



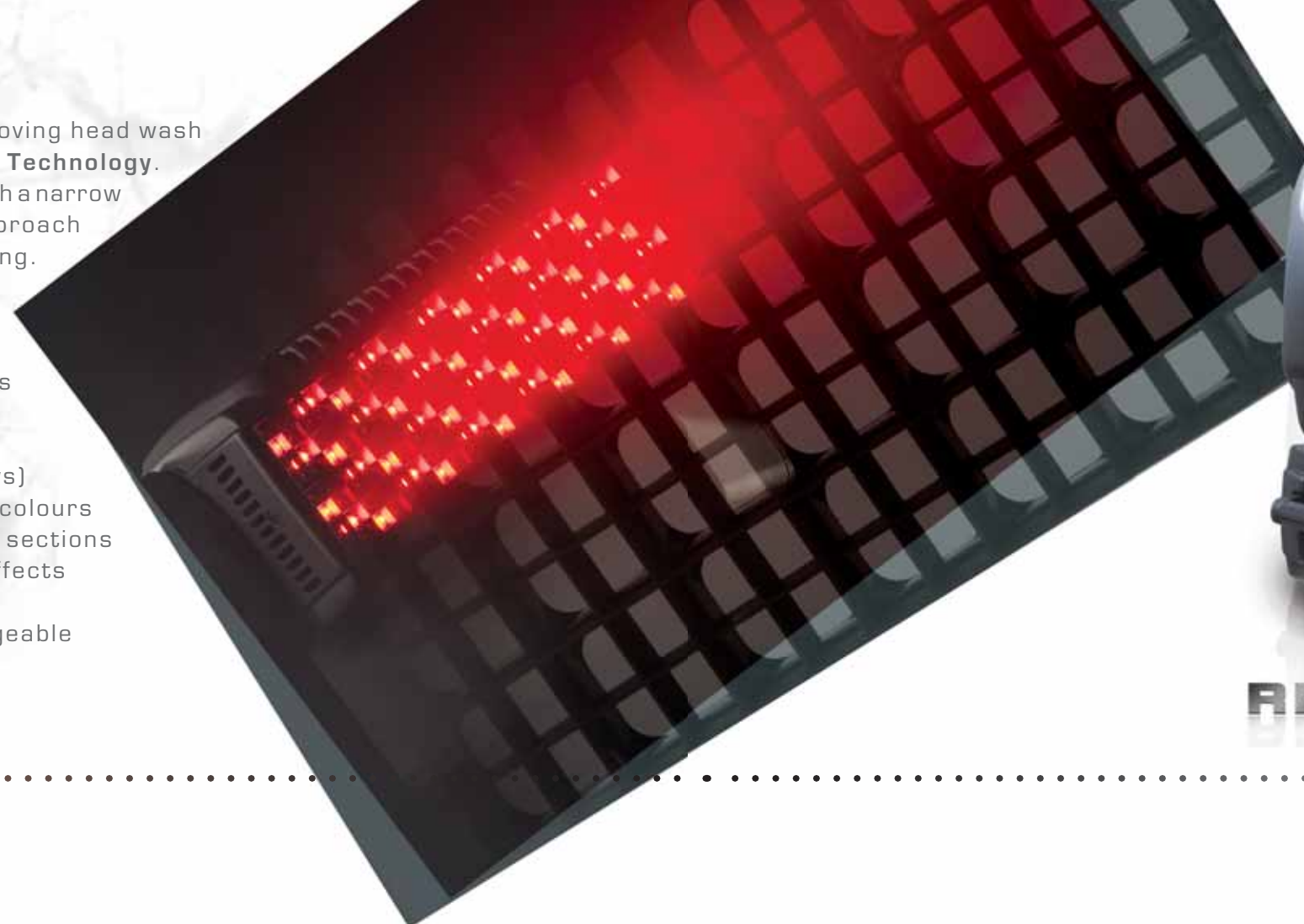
REDWash 3:192

ROBE

REDWash 3•192

is the first in a series of powerful new Robe moving head wash lights based on **RED** (Robe Emitted Diodes) **Technology**. The fixture provides a rectangular light field with a narrow beam spread, offering a unique, fresh approach to concert touring, television and event lighting.

