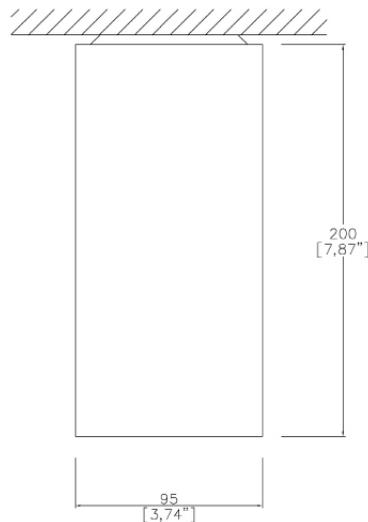


Surface95 Fixed Flare Surface Mounted



95mm (3.74") overall diameter. Surface mounted luminaire with Flare90 Fixed downlight installed with integral driver. Family of matching products also available.



200950-FL-LED-I

LED Source	LED51/2	LED51/2	LED51/2	LED51/2	LED51/U	LED51/U	LED51/U	LED51/U
CCT	3000K							
Drive Current	350mA							
Power inc Driver	14.8W							
Beam Angle	12°	24°	38°	55°	12°	24°	38°	55°
Delivered Lumens	871	925	1031	1141	782	768	911	926
Delivered Intensisty cd	11216	4159	2650	1338	10454	4053	2271	1052
Efficacy lm/w	59	63	70	77	53	52	62	63
Forward Volt	36V							
CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥98 CRI	≥98 CRI	≥98 CRI	≥98 CRI

Project Ref: _____

Location Ref: _____

Fixture Order Code: 200950-FL-LED-I - - - - -

Fixture
200950-FL-LED-I Surface95 Fixed Flare Surface Mounted

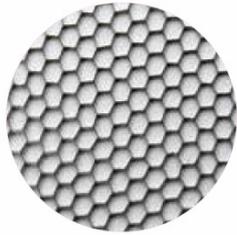
Protocol (Integral Driver)
S Non-dim
P Phase (10% dimming)
A1 Analogue (1% dimming)
A2 Analogue (10% dimming)
D1 DALI (1% dimming)

Finish
WH White
BK Black
RAL Custom RAL Colour*

LED Type
2 LED50 ONE GEN2 (90 CRI)
U LED50 ONE ULTRA (98 CRI)

CCT
27 2700K
30 3000K
40 4000K (90 CRI ONLY)

Beam
12 12°
24 24°
38 38°
55 55°



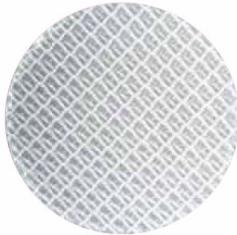
Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

Accessories Order Code:

Louvre/Lens

- LL45 Honeycomb Louvre
- LLCC Warm Tone Lens
- LLUV UV Lens
- LLDF Diffusing Lens
- LLFR Frosted Lens
- LLLS Linear Spread Lens
- LLHS Heavy Spread Lens

Technical Details

*Custom RAL code must be specified. Custom RAL colours can increase prices and lead times

Dimming. Whilst Lucent can offer the majority of its luminaires with various dimming options, it remains the responsibility of the specifier/installer to check and ensure compatibility of any control equipment used. Additional cabling may be required depending on the dimming protocol specified.

***Bluetooth (wireless) is the communication method. The exact dimming protocol must be confirmed to allow the selection of suitable drivers or bluetooth devices.

^ Depth indicated is the minimum recess depth for the luminaire with a remote mounted LED driver. Installing a driver through either the luminaire cut-out or installation kit may require additional recess depth, please refer to the relevant luminaire installation instructions for further details. Data correct at time of publishing

First Fix Requirement. Luminaire comprised of fixture body with ceiling trim and installation kit, which is to be fitted into the ceiling once finished. Ensure correct alignment of the installation kit before final assembly (see luminaire installation instructions for details)

IP Rating. Tested from underside of the ceiling

It is the policy of Lucent Lighting to continually review and improve its products and therefore reserve the right to change any details of product or withdraw specifications without prior notice.

Luminaires designed to comply with EN60598 and all other standards.

This specification sheet superseded all previous versions.

