

**U**CPRO®

Manual

# AURON ONE20

Version 3.0





**Bitte lesen Sie das Handbuch aufmerksam durch, bevor Sie das Gerät in Betrieb nehmen, um eine optimale und sichere Nutzung zu gewährleisten.**

**Please read the manual carefully before using the appliance to ensure optimum and safe use.**

**Das aktuelle Manual finden Sie auf unserer Homepage unter [www.lcpro.de](http://www.lcpro.de)**

**The current manual can be found on our website at [www.lcpro.de](http://www.lcpro.de)**

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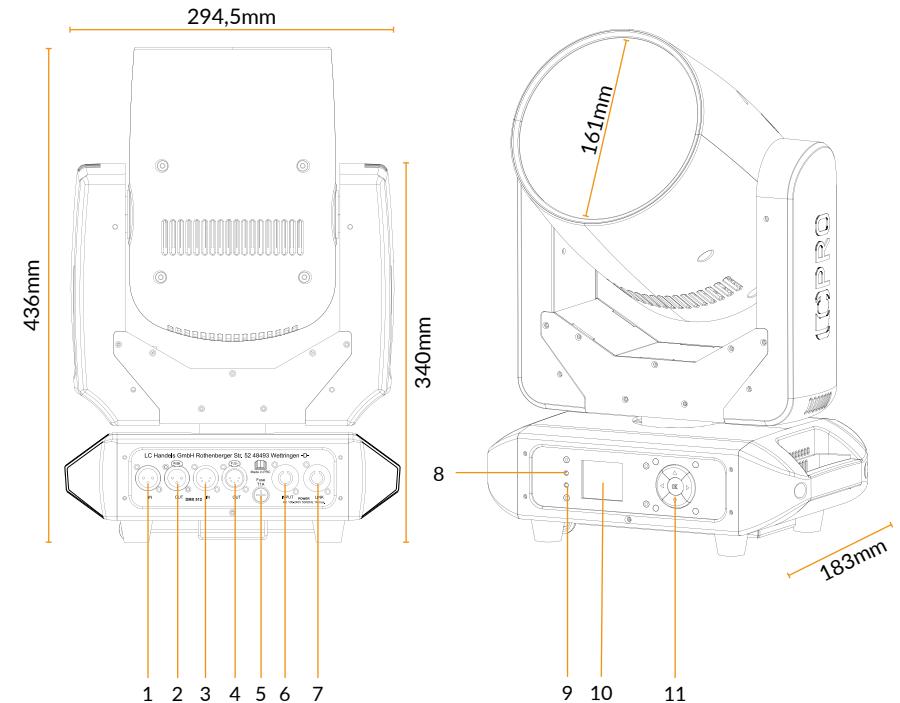
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## Package Contents

- AURON ONE20
- Power Cord
- Omega Bracket
- Safety Eyelet
- User Manual

## Dimensions



- |               |                             |                                   |
|---------------|-----------------------------|-----------------------------------|
| 1. DMX IN 3p  | 5. Pre-fuse                 | 9. Oops - The device has a fault! |
| 2. DMX OUT 3p | 6. Power In                 | 10. Display                       |
| 3. DMX IN 5p  | 7. Power Out                | 11. Display menu navigation       |
| 4. DMX OUT 5p | 8. DMX reception status LED |                                   |

# Technical Data

<b>Housing Color:</b>	Matte Black
<b>Type:</b>	Beam-Wash-FX Moving Head Light
<b>LED Configuration:</b>	120W RGBL High Power LED Engine + 24x 0.2W RGB AURON FX
<b>Beam Angle:</b>	4°–45° motorized zoom
<b>Pan / Tilt:</b>	540° / 220° (16bit, electronically corrected)
<b>Dimming Curves:</b>	Linear, Square, Inv-S, S-Curve
<b>Shutter / Strobe:</b>	High Speed 30Hz Strobe
<b>Lens:</b>	Fresnel
<b>Frost:</b>	Yes
<b>Channels / Modes:</b>	21CH / 26CH / 37CH / 109CH
<b>Control:</b>	<ul style="list-style-type: none"> <li>• DMX-512</li> <li>• Auto / Sound Mode</li> <li>• RDM Remote</li> </ul>
<b>Connections:</b>	Seetronic TR1 Power in/out + Seetronic 5-pin & 3-pin DMX in/out
<b>Display:</b>	High-resolution graphic display
<b>Fans:</b>	Dual temperature-controlled fans
<b>Protection Class:</b>	IP20
<b>Power Consumption:</b>	max. 310W, 230V 50/60Hz
<b>Fuse:</b>	T4A
<b>Weight:</b>	8,3 kg
<b>IP Rating:</b>	IP20

# Menu function:

Main Menu	Second	Third	Fourth
<b>DMX Address</b>	000 - 512		
<b>Fixture</b>	DMX Mode	21CH / 26CH / 37 CH / 109CH	
	Run Mode	DMX / Auto / Sound	
	Pan Invert	Off / On	
	Tilt Invert	Off / On	
	DMX Signal	Blackout / Hold	
	Fan Control	Auto / Silent / High	
	Dim Curve	Linear / Square (default) / Inv-S / S-Curve	
	Sound Control	1 – 99	
<b>Manual (same as 26ch mode)</b>	Pan	000 – 255	
	Pan Fine	000 – 255	
	Tilt	000 – 255	
	Tilt Fine	000 – 255	

<b>Information</b>	Time	Current Time	xxxH
		Total Time	xxxH
		Power Count	xxxx
Sensor	Pan	FALSE / TURE	
	Tilt	FALSE / TURE	
	Zoom	FALSE / TURE	
	Temp	FALSE / TURE	
	Fan	FALSE / TURE	
Temperature	Head Temp	xxxC	
	Base Temp	xxxC	
Software Version	Panel	Vx.xx	
	Motor	Vx.xx	
RDM UID	RDM UID:	0x15076AD630BE	
<b>Calibration</b>	Password	000 - 255	=110
	Pan	000 - 255	
	Tilt	000 - 255	
	Zoom	000 - 255	
	Frost	000 - 255	
	Red	000 - 255	
	Green	000 - 255	
	Blue	000 - 255	
	Lime	000 - 255	
<b>Reset</b>	Reset All	No / Yes	
	Factory	No / Yes	
<b>Display</b>	Display Flip	Off/On	
	Display Sleep	60s / On	

## DMX CHANNELS

37-CH	109-CH	FUNCTION	VALUE	DESCRIPTION
1	1	Shutter	0-19	Shutter closed
			20-49	Shutter open
			50-200	Strobe slow → fast
			201-210	Shutter open
			211-255	Random strobe slow → fast
2	2	Dimmer	000-255	Closed → Open
3	3	Dimmer Fine	000-255	Closed → Open
4	4	Red	000-255	Intensity 0 → 100%
5	5	Red Fine	000-255	Intensity 0 → 100%
6	6	Green	000-255	Intensity 0 → 100%
7	7	Green Fine	000-255	Intensity 0 → 100%
8	8	Blue	000-255	Intensity 0 → 100%
9	9	Blue Fine	000-255	Intensity 0 → 100%
000-255		Intensity 0 → 100%		
000-255		Intensity 0 → 100%		
10	10	CTC (2700-10K)	0-38	2000K
			39	2050K
			...	...

