

Serie Lucciola	Serie Architectural	Serie Halled	Serie Hyperion						Serie Cyclorama
30W Pinspot	50W Fresnel, PC, Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama

SOURCE

- [FRESNEL and PC Profile](#)
- **100W LED COB**
- For **LUMINOUS FLUX** and **COLOR RENDERING INDEX (CRI)** refer to the related table

HOUSING

- Highly resistant body in **extruded aluminum** and **techno-polymer** body
- **IP 20**
- Finishing: **black (other RAL color on request)**

ELECTRICAL

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

THERMAL MANAGEMENT

- Wide ventilation slots for better LED cooling with 3 selectable FAN MODE
- High efficiency heat pipe cooling system
- Ta max 40°C

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

OPTICS

- **120mm high-quality glass lens / AR coating (PC)**
- **110mm high-quality glass lens / AR coating (Fresnel, Profile)**
- Focus: manual
- Gobo size: M or B (only for Profile)
- For beam angles refer to the related table

OPTIONS

- Pole Operated yokes
- ARC Motorized yokes

COMPLIANCE

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

What is in the box

- Fixture
- 2m H05RN-F cable with powerCON TRUE1 female cable connector
- Safety instructions

SOFTWARE FUNCTIONS

- **ESD**: 8bit or 16bit
- Up to 6 **DIMMING CURVE Mark-II**
- **LED DELAY**: from 0 to 2000ms
- **AMBER SHIFT**, in combination whit HALO dimming curve and LED delay, in order to emulate the performances of a halogen lamp (only for 6C version)
- PWM LED 500Hz-20KHz
- **± GREEN** in order to guarantee a fine adjustment of green component of CCT (only for 6C version)
- **OUTPUT FREQUENCY** in order to remove flickering
- **LED BOOST** in order to increase +20% the light output of a fixture when for a tint or CCT when not all LED channels are at full
- **FAN MODE**: selectable from fixture (AUTO, STANDARD, SILENT) or remote from DMX
- **LED CALIBRATION** in order to adjust the tints of a group of fixtures when/ff they aren't aligned, despite being set with the same DMX values (only for RGBW, 6C versions)
- **SERVICE CHANNEL** in order to control all the settings that are normally set from the fixture by using a console
- **STAND-ALONE** and **MASTER AND SLAVE** in order to control one or more fixtures without using a console, creating one or multi scenes
- **DISPLAY ROTATION** and **DISPLAY ON/OFF**
- **BOARD TEMPERATURE** and **CHIP TEMPERATURE** in order to monitor how the fixture works **Mark-II**
- **WIRELESS DMX** ready **Mark-II**
- Hour-counter on single LED
- Storage and factory recovery
- Upgradable firmware via DMX/USB tool
- Advanced remote settings (**RDM**) for all parameters via DMX
- **ERROR LIST** in order to display errors that can occur

COLOR and CCT PRESETS

RGBW:

- Manual/DMX control:
 - o standard (45) + CCT (2700-8000K) + custom (10)
- 6C:
 - Manual control **Mark-II**
 - o MANUAL PRESET: CCT (9) + LEE FILTERS (66) + custom (10)
 - o MANUAL COLOUR: LEE filters (66) + custom (19)
 - o MANUAL CCT: CCT (36)
 - DMX control:
 - o LEE FILTERS channel: standard (241) + custom (14) **Mark-II**
 - o ROSCO FILTERS channel: standard (236) + custom (19) **Mark-II**
 - o CCT channel: TW (2700-6500K) / 6C/8C (1500-20000K) **Mark-II**

DIMENSIONS

FN	3.5 Kg	290x220x310 mm
PC	3.5 Kg	290x220x310 mm
PR (ZS)	6.2 Kg	400x340x540 mm
PR (ZW)	6.0 Kg	400x340x450 mm