- 192 High Power RGBW Luxeon Rebel LEDs
- Smooth, silent movement
- Exceptionally even colour distribution with uniform shadow looks (i.e. no RGB Shadows)
- Extremely high intensity levels of saturated colours
- Rectangular light output is divided up into 4 sections for producing rainbow, colour and other effects
- Spectacular strobe effects
- Manual Beam Spread Control with exchangeable 'Egg Crate' lens modules
- DMX, ArtNet and RDM Communication
- RNS (Robe Navigation System)



REDWash 3•192

Intense Saturated Colours combined with extreme Luminous Flux Levels

REDWash 3•192 is equipped with 192 RGBW High Power Luxeon Rebel LEDs, arranged in a rectangular format as close as possible to each other for maximum density. The fixture provides stunning saturated colour tones with extreme intensity levels - doubling the luminous flux levels of other wash lights using 700W discharge lamp sources (red, green and blue colours).



Concept of Linearity

REDWash 3•192 has a linear optical layout, which is ideal for flooding large areas with intense colour tones and creating 'eye-candy' for audiences with varying Pan/Tilt positions. It's 4-section-concept allows the creation of a spectacular rainbow spectrum effect and other imaginative chases and colour effects.

Concept of Shadow Uniformity

The RedWash 3•192s LEDs are tightly populated for optimised homogeneous colour distribution and uniform shadow behaviour – averting the 'RGB shadows' that are often common to other LED based lighting fixtures.



Extreme Strobe Lighting Effects

REDWash 3•192 can be used as a powerful strobe – consuming just 400W of power. Strobe Effects are stunningly crisp and detailed and can be used in conjunction with any colour tones or mixes.

RDM and Remote Control and Setup

REDWash 3•192 communicates via Robe's DreamBox USB interface with a computer running Robe RDMNet Software enabling remote Menu configurations and fixture setup.

RDM compatible equipment is initially rigged or installed without any pre-configurations, and all the necessary settings are remotely administered using standard DMX cables and existing DMX links. Service technicians will benefit from the Active Failure reporting of RDM compatible equipment, like the REDWash 3•192.

RNS Display – Robe Navigation System

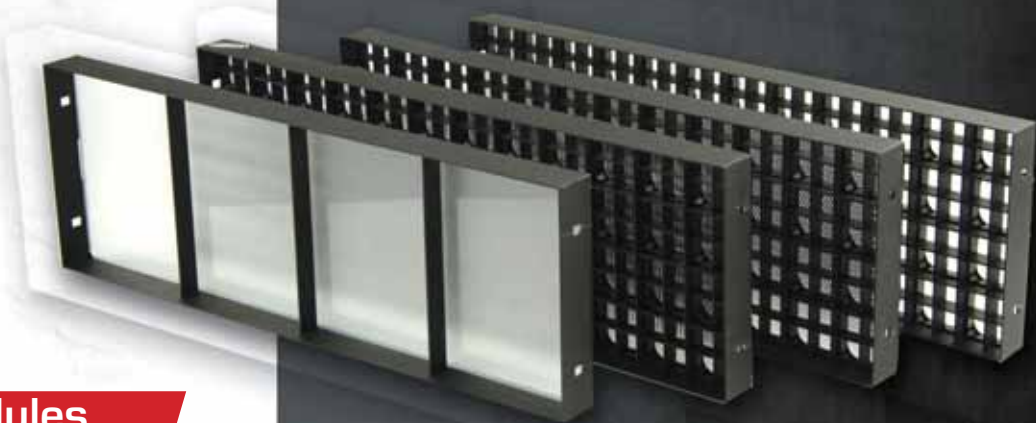
REDWash 3•192 features an intuitive jog-wheel controlled menu system. This and the fixture's large text and full LCD graphical display offer fast and intuitive navigation through the menu structure.

