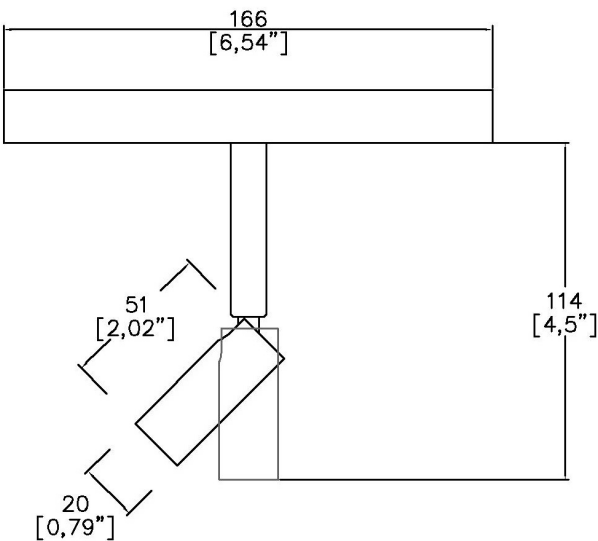


FineLine System TubeLED Nano



20mm (0.79”) overall diameter. Miniature low voltage LED tubular spotlight. TubeLED Spotlight for use in FineLine Profile system. Family of matching products also available.



1100-LED-FLS

LED Source	LED	LED	LED
CCT	3000K	3000K	3000K
Drive Current	700mA	700mA	700mA
Supply Voltage	48v	48v	48v
Power inc Driver	2.6W	2.6W	2.6W
Beam Angle	15°	25°	30°
Delivered Lumens	150	165	146
Delivered Intensisty cd	1368	783	505
Efficacy lm/w	58	65	57
Forward Volt	3V	3V	3V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code:

1100-LED

 - - - - -

FLS

Fixture

1100-LED

TubeLED Nano

CCT

927

930

90 CRI 2700K

90 CRI 3000K

Beam

15

25

30

15°

25°

30°

Protocol

S

A

D

B

Non-Dim

Analogue (0-10v)

DALI

Bluetooth**

Finish

WH

BK

RAL

White

Black

Custom RAL Finish

Fixing

FLS

FineLine System

Please refer to installation instruction for wiring diagram

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.

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This specification sheet superseded all previous versions.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:

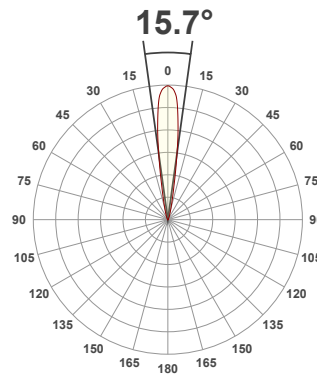
58 Lumen/Watt

Light quality:

CRI: 92.2

Color temperature:

3000 K



Product name:

TubeLED Nano, 3000K, 15°, 700mA

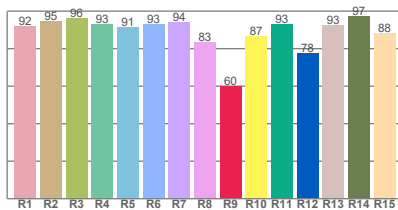
Item number:

1100-LED-930-15-700mA

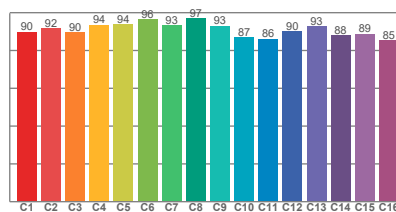
Delivered information for above fixture and LED combination.

