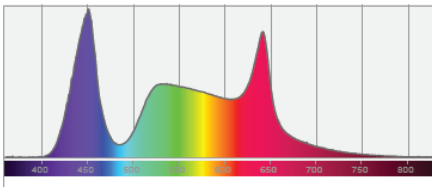
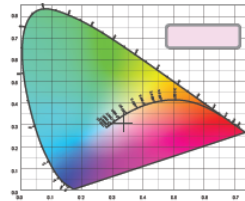


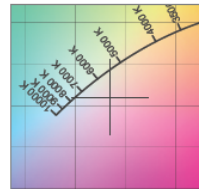
Spectral distribution



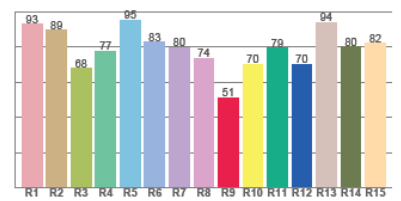
Color coordinates



Zoom color point



CRI R values



# Photometric Test Report

\*Due to additional product enhancements, an updated version of this report may be available online. Please check [www.elationlighting.com](http://www.elationlighting.com) for the latest revision/update of this report.

**Light efficiency:**

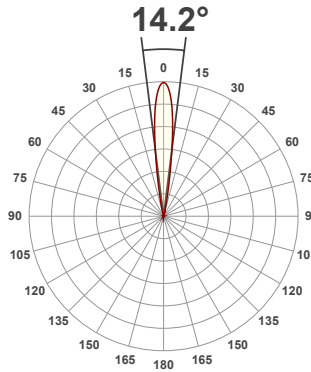
**37 Lumen/Watt**

**Light quality:**

**CRI: 97.0**

**Color temperature:**

**2981 K**



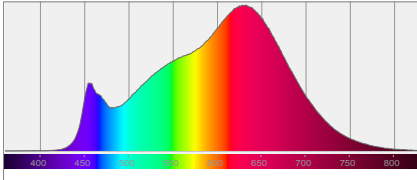
**Product name:**  
**KL Fresnel 4**

**Test:**  
**Zoom In**

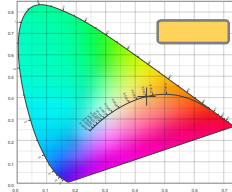
**Date:**  
**11/29/2017**

**Output: 1788 lm Power consumption: 48.6 W Peak: 27350 cd**

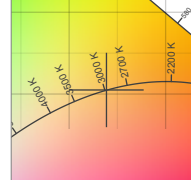
**Spectral distribution**



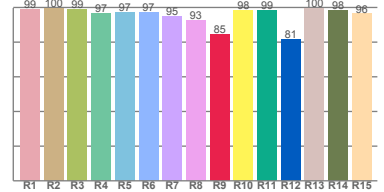
**Color coordinates**



**Zoom color point**

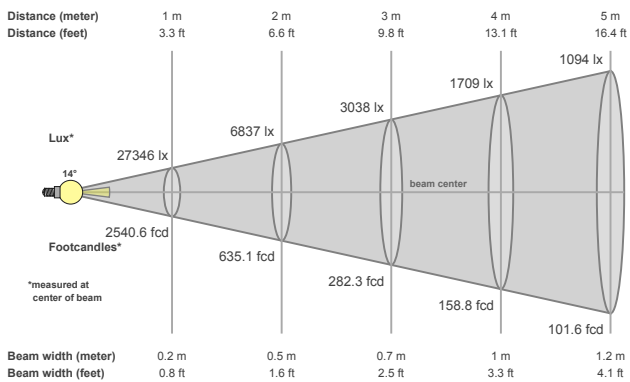


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2981 K	97.0	84.7	90.7	97.7	93.7	0.439	0.405	0.251	0.348	0.0002

**Beam details**



**Beam Angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
14.2°	23.2°	30.1°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
27350 cd	98.9%	98.5%

