Hyperion Series
200W Fresnel, PC, Profile
(ver. 2023/02)

SOURCE
- 200W LED
- Source life expectancy: > 50.000 h
- Note: for Luminous flux and Colour rendering refer to the table at the end of this document

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

	DMX Channels
WHITE	1 / 2 / 3 ch
TW	2 / 5 / 9 / 10 ch
RGBW	3 / 6/ 7 / 16 ch
6C	3 / 6 / 7 / 8 / 9 / 21 / 22 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
- 150mm High-quality glass lens optics – AR coating
- Focus: manual
- Gobo size: B (Profile)
- Compatible with fixed optics (Profile)

Note: for Beam angles refer to the table at the end of this document

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

HOUSING
- Highly resistant body in extruded aluminum and techno-polymer body
- Finishing: Black
- IP 20

ELECTRICAL
- Power supply: 100-240 V – 50/60 Hz
- Power consumption 200 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
- Market-standard fixed optics adaptor

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

DIMENSIONS

FN	6.0 Kg	35*30*36 cm
PC	6.0 Kg	35*30*36 cm
PR (ZS)	11.5 Kg	47*34*76 cm
PR (ZW)	10.9 Kg	47*34*64 cm

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(ver. 2023/02)

DMX chart

	WHITE		
	1CH	2CH	3CH
	8 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER
2 ch		STROBO	DIMMER FINE
3 ch			STROBO
4 ch			
5 ch			
6 ch			
7 ch			
8 ch			
9 ch			
10 ch			

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

Hyperion Series

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(ver. 2023/02)

Model	Type	CT	(measure at)	CRI	TLCI	TM-30	Lumen	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
FN HY LED 200	WW	3000K	3000K	97	97	94	10.877	14°	3.975	1,0	1.767	1,5	994	2,0	636	2,4	442	2,9	63.600
								81°	388	6,8	172	10,1	97	13,5	62	16,9	43	20,3	6.200
	NW	4000K	4000K				11.486	14°	4.198	1,0	1.866	1,5	1.049	2,0	672	2,4	466	2,9	67.163
								81°	409	6,8	182	10,1	102	13,5	65	16,9	45	20,3	6.547
	CW	5600K	5600K				13.401	14°	4.897	1,0	2.177	1,5	1.224	2,0	784	2,4	544	2,9	78.356
								81°	477	6,8	212	10,1	119	13,5	76	16,9	53	20,3	7.639
	TW	2700-6500K	4000K	95	92	93	6.530	13°	5.594	0,9	2.486	1,4	1.398	1,8	895	2,3	622	2,7	89.500
								50°	1.150	3,7	511	5,6	288	7,4	184	9,3	128	11,1	18.400
	RGBW	2700-8000K	Full Ch	85	90	90	4.506	13°	3.775	0,9	1.678	1,4	944	1,8	604	2,3	419	2,7	60.400
								50°	850	3,7	378	5,6	213	7,4	136	9,3	94	11,1	13.600
	6C	1500-20000K	Full Ch	94	92	94	5.224	13°	4.475	0,9	1.989	1,4	1.119	1,8	716	2,3	497	2,7	71.600
								50°	920	3,7	409	5,6	230	7,4	147	9,3	102	11,1	14.720
									4 m		6 m		8 m		10 m		12 m		