## Operation and functions

			127	6450K
			128	6500K
			129	6550K
			...	...
			255	12850K
11	11	Tint	000-255	Green Magenta Shift
12	12	Vitual Color Wheel	0-10	Open
			11-12	Moroccan Pink (LEE 790)
			13-14	Pink (LEE 157)
			15-16	Special Rose Pink (LEE 332)
			17-18	Follies Pink (LEE 328)
			19-20	Fuchsia Pink (LEE 345)
			21-22	Surprise Pink (LEE 194)
			23-24	Congo Blue (LEE 181)
			25-26	Tokyo Blue (LEE 071)
			27-28	Deep Blue (LEE 120)
			29-30	Just Blue (LEE 079)
			31-32	Medium Blue (LEE 132)
			33-34	Double CT Blue (LEE 200)

## Operation and functions

35-36	Slate Blue (LEE 161)
37-38	Full CT Blue (LEE 201)
39-40	Half CT Blue (LEE 202)
41-42	Steel Blue (LEE 117)
43-44	Lighter Blue (LEE 353)
45-46	Light Blue (LEE 118)
47-48	Medium Blue Green (LEE 116)
49-50	Dark Green (LEE 124)
51-52	Primary Green (LEE 139)
53-54	Moss Green (LEE 089)
55-56	Fern Green (LEE 122)
57-58	Jas Green (LEE 738)
59-60	Lime Green (LEE 088)
61-62	Spring Yellow (LEE 100)
63-64	Deep Amber (LEE 104)
65-66	Chrome Orange (LEE 179)

## Operation and functions

	67-68	Orange (LEE 105)
	69-70	Gold Amber (LEE 021)
	71-72	Millennium Gold (LEE 778)
	73-74	Deep Golden Amber (LEE 135)
	75-76	Flame Red (LEE 164)
	77-78	Red Magenta (LEE 113)
	79-80	Medium Lavender (LEE 343)
	81-82	Pure White (White LEDs only)
	83-84	Pure Red (Red LEDs only)
	85-86	Pure Yellow (Red + Green LEDs only)
	87-88	Pure Green (Green LEDs only)
	89-90	Pure Cyan (Green + Blue LEDs only)
	91-92	Pure Blue (Blue LEDs only)
	93-94	Pure Magenta (Blue + Red LEDs only)

## Operation and functions

	95-96	Peacock Blue (LEE 115)		
	97-98	Dark Lavender (LEE 180)		
	99-100	Double CT Orange (LEE 287)		
	101-102	Full CT Orange (LEE 204)		
	103-104	Half CT Orange (LEE 205)		
	105-106	Deep Straw (LEE 015)		
	107-190	No function		
	191-214	CW,fast->slow		
	215-219	stop		
	220-243	CCW,slow->fast		
	244-255	random colors fast->slow		
13	13	Zoom	000-255	Zoom 0%-100% (small to big)
14	14	Zoom Fine	000-255	Zoom Fine
15	15	Pan	000-255	Pan
16	16	Pan Fine	000-255	Pan Fine
17	17	Tilt	000-255	Tilt
18	18	Tilt Fine	000-255	Tilt Fine
19	19	Fixture control	0-9	Function
	10-14			Reset fixture - 5 sec.
	15-16			Empty
	17			Empty

## Operation and functions

18	Reset pan and tilt only - 5 sec.
19-22	Empty
23	Linear dimmer curve - 1 sec.
24	Square law dimmer curve (default) - 1 sec.
25	Inverse square law dimmer curve - 1 sec.
26	S-Curve dimmer curve - 1 sec.
27	Empty
28	Empty
29	Empty
30-35	Empty
36	Empty
37	Empty
38	Empty
39	Empty
40-51	Empty
52	Empty
53	Empty
54	Auto fan speed, fixed output intensity (default) - 1 sec.
55	Silent fan speed, regulated output intensity - 1 sec.

## Operation and functions

56	High fan speed, regulated output intensity- 1 sec.
57-255	Empty
20	LED PWM frequency
0	Hybrid LED dimming mode
1-127	Variable -2% - 0%
128	2400 Hz
129-254	Variable 0% - +2%
255	No function
21	Beam Mix
000-255	Reserved
22	FX 1
0	No function
1	Effect 1
2	Effect 2
3	Effect 3
4-47	No function
48	Effect 4
49	Effect 5
50	Effect 6
51	Effect 7
52	Effect 8
53	Effect 9
54	Effect 10
55	Effect 11
56	Effect 12
57	Effect 13
58-255	No function

23	23	FX 1 adjust	0-126	Reverse fast → slow
			127-129	Stop
			130-255	Slow → fast
24	24	FX 2	0	No function
			1	Effect 1
			2	Effect 2
			3	Effect 3
			Apr 47	No function
			48	Effect 4
			49	Effect 5
			50	Effect 6
			51	Effect 7
			52	Effect 8
			53	Effect 9
			54	Effect 10
			55	Effect 11
			56	Effect 12
			57	Effect 13
			58-255	No function
25	25	FX 2 adjust	0-126	Reverse fast → slow
			127-129	Stop
			130-255	Slow → fast
26	26	FX Synchronization	000-255	Reserved
27	27	Backlight shutter	0-19	Shutter closed
			20-49	Shutter open

			50-200	Strobe slow → fast
			201-210	Shutter open
			211-255	Random strobe slow → fast
28	28	Backlight dimmer	000-255	Closed → Open
29	29	Backlight dimmer Fine	000-255	Closed → Open
30	30	Backlight Red	000-255	Intensity 0 → 100%
31	31	Backlight Green	000-255	Intensity 0 → 100%
32	32	Backlight Blue	000-255	Intensity 0 → 100%
33	33	Backlight CTC	000-255	Same as Channel CTC
34	34	Backlight Tint	000-255	Same as Channel Tint
35	35	Backlight virtual color wheel	000-255	Same as Channel Virtual Color Wheel
36	36	Backlight Mix	000-255	Reserved
37		Backlight Pixel 1 Red	000-255	Intensity 0 → 100%
38		Backlight Pixel 1 Green	000-255	Intensity 0 → 100%
39		Backlight Pixel 1 Blue	000-255	Intensity 0 → 100%
40		Backlight Pixel 2 Red	000-255	Intensity 0 → 100%