Silent operation, fast and precise Pan/Tilt movements

REDWash 3•192 is exceptionally silent in operation, with a small air stream provided for expelling hot air. The Pan and Tilt functions are fast and precise – as with all ROBE lighting fixtures.



Robe 'Egg Crate' Modules



REDWash 3•192 is supplied with a standard 12-degree lens configuration and 25-degree 'Egg Crate' lens module, 45 and 15 x 45 degree 'Egg Crate' lens modules are also available as optional accessories. The Egg Crate modules are extremely quick and easy to fit, allowing lenses to be swapped around for maximum flexibility.

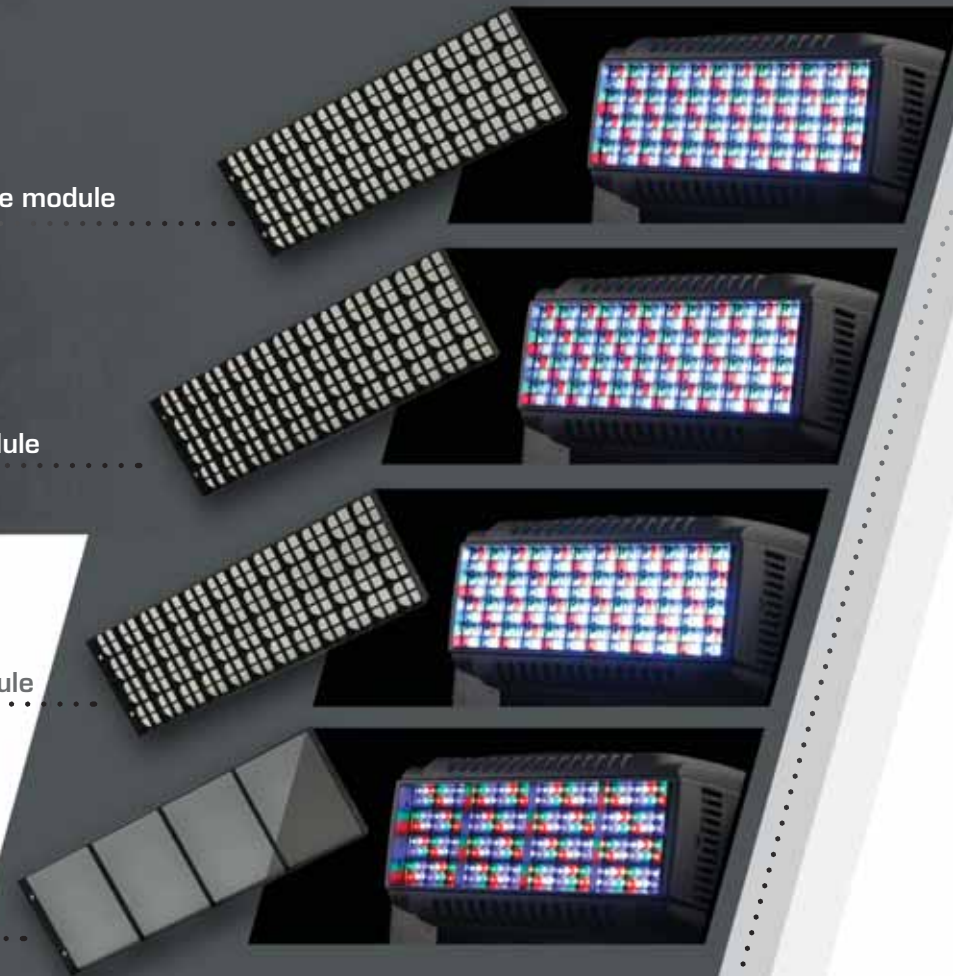
.....
Standard 12° beam angle
.....