Model	Type	CT	(measure at)	CRI	TLCI	TM-30	Lumen	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
PC HY LED 200	WW	3000K	3000K	97	97	94	10.555	16°	2.170	1,1	964	1,7	543	2,2	347	2,8	241	3,3	34.720
								87°	378	7,5	168	11,3	94	15,0	60	18,8	42	22,5	6.040
	NW	4000K	4000K				11.146	16°	2.292	1,1	1.018	1,7	573	2,2	367	2,8	255	3,3	36.665
								87°	399	7,5	177	11,3	100	15,0	64	18,8	44	22,5	6.378
	CW	5600K	5600K				13.004	16°	2.673	1,1	1.188	1,7	668	2,2	428	2,8	297	3,3	42.776
								87°	465	7,5	207	11,3	116	15,0	74	18,8	52	22,5	7.441
	TW	2700-6500K	4000K	95	92	93	5.991	15°	3.844	1,0	1.708	1,6	961	2,1	615	2,6	427	3,1	61.500
								50°	847	3,7	376	5,6	212	7,4	136	9,3	94	11,1	13.550
	RGBW	2700-8000K	Full Ch	85	90	90	4.425	15°	2.750	1,0	1.222	1,6	688	2,1	440	2,6	306	3,1	44.000
								50°	653	3,7	290	5,6	163	7,4	104	9,3	73	11,1	10.440
	6C	1500-20000K	Full Ch	94	92	94	4.793	15°	3.075	1,0	1.367	1,6	769	2,1	492	2,6	342	3,1	49.200
								50°	678	3,7	301	5,6	169	7,4	108	9,3	75	11,1	10.840
									4 m		6 m		8 m		10 m		12 m		

Model	Type	CT	(measure at)	CRI	TLCI	TM-30	Lumen	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
PR HY LED 200 ZS	WW	3000K	3000K	97	97	94	3.471	15°	6.550	1,0	2.911	1,6	1.638	2,1	1.048	2,6	728	3,1	104.800
								30°	2.295	2,1	1.020	3,2	574	4,3	367	5,3	255	6,4	36.720
	NW	4000K	4000K				3.665	15°	6.917	1,0	3.074	1,6	1.729	2,1	1.107	2,6	769	3,1	110.672
								30°	2.424	2,1	1.077	3,2	606	4,3	388	5,3	269	6,4	38.777
	CW	5600K	5600K				4.276	15°	8.070	1,0	3.587	1,6	2.017	2,1	1.291	2,6	897	3,1	129.115
								30°	2.827	2,1	1.257	3,2	707	4,3	452	5,3	314	6,4	45.240
	TW	2700-6500K	4000K	95	92	93	3.874	15°	6.997	1,0	3.110	1,6	1.749	2,1	1.120	2,6	777	3,1	111.950
								30°	2.072	2,1	921	3,2	518	4,3	332	5,3	230	6,4	33.150
	RGBW	2700-8000K	Full Ch	85	90	90	2.944	15°	5.318	1,0	2.363	1,6	1.329	2,1	851	2,6	591	3,1	85.082
								30°	1.575	2,1	700	3,2	394	4,3	252	5,3	175	6,4	25.194
	6C	1500-20000K	Full Ch	94	92	94	3.099	15°	5.598	1,0	2.488	1,6	1.399	2,1	896	2,6	622	3,1	89.560
								30°	1.658	2,1	737	3,2	414	4,3	265	5,3	184	6,4	26.520
PR HY LED 200 ZW	WW	3000K	3000K	97	97	94	3.647	25°	3.900	1,8	1.733	2,6	975	3,5	624	4,4	433	5,3	62.400
								50°	1.358	3,7	603	5,6	339	7,4	217	9,3	151	11,1	21.720
	NW	4000K	4000K				3.851	25°	4.119	1,8	1.830	2,6	1.030	3,5	659	4,4	458	5,3	65.896
								50°	1.434	3,7	637	5,6	358	7,4	229	9,3	159	11,1	22.937
	CW	5600K	5600K				4.493	25°	4.805	1,8	2.135	2,6	1.201	3,5	769	4,4	534	5,3	76.878
								50°	1.672	3,7	743	5,6	418	7,4	268	9,3	186	11,1	26.759
	TW	2700-6500K	4000K	95	92	93	4.233	25°	4.176	1,8	1.856	2,6	1.044	3,5	668	4,4	464	5,3	66.820
								50°	1.320	3,7	586	5,6	330	7,4	211	9,3	147	11,1	21.112
	RGBW	2700-8000K	Full Ch	85	90	90	3.093	25°	3.052	1,8	1.356	2,6	763	3,5	488	4,4	339	5,3	48.830
								50°	964	3,7	429	5,6	241	7,4	154	9,3	107	11,1	15.428
	6C	1500-20000K	Full Ch	94	92	94	3.256	25°	3.213	1,8	1.428	2,6	803	3,5	514	4,4	357	5,3	51.400
								50°	1.015	3,7	451	5,6	254	7,4	162	9,3	113	11,1	16.240
									4 m		6 m		8 m		10 m		12 m		