## Operation and functions

41	Backlight Pixel 2 Green	000-255	Intensity 0 → 100%
42	Backlight Pixel 2 Blue	000-255	Intensity 0 → 100%
43	Backlight Pixel 3 Red	000-255	Intensity 0 → 100%
44	Backlight Pixel 3 Green	000-255	Intensity 0 → 100%
45	Backlight Pixel 3 Blue	000-255	Intensity 0 → 100%
46	Backlight Pixel 4 Red	000-255	Intensity 0 → 100%
47	Backlight Pixel 4 Green	000-255	Intensity 0 → 100%
48	Backlight Pixel 4 Blue	000-255	Intensity 0 → 100%
49	Backlight Pixel 5 Red	000-255	Intensity 0 → 100%
50	Backlight Pixel 5 Green	000-255	Intensity 0 → 100%
51	Backlight Pixel 5 Blue	000-255	Intensity 0 → 100%
52	Backlight Pixel 6 Red	000-255	Intensity 0 → 100%
53	Backlight Pixel 6 Green	000-255	Intensity 0 → 100%
54	Backlight Pixel 6 Blue	000-255	Intensity 0 → 100%
55	Backlight Pixel 7 Red	000-255	Intensity 0 → 100%
56	Backlight Pixel 7 Green	000-255	Intensity 0 → 100%

## Operation and functions

57	Backlight Pixel 7 Blue	000-255	Intensity 0 → 100%
58	Backlight Pixel 8 Red	000-255	Intensity 0 → 100%
59	Backlight Pixel 8 Green	000-255	Intensity 0 → 100%
60	Backlight Pixel 8 Blue	000-255	Intensity 0 → 100%
61	Backlight Pixel 9 Red	000-255	Intensity 0 → 100%
62	Backlight Pixel 9 Green	000-255	Intensity 0 → 100%
63	Backlight Pixel 9 Blue	000-255	Intensity 0 → 100%
64	Backlight Pixel 10 Red	000-255	Intensity 0 → 100%
65	Backlight Pi- xel 10 Green	000-255	Intensity 0 → 100%
66	Backlight Pixel 10 Blue	000-255	Intensity 0 → 100%
67	Backlight Pixel 11 Red	000-255	Intensity 0 → 100%
68	Backlight Pi- xel 11 Green	000-255	Intensity 0 → 100%
69	Backlight Pixel 11 Blue	000-255	Intensity 0 → 100%
70	Backlight Pixel 12 Red	000-255	Intensity 0 → 100%
71	Backlight Pi- xel 12 Green	000-255	Intensity 0 → 100%
72	Backlight Pixel 12 Blue	000-255	Intensity 0 → 100%

## Operation and functions

73	Backlight Pixel 13 Red	000-255	Intensity 0 → 100%
74	Backlight Pixel 13 Green	000-255	Intensity 0 → 100%
75	Backlight Pixel 13 Blue	000-255	Intensity 0 → 100%
76	Backlight Pixel 14 Red	000-255	Intensity 0 → 100%
77	Backlight Pixel 14 Green	000-255	Intensity 0 → 100%
78	Backlight Pixel 14 Blue	000-255	Intensity 0 → 100%
79	Backlight Pixel 15 Red	000-255	Intensity 0 → 100%
80	Backlight Pixel 15 Green	000-255	Intensity 0 → 100%
81	Backlight Pixel 15 Blue	000-255	Intensity 0 → 100%
82	Backlight Pixel 16 Red	000-255	Intensity 0 → 100%
83	Backlight Pixel 16 Green	000-255	Intensity 0 → 100%
84	Backlight Pixel 16 Blue	000-255	Intensity 0 → 100%
85	Backlight Pixel 17 Red	000-255	Intensity 0 → 100%
86	Backlight Pixel 17 Green	000-255	Intensity 0 → 100%
87	Backlight Pixel 17 Blue	000-255	Intensity 0 → 100%
88	Backlight Pixel 18 Red	000-255	Intensity 0 → 100%

## Operation and functions

89	Backlight Pixel 18 Green	000-255	Intensity 0 → 100%
90	Backlight Pixel 18 Blue	000-255	Intensity 0 → 100%
91	Backlight Pixel 19 Red	000-255	Intensity 0 → 100%
92	Backlight Pixel 19 Green	000-255	Intensity 0 → 100%
93	Backlight Pixel 19 Blue	000-255	Intensity 0 → 100%
94	Backlight Pixel 20 Red	000-255	Intensity 0 → 100%
95	Backlight Pixel 20 Green	000-255	Intensity 0 → 100%
96	Backlight Pixel 20 Blue	000-255	Intensity 0 → 100%
97	Backlight Pixel 21 Red	000-255	Intensity 0 → 100%
98	Backlight Pixel 21 Green	000-255	Intensity 0 → 100%
99	Backlight Pixel 21 Blue	000-255	Intensity 0 → 100%
100	Backlight Pixel 22 Red	000-255	Intensity 0 → 100%
101	Backlight Pixel 22 Green	000-255	Intensity 0 → 100%
102	Backlight Pixel 22 Blue	000-255	Intensity 0 → 100%
103	Backlight Pixel 23 Red	000-255	Intensity 0 → 100%
104	Backlight Pixel 23 Green	000-255	Intensity 0 → 100%

	105	Backlight Pixel 23 Blue	000-255	Intensity 0 → 100%
	106	Backlight Pixel 24 Red	000-255	Intensity 0 → 100%
	107	Backlight Pixel 24 Green	000-255	Intensity 0 → 100%
	108	Backlight Pixel 24 Blue	000-255	Intensity 0 → 100%
37	109	Frost Filter	000-255	Open → Frost

## 21CH Washlight Mode

21CH	FUNCTION	VALUE	DESCRIPTION
1	Shutter	0-19	Shutter closed
		20-49	Shutter open
		50-200	Strobe slow → fast
		201-210	Shutter open
		211-255	Random strobe slow → fast
2	Dimmer	000-255	Closed → Open
3	Dimmer Fine	000-255	Closed → Open
4	Red	000-255	Intensity 0 → 100%
5	Red Fine	000-255	Intensity 0 → 100%
6	Green	000-255	Intensity 0 → 100%
7	Green Fine	000-255	Intensity 0 → 100%
8	Blue	000-255	Intensity 0 → 100%
9	Blue Fine	000-255	Intensity 0 → 100%
10	Lime	000-255	Intensity 0 → 100%
11	Lime Fine	000-255	Intensity 0 → 100%
	Tint	000-255	Green Magenta Shift
12	CTC	000-009	OFF
		010-027	8700K
		028-055	7700K

		056-083	7000K
		084-111	6100K
		112-139	5700K
		140-167	5100K
		168-195	4500K
		196-223	3400K
		224-251	3000K
		252-255	2600K
13	Zoom	000-255	Zoom 0%-100% (small to big)
14	Zoom Fine	000-255	Zoom Fine
15	Pan	000-255	Pan
16	Pan Fine	000-255	Pan Fine
17	Tilt	000-255	Tilt
18	Tilt Fine	000-255	Tilt Fine
19	Fixture control	0-9	Function
		10-14	Reset fixture - 5 sec.
		15-16	Empty
		17	Empty
		18	Reset pan and tilt only - 5 sec.
		19-22	Empty
		23	Linear dimmer curve - 1 sec.
		24	Square law dimmer curve (default) - 1 sec.
		25	Inverse square law dimmer curve - 1 sec.