.....
Optional 25° beam angle module
.....

.....
Optional 45° beam angle module
Accessory on request

.....
Optional 45° x 15° beam angle module
Accessory on request

.....
Optional module with clear glass
- holder for additional frost foils



Technical Specifications

Mechanical specifications

- Mechanical specifications
- Fixture dimensions (h x w x d): 588 x 514 x 328 mm
- Weight: 22 kg

Electrical specifications

- Power supply: Electronic auto-ranging
- Input voltage range: 90-250V AC, 50/60 Hz
- Power consumption: 450 VA

Environmental Specifications

- Maximum ambient temperature: 40°C
- Maximum housing temperature: 70°C

Optic & Effect Specifications

- Light source: 192 High Power RGBW Luxeon Rebel LEDs
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 50.000 hours
- RGB+W colour mixing
- Preset colour macros and rainbow effect
- Adjustable strobe sequences
- Fine dimmer
- White colour balance adjusting

Connections

- DMX data in/out: Locking 3-pin and 5-pin XLR
- AC power input: 1.5 m power cord without plug
- Ethernet: RJ45 (neutric Ethercon)

Control and Programming

- Control panel: Graphic LCD display and ROBE navigation system
- Control: USITT DMX 512, ArtNet RDM support
- DMX protocol modes: 4
- DMX channels: 8, 15, 23 or 27
- 3-editable programs, each up to 99 steps

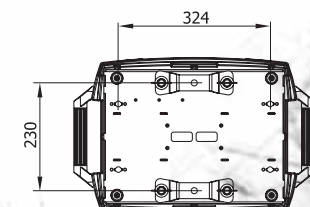
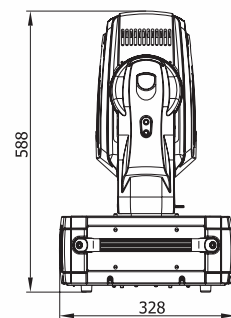
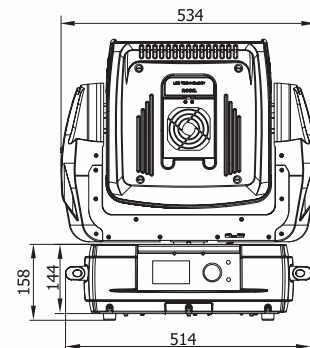
- Control options: DMX, Auto-trigger, Audio-trigger
- Operations modes: DMX, Stand-alone
- Manual control of all effects via control panel

Pan/Tilt

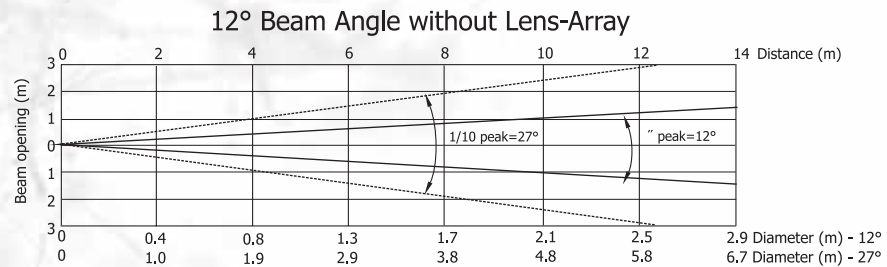
- Pan movement range: 530°
- Tilt movement range: 280°
- 16 bit movement resolution
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction
- Built-in Pan/Tilt macros

Rigging

- Mounting points: 2 pairs of L-turn locks
- 2x Omega bracket with L-turn quick locks
- Safety chain/cord attachment point