Accessories

FIXTURE

- Filter frame **TC HY 100**
- 4D rotatable barndoors **PL 4 HY 100**
- C-hook for 40-50mm, M10 **GAC**
- Half coupler max 075kg, 48-50, M10 **HC/075**
- Safety rope, 80cm with spring-clamp **FUNE**
- Iris diaphragm **DIA HY100**
- Rotatable gobo-holder type B **PGB R 100**
- Rotatable gobo-holder type M **PGM R 100**

MOVEMENT SYSTEM (more info [here](#))

- Pole Operated, 2-way Pan and Tilt **PO/2 HY100**
- Pole Operated, 3-way Pan, Tilt and Focus **PO/3 HY100**

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DMX PERSONALITIES

	White		
	1CH 8 BIT	2CH 8 BIT	3CH 16 BIT
	1 ch	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 8 BIT	SPLIT 8 BIT	SPLIT 16 BIT	STUDIO 16 BIT	THEATRE FULL 16 BIT
	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
CCT LINEAR	WW	DIMMER FINE	DIMMER FINE	DIMMER FINE	
	CW	WW	CCT PRESET	CCT LINEAR	
	STROBO+STORE	WW FINE	WW +/-	DELAY	
	SERVICE	CW	CW +/-	FAN	
		CW FINE	DELAY	STROBO+STORE	
		DELAY	FAN	SERVICE	
		FAN	STROBO+STORE		
		STROBO+STORE	SERVICE		
		SERVICE			

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

	6C					
	EASY 8 BIT	HSIC 8 BIT	RGBACL+WW+CW 8 BIT	RGBACL+WW+CW 16 BIT	THEATER 16 BIT	STUDIO 16 BIT
	1 ch	DIMMER	DIMMER	DIMMER	DIMMER	DIMMER
2 ch	ROSCO FILTERS	HUE	RED	DIMMER FINE	DIMMER FINE	DIMMER FINE
3 ch	LEE FILTERS	HUE FINE	GREEN	RED	RED	RED
4 ch	CCT PRESET	SATURATION	BLUE	RED FINE	RED FINE	RED FINE
5 ch		CCT LINEAR	AMBER	GREEN	GREEN	GREEN
6 ch		STROBO+STORE	CYAN	GREEN FINE	GREEN FINE	GREEN FINE
7 ch		SERVICE	LIME	BLUE	BLUE	BLUE
8 ch			WW	BLUE FINE	BLUE FINE	BLUE FINE
9 ch			CW	AMBER	AMBER	AMBER
10 ch			STROBO+STORE	AMBER FINE	AMBER FINE	AMBER FINE
11 ch			SERVICE	CYAN	CYAN	CYAN
12 ch				CYAN FINE	CYAN FINE	CYAN FINE
13 ch				LIME	LIME	LIME
14 ch				LIME FINE	LIME FINE	LIME FINE
15 ch				WW	WW	WW
16 ch				WW FINE	WW FINE	WW FINE
17 ch				CW	CW	CW
18 ch				CW FINE	CW FINE	CW FINE
19 ch				ROSCO FILTERS	ROSCO FILTERS	ROSCO FILTERS
20 ch				LEE FILTERS	LEE FILTERS	LEE FILTERS
21 ch				SATURATION	CCT STEPS	CCT STEPS
22 ch				CCT LINEAR	GREEN +/-	GREEN +/-
23 ch				GREEN +/-	DELAY	DELAY
24 ch				DELAY	FAN	FAN
25 ch				FAN	STROBE+STORE	STROBE+STORE
26 ch				STROBO+STORE	SERVICE	SERVICE
27 ch				SERVICE	FREE 1	FREE 1
28 ch				FREE 1	FREE 2	FREE 2
29 ch				FREE 2		