26	S-Curve dimmer curve - 1 sec.
27	Empty
28	Empty
29	Empty
30-35	Forst
36	Empty
37	Empty
38	Empty
39	Empty
40-51	Empty
52	Empty
53	Empty
54	Auto fan speed, fixed output intensity (default) - 1 sec.
55	Silent fan speed, regulated output intensity - 1 sec.
56	High fan speed, regulated output intensity- 1 sec.
57	Empty
58	Empty
59-60	Empty
61	Empty
62	Empty
63-64	Empty
65	Empty
66	Empty
67	Empty

		68	Empty
		69	Empty
		70	Empty
		71	Empty
		72	Empty
		73	Empty
		74	Empty
		75	Empty
		76	Empty
		77-91	Empty
		92	Empty
		93	Empty
		94-99	Empty
		100	Empty
		101	Empty
		102	Empty
		103-113	Empty
		114	Empty
		115-198	Empty
		199	Empty
		200-255	Empty
20	LED PWM frequency	0	Hybrid LED dimming mode
		1-127	Variable -2% - 0%
		128	2400 Hz
		129-254	Variable 0% - +2%
		255	No function
21	Frost	0-127	Frost off
		128-255	Frost on

## 26 CH MODE

26 CH	FUNCTION	VALUE	DESCRIPTION
1	Pan	0 - 255	Pan
2	Pan Fine	0 - 255	Pan Fine
3	Tilt	0 - 255	Tilt
4	Tilt Fine	0 - 255	Tilt Fine
5	R	0 - 255	R
6	G	0 - 255	G
7	B	0 - 255	B
8	L	0 - 255	L
9	Hue	0 - 255	Hue adjustment 0-360
10	Saturation	0 - 255	Saturation adjustment 100%-0%
11	CTC	0-9	OFF
		10-27	8700K
		28-55	7700K
		56-83	7000K
		84-111	6100K
		112-139	5700K
		140-167	5100K
		168-195	4500K
		196-223	3400K
		224-251	3000K
		252-255	2600K
12	Colour Macro	0 - 9	close
		10 - 255	Colour Macro
13	Effect	0	Close
		1 - 100	Effect1

		101-200	Effect2
		201-255	Effect3
14	R ( ring)	0 - 255	R ( ring)
15	G ( ring)	0 - 255	G ( ring)
16	B ( ring)	0 - 255	B ( ring)
17	Dimmer ( ring)	0 - 255	Dimmer ( ring)
18	Effect( ring)	0 - 15	Close
		16 - 30	Effect1
		31 - 50	Effect2
		51 - 70	Effect3
		71 - 90	Effect4
		91 - 110	Effect5
		111 - 130	Effect6
		131 - 150	Effect7
		151 - 170	Effect8
		171 - 190	Effect9
		191 - 210	Effect10
		211 - 230	Effect11
		231 - 250	Effect12
		251 - 255	Effect13
19	Effect speed( ring)	0 - 255	slow to fast
20	zoom	0 - 255	zoom
21	Frost	0 - 255	Frost
22	Strobe	0 - 3	close
		4 - 127	Strobe slow → fast
		128 - 191	Pulse strobe slow → fast
		192 - 251	Random strobe slow → fast
		252 - 255	open
23	Dimmer	0 - 255	Dimmer

24	Dimmer Fine	0 - 255	Dimmer Fine
25	Motor speed	0 - 255	fast to slow
26	Reset	0 - 25	Empty
		26 - 76	Zoom motor reset ( hold for 5 second)
		77 - 127	XY motor reset ( hold for 5 second)
		128 - 255	All motors reset ( hold for 5 second)

## 37 CH Mode

37 CH	FUNCTION	VALUE	DESCRIPTION
10	CTC	000-000	OFF
		001-038	2000K
		039-039	2050K
		040-040	2100K
		...*1	...
		054-054	2800K
		...	...
		058-058	3000K
		...	...
		062-062	3200K
		..	...
		078-078	4000K
		...	...
		088-088	4500K
		...	...
		112-112	5700K

...	...
118-118	6000K
...	...
130-255	MAX K

\*1| 1 DMX Schritt = 50K

## 109 CH Mode

109 CH	FUNCTION	VALUE	DESCRIPTION
10	CTC	000-000	OFF
		001-038	2000K
		039-039	2050K
		040-040	2100K
		...*1	...
		054-054	2800K
		...	...
		058-058	3000K
		...	...
		062-062	3200K
		...	...
		078-078	4000K
		...	...
		088-088	4500K
		...	...
		112-112	5700K
		...	...
		118-118	6000K
		...	...
		130-255	MAX K