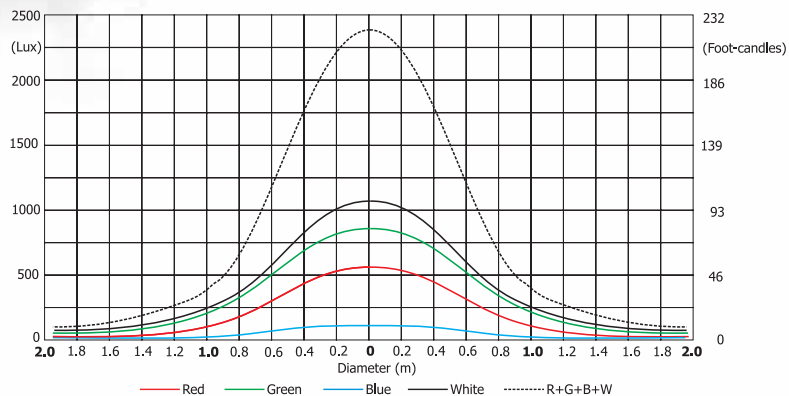


Photometric Diagrams 12° beam angle

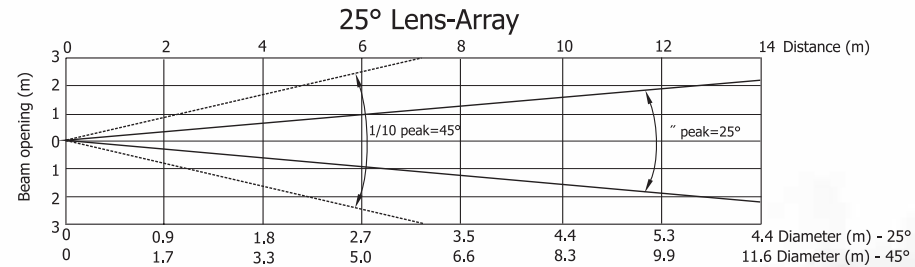


Distance (m)	2	4	6	8	10	12	14	
Red	3218/299	804/19	358/33	201/19	129/12	89/8	66/6	Intensity (center) Lux/Footcandles
Green	5500/511	1375/128	611/57	344/32	220/20	153/14	112/10	
Blue	388/36	97/9	43/4	24/2	16/1.4	11/1	8/0.7	
White	6437/598	1609/150	402/37	402/37	257/24	178/17	131/12	
R+G+B+W	14687/1364	3671/341	1631/151	918/85	587/55	408/38	299/27	

Illuminance distribution
Distance=5m

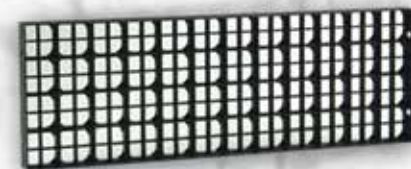
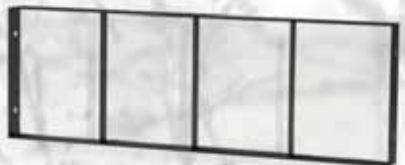
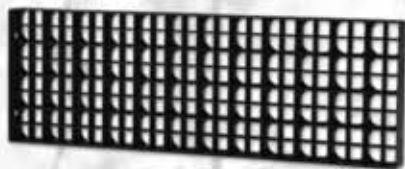
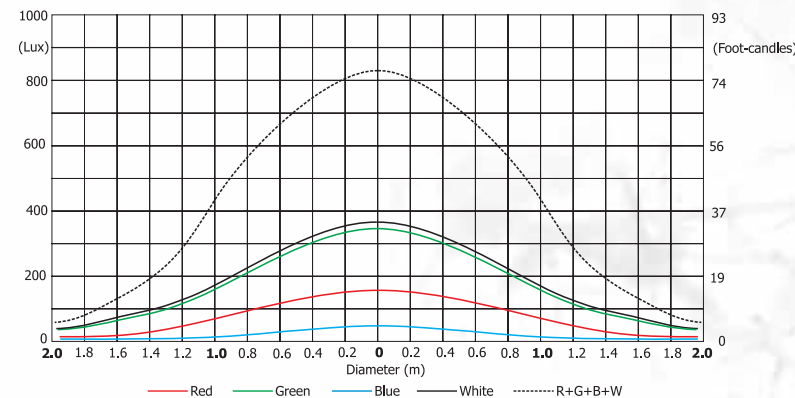