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LIGHT OUTPUT

Model	Type	(measure at)	CRI	TLCI	TM-30	Lumen (max)	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
FN HY LED 100	WW	3000K	97	97	94	12.697	12°	1.073	0,8	477	1,3	268	1,7	172	2,1	119	2,5	17.160
							75°	280	6,1	124	9,1	70	12,2	45	15,2	31	18,2	4.480
	NW	4000K	97	97	94	12.829	12°	1.133	0,8	503	1,3	283	1,7	181	2,1	126	2,5	18.121
							75°	296	6,1	131	9,1	74	12,2	47	15,2	33	18,2	4.731
	CW	5600K	95	92	93	13.445	12°	1.321	0,8	587	1,3	330	1,7	211	2,1	147	2,5	21.141
							75°	345	6,1	153	9,1	86	12,2	55	15,2	38	18,2	5.519
	TW	2700-6500K	95	92	93	6.960	11°	5.906	0,8	2.625	1,1	1.477	1,5	945	1,9	656	2,3	94.500
							50°	965	3,7	429	5,6	241	7,4	154	9,3	107	11,1	15.440
	RGBW	2700-8000K	85	90	90	6.732	11°	5.198	0,8	2.310	1,1	1.299	1,5	832	1,9	578	2,3	83.160
							50°	849	3,7	377	5,6	212	7,4	136	9,3	94	11,1	13.587
	6C	1500-20000K	94	92	94	7.512	11°	4.725	0,8	2.100	1,1	1.181	1,5	756	1,9	525	2,3	75.600
							50°	772	3,7	343	5,6	193	7,4	124	9,3	86	11,1	12.352
								4 m		6 m		8 m		10 m		12 m		

Model	Type	(measure at)	CRI	TLCI	TM-30	Lumen (max)	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
PC HY LED 100	WW	3000K	97	97	94	12.697	15°	1.044	1,0	464	1,6	261	2,1	167	2,6	116	3,1	16.700
							75°	274	6,1	122	9,1	68	12,2	44	15,2	30	18,2	4.380
	NW	4000K	97	97	94	12.829	15°	1.102	1,0	490	1,6	276	2,1	176	2,6	122	3,1	17.636
							75°	289	6,1	128	9,1	72	12,2	46	15,2	32	18,2	4.625
	CW	5600K	95	92	93	13.445	15°	1.286	1,0	572	1,6	321	2,1	206	2,6	143	3,1	20.575
							75°	337	6,1	150	9,1	84	12,2	54	15,2	37	18,2	5.396
	TW	2700-6500K	95	92	93	6.960	12°	4.519	0,8	2.008	1,3	1.130	1,7	723	2,1	502	2,5	72.300
							50°	970	3,7	431	5,6	243	7,4	155	9,3	108	11,1	15.520
	RGBW	2700-8000K	85	90	90	6.732	12°	3.977	0,8	1.767	1,3	994	1,7	636	2,1	442	2,5	63.624
							50°	854	3,7	379	5,6	213	7,4	137	9,3	95	11,1	13.658
	6C	1500-20000K	94	92	94	7.512	12°	3.615	0,8	1.607	1,3	904	1,7	578	2,1	402	2,5	57.840
							50°	776	3,7	345	5,6	194	7,4	124	9,3	86	11,1	12.416
								4 m		6 m		8 m		10 m		12 m		