Output: 150 Lumen Peak intensity: 1368 cd Power consumption: 2.6

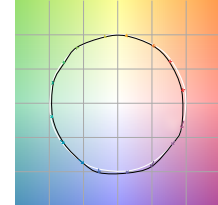
CRI R values



TM30 C Values

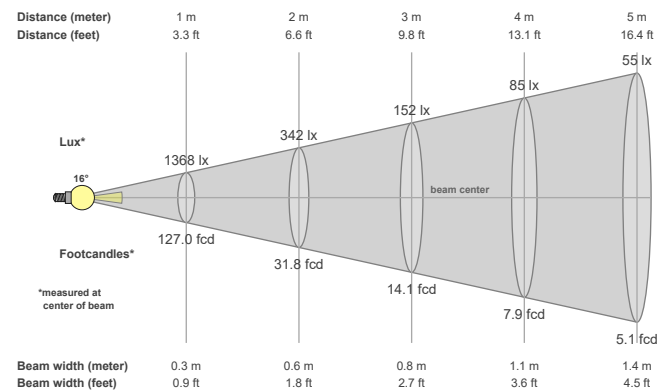


Color vector graphics



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	59.9	91.0	98.8	91.2	0.437	0.404	0.245	0.347	0.0018

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
15.7°	28.9°	49°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1368 cd	98.8%	96.2%

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
1368lx	342lx	152lx	85lx	55lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
127fcd	31.8fcd	14.1fcd	7.9fcd	5.1fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	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 = 0.82
4000K = 1.11

Light efficiency:

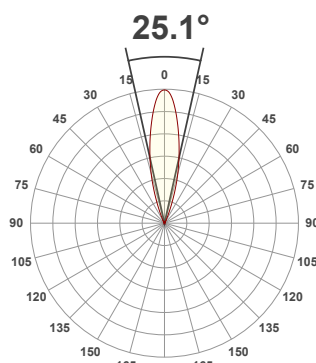
65 Lumen/Watt

Light quality:

CRI: 92.2

Color temperature:

3000 K



Product name:

TubeLED Nano, 3000K, 25°, 700mA

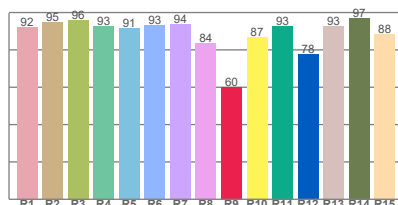
Item number:

1100-LED-930-25-700mA

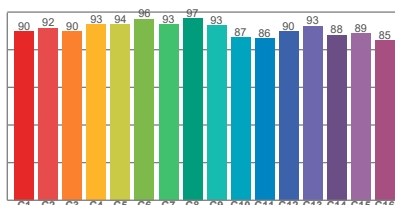
Delivered information for above fixture and LED combination.

Output: 165 Lumen Peak intensity: 783 cd Power consumption: 2.6

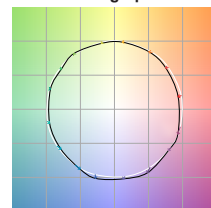
CRI R values



TM30 C Values

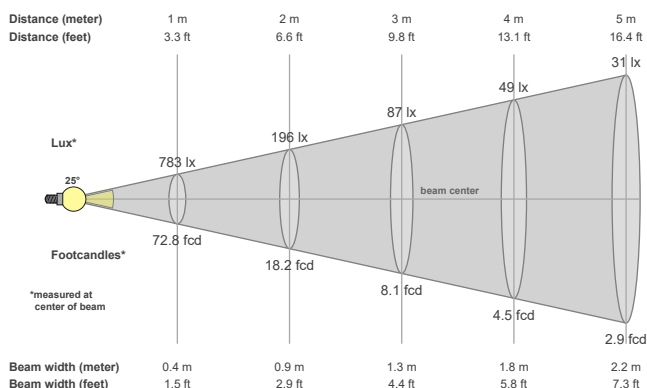


Color vector graphics



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	60.1	90.9	98.8	91.1	0.437	0.404	0.244	0.347	0.0016

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
25.1°	44.4°	54.8°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
783 cd	99.3%	99.0%

