Mode
➨ Stop Stand Alone
Auto
Editor
Color Macro
Quick Color
Tunable White
User Color
Timer
Color Settings

Auto*
Select “Auto” by using the up/down arrows and press ENTER.
Here at sub-menu (level 3), you can choose between 10 different Auto Programs (7-Color Fade, 7-Color Jump, 15-Color Fade, 15-Color Jump, Police RB, Police B, Candle Light, Fireworks, Red Carpet and Welding) and Stop Program. Using the Up/Down arrows you can select one of the 10 auto programs and confirm by pressing ENTER or step back by ESC.
After confirming your preferred Auto Program, you can now adjust speed and brightness at level 4.
To adjust speed, please use the UP / DOWN arrows to select the menu item “Speed”, and confirm with ENTER. After use UP / DOWN arrows to adjust the speed value between 000-100 and confirm by ENTER or jump back by ESC.
To adjust brightness please select “Dim” as per the procedure previously described and confirm with ENTER. After use UP / DOWN arrows again to adjust the brightness value between 000-100 and confirm by ENTER or jump back by ESC.
Once it´s confirmed or denied the display will automatically jump back to level 3.
To stop running a selected auto program please chose “Stop Program” at level 3 or "Stop Stand Alone" at level 2.
For returning back to homescreen please press ESC three times.
At homescreen the selected Stand Alone mode “Auto” and the selected program will be displayed.

ⓘ ***Note:**
Using arrows UP /DOWN at homescreen Auto programs can be directly changed according to the list.

Level 1	Level 2	Level 3	Level 4
Menu	**Stand Alone Mode**	**Auto**	**Program**
DMX Mode	Stop Stand Alone	➨ Stop Program	➨ Speed <0-100> **(Default 50)**
➨ Stand Alone	➨ Auto	7-Color Fade	Dim <0-**100**>
Settings	Editor	7-Color Jump	
System Info	Color Macro	15-Color Fade	
	Quick Color	15-Color Jump.....	
	Tunable White	Police RB	
	User Color	Police B	
	Timer	Candle Light	
	Color Settings	Fireworks	
		Red Carpet	
		Welding	

Auto
7-Color Fade

Editor*

At Editor you have up to three customizable programs which can be defined and run from the menus.
Each of the three values contains twenty four user-definable scenes with its own values for RGBALC (RAW) or RGB (Calibrated) and shutter, playing continuously in a loop.Each scene has a definable fade-in time for the transition from one color to the other and wait-time.
To define a program please press ENTER to access to main menu (level 1).
While using the UP / DOWN arrows, please select the menu item “Stand Alone” and confirm by pressing ENTER.

Level 1	Level 2
Menu	**Stand Alone Mode**
DMX Mode	Stop Stand Alone
➨ Stand Alone	Auto
Settings	➨ Editor
System Info	Color Macro
	Quick Color
	Tunable White
	User Color
	Timer
	Color Settings

Select “Editor” by using the up/down arrows and press ENTER.
Here at sub-menu (level 3) you can choose between Program 1-3, Dimmer and Stop Program.
Using the Up/Down arrows you can select program 1, 2 or 3 and confirm by pressing ENTER or step back by ESC.
After confirming your preferred program, you can now choose between Scene 1-24.

Select one of the scenes and press ENTER or step back by ESC.
At level 5 you can now set your color, shutter and fade / wait time in minutes and seconds. For creating a color jump please set value for "Fade Time" to 0, and "Wait Time" to at least 1 second.
Once it´s set your first scene is programmed.
You can now jump back to level 3 by using ESC. Here your program will starts automatically.
For creating more scenes please use the same procedure.
To stop an active program please press ESC and select “Stop Program” at level 3 or "Stop Stand Alone" at level 2.
To start again, please re-select your preferred program, it will starts automatically again.
To adjust the master brightness for program 1-3, you can use the item “Dimmer” at level 3 and select between 000-100 and confirm by ENTER or jump back by ESC.

ⓘ ***Note: Once "Factory Calibration" is selected under "Color Settings" inside Stand Alone, only values for RGB are available here.**
Using UP / DOWN arrows at homescreen Editor program can be directly changed according to the list.
For choosing the right strobe effect please follow the Strobe Channel from our DMX chart at the end of this manual.

Level 3

Editor
Program 1
➡ Program 2
Program 3
Dim <0-**100**>
Stop Program

Level 4

Program
➡ Scene 1
Scene 2
Scene 3
...max. 24 Scenes

Level 5

Scene	
Red	<**0**-255>
Green	<**0**-255>
Blue	<**0**-255>
Amber	<**0**-255>
Lime	<**0**-255>
Cyan	<**0**-255>
Shutter	<0-**255**>
Fade Time (min.)	<**0**-480>
Fade Time (sec.)	<**0**-59>
Wait Time (min.)	<**0**-720>
Wait Time (min.)	<**0**-59>

Color Macro*
46 different color macros (34x matched LEE color filters, 6 LED colors and 6 different Whites) are available as presets. For each the brightness can be adjusted separately.

Level 1

Menu
DMX Mode
➡ Stand Alone
Settings
System Info

Level 2

Stand Alone Mode
Stop Stand Alone
Auto
Editor
➡ Color Macro
Quick Color
Tunable White
User Color
Timer
Color Settings

Level 3

Color Macro	
Color Off	
➡ Color Macros	
Color Macro Chart	
Dim	<0-**100**>

To select a color macro please press ENTER to access to main menu (level 1). While using the UP / DOWN arrows select the menu item “Stand Alone” and confirm by pressing ENTER. After please select the item “Color Macro” by using the up/down arrows and press ENTER again.
Using UP and DOWN controls, select your desired color preset and confirm with ENTER.

At level 3 you can adjust the brightness for the color preset between 000-100. Confirm by ENTER. For color blackout choose the item “Color Off”.

ⓘ **Note: Using UP / DOWN arrows at homescreen Color Macros can be changed according to the list.**

Level 4

Gels - Color Macros for Standalone Mode

Pos.	Gel Name	Color Number
1	Red	100% Red LED
2	Fire	LEE 019
3	Medium Red	LEE 027
4	Primary Red	LEE 106
5	Med Amber	LEE 020
6	Dark Amber	LEE 022
7	Deep Amber	LEE 104
8	Orange	LEE 105
9	Deep Golden Amber	LEE 135
10	Yellow	LEE 101
11	Green	100% Green LED
12	Lime Green	LEE 088
13	Moss Green	LEE 089
14	LEE Green	LEE 121
15	Primary Green	LEE 139
16	Jas Green	LEE 738

Gels - Color Macros for Standalone Mode

Pos.	Gel Name	Color Number
17	jade	LEE 323
18	Blue	100% Blue LED
19	Sky Blue	LEE 068
20	Tokyo Blue	LEE 071
21	Light Blue	LEE 118
22	Marine Blue	LEE 131
23	Med Blue	LEE 132
24	Congo Blue	LEE 181
25	Mikkel Blue	LEE 716
26	Rose Pink	LEE 002
27	Med Pink	LEE 036
28	Light Lavender	LEE 052
29	Lavender	LEE 058
30	Magenta	LEE 113
31	Mauve	LEE 126
32	Smokey Pink	LEE 127

Gels - Color Macros for Standalone Mode

Pos.	Gel Name	Color Number
33	Special Med Lavender	LEE 343
34	Ultimate Violet	LEE 707
35	Magical Magenta	LEE 795
36	Chrysalis Pink	LEE 798
37	Specia KH Lavender	LEE 799
38	Bulb White	2700K
39	Halogen White	3200K
40	Neutral White	4200K
41	Daylight White	5600K
42	Cold White I	6000K
43	Cold White II	6300K
44	Amber (only if available)	100% Amber LED
45	Lime (only if available)	100% Lime LED
46	Cyan (only if available)	100% Cyan LED

Quick Color*

The standalone mode “Quick Color” allows a direct adjustment of the single LED colors R, G, B, A, L, C, Dimmer and Shutter.

