

# 450 Series

## 450W Profile

(ver. 2020/06)



### SOURCE

- 450W LED ARRAY
- Source life expectancy: > 50.000 h

	Luminous flux			Colour rendering		
	ZN	ZS	ZW	CRI	TLCI	TM-30
6C*	-	-	-	>94	92	94
RGBW	-	8'441 lm	9'944 lm	>85	90	90
TW	-	12'410 lm	12'756 lm	>94	92	93
WW	-	12'047 lm	12'387 lm	>95	92	93
CW	-	12'652 lm	13'002 lm			

\*6C: Red Green Blue Amber Cyan Lime

### SOFTWARE FUNCTIONS

- ESD: 8 or 16bit extra soft dimming
- 3 selectable dimmer curves
- Adjustable delay in turning on and off
- PWM LED 500Hz-20KHz
- Amber shift (6C)
- ± Green (6C)
- Color boost (6C, RGBW, TW)
- Calibration function (6C, RGBW, TW)
- Service channel
- Stand-alone
- Master Slave
- Hour-counter on single LED
- Storage and factory recovery
- Upgradable Firmware via DMX/USB tool
- Advanced remote settings for all parameters via DMX

### CONTROL

- Protocols: DMX512, RDM
- Local potentiometer
- Reversible graphics display with standby-shutdown function
- Wireless ready

	DMX Channels
WHITE	1 / 3 / 6 ch
TW	2 / 5 / 9 ch
RGBW	3 / 6 / 7 / 16 ch
6C	3 / 6 / 7 / 8 / 9 / 21 ch

### THERMAL MANAGEMENT

- Wide ventilation slots for better LED cooling with selectable fan speed in: "standard", "silent" and "auto" or DMX regulated
- High efficiency heat pipe cooling system
- No heat load from LED engine towards electronic and vice-versa avoiding the risk of failure due to overheating
- Ta max 40°C

### OPTICS

- High-quality glass lens optics - AR coating
- Focus: manual
- Gobo size: A or B

	Beam
ZN	08°-19°
ZS	14°-30°
ZW	24°-44°

### PRESETS

- 45-GEL FILTER (6C, RGBW)
- CCT 2700-8000K (6C, RGBW, TW)
- 10 CUSTOM PRESETS (6C, RGBW, TW)

### HOUSING

- Highly resistant body in extruded and die cast aluminum
- Finishing: Black
- IP 20

### ELECTRICAL

- Power supply: 100-240 V – 50/60 Hz
- Power consumption: 500 W
- PF>0.94/230VAC PF>0.98/115VAC at full load

### CONNECTION

- Power connector: Chassis PowerCON TRUE1 In/Out
- Additional cable: 2m H05RN-F cable with powerCON TRUE1 female cable connector
- DMX: XLR 5-pole In/Out panel connectors

### OPTIONS

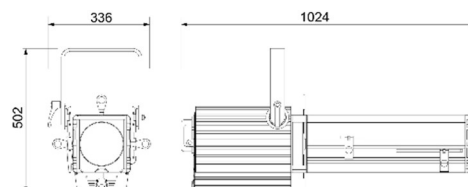
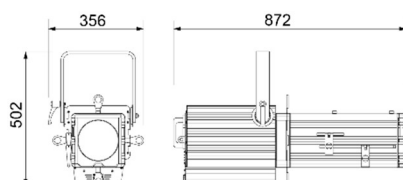
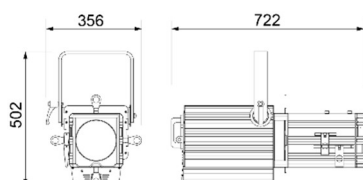
- Pole Operated Yokes
- ARC Motorized Yokes DMX 512

### COMPLIANCE

- CE
- EN 60598-1; EN 60598-2-17
- SSL Licensing Program
- Manufactured in Italy with Quality System ISO 9001:2015

### DIMENSIONS

ZN	20.0 Kg	502*356*1024 mm
ZS	19.0 Kg	502*356*872 mm
ZW	18.0 Kg	502*356*722 mm



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### DMX chart

	WHITE			TUNABLE WHITE		
	1CH	3CH	6CH	EASY	SPLIT	FULL
	8 BIT	8 BIT	16 BIT	8 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
2 ch		STROBO	DIMMER FINE	CCT	WW	DIMMER FINE
3 ch		SERVICE	DELAY		CW	CCT
4 ch			FAN		STROBO	WW +/-
5 ch			STROBO		SERVICE	CW +/-
6 ch			SERVICE			DELAY
7 ch						FAN
8 ch						STROBO
9 ch						SERVICE