All intellectual property rights pertaining to the product described above and to this document are owned by or licensed to Lucent Lighting Ltd.

We reserve the right to take whatever action is necessary to protect those intellectual property rights.

Please notify Lucent Lighting Ltd of any inaccuracies immediately. E&OE

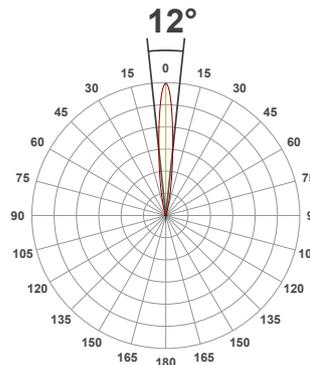
Light efficiency:



Light quality:



Color temperature:



Product name:

Surface95 Flare Fixed/Accent - LED50 ONE GEN2, 3000K, 12°, 350mA

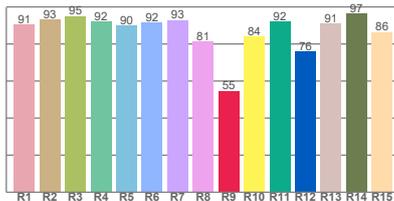
Item number:

200950-FL-LED - LED51/2-30-12-350mA

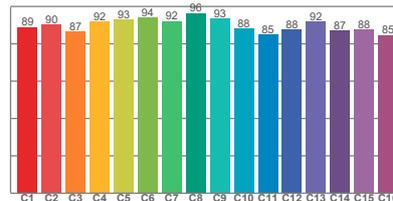
Delivered information for above fixture and LED combination.

Output: 871 Lumen Peak intensity: 11216 cd Power consumption: 14.8

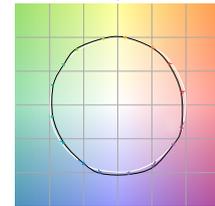
CRI R values



TM30 C Values

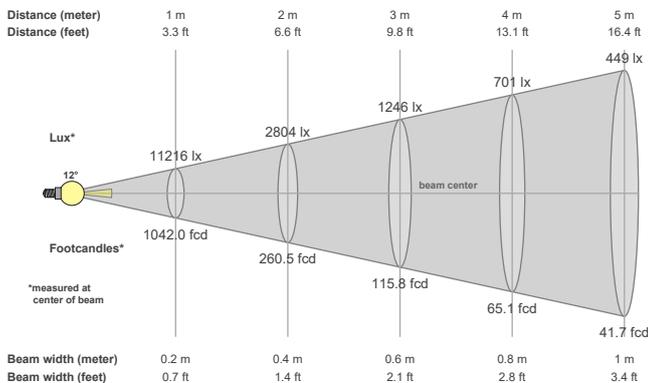


Color vector graphics



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	90.9	54.8	89.9	99.5	89.8	0.437	0.404	0.250	0.349	0.0016

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
12°	25.8°	37.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
11216 cd	98.5%	96.0%

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
11216lx	2804lx	1246lx	701lx	449lx	312lx	229lx	175lx	138lx	112lx	93lx	78lx	66lx	57lx	50lx	44lx	39lx	35lx	31lx	28lx
1042fcd	260.5fcd	115.8fcd	65.1fcd	41.7fcd	28.9fcd	21.3fcd	16.3fcd	12.9fcd	10.4fcd	8.6fcd	7.2fcd	6.2fcd	5.3fcd	4.6fcd	4.1fcd	3.6fcd	3.2fcd	2.9fcd	2.6fcd

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 = 1
- 3500K = 1
- 4000K = 1.084

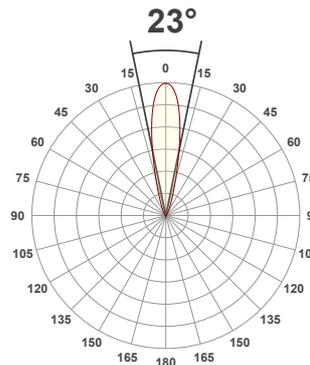
Light efficiency:



Light quality:



Color temperature:



Product name:

Surface95 Flare Fixed/Accent - LED50 ONE GEN2, 3000K, 24°, 350mA

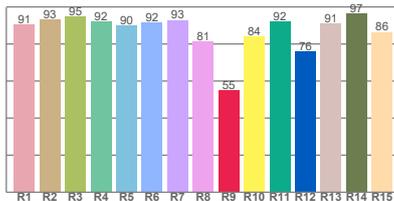
Item number:

200950-FL-LED - LED51/2-30-24-350mA

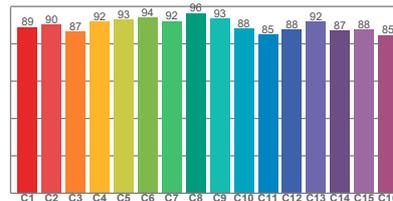
Delivered information for above fixture and LED combination.

Output: 925 Lumen Peak intensity: 4159 cd Power consumption: 14.8

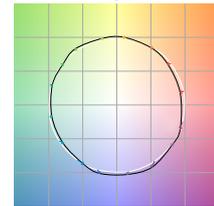
CRI R values



TM30 C Values

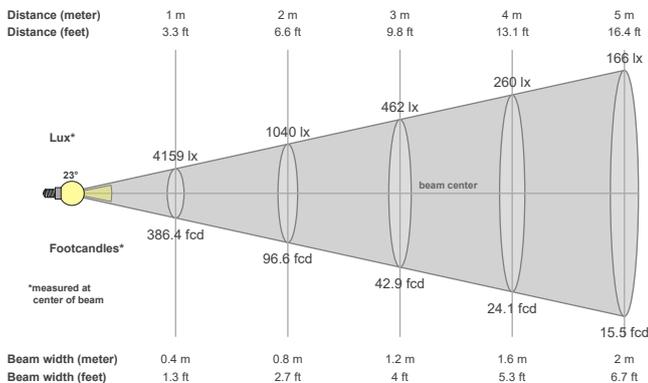


Color vector graphics



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	90.9	55.0	89.9	99.5	89.8	0.437	0.404	0.250	0.349	0.0017

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
23°	44°	68.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4159 cd	98.3%	95.1%

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
4159lx	1040lx	462lx	260lx	166lx	116lx	85lx	65lx	51lx	42lx	34lx	29lx	25lx	21lx	18lx	16lx	14lx	13lx	12lx	10lx
386.4fcd	96.6fcd	42.9fcd	24.1fcd	15.5fcd	10.7fcd	7.9fcd	6fcd	4.8fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

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 = 1
- 3500K = 1
- 4000K = 1.084

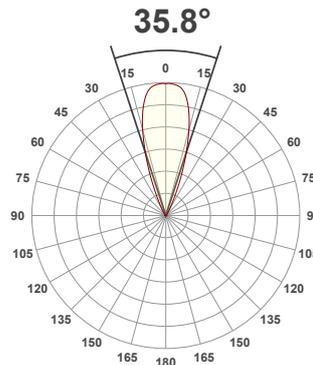
Light efficiency:



Light quality:



Color temperature:



Product name:

Surface95 Flare Fixed/Accent - LED50 ONE GEN2, 3000K, 38°, 350mA

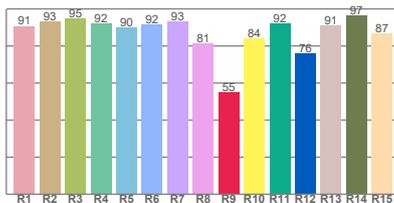
Item number:

200950-FL-LED - LED51/2-30-38-350mA

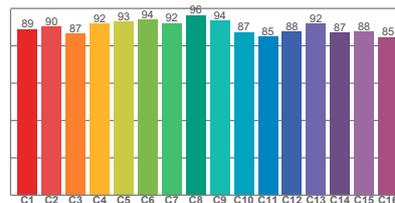
Delivered information for above fixture and LED combination.