**Power**

Power	Power factor	Power frequency
48.6 W	0.6	60 Hz

Nominal voltage	Voltage	Current
230 V	116 V	0.701 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
27346lx	6837lx	3038lx	1709lx	1094lx	760lx	558lx	427lx	338lx	273lx	226lx	190lx	162lx	140lx	122lx	107lx	95lx	84lx	76lx	68lx
2540.6fcd	635.1fcd	282.3fcd	158.8fcd	101.6fcd	70.6fcd	51.8fcd	39.7fcd	31.4fcd	25.4fcd	21fcd	17.6fcd	15fcd	13fcd	11.3fcd	9.9fcd	8.8fcd	7.8fcd	7fcd	6.4fcd

**Light efficiency:**

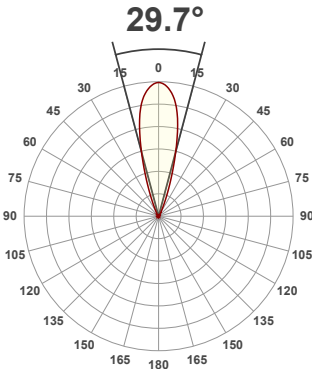
**41 Lumen/Watt**

**Light quality:**

**CRI: 97.0**

**Color temperature:**

**2961 K**

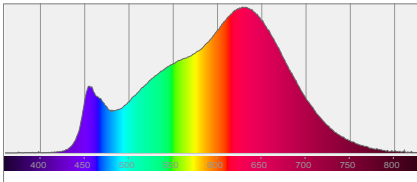


**Product name:**  
**KL Fresnel 4**

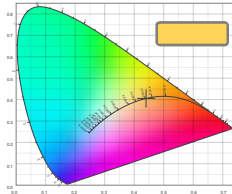
**Test:**  
**Zoom Out**  
**Date:**  
**11/29/2017**

**Output: 1979 lm Power consumption: 48.6 W Peak: 7170 cd**

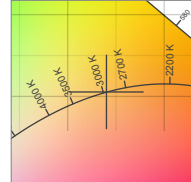
**Spectral distribution**



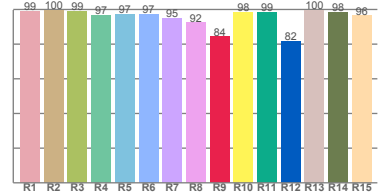
**Color coordinates**



**Zoom color point**

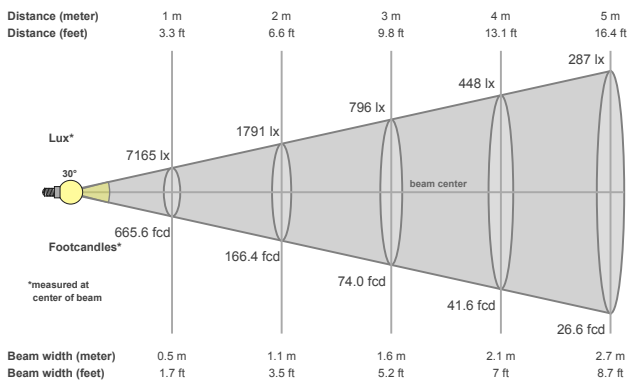


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color division from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2961 K	97.0	84.3	90.7	97.7	93.6	0.440	0.405	0.252	0.348	0.0002

**Beam details**



**Beam Angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
29.7°	48°	62.7°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
7170 cd	98.6%	98.1%

**Power**

Power	Power factor	Power frequency
48.6 W	0.6	60 Hz

Nominal voltage	Voltage	Current
230 V	116 V	0.700 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
7165lx	1791lx	796lx	448lx	287lx	199lx	146lx	112lx	88lx	72lx	59lx	50lx	42lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
665.6fcd	166.4fcd	74fcd	41.6fcd	26.6fcd	18.5fcd	13.6fcd	10.4fcd	8.2fcd	6.7fcd	5.5fcd	4.6fcd	3.9fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.8fcd	1.7fcd