



CAST HI POWER WALL WASHING LIGHT

CAST series are powered by 1W high brightness LED, these are able to provide an even and wide colour effect covering a wide surface, mainly walls. Connecting a number of CAST units together can project a spectacular colour changing feature.

Inner 1W LED with a 25 degree beaming angle has a maximum emitting distance of about 12 meters allows for a high accurate projection of light, changing the lens to a 15 degrees can concentrate the light further increasing the emitting distance. By removing the lens the beaming angle becomes a lot wider ideal for lighting up larger lower areas.

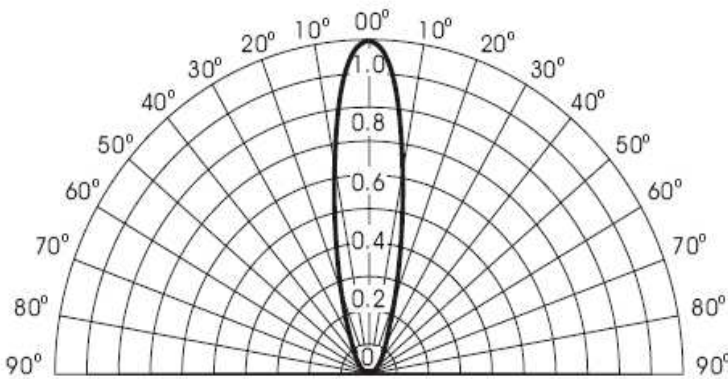
Each RGB has a 256 colour depth and can provide a total of 16,777,216 different colours. Constant current ensures its stable performance under various working conditions. With a durable aluminium housing and IP65 protection rating ensures CAST is adaptable for various conditions.

CAST also features easy installation with the assistance of mounting gears and rotating standings.

SPECIFICATION	
Size	300x65x45mm, 600x65x45mm, 900x65x45mm, 1200x65x45mm
Colour	256x256x256. 16777216 true colours
LED	1W; LED
Length	300mm, 600mm, 900mm, 1200mm
LED Quantity	9/300mm, 18/600mm, 27/900mm, 36/1200mm
Cover	Steel Glass
Housing	Aluminium
Beaming Angle	15o ~ 25o with lens, 40o ~ 140o without
Life Span	>= 80,000 hours
COMMUNICATION	
Port	Waterproof connect
Controller	VCC + HP800
CURRENT & ELECTRIC	
Input	350mA constant current
Power	9W/18W/27W/36W
Power Supply	HP-800
WORKING ENVIRONMENT (for indoor and outdoor use)	
Working Temperature	-20oC ~ +65oC
Humidity	0% ~ 90% relative humidity
IP Class	IP65

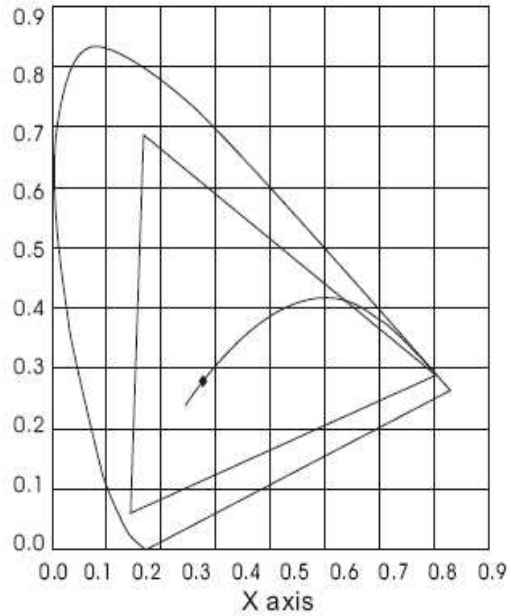
Specification

LED: Soft focus point and ultra-emission colophony lens.
Beaming angle: 25°.
Light distribution: even diffusive illumination.



circle area is the beaming angle:25°

CIE Chromatic Diagram



Diamond area is white color

CAST-HP-9C-HL

Luminance

colour	3'	6'	9'	12'	15'
	1M	2M	3M	4M	5M
white	72.1	18.0	8.0	4.5	2.9
	776.2	194.0	86.2	48.7	31.2
red	34.9	8.7	3.9	2.2	1.4
	375.0	93.8	41.7	23.5	15.1
green	31.5	7.9	3.5	2.0	1.3
	339.1	84.8	37.7	21.3	13.6
blue	12.5	3.1	1.4	0.8	0.5
	135.0	33.8	15.0	8.5	5.4

Luminous Flux

colour	output(lm)	Power (w)	Emission Efficiency (lm/w)
white	163	9	18.11
red	75	3	25.00
green	78	3	26.00
blue	27	3	9.00