Output: 1031 Lumen Peak intensity: 2650 cd Power consumption: 14.8

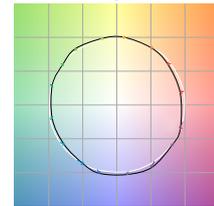
CRI R values



TM30 C Values

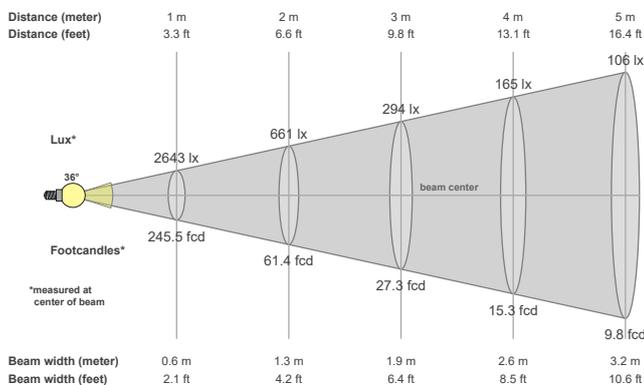


Color vector graphics



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	90.9	55.1	89.9	99.6	89.8	0.437	0.404	0.249	0.349	0.0016

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
35.8°	54.5°	73.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2650 cd	98.6%	96.6%

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
2643lx	661lx	294lx	165lx	106lx	73lx	54lx	41lx	33lx	26lx	22lx	18lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	7lx
245.5fcd	61.4fcd	27.3fcd	15.3fcd	9.8fcd	6.8fcd	5fcd	3.8fcd	3fcd	2.5fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.8fcd	0.7fcd	0.6fcd

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 = 1
- 3500K = 1
- 4000K = 1.084

Light efficiency:

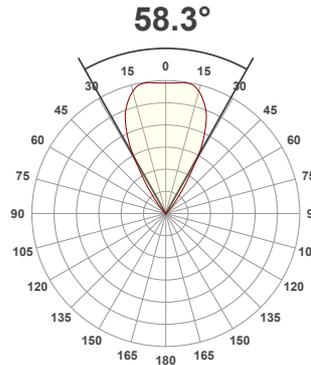
77 Lumen/Watt

Light quality:

CRI: 92.2

Color temperature:

3000 K



Product name:

Surface95 Flare Fixed/Accent - LED50 ONE GEN2, 3000K, 55°, 350mA

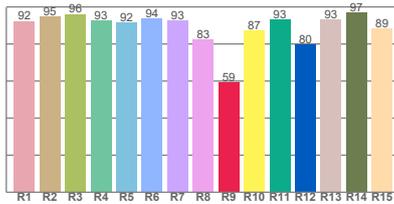
Item number:

200950-FL-LED - LED51/2-30-55-350mA

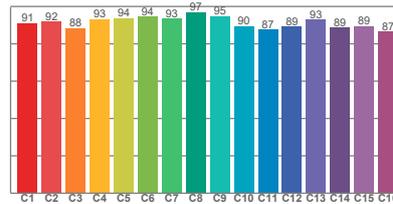
Delivered information for above fixture and LED combination.

Output: 1141 Lumen Peak intensity: 1338 cd Power consumption: 14.8

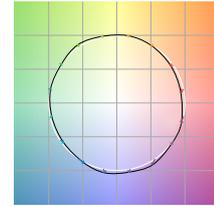
CRI R values



TM30 C Values

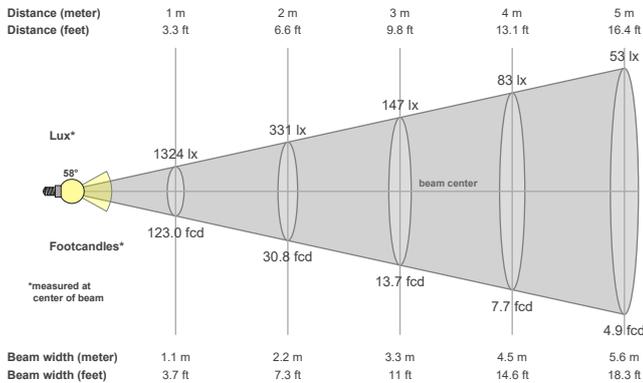


Color vector graphics



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	92.2	59.3	91.4	100.2	90.3	0.437	0.404	0.249	0.347	-0.0003

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
58.3°	79°	93.5°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1338 cd	99.7%	97.9%

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
1324lx	331lx	147lx	83lx	53lx	37lx	27lx	21lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
123fcd	30.8fcd	13.7fcd	7.7fcd	4.9fcd	3.4fcd	2.5fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