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
783lx	196lx	87lx	49lx	31lx	22lx	16lx	12lx	10lx	8lx	6lx	5lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx
72.8fcd	18.2fcd	8.1fcd	4.5fcd	2.9fcd	2fcd	1.5fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	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 = 0.82

4000K = 1.11

Light efficiency:

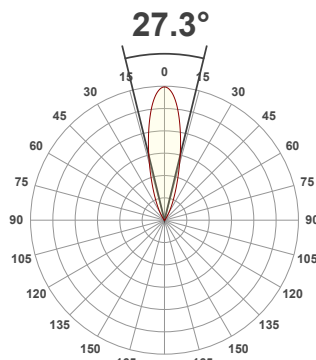
57 Lumen/Watt

Light quality:

CRI: 92.2

Color temperature:

3000 K



Product name:

TubeLED Nano, 3000K, 30°, 700mA

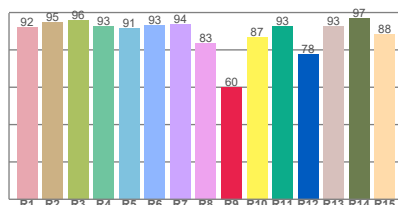
Item number:

1100-LED-930-30-700mA

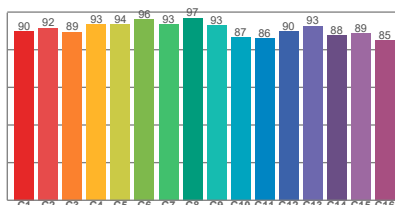
Delivered information for above fixture and LED combination.

Output: 146 Lumen Peak intensity: 505 cd Power consumption: 2.6

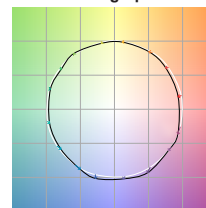
CRI R values



TM30 C Values

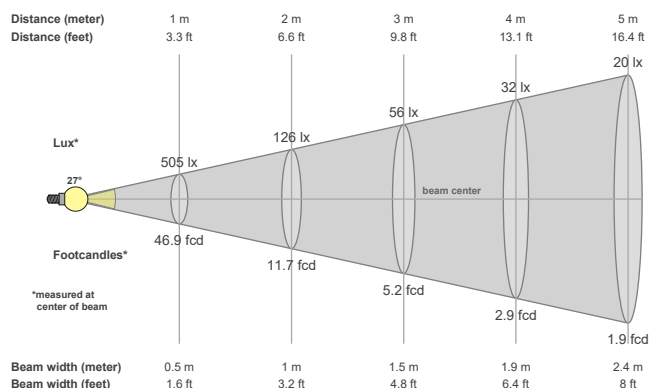


Color vector graphics



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	60.1	90.8	98.9	91.1	0.437	0.404	0.245	0.347	0.0015

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
27.3°	54.6°	72.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
505 cd	99.3%	98.8%

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
505lx	126lx	56lx	32lx	20lx	14lx	10lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
46.9fcd	11.7fcd	5.2fcd	2.9fcd	1.9fcd	1.3fcd	1fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd

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:

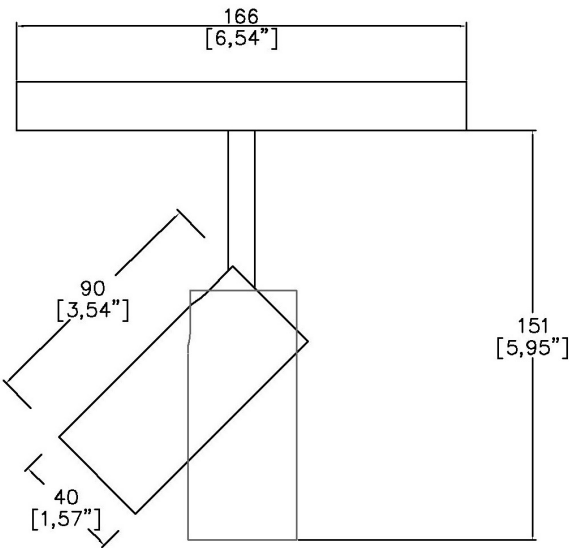
2700K = 0.82

4000K = 1.11

FineLine System
TubeLED Micro



40mm (1.57") overall diameter. Miniature low voltage LED tubular spotlight. TubeLED Spotlight for use in FineLine Profile system. Family of matching products also available.