CAST-HP-18C-HL

Luminance

colour	3'	6'	9'	12'	15'
	1M	2M	3M	4M	5M
white	142.1	35.5	15.8	8.9	5.7
	1528.6	382.1	169.8	96.0	61.5
red	69.7	17.4	7.7	4.4	2.8
	750.0	187.5	83.3	47.1	30.2
green	63.0	15.8	7.0	4.0	2.5
	678.3	169.6	75.4	42.6	27.3
blue	25.1	6.3	2.8	1.6	1.0
	270.0	67.5	30.0	16.9	10.9

Luminous Flux

colour	output(lm)	Power (w)	Emission Efficiency (lm/w)
white	321	18	17.83
red	150	6	25.00
green	156	6	26.00
blue	54	6	9.00

cd/mm²;candles/per square

CAST-HP-36C-HL

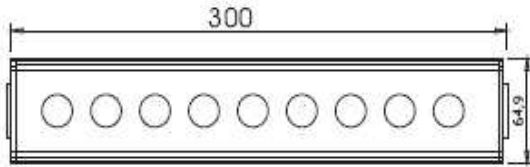
Luminance

colour	3'	6'	9'	12'	15'
	1M	2M	3M	4M	5M
white	289.4	72.4	32.2	18.2	11.6
	3114.3	778.6	346.0	195.5	125.3
red	139.4	34.9	15.5	8.8	5.6
	1500.0	375.0	166.7	94.2	60.4
green	126.1	31.5	14.0	7.9	5.1
	1356.5	339.1	150.7	85.2	54.6
blue	50.2	12.5	5.6	3.2	2.0
	540.0	135.0	60.0	33.9	21.7

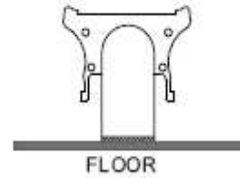
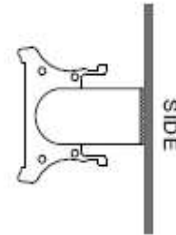
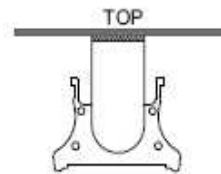
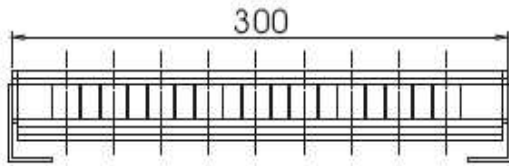
Luminous Flux

colour	output(lm)	Power (w)	Emission Efficiency (lm/w)
white	654	18	36.33
red	300	6	50.00
green	312	6	52.00
blue	108	6	18.00

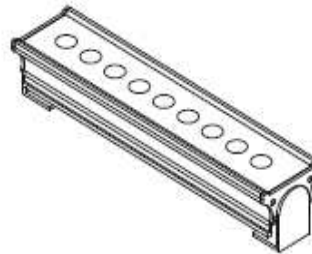
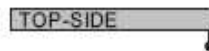
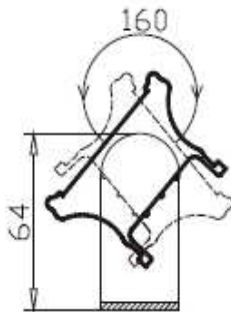
cd/mm²;candles/per square



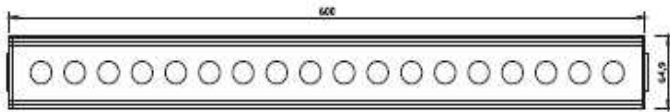
Model: CAST-HP-9C-HL	
color	RGB
power	9W
input	350mA*3
LED quantity	R3G3 B3
size	300



INSTALLATION

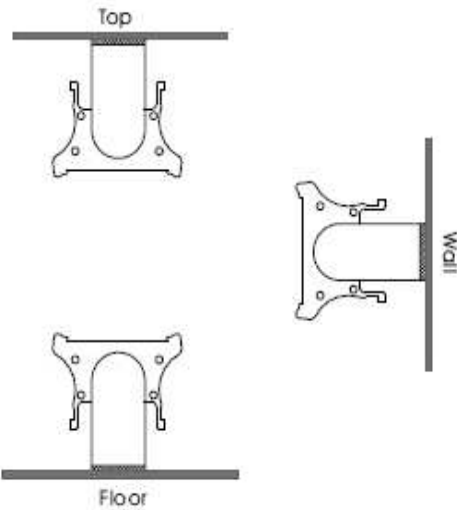
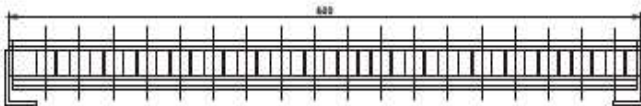