Level 1

Menu

- DMX Mode
- ➡ Stand Alone
- Settings
- System Info

Level 2

Stand Alone Mode

- Stop Stand Alone
- Auto
- Editor
- Color Macro
- ➡ Quick Color
- Tunable White
- User Color
- Timer
- Color Settings

Level 3

Quick Color

Dimmer	<0-**100**>
Shutter	<0-**255**>
Red	<**0**-255>
Green	<**0**-255>
Blue	<**0**-255>
Amber	<**0**-255>
Lime	<**0**-255>
Cyan	<**0**-255>

To adjust your Quick Color please press ENTER to access to main menu (level 1).
While using the UP / DOWN arrows select the menu item “Stand Alone” and confirm by pressing ENTER. After please select the item “Quick Color” by using the up/down arrows and press ENTER again. Using UP and DOWN controls, select your desired color and confirm with ENTER.

After you can adjust the brightness for the color between 000-255 and confirm by ENTER.
Besides the individual color mix also a master dimmer can be adjusted between 000-100.
For strobe effects please adjust the Shutter value between 000-255.

ⓘ ***Note: Please see detailed explanation for strobe effects inside DMX chart at the end of this manual.**
If "Factory Calibration" is selected in "Color Settings" only R,G,B is available here.
Using UP/DOWN arrows at homescreen you can change Quick Color´s dimmer value.

Tunable White*
The standalone mode "Tuneable White" allows the color temperature (CCT) to be adjusted from 2.000K – 10.000K in 100K steps. Besides brightness and shutter also a +/- green and magenta correction is available.

Level 1

Menu
DMX Mode
➡ Stand Alone
Settings
System Info

Level 2

Stand Alone Mode
Stop Stand Alone
Auto
Editor
Color Macro
Quick Color
➡ Tunable White
User Color
Timer
Color Settings

Level 3

Tunable White	
CCT	<**2000K-10.000**>
TINT	<**000**> (+/-127)
Dimmer	<0-**255**>
Shutter	<0-**255**>

Starting from home screen press ENTER to access to main menu (level 1).
While using the UP / DOWN arrows select the menu item "Stand Alone" and confirm by pressing ENTER.
After please select the item "Tunable White" by using the up/down arrows and press ENTER again.
Using UP and DOWN controls to select your desired menu item, confirm by ENTER and adjust the desired value by up and down controls and confirm all entries with ENTER.

ⓘ ***Note:**
Tint values
000 = no function/neutral
001 - 127 = + green
-001 to - 127 = - green

ⓘ ***Note: Using UP/DOWN arrows at homescreen the selected CCT value can be changed in +/- 100K steps.**
Shutter: Please see detailed explanation for strobe effects inside DMX chart at the end of this manual.

User Color*

The standalone mode “User Color” allows to store up to 5 customized color presets out of Red, Green, Blue, Amber, Lime and Cyan, brightness and shutter.

Level 1	Level 2	Level 3	Level 4
Menu	**Stand Alone Mode**	**User Color**	**User Color**
DMX Mode	Stop Stand Alone	Color 1	Dimmer <0-**100**>
➨ Stand Alone	Auto	Color 2	Shutter <0-**255**>
Settings	Editor	Color 3	Red <**0**-255>
System Info	Color Macro	Color 4	Green <**0**-255>
	Quick Color	Color 5	Blue <**0**-255>
	Tunable White		Amber <**0**-255>
	➨ User Color		Lime <**0**-255>
	Timer		Cyan <**0**-255>
	Color Settings		

To define a User Color please press ENTER to access to main menu (level 1).
While using the UP / DOWN arrows, please select the menu item “Stand Alone” and confirm by pressing ENTER.
Select the item menu “User Color” by using the up/down controls and press ENTER.
Using UP and DOWN select your desired preset number (Color 1 -5) and confirm with ENTER.
Use UP and DOWN controls to select your desired color, confirm by ENTER and adjust the value by up and down controls between 000-255 and confirm all entries with ENTER.
With dimmer you can adjust the allover brightness of your User Color. Shutter allows several strobe effects. Once your color mix is ready, jump back by ESC. Your individual color is stored under the selected color preset now.

ⓘ ***Note: All five User Colors are also available by DMX at Color Macro channel. Using one of the RGB DMX modes, only User Colors mixed out of RGB values are available. For Direct modes, both RGB and RGBALC User Colors are available. For detailed information please see Color Macro Chart at the end of this manual. Using UP/DOWN arrows at homescreen the Color Macros can be changed according to the list.**

Shutter: Please see detailed explanation for strobe effects inside DMX chart at the end of this manual.

Timer*

Via the internal timer function, all Stand Alone modes except "Auto" and "Editor" can be conveniently faded in and out after the function is enabled in the previously activated standalone mode, without the need for an external controller. Also it remains active even the fixture is switched off and restarted. Simultaneously, the timer function is available via cable as well as via wireless DMX for master & slave operation. The fade-in time can be set from 0 to 60 minutes, the dwell time from 1 to 24 hours and the fade-out time from 0 to 60 minutes.
To select “Timer” please press ENTER to access to main menu (level 1). While using the UP / DOWN arrows, please select the menu item “Stand Alone” and confirm by pressing ENTER.

Level 1

Menu
DMX Mode
➨ Stand Alone
Settings
System Info

Level 2

Stand Alone Mode
Stop Stand Alone
Auto
Editor
Color Macro
Quick Color
Tunable White
User Color
➨ Timer
Color Settings

Level 3

Timer		
Timer	<On / **Off**>	
Fade In	<**0**-60 min>	1 minute steps
Dwell Time	<**1**-24h>	1 hour steps
Fade Out	<**0**-60 min>	1 minute steps

Select the item menu “Timer” by using the up/down controls and press ENTER. Now you can activate / deactivate the Timer function, select “Fade In”, “Dwell Time” or “Fade Out” for the individual settings and confirm with ENTER. In each case a three-digit number field will be displayed. Use UP and DOWN to set the value as required from 000 to 060 minutes for “Fade In” and “Fade Out”, or 001 to 024 hours for the “Dwell Time”. Confirm by pressing ENTER again. After all time settings have been configured, please activate the timer function by selecting the submenu item “Timer On/Off” using UP and DOWN, confirm with ENTER, select “On” and confirm with ENTER again.
To disable the timer function, please select “Off” and confirm by ENTER.

ⓘ ***Note: Please don´t forget to select one of the Stand Alone modes for "Startup Mode" at "Settings".**

Color Settings*

Here at “Color Settings” you can chose your preferred working color mode for all Stand Alone color modes. Either Factory Calibrated or RAW. Factory color calibration of R, G, B, A, L and C for a maximum of color consistency from unit to unit. Please note If this function is activated only RGB is available at User Color and Quick Color. For a maximum of saturation please chose RAW mode.