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Model	Type	(measure at)	CRI	TLCI	TM-30	Lumen (max)	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Peak CD
PR HY LED 100 ZS	WW	3000K	97	97	94	12.697	20°	1.740	1,4	773	2,1	435	2,8	278	3,5	193	4,2	27.840
							38°	978	2,7	434	4,1	244	5,5	156	6,8	109	8,2	15.640
	NW	4000K	97	97	94	12.829	20°	1.740	1,4	773	2,1	435	2,8	278	3,5	193	4,2	27.840
							38°	978	2,7	434	4,1	244	5,5	156	6,8	109	8,2	15.640
	CW	5600K	95	92	93	6.960	20°	2.030	1,4	902	2,1	507	2,8	325	3,5	226	4,2	32.480
							38°	1.140	2,7	507	4,1	285	5,5	182	6,8	127	8,2	18.246
	TW	2700-6500K	95	92	93	6.960	15°	7.578	1,0	3.368	1,6	1.895	2,1	1.213	2,6	842	3,1	121.250
							30°	2.627	2,1	1.168	3,2	657	4,3	420	5,3	292	6,4	42.031
	RGBW	2700-8000K	85	90	90	6.732	15°	5.759	1,0	2.560	1,6	1.440	2,1	922	2,6	640	3,1	92.150
							30°	1.996	2,1	887	3,2	499	4,3	319	5,3	222	6,4	31.944
	6C	1500-20000K	94	92	94	7.512	15°	6.063	1,0	2.694	1,6	1.516	2,1	970	2,6	674	3,1	97.000
							30°	2.102	2,1	934	3,2	525	4,3	336	5,3	234	6,4	33.625
PR HY LED 100 ZW	WW	3000K	97	97	94	12.697	35°	1.255	2,5	558	3,8	314	5,0	201	6,3	139	7,5	20.080
							50°	705	3,7	313	5,6	176	7,4	113	9,3	78	11,1	11.280
	NW	4000K	97	97	94	12.829	35°	1.325	2,5	589	3,8	331	5,0	212	6,3	147	7,5	21.205
							50°	745	3,7	331	5,6	186	7,4	119	9,3	83	11,1	11.912
	CW	5600K	95	92	93	6.960	35°	1.633	2,5	726	3,8	408	5,0	261	6,3	181	7,5	26.125
							50°	917	3,7	408	5,6	229	7,4	147	9,3	102	11,1	14.676
	TW	2700-6500K	95	92	93	6.960	25°	4.753	1,8	2.113	2,6	1.188	3,5	761	4,4	528	5,3	76.050
							40°	1.930	2,9	858	4,3	482	5,8	309	7,2	214	8,7	30.875
	RGBW	2700-8000K	85	90	90	6.732	25°	3.473	1,8	1.544	2,6	868	3,5	556	4,4	386	5,3	55.575
							40°	1.410	2,9	627	4,3	353	5,8	226	7,2	157	8,7	22.563
	6C	1500-20000K	94	92	94	7.512	25°	3.656	1,8	1.625	2,6	914	3,5	585	4,4	406	5,3	58.500
							40°	1.484	2,9	660	4,3	371	5,8	238	7,2	165	8,7	23.750
									4 m	6 m	8 m	10 m	12 m					

How to... (video tutorial)



[...set DMX personality and DMX address](#)

[...emulate a halogen lamp](#)

[...avoid acoustic and visual disturbances](#)

[... set stand alone and master-slave](#)

[...increase light output +20%](#)

[...set the LED calibration](#)

[...set the colour custom presets](#)

[User manual](#)

[Contact Sales Office](#)

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PHOTOMETRIC DATA

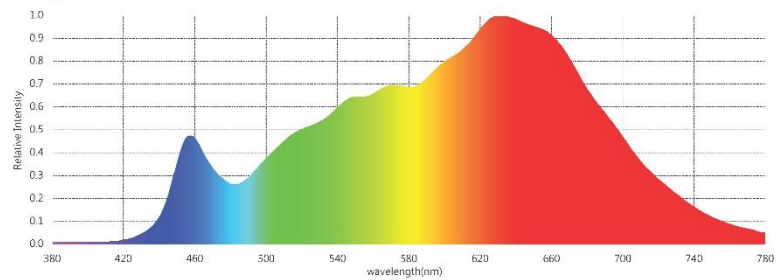
Conditions during measurements:

- LED: WW
- Test in hemi-anechoic room
- Temperature: 16°C
- Relative humidity: 61%
- Distance: 2m