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 = 1
 3500K = 1
 4000K = 1.084

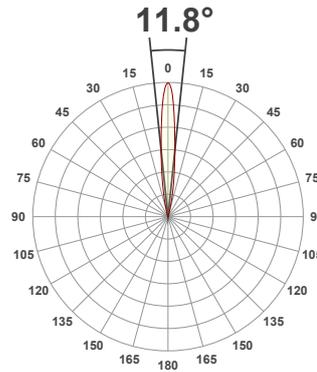
Light efficiency:



Light quality:



Color temperature:



Product name:

**Surface95 Flare - LED50 ONE
ULTRA 3000K 12° 350mA**

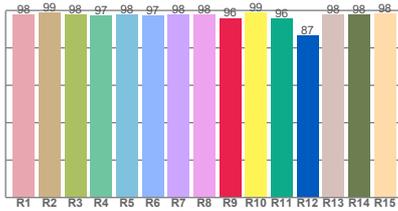
Item number:

**200950-FL-LED -
LED51/U-30-12-350mA**

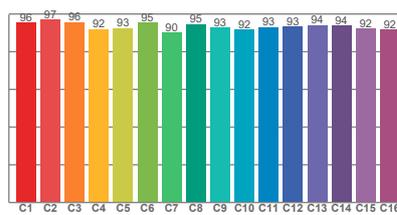
**Delivered information for above
fixture and LED combination.**

Output: 782 Lumen Peak intensity: 10454 cd Power consumption: 14.8

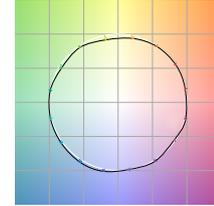
CRI R values



TM30 C Values

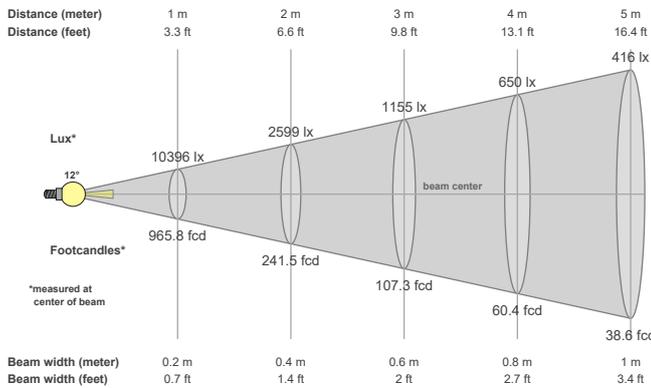


Color vector graphics



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	97.8	96.0	93.6	98.8	94.8	0.437	0.404	0.249	0.349	0.0016

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.8°	25.5°	36°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10454 cd	98.8%	96.5%

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
10396lx	2599lx	1155lx	650lx	416lx	289lx	212lx	162lx	128lx	104lx	86lx	72lx	62lx	53lx	46lx	41lx	36lx	32lx	29lx	26lx
965.8fcd	241.5fcd	107.3fcd	60.4fcd	38.6fcd	26.8fcd	19.7fcd	15.1fcd	11.9fcd	9.7fcd	8fcd	6.7fcd	5.7fcd	4.9fcd	4.3fcd	3.8fcd	3.3fcd	3fcd	2.7fcd	2.4fcd

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 = 1

Light efficiency:

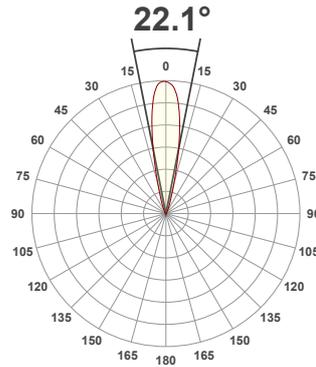
52 Lumen/Watt

Light quality:

CRI: 97.7

Color temperature:

3000 K



Product name:

**Surface95 Flare - LED50 ONE
ULTRA 3000K 24° 350mA**

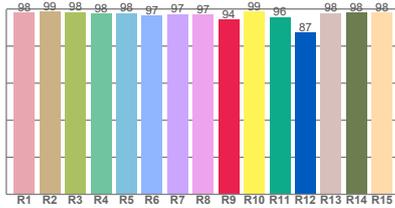
Item number:

**200950-FL-LED -
LED51/U-30-24-350mA**

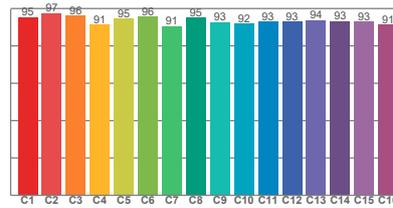
**Delivered information for above
fixture and LED combination.**

Output: 768 Lumen Peak intensity: 4053 cd Power consumption: 14.8

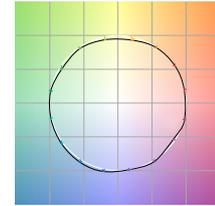
CRI R values



TM30 C Values

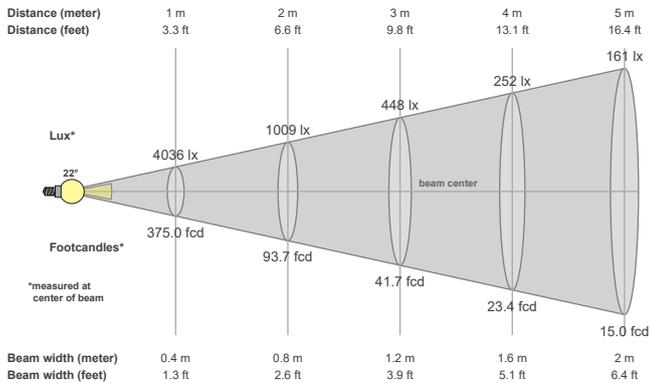


Color vector graphics



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	97.7	94.3	93.8	98.9	95.2	0.437	0.404	0.251	0.349	0.0009

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.1°	39.1°	60.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4053 cd	98.8%	96.4%

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
4036lx	1009lx	448lx	252lx	161lx	112lx	82lx	63lx	50lx	40lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx
375fcd	93.7fcd	41.7fcd	23.4fcd	15fcd	10.4fcd	7.7fcd	5.9fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

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 = 1

Light efficiency:

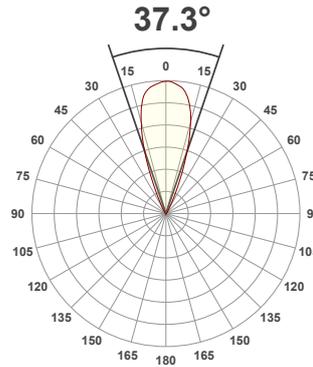
62 Lumen/Watt

Light quality:

CRI: 98.0

Color temperature:

3000 K



Product name:

**Surface95 Flare - LED50 ONE
ULTRA 3000K 38° 350mA**

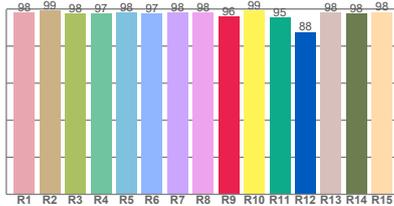
Item number:

**200950-FL-LED -
LED51/U-30-38-350mA**

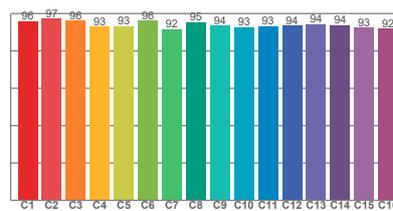
**Delivered information for above
fixture and LED combination.**