TOP



Model: CAST-HP-18C-HL	
color	RGB
power	18W
input	350mA*3*2
LED quantity	R6G6 B6
size	600

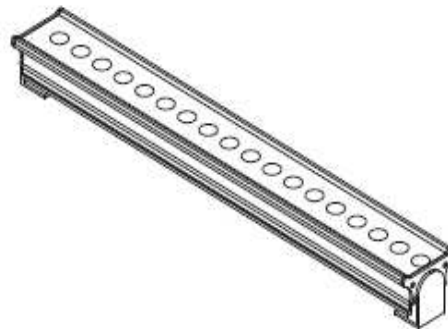
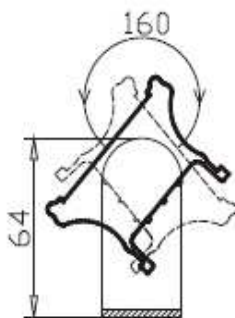
SIDE

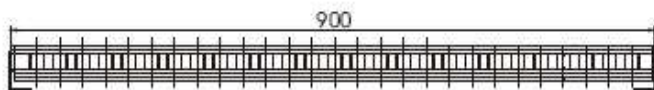
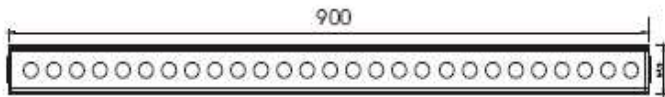


Installation

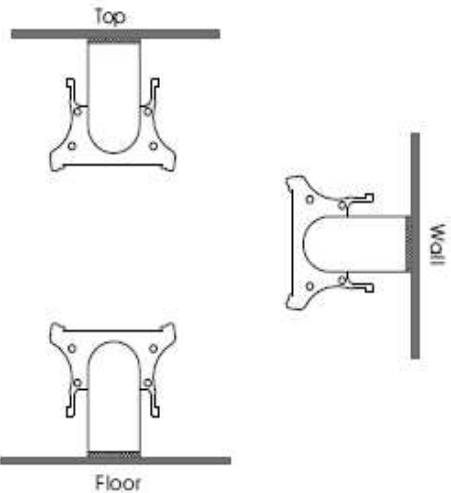
SIDE

TOP-SIDE

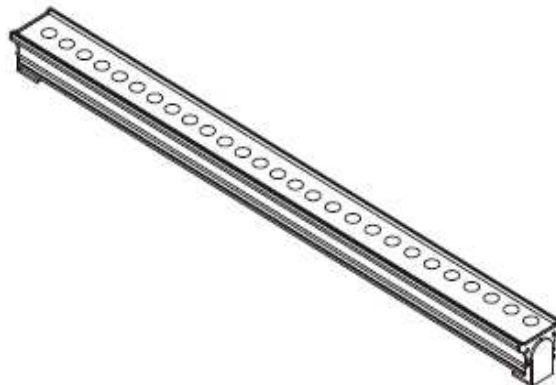
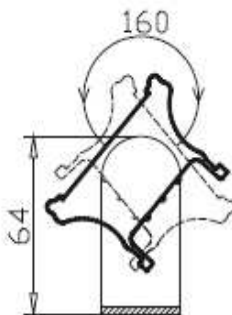
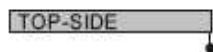


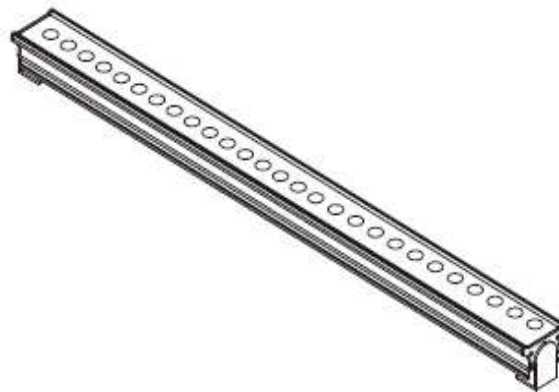
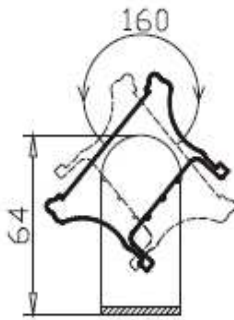
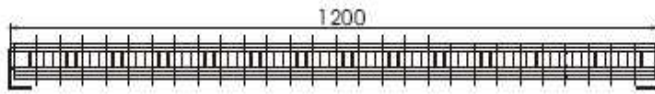
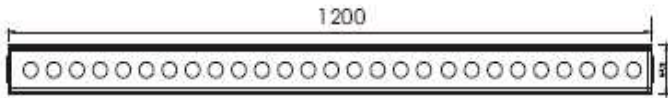