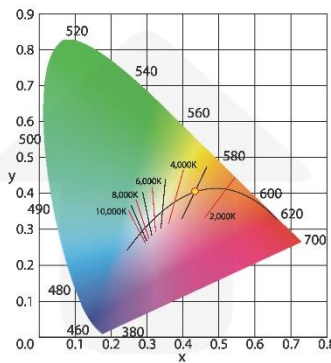
Parameters

CIE_x	0.4334
CIE_y	0.4058
CIE_u'	0.2475
CIE_v'	0.5215
CCT	3075 K
Duv	0.0012
CRI (Ra)(R1~R8)	98
CRI (Re) (R1-R15)	97
CQS	97
TLCI(Qa)	99
GAI	58
TM-30-18 Rf	94
TM-30-18 Rg	99
Illuminance	1,285 lux
Foot Candle	119.4 fc
PPFD (400-700nm)	22.01 $\mu\text{mol}/\text{m}^2\text{s}$
λ_p	631 nm
λ_D	582 nm
Purity (Pe)	50 %
SP Ratio	1.5
Circadian Stimulus	0.60
Circadian Light	1,363
Flicker Percentage	1 %
Flicker Index	0.00
Flicker Frequency	136 Hz

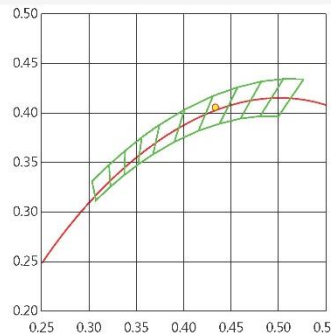
Spectrum



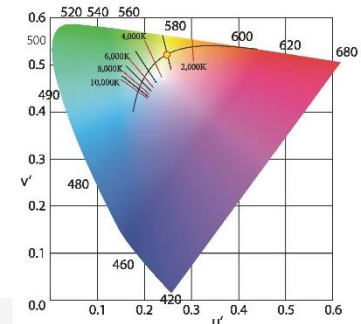
CIE 1931



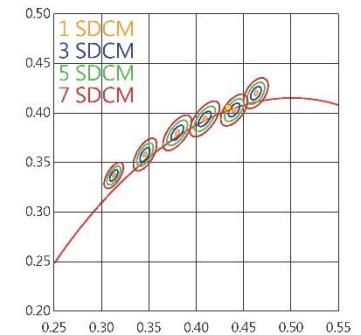
C78.377 - 2017



CIE 1976



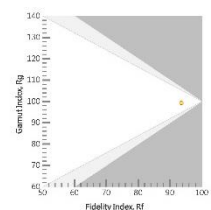
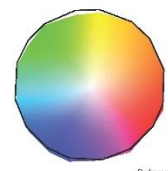
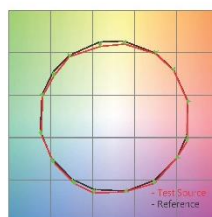
IEC-SDCM



CRI (Re) (R1-R15)

R1	99	R6	98	R11	99
R2	99	R7	99	R12	81
R3	96	R8	98	R13	100
R4	99	R9	97	R14	97
R5	98	R10	96	R15	98

TM-30-18



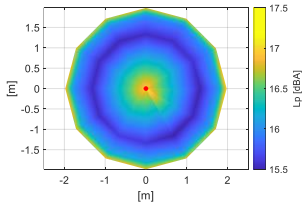
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NOISE LEVEL DATA (silent mode)

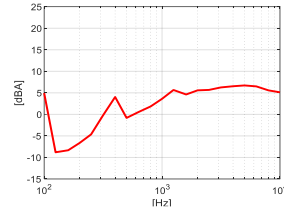
Conditions during measurements:

- Test in hemi-anechoic room
- Temperature: 22°C
- Relative humidity: 79%
- Radius of spherical measuring surface: 2m

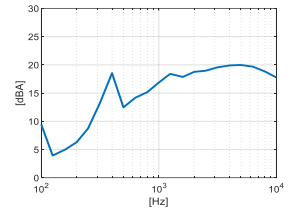
Diagram of Sound Pressure level L_p [dBA], the red point identifies the direction of maximum noise emission ¹



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 distances²:

Distance	1 m	2 m	4 m	6 m
Sound pressure level L_p	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).

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

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

How to... (video tutorial)