Level 1

Menu
DMX Mode
➨ Stand Alone
Settings
System Info

Level 2

Stand Alone Mode
Stop Stand Alone
Auto
Editor
Color Macro
Quick Color
Tunable White
User Color
Timer
➨ Color Settings

Level 3

Color Settings
➨ **Factory Calibrated**
RAW

5.4.5 Settings

Level 1

Menu
DMX Mode
Stand Alone
➡ Settings
System Info

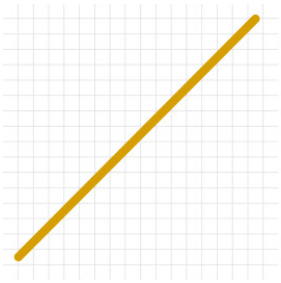
Main Menu	Menu level 2	Menu level 3	Menu level 4	Description
Settings	Wireless DMX (only available if optional CRMX PCB installed)	CRMX	<on/**off**>	On=CRMX enabled / Off= CRMX disabled
		Operating Mode	<**receive**/transmit>	Receive= CRMX module as Receiver Transmit= CRMX module as Transmitter
		Transmit Link	<**no**/yes>	Yes= pair with CRMX devices. CRMX must be activated on all devices and the pairing must be picked up by a transmitter (Receive Reset). No= Linking disabled
		Receive Reset	<**no**/yes>	Yes = retain transmitter pairing No = do not retain transmitter pairing
		Pass to DMX Out	<**no**/yes>	Yes= incoming wireless DMX and BLE signal will be passed to wired DMX out No= incoming wireless DMX and BLE signal will not be passed to wired DMX out
		Signal Strength	0-100	CRMX signal strength
		BLE	<on/**off**>	On= BLE enabled / Off= BLE disabled
		BLE Link	<**no**/yes>	Link = starts bluetooth advertising for at least 1 minute
		BLE Password	<**000000**>	Set 6-digits user Password for connection to your mobile device (ROXXAPP)
	Protocol	DMX		
		Slave		
	Display	Backlight	<**on**/off>	On= controls permanent on, display itself will deactivate after 60 minues of incativity Off= controls and display deactivation after approximately 1 minute of inactivity
		Auto Lock	<on/**off**>	On= Automatically locks the controls after approximately 1 minute of inactivity. After attempted input the display shows: „Locked!“ Unlock process: press arrows up, down, up, down consecutively
	Startup Mode (using last adjustments of specific Standalone Modes)	**Hold** (factory default)		
		DMX		Select your default operating mode when fixture is powered on
		Auto		
		Editor		
		Color Macro		
		Quick Color		
		Tunable White		
		User Color		
		Knobs		
	DMX Fail	**Hold** (factory default)		Hold= last command retains, also after power cycle
		Blackout		Blackout= Activates Blackout

Main Menu	Menu level 2	Menu level 3	Menu level 4	Description
Settings	DMX Fail	Emergency Light		Emergency Light= Fixtures changes to 5600K
		Knobs		Fixture runs according to backside knobs for dimmer and CCT/Color
	Dimmer Curve	**Linear**		Linear= Light intensity increases linear with DMX value
		Exponential		Exponential= Light intensity can be set more smooth at lower DMX values and broadly at higher DMX values.
		Logarithmic		Light intensity can be broadly adjusted at lower DMX values and more smooth at higher DMX values
		S-Curve		Light intensity can be adjusted smoothly at lower and higher DMX values and broadly at medium DMX values
	Dimmer Response	**LED**		The LED responds abruptly to it´s DMX values
		Halogen		The LED responds similar to a halogen fixture with soft changes at brightness.
	Color Calibration	**Normal CRI**	Colors & CCT calibrated, normal CRI mode	
		High CRI	Colors & CCT calibrated, high CRI mode	
	RAW Balance (affects RAW Mode in DMX and Stand-alone control)	User Calibration	Red <0-**255**>	Individual color calibration for R,G,B,A,L and C
			Green <0-**255**>	
			Blue <0-**255**>	
			Amber <0-**255**>	
			Lime <0-2**55**>	
			Cyan <0-**255**>	
	LED Frequency	800 Hz	Select preferred LED PWM frequency	
		1200 Hz		
		2000 Hz		
		3600 Hz		
		12000 Hz		
		25000 Hz		
	Fan	**Auto 1**		Adjust fan speed relative to internal fixture temperature, maximum 2360rpm
		Auto 2		Adjust fan speed relative to internal fixture temperature, maximum 2000rpm
		Silent 1		Constant 1600 rpm and max. 10% drop @25°C ambient temperatur
		Silent 2		Low fan speed for silent operation, constant 1350 rpm and max. 10% drop @25°C ambient temperature
		Studio		Low fan speed for silent operation, constant 1070 rpm and max. 10% drop @25°C ambient temperatur
		Fan Off		Fan Off and max. 10% drop @25°C ambient temperature
		Max Power		High fan speed for maximum cooling effect, constant 3000rpm
	Redshift	On / **Off**	On= Activates Redshift, Off= Deactivates Reds-hift	Redshift function simulate traditional halogen fixtures while dimming down. Redshift affects only between 2700-3500K.

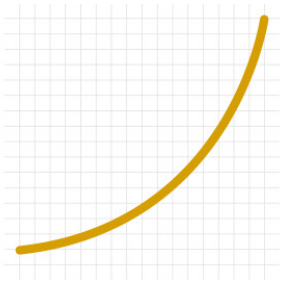
Main Menu	Menu level 2	Menu level 3	Menu level 4	Description
Settings	USB Update	Auto		Runs firmware update automatically, once USB stick gets plugged in
		Manual		
		No		Do not run firmware update via USB port
	Factory / User Reset For more and detailed information about the different reset options please refer to chapter "5.4.6.1 Reset functions"	Factory Reset	Are you sure to reset? / Confirm by pressing ENTER, cancel with ESC	Restores all factory defaults , but not User defaults and no User Colors
		User Reset	Are you sure to reset? / Confirm by pressing ENTER, cancel with ESC	Restores all User Reset according to the User Preset List. User Colors will not set back. Timer Function and DMX adress restore to Factory default. Once User Reset is activated a fixture self test will start. Self Test is not available while activating User Rest by DMX Settings.
		User Reset List	DMX Mode. 1CH Quick 4CH CCT, 7CH CCT, 6CH RGB, 11CH RGB, 15CH RGB, 12CH DIRECT, 14CH DIRECT, 21CH DIRECT, 6CH HSI, 12CH HSI	Select your User Reset defaults
			CRMX <on/**off**>	
			CRMX Operating Mode. <**receive**/transmit>	
			CRMX Receive Reset <**no**/yes>	
			BLE <on/**off**>	
			BLE Link <**no**/yes>	
			BLE Password <**000000**>	
			CRMX Pass to DMX Out <**no**/yes	
			Backlight <**on**/off>	
			Auto Lock <on/**off**>	
			Startup Mode <**DMX/** Auto/Editor/Color Macro, Quick Color, Tunable White, User Color, Knobs>	
			DMX Fail <**Hold**/Blackout/Emergency, Knob>	
			Dimmer Curve <**Linear**, Exponential, Logarithmic, S-Curve>	
			Dimmer Response <**LED**, Halogen >	
			Color Calibration <**Normal CRI /** High CRI>	
			RAW Balance <**RAW** / User Calibration>	
			LED Frequency <800Hz, **1200Hz**, 2000Hz, 3600Hz, 12000Hz, 25000Hz>	
			Fan <**Auto1**, Auto 2, Silent 1,Silent 2, Studio, Fan Off, Max Power>	
			Redshift <on/**off**>	

Dimmer Curves

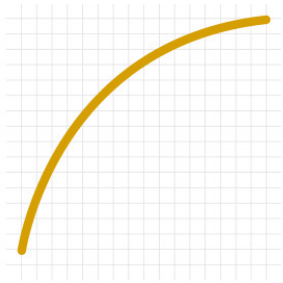
Linear



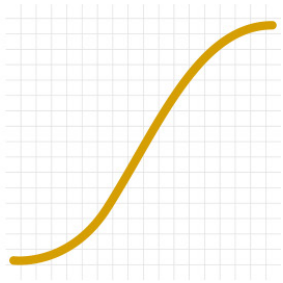
Exponential



Logarithmic



S-Curve



5.4.5.1 Reset Functions

1. Via DMX

Factory / User Reset only starts if shutter channel has the DMX value “250” at the same time

- *Factory Reset:*
  DMX address and DMX mode stay on the same value as set before the reset
- *User Reset:*
  DMX address and DMX mode stay on the same value as set before the reset
  There is no LED / Fan test

2. Via RDM

Factory / User Reset only starts if shutter channel has the DMX value “250” at the same time

- *Factory Reset:*
  DMX address and DMX mode stay on the same value as set before the reset
- *User Reset:*
  DMX address and DMX mode stay on the same value as set before the reset

There is no LED / Fan test

3. Via Menu / Display Shortcut

- *Factory Reset:*
  Display Query:
  “> With Add. / Mode
  No Add. / Mode
  RESET NOW?”
  - If “With Add. / Mode” is selected, DMX address is set to “1” and DMX mode changes to default mode
  - If “No Add. / Mode” is selected, DMX address and DMX Mode stay at current values

- User Reset:
  Display Query:
  “> With Add. / Mode
  No Add. / Mode
  RESET NOW?”
  - If “With Add. / Mode” is selected, DMX address is set to “1” and DMX mode changes to the mode defined by “User Reset List / DMX Mode”
  - If “No Add. / Mode” is selected, DMX address and DMX Mode stay at current values

Unit Starts LED / Fan test.