6100-LED-FLS

LED Source	LED	LED	LED
CCT	3000K	3000K	3000K
Drive Current	350mA	350mA	350mA
Supply Voltage	48v	48v	48v
Power inc Driver	7.4W	7.4W	7.4W
Beam Angle	15°	24°	36°
Delivered Lumens	511	478	439
Delivered Intensisty cd	3478	2348	1344
Efficacy lm/w	69	64	59
Forward Volt	18V	18V	18V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code:

6100-LED

 - - - - - -

FLS

Fixture

6100-LED

TubeLED Micro

CCT

927

930

90 CRI 2700K

90 CRI 3000K

Beam

15

24

36

15°

24°

36°

Protocol

S

A

D

B

Non-Dim

Analogue (0-10v)

DALI

Bluetooth**

Colour Insert

SN

SG

CP

BZ

(Blank)

Satin Nickel

Satin Gold

Copper

Bronze

Not required standard black to be supplied

Finish

WH

BK

RAL

White

Black

Custom RAL Finish

Fixing

FLS

FineLine System

Please refer to installation instruction for wiring diagram

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.

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.

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Light efficiency:

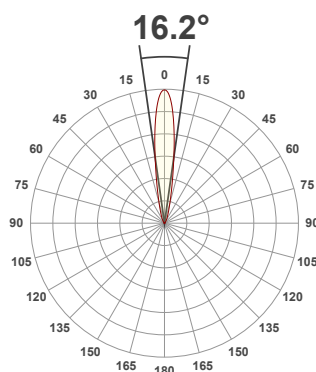
69 Lumen/Watt

Light quality:

CRI: 91.4

Color temperature:

3000 K



Product name:

TubeLED Micro, 3000K, 15°, 350mA

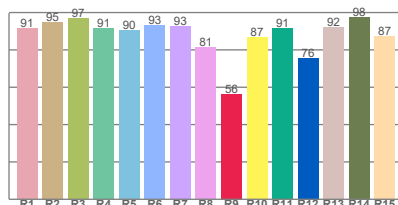
Item number:

6100-LED-930-15-350mA

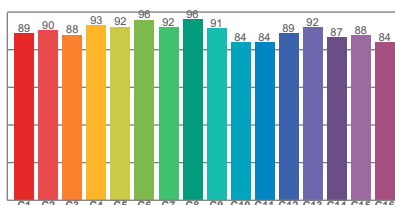
Delivered information for above fixture and LED combination.

Output: 511 Lumen Peak intensity: 3478 cd Power consumption: 7.4

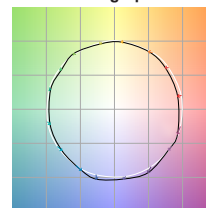
CRI R values



TM30 C Values

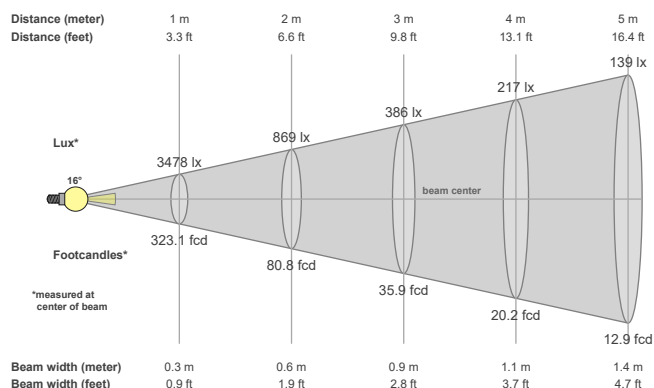


Color vector graphics



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	91.4	56.2	89.5	98.6	89.9	0.437	0.404	0.247	0.347	0.0007