Output: 911 Lumen Peak intensity: 2271 cd Power consumption: 14.8

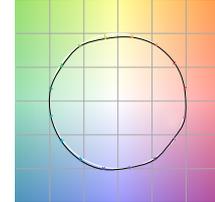
CRI R values



TM30 C Values

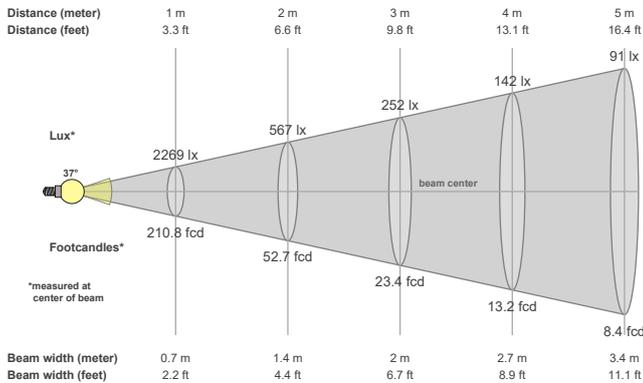


Color vector graphics



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	98.0	95.9	94.2	99.3	95.3	0.437	0.404	0.250	0.349	0.0013

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
37.3°	54.4°	74°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2271 cd	99.2%	97.3%

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
2269lx	567lx	252lx	142lx	91lx	63lx	46lx	35lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
210.8 fcd	52.7 fcd	23.4 fcd	13.2 fcd	8.4 fcd	5.9 fcd	4.3 fcd	3.3 fcd	2.6 fcd	2.1 fcd	1.7 fcd	1.5 fcd	1.2 fcd	1.1 fcd	0.9 fcd	0.8 fcd	0.7 fcd	0.7 fcd	0.6 fcd	0.5 fcd

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 = 1

Light efficiency:

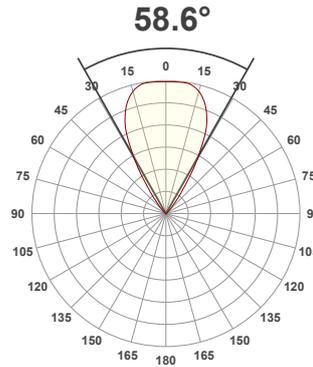
63 Lumen/Watt

Light quality:

CRI: 98.0

Color temperature:

3000 K



Product name:

**Surface95 Flare - LED50 ONE
ULTRA 3000K 55° 350mA**

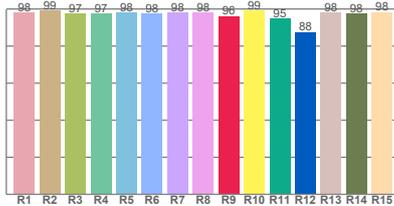
Item number:

**200950-FL-LED -
LED51/U-30-55-350mA**

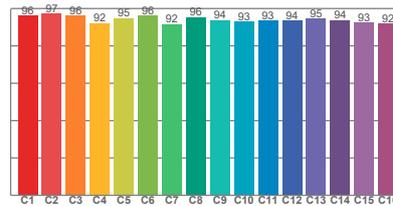
**Delivered information for above
fixture and LED combination.**

Output: 926 Lumen Peak intensity: 1052 cd Power consumption: 14.8

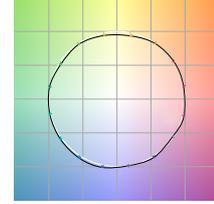
CRI R values



TM30 C Values

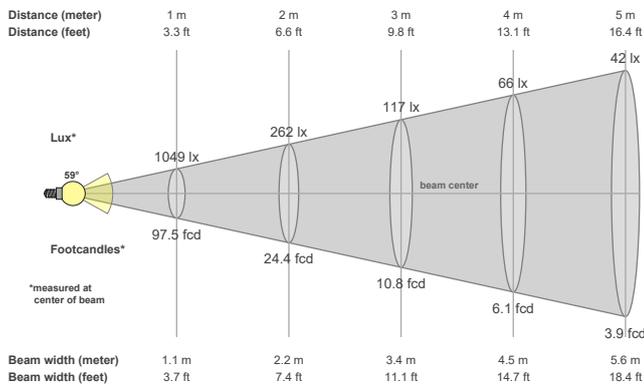


Color vector graphics



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	98.0	96.2	94.3	99.4	95.3	0.437	0.404	0.250	0.349	0.0014

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
58.6°	79.7°	96.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1052 cd	99.1%	96.6%

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
1049lx	262lx	117lx	66lx	42lx	29lx	21lx	16lx	13lx	10lx	9lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
97.5fcd	24.4fcd	10.8fcd	6.1fcd	3.9fcd	2.7fcd	2fcd	1.5fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd

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 = 1