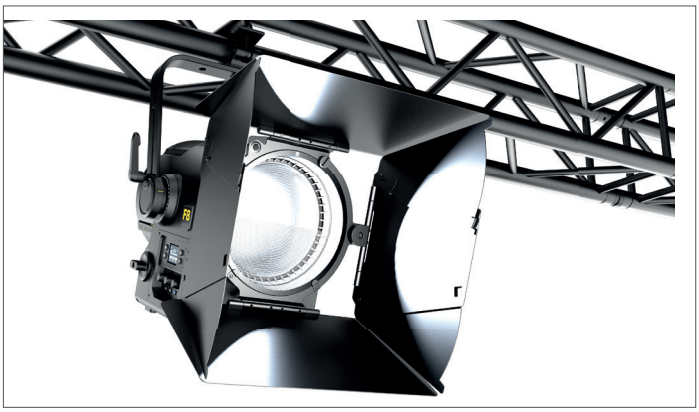
5.4.6 System Info

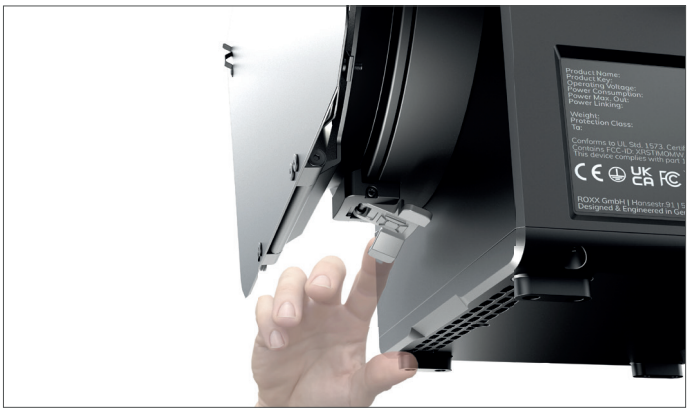
Level 1

Menu
DMX Mode
Stand Alone
Settings
➡ System Info

Main Menu	Menu level 2	Menu level 3	Menu level 4
System Info	Firmware Version	Fixture: VX.XX	Display installed firmware version
		KLSTR: VX.XX	
	Serial Number	212xxxxxxxx	
	RDM UID	Fixture: 0x6a6axxxxxxxx	Display unique RDM ID for identification
		KLSTR: xxxxxxxxxxxxxx	
	Temperatures	Celsius LED : XXX°C or Fahrenheit LED : XXX °F	Display fixture temperature by celsius and fahrenheit
	Power on Time	Total: xxxxxhours	Display fixture total power on time
	LED on Time	Total: xxxxxhours	Display LED total power on time
	Errors	Errors information	Display error codes

6. ACCESSORIES

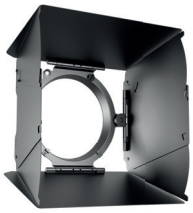




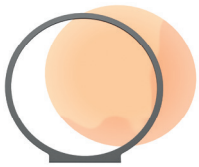
The revolutionary advanced 8-Way Barndoor redefines light shaping. In addition to the classic design with eight blades, two blades can be rotated along the X-axis to correct slanted distortions and transform them into a straight edge, enabling a new level of precision. Whether you need precise light control, subtile shading, or creative shaping, this flexible system adapts to any lighting scenario. If you need a stable x-axis, tighten the setscrew on the back of the barndoor.

An integrated grid holder further improves control. For example, glare in the front rows of the audience can be avoided by using single or double grids for partial light reduction (grid S 30% D 60%) and sophisticated light graduations – perfect for TV, cinema, or theater applications.