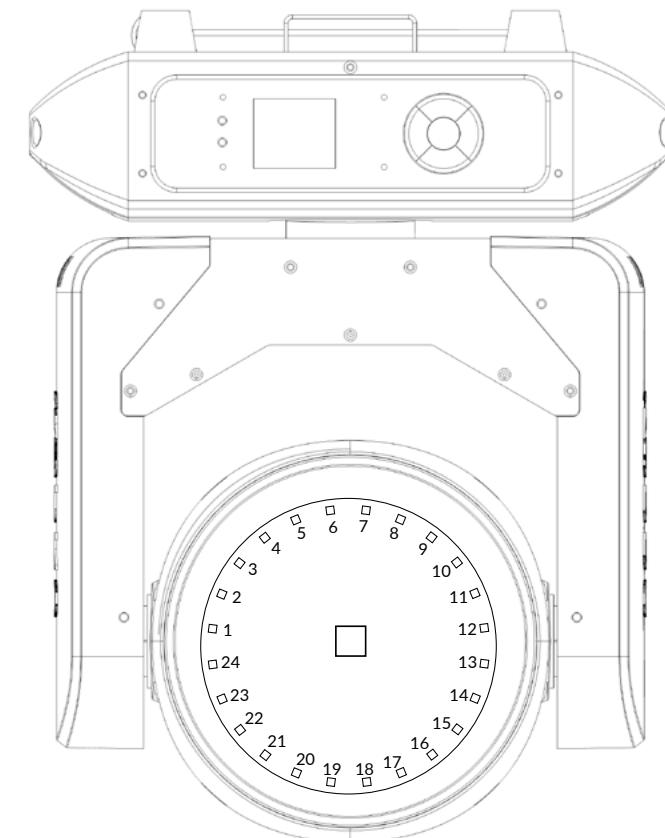
\*1| 1 DMX Schritt = 50K

## Individual control of the AURON FX LED Engine

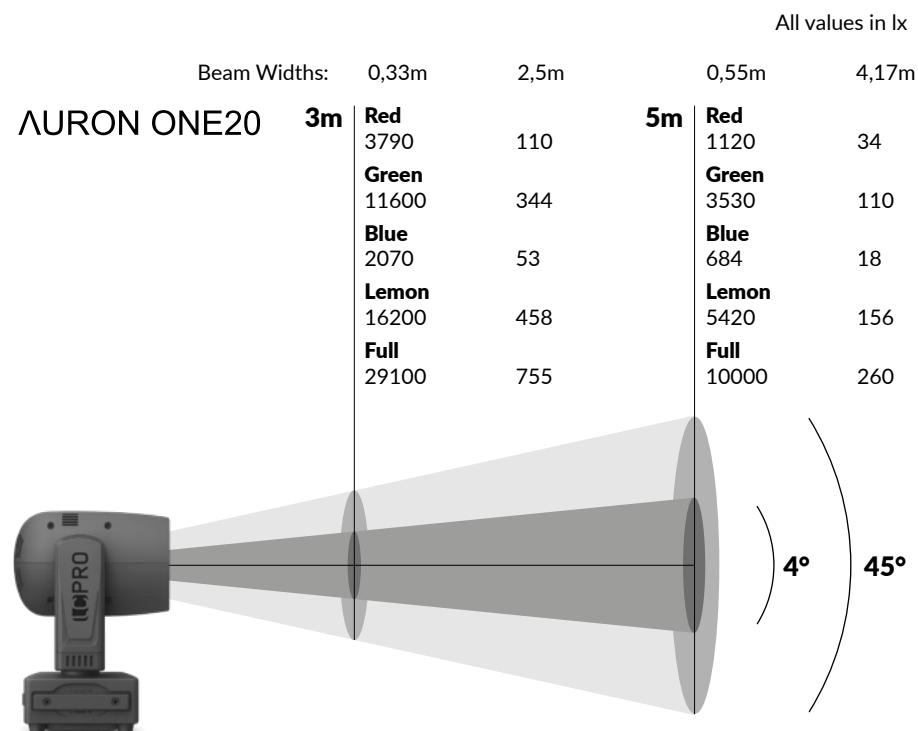
The AURON has 24x RGB pixels that can be controlled separately. The special feature of the AURON effect engine is that it permanently moves at the same distance with the zoom level (Fresnel lens) and thus always offers the same effect, regardless of the zoom range. The 24 RGB pixels can be controlled separately (109CH mode). The graphic illustrates the arrangement of pixels 1-24 in a hanging position, display facing forward, value PAN: 085 (Home) / value TILT: 128.

### NOTE:

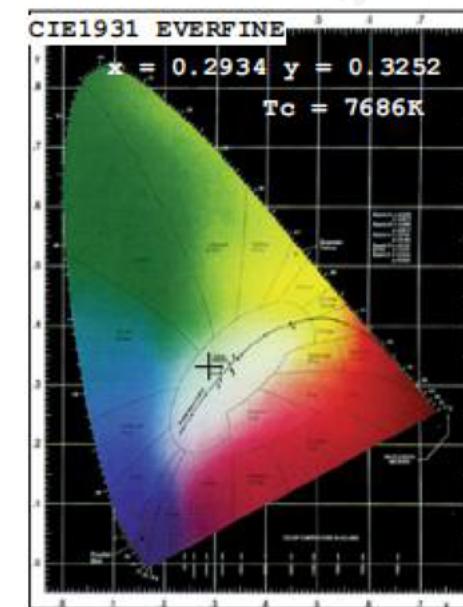
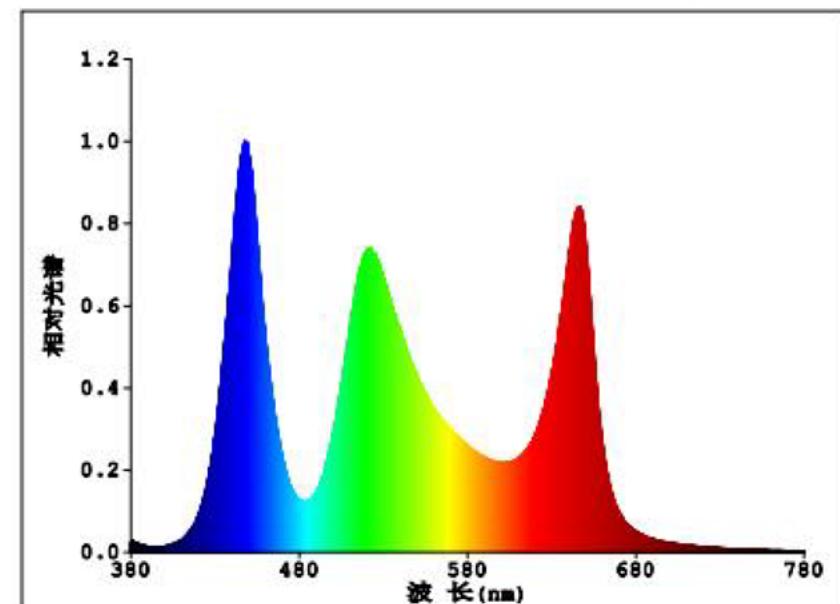
With the LCPRO Show.NODE 8, a large number of AURON ONE20 (or other devices) can be integrated into a 1Gbit network.