Photometric Diagrams 25° beam angle

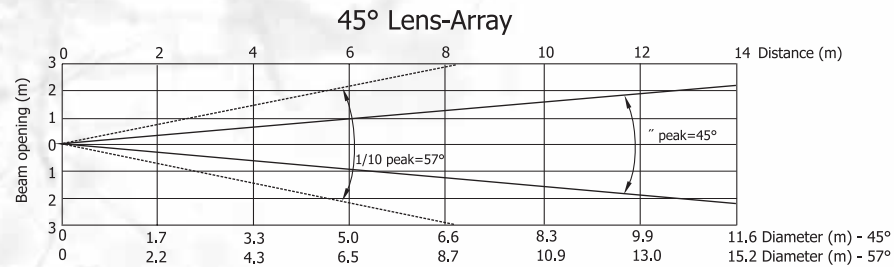


Distance (m)	2	4	6	8	10	12	14	
Red	1263/117	316/29	140/13	79/7	51/5	35/3	26/2	Intensity (center) Lux/Footcandles
Green	1938/180	484/45	215/20	121/11	78/7	54/5	40/4	
Blue	138/13	34/3	15/1.5	9/0.8	6/0.5	4/0.4	3/0.3	
White	2300/214	575/53	256/24	144/13	92/9	64/6	47/4	
R+G+B+W	5313/79	1328/123	590/55	332/31	213/20	147/14	108/10	