6.1 More accessories

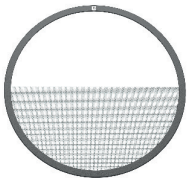


Barndoor black
Art.: 15908101



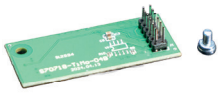
Gel Frame
Art.: 15908501

Half Grid S, black
Art.: 15908301



Half Grid D, black
Art.: 15908401

PO-Yoke
Art.: 15908201

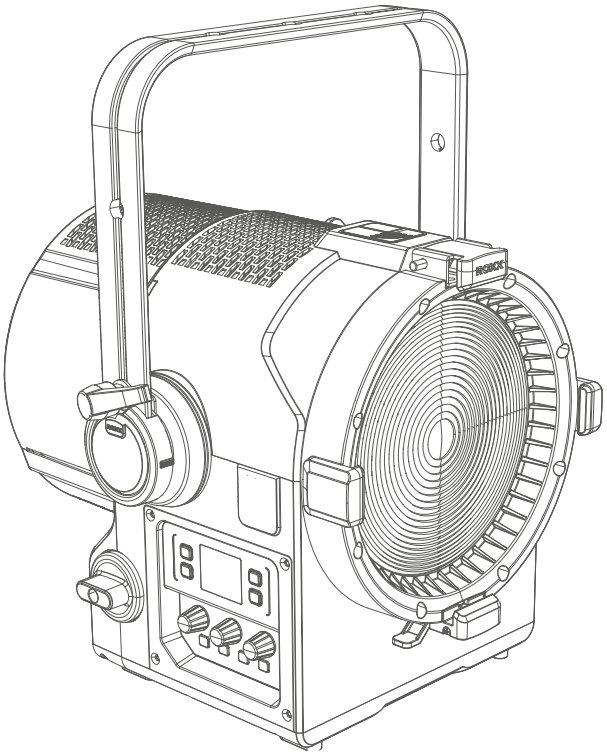


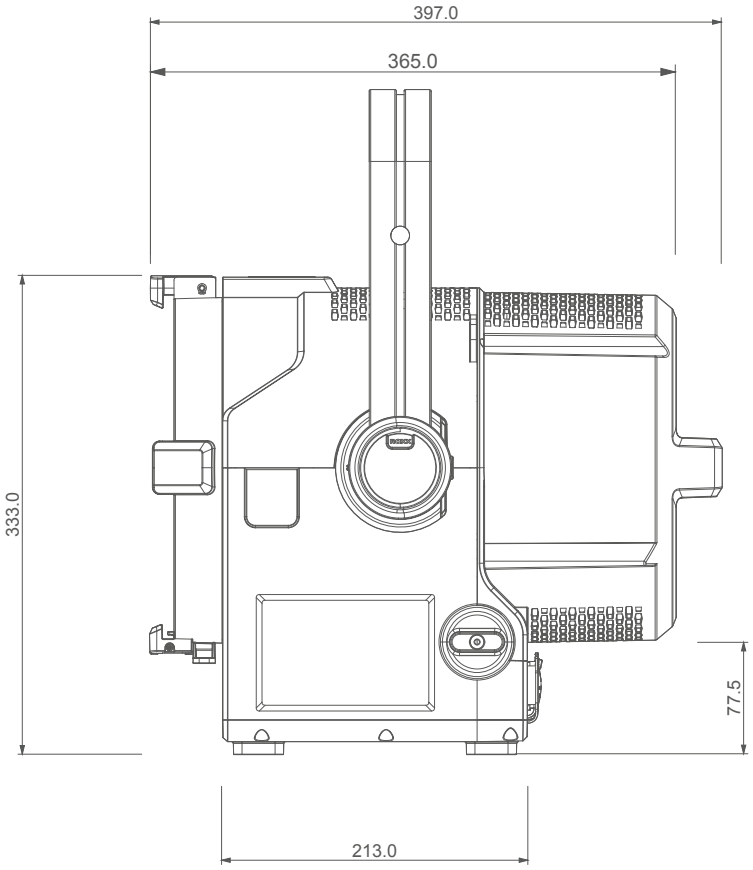
TimoTwo Modul
Art.: 15900100

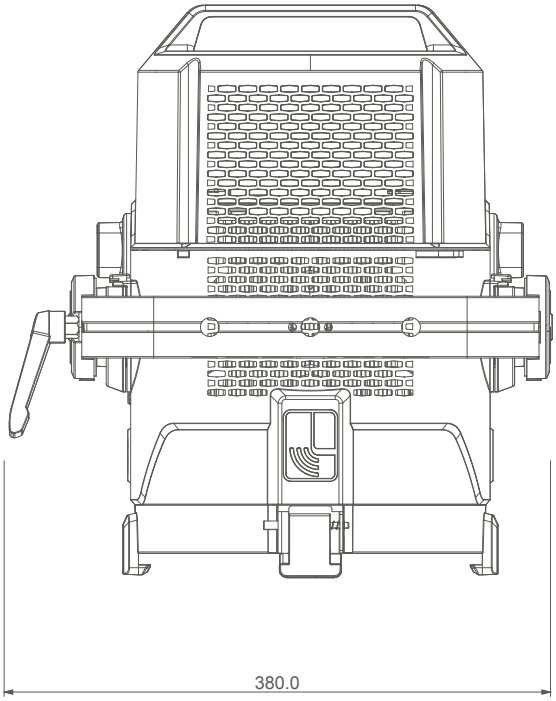
Antenna
Art.: 15900201

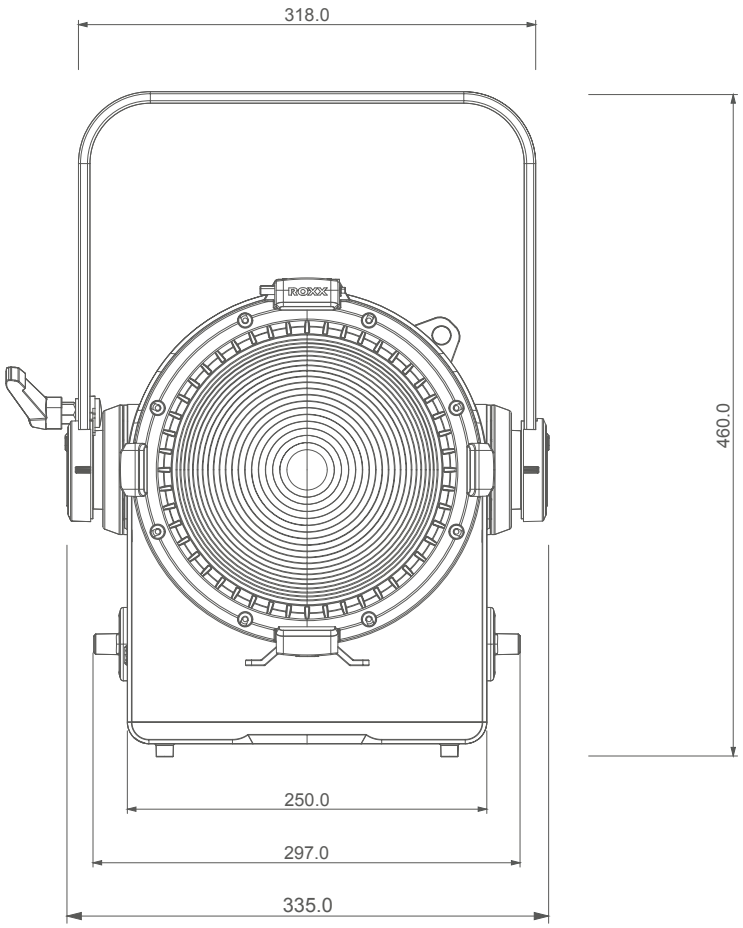
7. TECHNICAL DATA / DIAGRAMS

7.1 Technical drawings and measurements



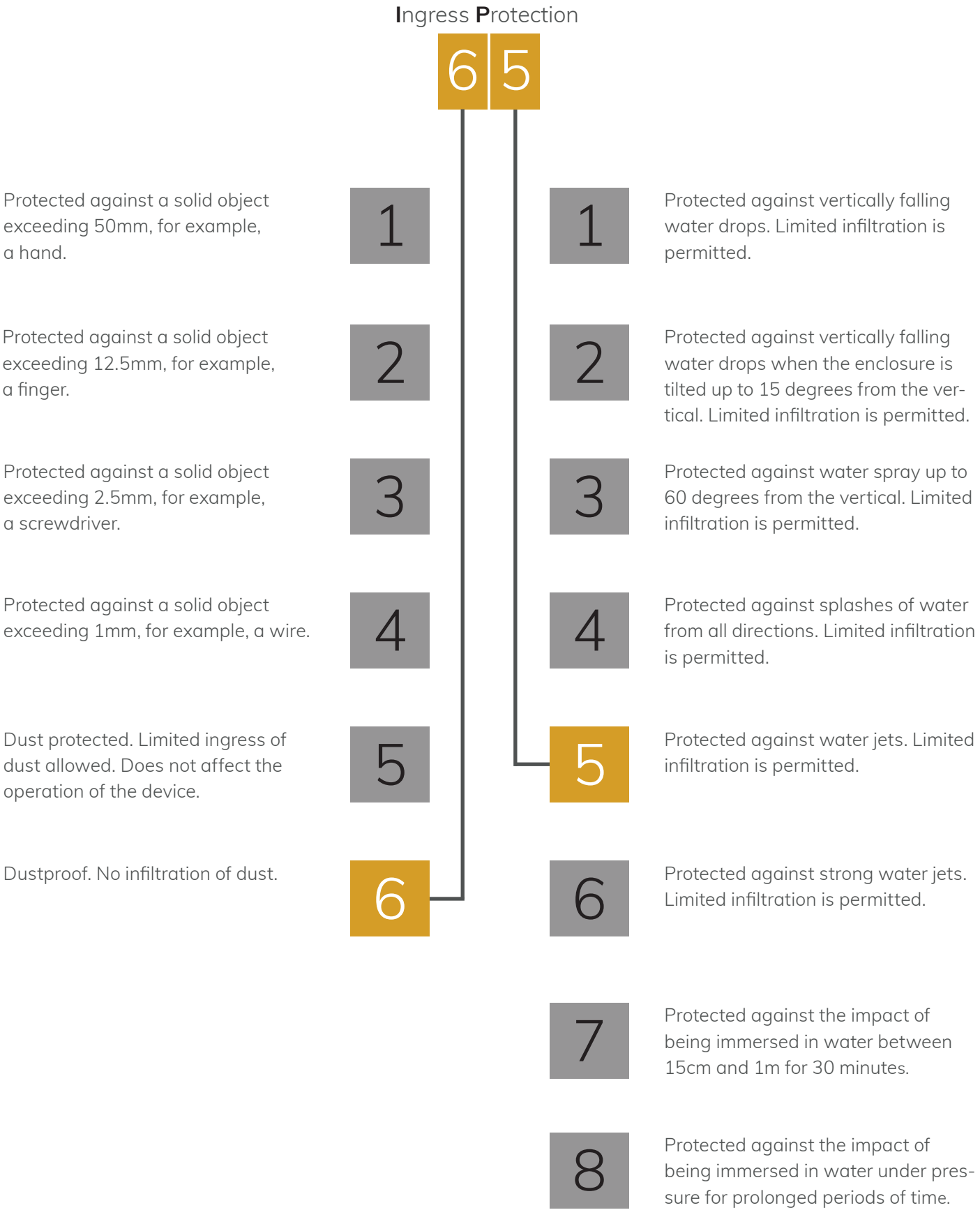






7.2 IP Rating

ROXX products conform to officially classified IP standard levels. ICON F8is rated to IP65 when using the covers for the housing parts. IP stands for Ingress Protection and IP65, according to classified standard, means shielded against dust and high-pressure jets of water from any side.