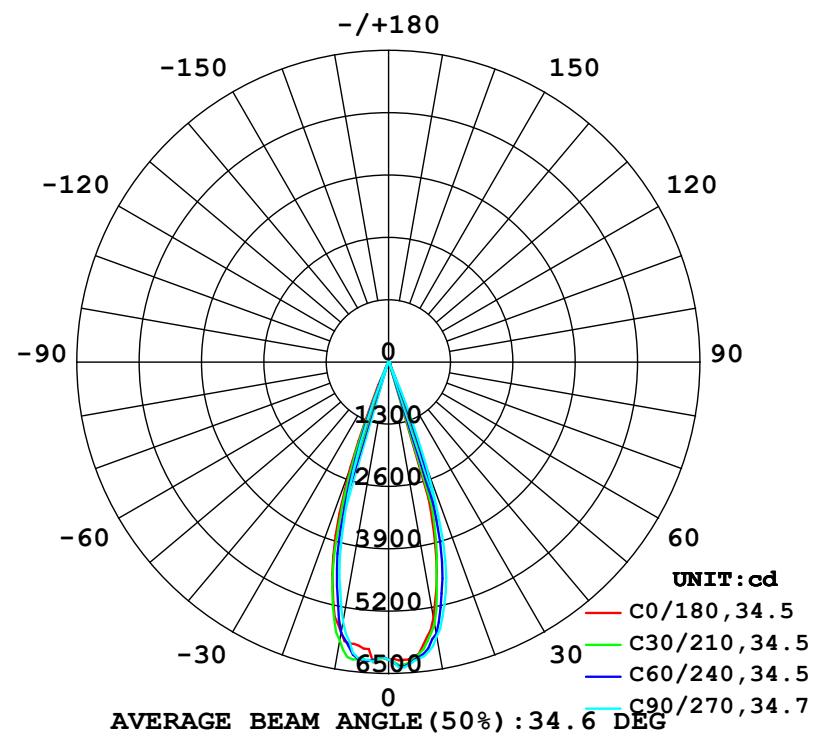
# Photometric data



(Additional goniophotometer test report data kept available upon request.)



## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



**General information**

Please read these operating instructions carefully before using the device. It is essential that you read and observe the safety instructions. The product left our warehouse in perfect condition. Avoid exposing the device to vibrations or mechanical influences. Ensure that the device is clean and free of dust. Always ensure that the connections to the power supply are correct and secure. If the device malfunctions, contact your sales partner or LCPRO Service immediately. When transporting the device, we recommend using the original packaging in which it was delivered from the factory. LCPRO products are constantly being developed and improved. We therefore reserve the right to make changes. Check regularly for software updates.

**Intended use**

This device is an electronic lighting effect with LED light source technology. This device is designed for professional applications and is not intended for use in private households. Any use that deviates from the application and operating conditions specified in the operating instructions and technical data is considered improper use. No liability is accepted for damage to persons or property resulting from improper use.

**Terms and symbols****ATTENTION**

Text, illustrations, or a combination of these highlighted with the word "Caution" indicate hazardous content in these operating instructions.

**DANGER**

The word "Danger" in combination with a symbol indicates an immediately dangerous condition or situation that poses a threat to life and limb.

**WARNING**

The word "Warning" in combination with a symbol indicates a potentially dangerous condition or situation that could cause injury or death.

**CAUTION**

The word "Caution" combined with a symbol indicates a potentially hazardous condition or situation that could result in injury.

**NOTE**

The word "Warning" in combination with a symbol or as an emphasis on text or an illustration indicates a condition or situation that is potentially hazardous to property and the environment and may result in damage to property or the environment.

**Marking of hazardous areas or dangerous situations****Marking of hazards due to electric shock****Marking of hazards due to hot surfaces**

**Attention****DANGER!**

Risk of suffocation from packaging. Plastic bags and packaging materials pose a risk of suffocation for infants and young children. Do not leave infants and young children unattended with appliances.

**DANGER!**

Choking hazard due to small parts. There is a choking hazard for infants and babies due to small parts that may come loose from the device. Do not leave infants and babies unattended with devices.

**NOTE**

The product left our factory in perfect condition. Avoid exposing the device to vibrations or mechanical influences. Ensure that the device is clean and free of dust.

**NOTE**

If the device malfunctions, contact your sales partner or LCPRO Service immediately. When transporting the device, we recommend using the original packaging in which it was delivered from the factory.

**WARNING!**

Do not operate the device if it shows obvious signs of damage!

**CAUTION!**

This device is intended for qualified users only. It is not intended for private users. Specialist knowledge of lighting and event technology is required!

**CAUTION!**

The power supply to the device must be disconnected before working on or with the device.

**DANGER!**

Risk of electric shock! There are live components inside the device. Do not open the device!

**WARNING!**

The local power supply must match the permissible power supply printed on the device!

**WARNING!**

The protective conductor must always be connected! Securing the device with a protective conductor is part of safe operation!



**DANGER!**

Danger due to electrical short circuit! The three-wire connection cables with protective contact provided for the connection must be used. Never make any changes to the connection cables! Never use damaged cables!

**CAUTION!**

Risk of crushing with moving parts! Moving parts such as brackets or other device components may cause entrapment.

**CAUTION!**

Risk of crushing due to movement of the device! Devices with motor-driven components pose a risk of injury. Sudden movements of the device can cause startle reactions!

**WARNING!**

Warning: high light intensity! Risk of eye injury! Never look directly into the light source!

**CAUTION!**

Danger for sensitive individuals! Sensitive individuals may suffer an epileptic seizure due to the flashes that the device can generate!

**WARNING!**

Danger of the device falling! Always ensure that devices are secured to suitable mountings! Always observe the applicable regulations for mounting and securing against falling!

**CAUTION!**

Risk of burns from hot surfaces! The device can reach high surface temperatures during operation!

**WARNING!**

Fire hazard due to insufficient distance to the nearest object! The minimum distance to the nearest surface or object indicated on the device must be observed! Keep away from highly flammable materials!

**CAUTION!**

Fire hazard due to covering the device! The device and especially the existing heat sinks or ventilation openings must not be covered! There is a fire hazard! Do not charge devices in closed cases. Do not operate devices in cases.

**NOTE**

The device must always be operated within the permissible operating conditions.

**NOTE**

The device should be disconnected from the power supply if it is not going to be used for a long period of time.

**NOTE**

Devices are constantly being further developed! In the event of discrepancies between the operating instructions and the device labeling regarding operating conditions, performance, or other characteristics, the information on the device always takes precedence!

**NOTE**

Wired data transmission via DMX protocol/RDM requires a suitable cable for trouble-free operation. Always use suitable DMX cables with 110 ohms!

For safe operation of data and power supply, only use the original connectors from Seetronic.

Incorrect connection to other signals can lead to errors or destruction of the device.

**NOTE**

Only devices with integrated wireless DMX / CRMX receiver/transmitter: The built-in wireless DMX / CRMX receivers/transmitters are original components from Lumenradio from the TiMo Two FX series.

Current information on operating permits, operating conditions, and legal information is available from the manufacturer at [www.lumenradio.com](http://www.lumenradio.com).