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NOISE LEVEL DATA (silent mode)

Test conditions during measurements:

Temperature: 22°C
Relative humidity: 79%
Radius of spherical measuring surface: 2m

Test in hemi-anechoic room

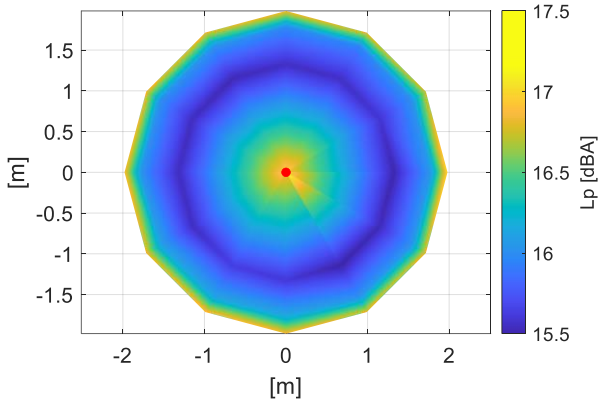
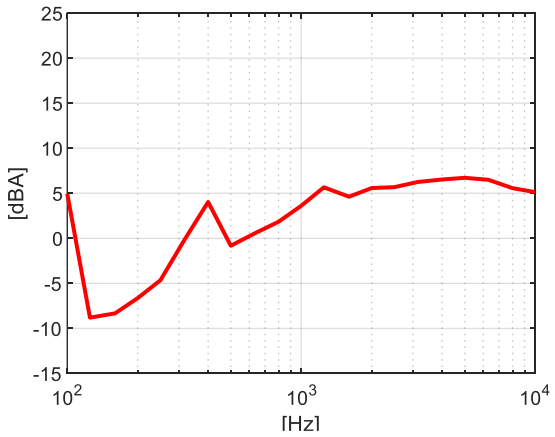
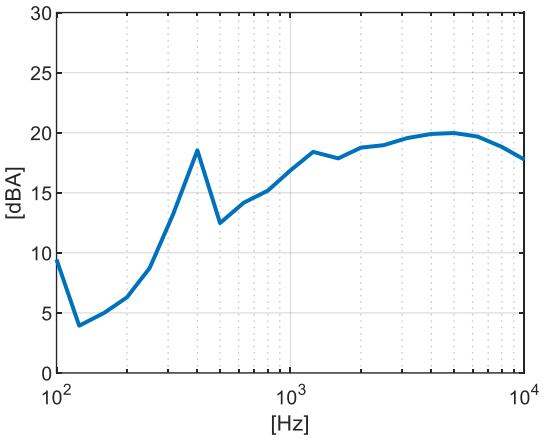


Diagram of Sound Pressure level L_P [dBA], the red point identifies the direction of maximum noise emission [1]



Sound pressure level spectrum [dBA] measured at maximum noise emission point



Sound power level spectrum L_{WA} [dBA]

Total sound pressure level L_P (0.1 – 10 kHz, ref. 2 ×10^{-5} Pa) at different distances[2]:

Distance	1 m	2 m	4 m	6 m
Sound pressure level LP	23.1 dBA	17.1 dBA	11.1 dBA	7.6 dBA

The total sound power level L_{WA} is equal to **30.2 dBA** (0.1 – 10 kHz, ref. 1 ×10^{-12} W).

[1]The positive direction of X axis corresponds to the spotlight central axis and points in the direction of light emission

[2]Estimated Sound Pressure levels starting from the one measured at the point of maximum noise emissions at 2 m.

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