7.3 Technical Data

Photometrics	
LED expected lifetime	50.000 hours
Lightsource	800W RGBALC
Type of optical system	Fresnel lens 8" with manual zoom
LED PWM Frequency	selectable 800Hz, 1.200Hz, 2.000Hz, 3.600Hz, 12kHz, 25kHz
Beam angles @ narrow (50%)	10,8°
Maximum Field angles @ narrow (10%)	21,5°
Beam angles @ wide (50%)	54,7°
Maximum Field angles @ wide (10%)	75,2°
Color temperature range	2000-10.000K
CRI/Ra	up to 98
TLCI	up to 99
Luminous flux @ 5600K (High CRI) narrow / wide	8620 lm / 19411 lm
illuminance Lux @ 5m / 16,4ft (@ 5600K High CRI) narrow / wide	6462 lux / 1021 lux
Efficancy @ Full (max)	33 lm/W
Dimensions & Weight	
IP class	IP65
IK class	IK08
Body material	Aluminum, Nylon
Lens material	Plastic
Net dimensions incl.Yoke mm (w x h x d)	380 x 460 x 397 x mm
Net dimensions incl. Yoke inches (w x h x d)	14,96 x 18,11 x 15,63 inch
Net dimensions without Yoke mm (w x h x d)	297 x 333 x 397 mm
Net dimensions without. Yoke inches (w x h x d)	11,69 x 13,11 x 15,63 inch
Net weight (without Barndoors)	13 kg / 28,66 lbs
Net weight (including Barndoors)	14,75 kg / 32,52 lbs
Thermal Characteristics	
Cooling	Active, Heatpipe-System, Temperature-regulated
Humidity (max.)	95%
Temperature range, AC Operating	-40°C to 45°C
Temperature range, Start-Up AC Operating	-20° to 45°C
Temperature range, Storage AC only	-40°C to 80°C
Temperature range, Battery Operating	-20° to 40°C
Temperature range, Start-Up Battery Operating	-20° to 40°C
Temperature range, Storage Battery	-10°C to 25°C
Temperature range, Charging	0°C to 40°C
Thermal Protection	Automatic overtemperature protection

7.3 Technical Data

Electrical Data	
Operating Voltage	100 – 240V 50/60Hz
Electrical protection	Overload protection with automatic recover
Power Max.	594W @ 230V / 623W @ 100V
Power Linking	3 units @ 230V / 1 units @ 100V
Power Factor	1
Standby Power	13W
Power Thru max. @ 100V	5A (ETL) / 8A
Power Thru max. @ 230V	9A (ETL) / 12A
Power Supply Unit	Inbuilt auto-ranging electronic switch-mode
Included / optional	
Included items	8-way Barndoor, 2m Power Cable
Optional Accessories	Gel Frame, Grids (Double and Single), PO-Yoke
Color options	Black – RAL 9004 (Standard) Custom color – any RAL (on request)
Operator & Controller	
DMX channels	1CH Quick, 4CH CCT, 7CH CCT, 6CH RGB, 10CH RGB, 18CH RGB, 12CH DIRECT, 14CH DIRECT, 21CH DIRECT, 6CH HSI, 12CH HSI
DMX modes	11
Protocol	USITT DMX512A RDM ANSI E1.20 optional: CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S Bluetooth (Low Energy) KLSTR technology ready
Setting and addressing	TFT Display RDM ANSI E1.20 Near Field Control (NFC)
Standalone mode	Auto Program, Color Macro, Quick Color, Tunable White, User Color
Wireless DMX & Bluetooth	optional: Lumen Radio transmitt & receive function (CRMX)
indicator	TFT display
controls	8 backlighted controls
Strobe	0-30Hz
DMX I/O	IP65 XLR 5-pin male/female
Power In	TRUE1 compatible input & link-thru sockets
USB Firmware Update	IP65 USB-C socket / USB update box
Installation	
Orientation	Any
Rigging possibilities	hanging direct
Safety features	1x safety eye
Minimum distance from flammable materials	0,3 meters (11,8 inch)

7.4 DMX-Charts / Color Macro Charts / CCT Chart

1CH Quick				
4CH CCT	**6CH RGB**	**18CH RGB** / Default	**14CH DIRECT**	**6CH HSI**
7CH CCT	**10CH RGB**	**12CH DIRECT**	**21CH DIRECT**	**12CH HSI**

Here you can find the DMX charts for the ICON F8 for reading or downloading. Simply click on the icon or scan the QR code.

Color Macro Chart

Gels - Color Macros for DMX

DMX value	Gel Name	Color Number
000-005	no function	
006-008	Red	100% Red LED
009-011	Fire	LEE 019
012-014	Medium Red	LEE 027
015-017	Primary Red	LEE 106
018-020	Med Amber	LEE 020
021-023	Dark Amber	LEE 022
024-026	Deep Amber	LEE 104
027-029	Orange	LEE 105
030-032	Deep Golden Amber	LEE 135
033-035	Yellow	LEE 101
036-038	Green	100% Green LED
039-041	Lime Green	LEE 088
042-044	Moss Green	LEE 089
045-047	LEE Green	LEE 121
048-050	Primary Green	LEE 139
051-053	Jas Green	LEE 738
054-056	Jade	LEE 323
057-059	Blue	100% Blue LED
060-062	Sky Blue	LEE 068
063-065	Tokyo Blue	LEE 071
066-068	Light Blue	LEE 118
069-071	Marine Blue	LEE 131
072-074	Med Blue	LEE 132
075-077	Congo Blue	LEE 181
078-080	Mikkel Blue	LEE 716
081-083	Rose Pink	LEE 002
084-086	Med Pink	LEE 036
087-089	Light Lavender	LEE 052
090-092	Lavender	LEE 058