Illuminance distribution
Distance=5m

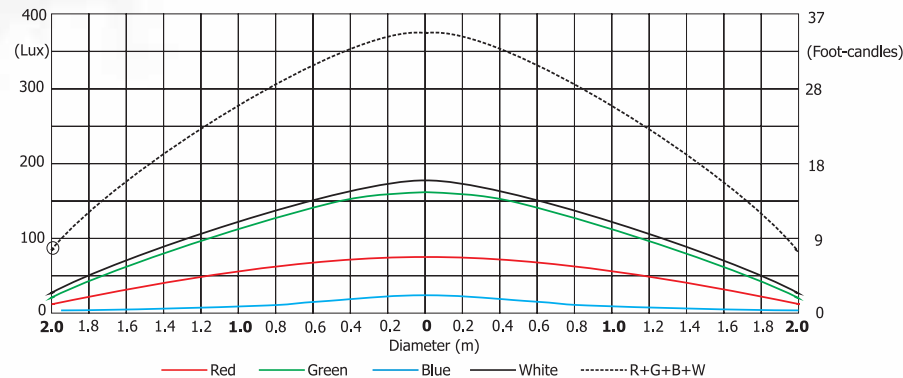


Photometric Diagrams 45° beam angle

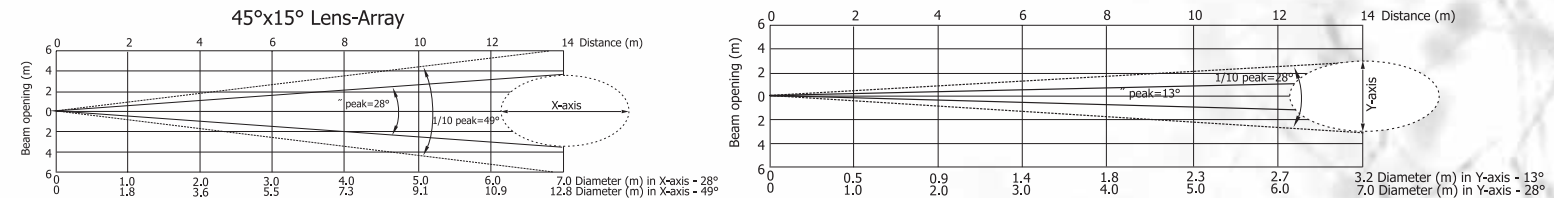


Distance (m)	2	4	6	8	10	12	14	
Red	581/54	145/14	64/6	36/3	23/2	16/2	12/1	Intensity (center) Lux/Footcandles
Green	981/92	245/23	109/10	61/6	39/4	27/3	20/2	
Blue	63/6	16/1.5	7/0.6	4/0.4	3/0.2	2/0.2	1/0.1	
White	1088/101	272/25	121/11	68/6	44/4	30/3	22/2	
R+G+B+W	2625/244	656/61	292/27	164/15	105/10	73/7	54/5	

Illuminance distribution
Distance=5m

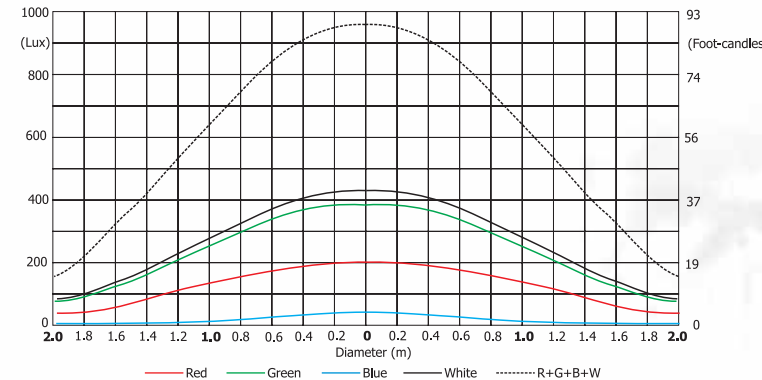


Photometric Diagrams 45° x 15° beam angle

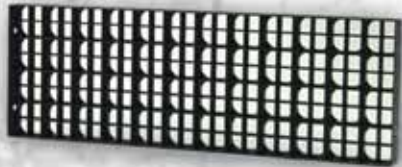
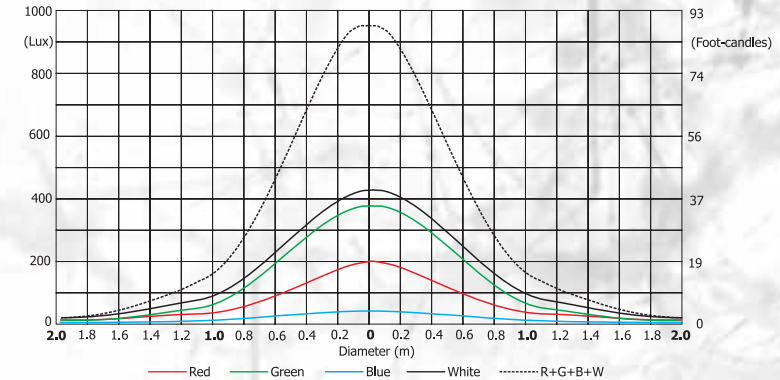


Distance (m)	2	4	6	8	10	12	14	
Red	1212/113	303/28	134/13	76/7	48/5	34/3	25/2.3	Intensity (center) Lux/Footcandles
Green	2438/227	609/57	270/25	152/14	98/9	67/6	50/5	
Blue	163/15	41/4	18/2	10/1	7/0.6	5/0.4	3/0.3	
White	2637/245	659/61	293/27	164/15	105/10	73/7	54/5	
R+G+B+W	6125/569	1531/142	681/63	382/36	245/23	170/16	125/12	

Illuminance distribution X- axis
Distance=5m



Illuminance distribution Y-axis
Distance=5m



All colours are RED ...

Robe Emitted Diodes



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