Model: CAST-HP-27C-HL	
color	RGB
power	27W
input	350mA*3*4
LED quantity	R9G9 B9
size	900

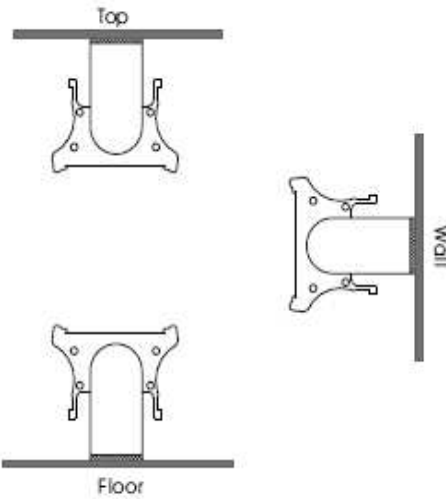


Installation



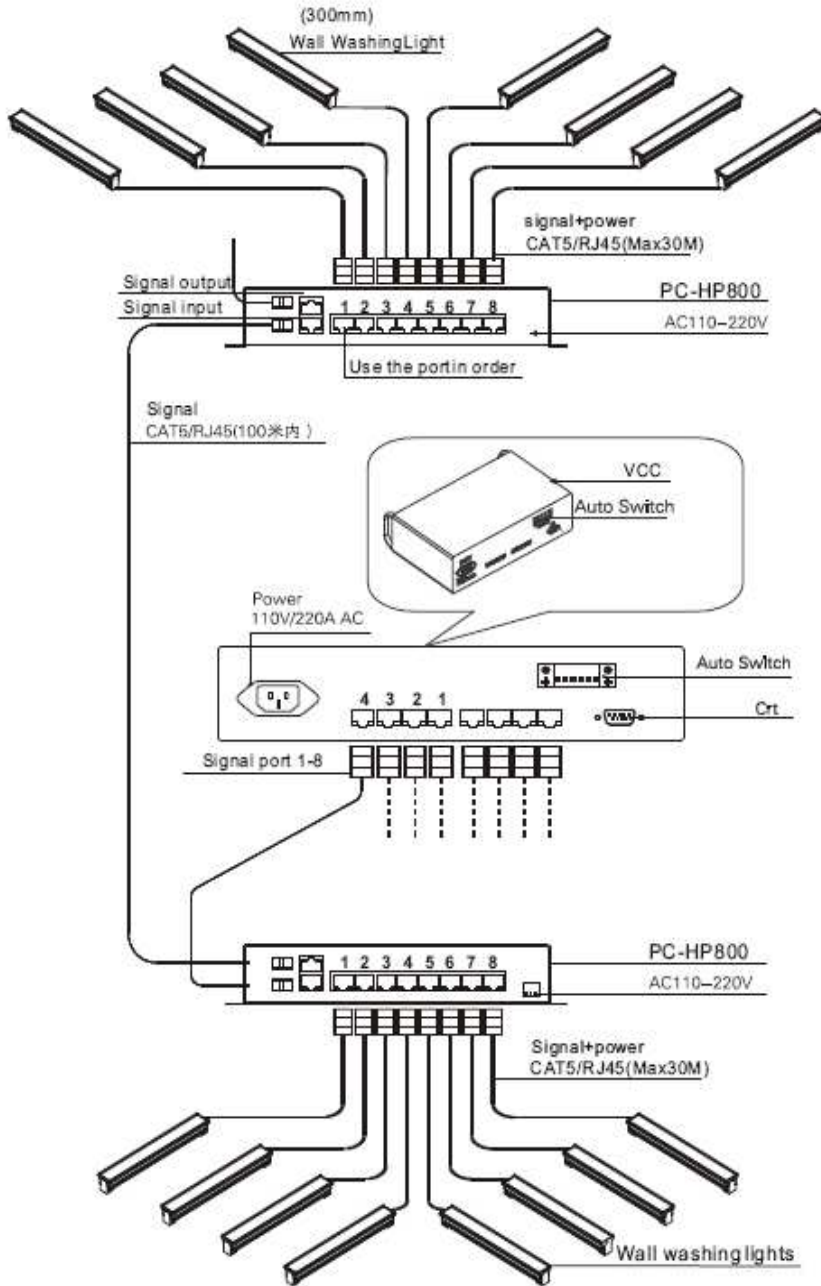


Model: CAST-HP-36C-HL	
color	RGB
power	36W
Input	350mA*3*8
LED quantity	R12 G12 B12
size	1200



Installation

VCC + PC-HP800 + Wall Washing Light



1: Make sure the ground wire connected properly