LC Handels GmbH **Batt-Reg.-Nr. DE 99390295**  
**WEEE-Reg.-Nr. DE 40398897**



### Old devices / Disposal

This device is subject to the European Directive on Waste Electrical and Electronic Equipment in its currently valid version. WEEE Directive Waste Electrical and Electronic Equipment. Old devices do not belong in household waste. The old device must be disposed of by an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country.

### Packaging material / Disposal

The packaging is made from environmentally friendly materials. It can be recycled in the normal way. Please dispose of packaging such as cardboard, plastic film, and plastic in the appropriate manner.

Please recycle packaging appropriately and do not throw it in the residual waste. Packaging is marked accordingly.

### NOTE

Our spotlight, the AURON ONE 20, is classified as IP20.  
 IP20: For indoor use only!

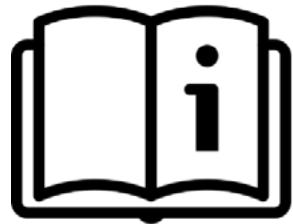
Protection against the ingress of foreign bodies with a diameter of > 12.5 mm and protection against access with a finger!

### NOTE

#### Restrictions and limitations of IP protection class specifications

An IP protection class does not generally indicate weather resistance! Factors such as ambient temperature and exposure to sunlight (especially UV rays) are not taken into account! Furthermore, device-specific measures such as covers and caps are sometimes necessary to achieve the specified protection class!

Seals in devices are made of aging materials. In order to maintain a protection class, seals and tightening torques of screw connections must be checked regularly and, if necessary, replaced in a specialist workshop!



## INTENDED USE

- Avoid shocks and any kind of external impact during installation or transport of the device.
- When choosing the installation location, make sure that the device is not exposed to excessive heat, moisture, or dust. Ensure that no cables are lying around loose. You endanger your own safety and that of others!
- The pictogram indicates the minimum distance to illuminated objects. The distance between the light outlet and the surface to be illuminated must not be less than 0.2 meters!
- When installing, dismantling, and performing maintenance work on the spotlight, ensure that the area below the installation site is cordoned off.
- The spotlight and any accessories used, such as color filter frames and shutters, must always be secured with a suitable safety cable.
- The maximum ambient temperature must never be exceeded. The maximum permissible ambient temperature is printed on the housing.
- Only start operating the device once you have familiarized yourself with its functions. Do not allow persons who are unfamiliar with the device to operate it.
- Always cover unused connectors with the rubber cap. If the rubber cap is lost, it must be replaced immediately with an original rubber cap (Seetronic).
- The pressure equalization valve on the rear of the device and/or in the base is important for proper operation. To ensure this, always keep it clean.

- Only use connectors from Seetronic SAC3FX/MX.
- The long service life specified for the LEDs used refers exclusively to the LEDs, not to all other electronic and mechanical components, which are subject to a different aging process depending on use and continuous operation at mains voltage.
- Under certain climatic conditions, such as severe temperature fluctuations, slight moisture formation may occur inside the device (front glass, display). This is not a quality defect! The humidity inside the device is removed during operation via the pressure equalization membrane. If there is excessive moisture formation inside the device, this may be due to wear parts such as seals or a general technical defect. Regular inspection, at least once a year, and replacement of wear parts as necessary will ensure long-term operation of the device. Maintenance and service may only be carried out by authorized service partners.

## MONTAGE

Bei der Montage des Scheinwerfers sind spezifische Bestimmungen wie die DGUV V17/18 (vormals BGV C1) oder auch länderspezifische Baurichtlinien zu beachten.

- Die Montage darf nur durch qualifizierte Personen erfolgen!
- Die Aufhängevorrichtung des Scheinwerfers muss so gebaut und bemessen sein, dass sie eine Stunde lang ohne dauernde und schädliche Deformation das 10-fache der Nutzlast aushalten kann.
- Die Installation muss immer mit einer zweiten, unabhängigen Aufhängung, z. B. einem Sicherungsseil erfolgen. Die zweite Aufhängung muss so beschaffen und angebracht sein, dass im Falle eines Fehlers an der Hauptaufhängung kein Teil der Installation herabfallen kann.
- Während der Installation ist der unnötige Aufenthalt im Gefahrenbereich unterhalb der Installation verboten.
- Der Installateur hat dafür zu sorgen, dass sicherheitstechnische und maschinentechnische Einrichtungen vor der ersten Inbetriebnahme und nach wesentlichen Änderungen vor der Wiederinbetriebnahme durch Sachverständige überprüft werden.
- Der Installateur hat dafür Sorge zu tragen, dass sicherheitstechnische und maschinentechnische Einrichtungen mindestens einmal jährlich durch einen Sachkundigen geprüft werden.
- Der Installateur hat dafür Sorge zu tragen, dass sicherheitstechnische und maschinentechnische Einrichtungen mindestens alle vier Jahre durch einen Sachverständigen im Umfang der Abnahmefrüfung geprüft werden.
- Der Scheinwerfer sollte idealerweise außerhalb des Aufenthaltsbereiches von Personen installiert werden

## ACHTUNG!

Überkopfmontage erfordert ein hohes Maß an Erfahrung. Dies beinhaltet (aber beschränkt sich nicht allein auf) Berechnung und Definition der Tragfähigkeit, verwendetes Installationsmaterial und regelmäßige Sicherheitsinspektionen des verwendeten Materials und des Scheinwerfers. Versuchen Sie niemals die Installation selbst vorzunehmen, wenn Sie nicht über eine solche Qualifikation verfügen, sondern beauftragen Sie einen professionellen Installateur. Unsachgemäße Installationen können zu Verletzungen und/oder zur Beschädigung von Eigentum führen.

- Der Scheinwerfer muss außerhalb der Reichweite von Personen installiert werden.
- Wenn der Scheinwerfer von der Decke oder hochliegenden Trägern etc. abgehängt werden soll, muss immer mit Traversensystemen oder ähnlichen zugelassenen Aufhängungen gearbeitet werden. Der Scheinwerfer darf niemals frei schwingend im Raum befestigt werden.

## ACHTUNG!

Scheinwerfer können beim Herabstürzen erhebliche Verletzungen herbeiführen! Wenn Sie Zweifel an der Sicherheit einer möglichen Installationsform haben, installieren Sie den Scheinwerfer NICHT!

- Vergewissern Sie sich vor der Montage, dass die Montagefläche mindestens die 10-fache Punktbelastung des Eigengewichtes des Scheinwerfers aushalten kann

## ACHTUNG!

Achten Sie bei der Installation auf die angegebenen Sicherheitsabstände zu brennbaren Materialien!