	RGBW				
	EASY	HSI	CMY	RGBW	FULL
	8 BIT	8 BIT	8 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
2 ch	CCT	HUE	CYAN	RED	DIMMER FINE
3 ch	COLOUR PRESET	HUE FINE	MAGENTA	GREEN	RED
4 ch		SATURATION	YELLOW	BLUE	RED FINE
5 ch		STROBO	STROBO	WHITE	GREEN
6 ch		SERVICE	SERVICE	STROBO	GREEN FINE
7 ch				SERVICE	BLUE
8 ch					BLUE FINE
9 ch					WHITE
10 ch					WHITE FINE
11 ch					CCT
12 ch					COLOUR PRESET
13 ch					DELAY
14 ch					FAN
15 ch					STROBO
16 ch					SERVICE

	RGBACL						
	EASY	CMY	RGB	HSI	RGBACL	THEATER	FULL
	8 BIT	8 BIT	8 BIT	8 BIT	8 BIT	16 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
2 ch	CCT	CYAN	RED	HUE	RED	DIMMER FINE	DIMMER FINE
3 ch	COLOUR PRESET	MAGENTA	GREEN	HUE FINE	GREEN	CCT	RED
4 ch		YELLOW	BLUE	SATURATION	BLUE	+/- GREEN	RED FINE
5 ch		STROBO	STROBO	CCT	AMBER	DELAY	GREEN
6 ch		SERVICE	SERVICE	STROBO	CYAN	FAN	GREEN FINE
7 ch				SERVICE	LIME	STROBO	BLUE
8 ch					STROBO	SERVICE	BLUE FINE
9 ch					SERVICE		AMBER
10 ch							AMBER FINE
11 ch							CYAN
12 ch							CYAN FINE
13 ch							LIME
14 ch							LIME FINE
15 ch							COLOUR PRESET
16 ch							CCT
17 ch							+/- GREEN
18 ch							DELAY
19 ch							FAN
20 ch							STROBO
21 ch							SERVICE

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4 m	6 m	8 m	10 m	12 m
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Model	Type	CT	CRI	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	(measure at)
PR LED 450 ZS	WW	3000K	95	14°	11210	1,2	2803	2,4	1246	3,7	701	4,9	448	6,1	3000K
				30°	2890	2,7	723	5,3	321	8,0	181	10,6	116	13,3	
	CW	5600K	95	14°	11771	1,2	2943	2,4	1308	3,7	736	4,9	471	6,1	5600K
				30°	3035	2,7	759	5,3	337	8,0	190	10,6	121	13,3	
	TW	2700-6500K	95	14°	11546	1,2	2887	2,4	1283	3,7	722	4,9	462	6,1	5600K
				30°	2977	2,7	744	5,3	331	8,0	186	10,6	119	13,3	
	RGBW	2700-8000K	85	14°	8532	1,2	2133	2,4	948	3,7	533	4,9	341	6,1	Full Ch
				30°	2025	2,7	506	5,3	225	8,0	127	10,6	81	13,3	
PR LED 450 ZW	WW	3000K	95	24°	3710	2,1	928	4,2	412	6,3	232	8,4	148	10,6	3000K
				44°	1308	4,0	327	8,0	145	12,0	82	16,0	52	20,0	
	CW	5600K	95	25°	3896	2,2	974	4,4	433	6,6	244	8,8	156	11,0	5600K
				50°	1373	4,6	343	9,3	153	13,9	86	18,5	55	23,1	
	TW	2700-6500K	95	25°	3821	2,2	955	4,4	425	6,6	239	8,8	153	11,0	5600K
				50°	1347	4,6	337	9,3	150	13,9	84	18,5	54	23,1	
	RGBW	2700-8000K	85	25°	3015	2,2	754	4,4	335	6,6	188	8,8	121	11,0	Full Ch
				50°	1050	4,6	263	9,3	117	13,9	66	18,5	42	23,1	