

## Light efficiency:

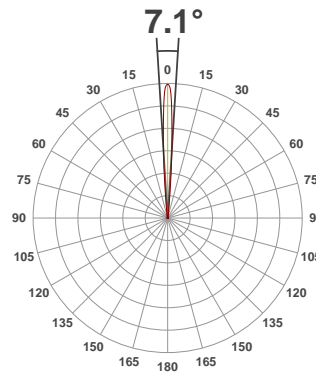
**61 Lumen/Watt**

## Light quality:

**CRI: 91.3**

## Color temperature:

**3000 K**



## Product name:

**Pinhole 90 Fixed\_Accent - LED51 SuperSpot, 3000K, 7°, 500mA**

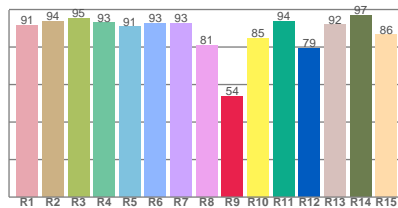
## Item number:

**90413-F/A - LED51SS-30-7-500mA**

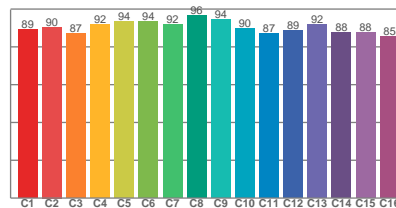
**Delivered information for above fixture and LED combination.**

**Output: 405 Lumen    Peak intensity: 17155 cd    Power consumption: 6.7**

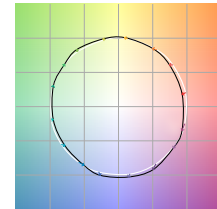
## CRI R values



## TM30 C Values

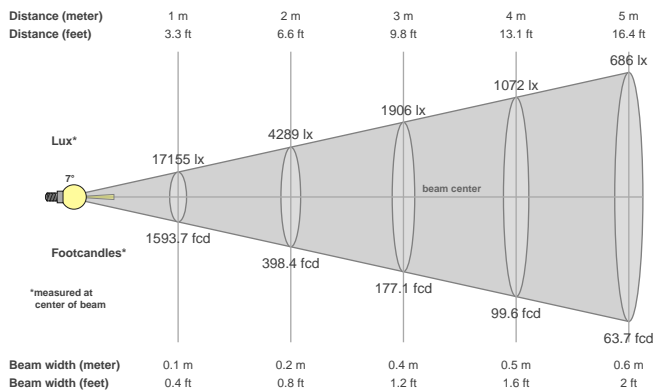


## Color vector graphics



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
3000 K	91.3	53.7	90.4	99.8	90.2	0.437	0.404	0.249	0.349	0.0016

## Beam details



## Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
7.1°	12.7°	20.7°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
17155 cd	98.1%	97.5%

## 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
17155lx	4289lx	1906lx	1072lx	686lx	477lx	350lx	268lx	212lx	172lx	142lx	119lx	102lx	88lx	76lx	67lx	59lx	53lx	48lx	43lx
1593.7fcd	398.4fcd	177.1fcd	99.6fcd	63.7fcd	44.3fcd	32.5fcd	24.9fcd	19.7fcd	15.9fcd	13.2fcd	11.1fcd	9.4fcd	8.1fcd	7.1fcd	6.2fcd	5.5fcd	4.9fcd	4.4fcd	4fcd

The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

For information regarding other colour temperatures please use the following factors for lumen output and candelas:

2700K = 0.9

4000K = 1.08