Gels - Color Macros for DMX

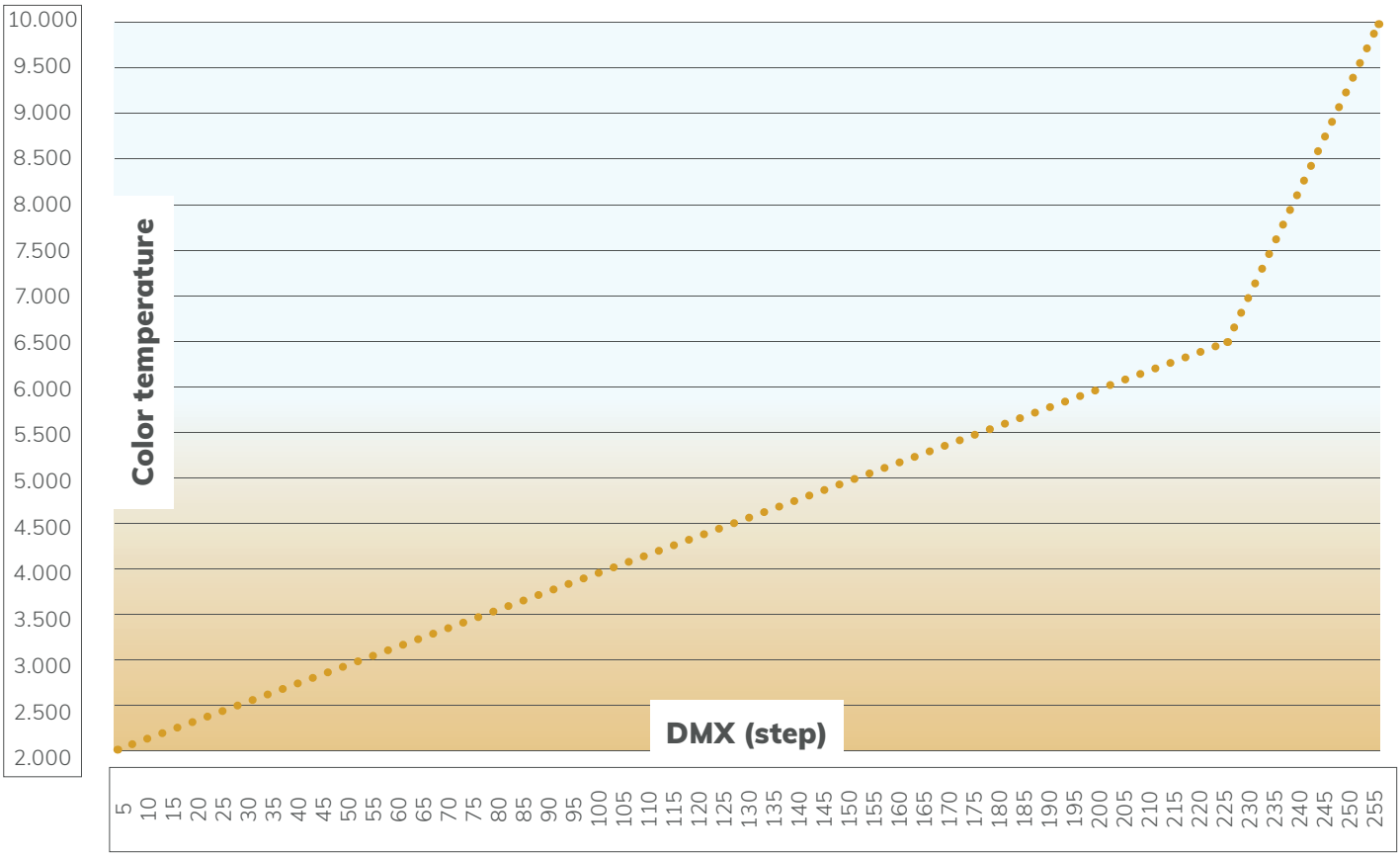
DMX value	Gel Name	Color Number
093-095	Magenta	LEE 113
096-098	Mauve	LEE 126
099-101	Smokey Pink	LEE 127
102-104	Special Med Lavender	LEE 343
105-107	Ultimate Violet	LEE 707
108-110	Magical Magenta	LEE 795
111-113	Chrysalis Pink	LEE 798
114-116	Specia KH Lavender	LEE 799
117-119	Bulb White	2700K
120-122	Halogen White	3200K
123-125	Neutral White	4200K
126-128	Daylight White	5600K
129-131	Cold White I	6000K
132-134	Cold White II	6300K
135-137	White (only if available)	100% White LED
138-140	Amber (only if available)	100% Amber LED
141-143	Lime (only if available)	100% Lime LED
144-146	Cyan (only if available)	100% Cyan LED
147-149	User Color 1	
150-152	User Color 2	
153-155	User Color 3	
156-158	User Color 4	
159-161	User Color 5	
162-164	Color Jumping stop	
165-209	Color Jumping speed slow ⊖ fast	color 1-37
210-255	Color fading speed slow ⊖ fast	color 1-37

Color Macro Chart

Gels - Color Macros for Standalone Mode		
Position	Gel Name	Color Number
1	Red	100% Red LED
2	Fire	LEE 019
3	Medium Red	LEE 027
4	Primary Red	LEE 106
5	Med Amber	LEE 020
6	Dark Amber	LEE 022
7	Deep Amber	LEE 104
8	Orange	LEE 105
9	Deep Golden Amber	LEE 135
10	Yellow	LEE 101
11	Green	100% Green LED
12	Lime Green	LEE 088
13	Moss Green	LEE 089
14	LEE Green	LEE 121
15	Primary Green	LEE 139
16	Jas Green	LEE 738
17	Jade	LEE 323
18	Blue	100% Blue LED
19	Sky Blue	LEE 068
20	Tokyo Blue	LEE 071
21	Light Blue	LEE 118
22	Marine Blue	LEE 131
23	Med Blue	LEE 132
24	Congo Blue	LEE 181
25	Mikkel Blue	LEE 716
26	Rose Pink	LEE 002
27	Med Pink	LEE 036
28	Light Lavender	LEE 052

Gels - Color Macros for Standalone Mode		
Position	Gel Name	Color Number
29	Lavender	LEE 058
30	Magenta	LEE 113
31	Mauve	LEE 126
32	Smokey Pink	LEE 127
33	Special Med Lavender	LEE 343
34	Ultimate Violet	LEE 707
35	Magical Magenta	LEE 795
36	Chrysalis Pink	LEE 798
37	Specia KH Lavender	LEE 799
38	Bulb White	2700K
39	Halogen White	3200K
40	Neutral White	4200K
41	Daylight White	5600K
42	Cold White I	6000K
43	Cold White II	6300K
44	White (only if available)	100% White LED
45	Amber (only if available)	100% Amber LED
46	Lime (only if available)	100% Lime LED
47	Cyan (only if available)	100% Cyan LED

CTC channel
DMX / Color temperature



CTC-Chart

DMX (Step)	Color Temp (°K)
0	5600
1	5600
2	5600
3	5600
4	5600
5	2000
6	2020
7	2041
8	2061
9	2081
10	2102
11	2122
12	2143
13	2163
14	2183
15	2204
16	2224
17	2244
18	2265
19	2285
20	2305
21	2326
22	2346
23	2367
24	2387
25	2407
26	2428
27	2448
28	2468
29	2489
30	2509
31	2529
32	2550
33	2570
34	2590
35	2611
36	2631
37	2652
38	2672
39	2692
40	2713
41	2733
42	2753

DMX (Step)	Color Temp (°K)
43	2774
44	2794
45	2814
46	2835
47	2855
48	2876
49	2896
50	2916
51	2937
52	2957
53	2977
54	2998
55	3018
56	3038
57	3059
58	3079
59	3100
60	3120
61	3140
62	3161
63	3181
64	3201
65	3222
66	3242
67	3262
68	3283
69	3303
70	3324
71	3344
72	3364
73	3385
74	3405
75	3425
76	3446
77	3466
78	3486
79	3507
80	3527
81	3548
82	3568
83	3588
84	3609
85	3629

DMX (Step)	Color Temp (°K)
86	3649
87	3670
88	3690
89	3710
90	3731
91	3751
92	3771
93	3792
94	3812
95	3833
96	3853
97	3873
98	3894
99	3914
100	3934
101	3955
102	3975
103	3995
104	4016
105	4036
106	4057
107	4077
108	4097
109	4118
110	4138
111	4158
112	4179
113	4199
114	4219
115	4240
116	4260
117	4281
118	4301
119	4301
120	4342
121	4362
122	4382
123	4403
124	4423
125	4443
126	4464
127	4484
128	4505

DMX (Step)	Color Temp (°K)
129	4525
130	4545
131	4566
132	4586
133	4606
134	4627
135	4647
136	4667
137	4688
138	4708
139	4729
140	4749
141	4769
142	4790
143	4810
144	4830
145	4851
146	4871
147	4891
148	4912
149	4932
150	4952
151	4973
152	4993
153	5014
154	5034
155	5054
156	5075
157	5095
158	5115
159	5136
160	5156
161	5176
162	5197
163	5217
164	5238
165	5258
166	5278
167	5299
168	5319
169	5339
170	5360
171	5380

DMX (Step)	Color Temp (°K)
172	5400
173	5421
174	5441
175	5462
176	5482
177	5502
178	5523
179	5543
180	5563
181	5584
182	5604
183	5624
184	5645
185	5665
186	5686
187	5706
188	5726
189	5747
190	5767
191	5787
192	5808
193	5828
194	5848
195	5869
196	5889
197	5910
198	5930
199	5950
200	5971
201	5991
202	6011
203	6032
204	6052
205	6072
206	6093
207	6113
208	6133
209	6154
210	6174
211	6195
212	6215
213	6235
214	6256

DMX (Step)	Color Temp (°K)
215	6276
216	6296
217	6317
218	6337
219	6357
220	6378
221	6398
222	6419
223	6439
224	6459
225	6480
226	6500
227	6621
228	6741
229	6862
230	6983
231	7103
232	7224
233	7345
234	7466
235	7586
236	7707
237	7828
238	7948
239	8069
240	8190
241	8310
242	8431
243	8552
244	8672
245	8793
246	8914
247	9034
248	9155
249	9276
250	9397
251	9517
252	9638
253	9759
254	9879
255	10000

7.5 RDM Templates*

The ROXX Show series features support for various RDM functions.
RDM (Remote Device Management) is a protocol enhancement to USITT DMX512 that allows bi-directional communication between the fixtures and the controller over a standard DMX line. This protocol will allow configuration, status monitoring and management. You will need a RDM controller to get control over the supported parameters. See the tables below for supported RDM features.

