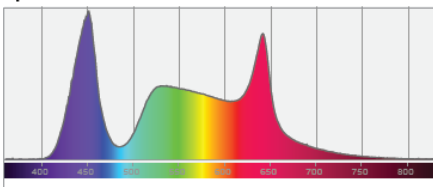
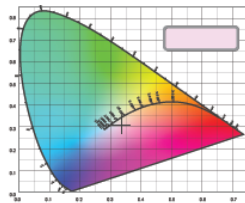


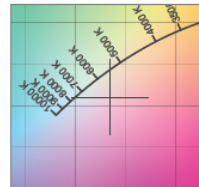
Spectral distribution



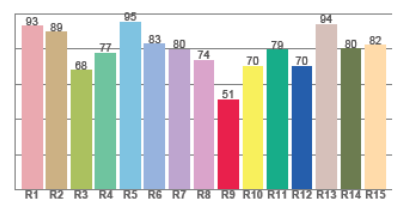
Color coordinates



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 for the latest revision/update of this report.

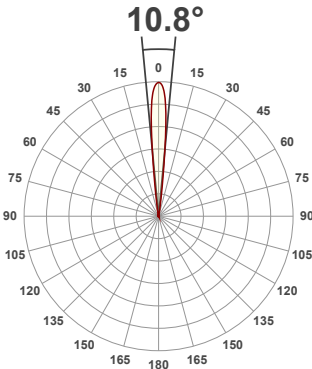
Light efficiency:



Light quality:



Color temperature:



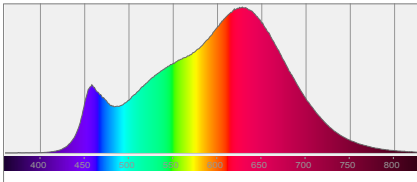
Product name:
KL Fresnel 8

Test:
Zoom In

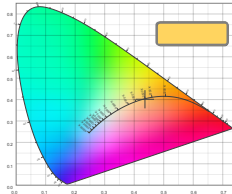
Date:
11/29/2017

Output: 7046 lm Power consumption: 387 W Peak: 174779 cd

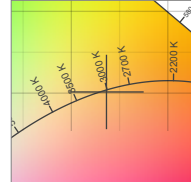
Spectral distribution



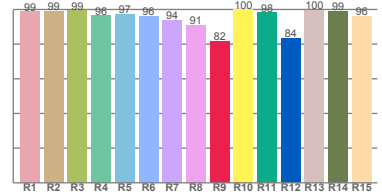
Color coordinates



Zoom color point

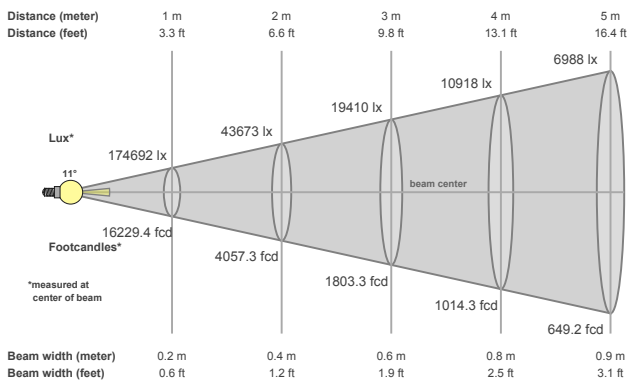


CRI R values



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
2990 K	96.4	81.5	91.0	97.8	93.6	0.436	0.401	0.251	0.347	0.0010

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
10.8°	16.6°	22.9°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
174779 cd	98.2%	96.7%

Power

Power	Power factor	Power frequency
387 W	1.0	0 Hz

Nominal voltage	Voltage	Current
230 V	118 V	3.28 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
174692lx	43673lx	19410lx	10918lx	6988lx	4853lx	3565lx	2730lx	2157lx	1747lx	1444lx	1213lx	1034lx	891lx	776lx	682lx	604lx	539lx	484lx	437lx
16229.4 fcd	4057.3fcd	1803.3fcd	1014.3fcd	649.2fcd	450.8fcd	331.2fcd	253.6fcd	200.4fcd	162.3fcd	134.1fcd	112.7fcd	96fcd	82.8fcd	72.1fcd	63.4fcd	56.2fcd	50.1fcd	45fcd	40.6fcd

Light efficiency:

37 Lumen/Watt

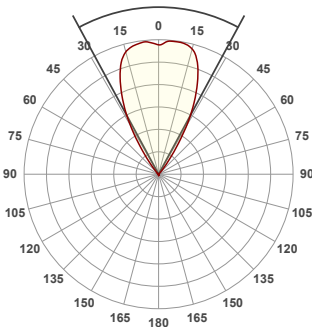
Light quality:

CRI: 96.4

Color temperature:

2957 K

56.8°

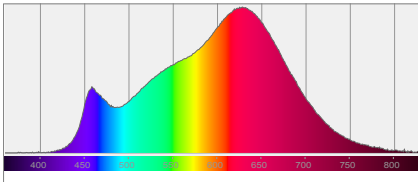


Product name:
KL Fresnel 8

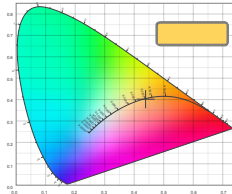
Test:
Zoom Out
Date:
11/29/2017

Output: 14137 lm Power consumption: 387 W Peak: 17176 cd

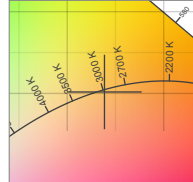
Spectral distribution



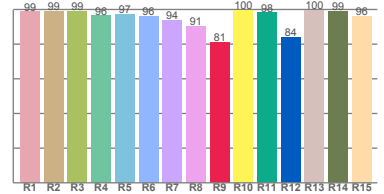
Color coordinates



Zoom color point

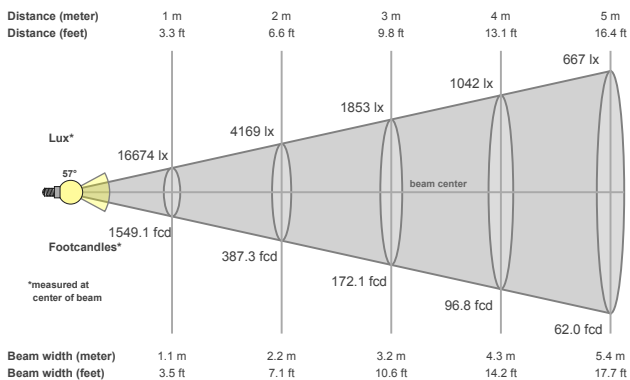


CRI R values



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
2957 K	96.4	81.3	91.0	97.8	93.5	0.439	0.402	0.253	0.347	0.0011

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
56.8°	75.5°	86.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
17176 cd	97.0%	95.8%

Power

Power	Power factor	Power frequency
387 W	1.0	0 Hz

Nominal voltage	Voltage	Current
230 V	118 V	3.28 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
16674lx	4169lx	1853lx	1042lx	667lx	463lx	340lx	261lx	206lx	167lx	138lx	116lx	99lx	85lx	74lx	65lx	58lx	51lx	46lx	42lx
1549.1fcd	387.3fcd	172.1fcd	96.8fcd	62fcd	43fcd	31.6fcd	24.2fcd	19.1fcd	15.5fcd	12.8fcd	10.8fcd	9.2fcd	7.9fcd	6.9fcd	6.1fcd	5.4fcd	4.8fcd	4.3fcd	3.9fcd