- Befestigen Sie den Scheinwerfer an dem Basement über das mitgelieferte Omega Montagebracket, für eine zügige wiederkehrende Montage.
- Sichern Sie den Scheinwerfer bei Überkopfmontage immer mit einem Sicherungsseil, das mindestens für das 12-fache Eigengewicht zugelassen ist. Es dürfen nur Sicherungsseile mit zugelassenen Verbindungsgliedern eingesetzt werden. Hängen Sie das Sicherungsseil in die dafür vorgesehene Öse ein und führen Sie es um die Traverse oder einen vergleichbaren, sicheren Befestigungspunkt. Achten Sie darauf, das Verbindungsglied entsprechend der ges. Bestimmungen zu verschließen.



## ELECTRICAL CONNECTION

Connection to the power supply must only be carried out by qualified personnel.

- Connect the device to the power supply. Ensure that the power specifications match.
- The protective conductor must be connected throughout the entire installation!

### ATTENTION!

Before initial commissioning, the installation must be checked by an expert!

## CLEANING AND MAINTENANCE

The installer must ensure that safety and mechanical equipment is inspected by a qualified person at least once a year. The installer must ensure that safety and mechanical equipment is inspected by an expert at least every four years to the extent of the acceptance test. Among other things, attention must be paid to the following points:

- All screws used to assemble the device or device parts must be tightened securely and must not be corroded.
- No visible deformations may be present on the housing, fastenings, or mounting location (ceiling, suspension, crossbeam).
- The electrical connection cables must not show any signs of damage, material aging (e.g., porous cables), or deposits. Additional regulations specific to the respective location and use must be observed by a qualified installer, and any safety defects must be rectified.

- Always cover unused connectors with the rubber cap. If the rubber cap is lost, it must be replaced immediately with an original rubber cap.
- The pressure equalization valve on the back of the device is important for proper operation. To ensure this, always keep it clean.
- To ensure proper operation of the touch display and its controls, always keep it clean.

### ATTENTION!

Ensure that the connection to the power source is completely disconnected while working on the device. Be sure to unplug the power cord!

- There are no parts inside the device that require maintenance, except for seals. Maintenance and service may only be carried out by authorized service partners.
- Only use original spare parts!

### NOTE!

If you have any questions, please contact your specialist dealer or LCPRO support.



### Konformitätserklärung

im Sinne der Richtlinie: 2014/35/EU Niederspannungsrichtlinie,

(Richtlinie 2014/35/EU des Europäischen Parlaments und des Rates vom 26.02.2014 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen)

im Sinne der Richtlinie: 2014/30/EU Elektromagnetische Verträglichkeit

(Richtlinie 2014/30/EU des Europäischen Parlaments und des Rates vom 26.02.2014 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit)

im Sinne der Richtlinie: 2014/53/EU Funkgeräterichtlinie

(Richtlinie 2014/53/EU des europäischen Parlamentes und des Rates vom 16. April 2014 über die Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung von Funkanlagen auf dem Markt und zur Aufhebung der Richtlinie 1999/5/EG)

Der Hersteller,

**LC Handels GmbH | Rothenberger Str. 52 | 48493 Wettringen**

erklärt, dass das Produkt:

**LC PRO | AURON ONE20 mit und ohne W-DMX Empfänger**

den wesentlichen Schutzanforderungen der Richtlinien entspricht. Es wurden folgende Normen zur Konformitätsbewertung herangezogen:

#### Aussendung - Anforderungen gemäß

EN 55032:2015

#### Leitungsgeführte Störaussendung

EN 55032:2015

#### Abstrahlungen

EN 55032:2015

#### Oberschwingungsströme

EN 61000-3-2:2015

#### Flicker

EN 61000-3-3:2013

#### Störfestigkeit - Anforderungen gemäß

EN 61000-6-2:2005

EN 61000-4-2:2009

EN 61000-4-3:2006 +A1:2008 +A2:2010

EN 61000-4-4:2012

EN 61000-4-5:2006

EN 61000-4-6:2014

EN 61000-4-8:2010

EN 61000-4-11:2004

#### Einrichtungen der Informationstechnik, Funkstöreigenschaften -

#### Grenzwerte und Messverfahren - Grenzwertklasse A

Einrichtungen der Informationstechnik, Funkstöreigenschaften - Grenzwerte und Messverfahren - Grenzwertklasse A

Einrichtungen der Informationstechnik, Funkstöreigenschaften - Grenzwerte und Messverfahren - Grenzwertklasse A

Elektromagnetische Verträglichkeit

Teil 3-2: Grenzwerte, Prüfung von Oberschwingungsströmen

(für Geräte mit einem Eingangsstrom < 16A pro Phase)

Elektromagnetische Verträglichkeit (EMV)

Teil 3-3: Grenzwerte, Begrenzung von Spannungsänderungen,

Spannungsschwankungen und Flicker in Niederspannungsnetzen (für Geräte mit einem Eingangsstrom < 16A pro Phase)

Elektromagnetische Verträglichkeit (EMV) - Teil 6-2: Fachgrundnorm –

Störfestigkeit Industriebereich

Teil 4-2: Störfestigkeit gegen Entladung statischer Elektrizität

Teil 4-3: Störfestigkeit gegen hochfrequente elektromagnetische Felder

Teil 4-4: Störfestigkeit gegen schnelle transiente elektrische Störgrößen (Burst)

Teil 4-5: Störspannungen gegen Stoßspannungen (Surge)

Teil 4-6: Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch HF

Teil 4-8: Störfestigkeit gegen Magnetfelder mit energietechnischen Frequenzen

Teil 4-11: Störfestigkeit gegen Spannungseinbrüche,

Kurzzeitunterbrechungen und Spannungsschwankungen

#### Geräte mit eingebautem W-DMX

EN 62311:2008

EN 60950-1:2006+A11:2009

+A1:2010+A12:2011+A2:2013

Draft ETSI EN 301 489-1 V2.2.0

Draft ETSI EN 301 489-17 V3.2.0

ETSI EN 300 328 V2.1.1

Bewertung von elektrischen und elektronischen Einrichtungen in Bezug auf Begrenzungen der Exposition von Personen in elektromagnetischen Feldern (0 Hz bis 300 GHz)

Einrichtungen der Informationstechnik - Sicherheit

Elektromagnetische Verträglichkeit; Standard für Funkausrüstung und - Dienste

Breitband-Übertragungssysteme - Datenübertragungsgeräte, die im 2,4-GHz-ISM-Band arbeiten und Breitband-Modulationstechniken verwenden



Wettringen, den 03. Juli 2025

We hope you enjoy your new devices and thank you for purchasing LCPRO® products.

LCPRO® is a registered brand of:

**LC Handels GmbH**  
Rothenberger Str. 52  
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Subject to technical changes and software changes!  
Always use the latest software  
and the latest manual !