Label:	ROXX ICON F8
Model:	ICON F8
Manufacturer:	ROXX
ID:	6A6Ah
Device ID:	212 xxxx

ⓘ ***Note: During RDM identifying process ICON F8flashes white to blue color alternately.**

RDM functions

For easy identifying ROXX ICON F8 during RDM process the unit will jump from white color to blue color every second.

PID	Function	Action	Values
0x00F0	DMX Start Address	Set	001-512
0x00E0	DMX Personality	Set	DMX modes
0x0120	DMX Slots	Read	
0x0090	Factory Defaults	Set	
0x8062	Protocol	Set	1= DMX / 2= Slave
0x0500	Display Invert	Set	0= Off / 1= On
0x0501	Display Backlight	Set	0= Off / 1= On
0x0641	Display Lock	Set	0= Off / 1= On
0x8018	CRMX Operating Mode	Set	1= RX / 0= TX
0x8019	CRMX Receive Reset	Set	0= No / 1= Yes
0x801A	CRMX Transmit Link	Set	0= No / 1= Yes
0x801B	CRMX Pass to DMX out	Set	0= No / 1= Yes
0x801C	Bluetooth	Set	0= Off / 1= On
0x801D	Bluetooth Link	Set	0= No / 1= Yes
0x0142	Startup Mode	Set	1= Hold / 2= DMX / 3= Auto / 4= Editor / 5= Color Macro / 6= Quick Color / 7= Tunable White / 8= User Color / 9= Knobs
0x0141	DMX Fail	Set	1= Hold / 2= Blackout / 3= Emergency Light / 4= Knobs
0x0343	Dimmer Curve	Set	1= Linear / 2= Exponential / 3= Logarithmic / 4= S-Curve
0x0344	Dimmer Curve Description	Read	
0x0345	Dimmer Response	Set	1= LED / 2= Halogen
0x0346	Dimmer Response Description	Read	
0x0347	LED Frequency (PWM)	Set	1= 800Hz / 2= 1200Hz / 3= 2000Hz / 4= 3600Hz / 5= 12kHz / 6= 25kHz
0x0348	LED Frequency Description	Read	
0x8032	Redshift	Set	0= Off / 1= On
0x805a	Fan Mode	Set	1= Auto 1 / 2= Auto 2 / 3= Silent 1 / 4= Silent 2 / 5= Studio / 6= Fan Off / 7= Max. Power

0x8060	StandAlone Color Settings	Set	1= Color Calibration / 2= RAW
0x8061	Color Calibration	Set	1= Normal CRI / 2= High CRI
0x8058	RAW Balance	Set	1= RAW / 2= User Calibration
0x8101	User Calibration RED	Set	000-255
0x8102	User Calibration GREEN	Set	000-255
0x8103	User Calibration BLUE	Set	000-255
0x8104	User Calibration AMBER	Set	000-255
0x8105	User Calibration LIME	Set	000-255
0x8106	User Calibration CYAN	Set	000-255
0x1001	Device Reset (New Boot)	Set	0= No / 1= Yes
0x805e	Factory Reset	Set	0= No / 1= Yes
0x805f	User Reset	Set	0= No / 1= Yes
0x00D3	Serial Number	Read	
0x00C0	Boot Software Label	Read	
0x00C1	Boot Software ID	Read	
0x0400	Device Hours	Read	
0x0401	LED Hours	Read	
Sensor 1	LED Temperature	Read	
Sensor 2	Fan Speed	Read	

* For more and detailed information about the different reset options please refer to chapter "5.4.6.1 Reset functions"

Sensors

RDM enables various readouts for remote device monitoring. See the table below for sensors and sensor types. Please note: The RDM controller communicates with the fixtures to show only the available sensors for this fixture. The table is subject to change without notice.

Name	
Temperature	xx°C / xxx°F
Software Version	SW-Version
Errors	

8. TROUBLESHOOTING

Did you try turning the device off and on again?

Problem	Reason	Solution
Device is not responding.	No power.	Check cable connections and conform that power is switched on.
	Fuse defect.	Contact your qualified service technician / manufacturer.
Device has turned off.	Power failure or power was turned off.	Check power supply, fuse, connections, switches.
Device has stopped responding.	DMX cable correct?	Check cables.
	Wireless connection got cut off.	Check wireless transmitter and connection signals.
Device operates strangely.	DMX cable inverted (pins correct?)	Use a phase inverter or different cables.
	DMX cable terminated?	If not, install DMX termination at the end of the cable.
	Stand Alone program running?	Stop internal Stand Alone.
No Bluetooth Connectivity	No Bluetooth Connectivity	Please make sure your mobile device is inside the connectivity range of maximum 10-15m.
	Bluetooth is disabled at your mobile device	Please eanble Bluetooth at your mobile device settings.
	Mobile device has wrong Bluetooth Pin	Please use same Bluetooth Pin to connect ROXX. APP with the fixture. Current BLE Pin can be read out inside fixture´s wireless DMX settings.
	Mobile device has different Bluetooth connectivity	As only one Bluetooth connectiviy can be active, please make sure your mobile device is currently not connected to some other devices.
	Different mobile device is still conneced to the fixture	Please disconnect other mobile device from fixture.
	No Bluetooth Advertisment	Please send new BLE advertisement by enable "BLE Link" inside Settings of the fixture.
	Bluetooth module has hang up	Please enable Factory Reset at the fixture to re-start the Bluetooth module.

9. MANUFACTURER´S DECLARATION

Manufacturer´s Warranty & Limitations of Liability
Please find our warranty conditions and limitations of liability inside our manufacturer´s declaration at www.roxxlight.com/support

Requesting Warranty-Service
To request warranty service for your product, please contact:
ROXX GmbH,
Hansestr. 91, 51149 Köln
Email: info@roxxlight.com or the ROXX authorized reseller in your country, from where you purchased your product.

Correct Disposal of this product

This is for the European Union and European countries with electrical waste collection systems. When this label is shown on the product or brochure it means that the item cannot be disposed with household waste. In order to prevent damage to the environment or human health please do not dispose this product uncontrolled. Make sure to act responsible, recycle this product separately from other types of waste to enable lasting reuse of resources. Private users please contact the retailer where you purchased this product or your local authorities to find out where and how proper recycling of this item is possible. Business users please contact your supplier or check the terms and conditions of your purchasing contract. Make sure not to mix this product with other commercial waste.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Manual

CE Compliance

The equipment marketed by ROXX GmbH complies (where applicable) with the essential requirements and other specifications of the following Directives:

- 2014/53/EU (RED)
- 2014/30/EU (EMC)
- 2014/35/EU (LVD)
- 2011/65/EU (RoHS)

The complete EU- and UK-Declaration of Conformity can be found at www.roxxlight.com/support, or you can also request it at info@roxxlight.com

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