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
16.2°	36.5°	64.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3478 cd	97.1%	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
3478lx	869lx	386lx	217lx	139lx	97lx	71lx	54lx	43lx	35lx	29lx	24lx	21lx	18lx	15lx	14lx	12lx	11lx	10lx	9lx
323.1fcd	80.8fcd	35.9fcd	20.2fcd	12.9fcd	9fcd	6.6fcd	5fcd	4fcd	3.2fcd	2.7fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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 = 0.941

4000K = 1.065

Light efficiency:

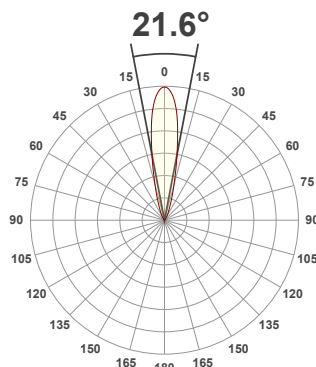
64 Lumen/Watt

Light quality:

CRI: 91.3

Color temperature:

3000 K



Product name:

TubeLED Micro, 3000K, 24°, 350mA

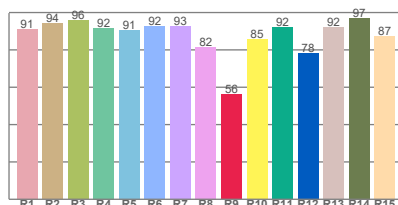
Item number:

6100-LED-930-24-350mA

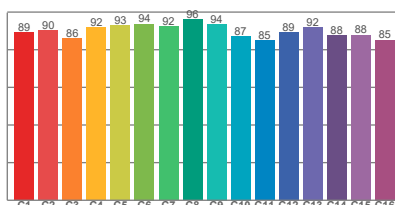
Delivered information for above fixture and LED combination.

Output: 478 Lumen Peak intensity: 2348 cd Power consumption: 7.4

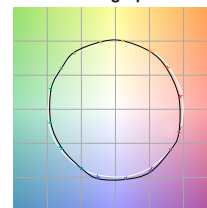
CRI R values



TM30 C Values

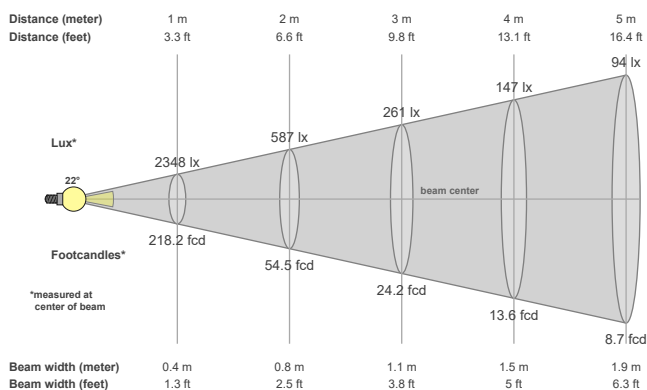


Color vector graphics



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	56.2	90.0	99.9	89.7	0.437	0.404	0.248	0.347	0.0002

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
21.6°	44.2°	66.9°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2348 cd	99.4%	98.7%

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
2348lx	587lx	261lx	147lx	94lx	65lx	48lx	37lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx	6lx
218.2fcd	54.5fcd	24.2fcd	13.6fcd	8.7fcd	6.1fcd	4.5fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd

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 = 0.941

4000K = 1.065

Light efficiency:

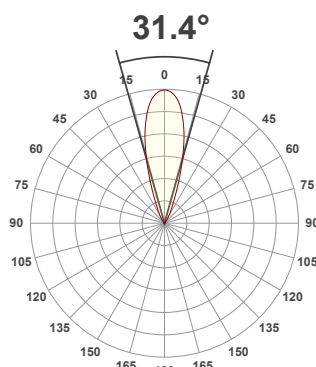
59 Lumen/Watt

Light quality:

CRI: 91.3

Color temperature:

3000 K



Product name:

TubeLED Micro, 3000K, 36°, 350mA

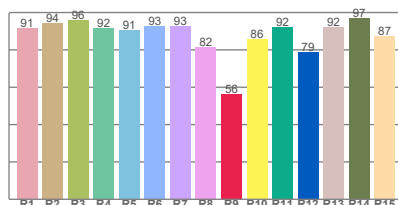
Item number:

6100-LED-930-36-350mA

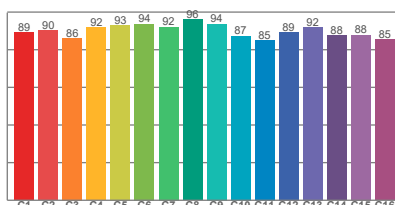
Delivered information for above fixture and LED combination.

Output: 439 Lumen Peak intensity: 1344 cd Power consumption: 7.4

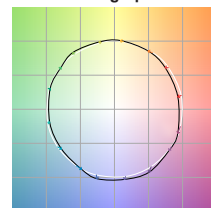
CRI R values



TM30 C Values

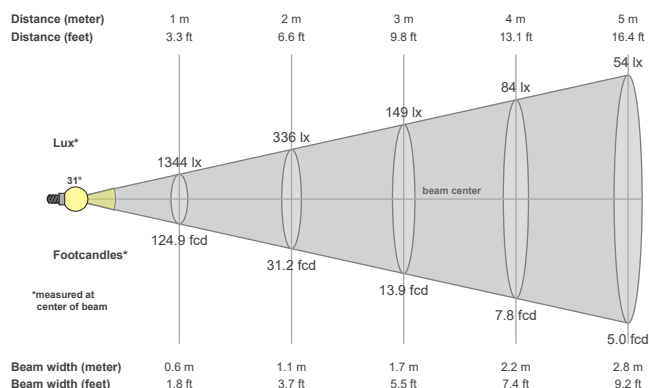


Color vector graphics



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	56.3	90.0	99.9	89.7	0.437	0.404	0.248	0.347	0.0001

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
31.4°	54.6°	72.8°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1344 cd	99.4%	98.5%

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
1344lx	336lx	149lx	84lx	54lx	37lx	27lx	21lx	17lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
124.9fcd	31.2fcd	13.9fcd	7.8fcd	5fcd	3.5fcd	2.5fcd	2fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	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:

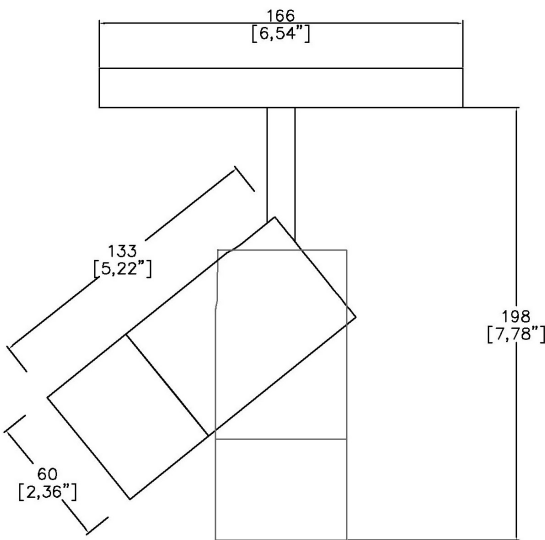
2700K = 0.941

4000K = 1.065

FineLine System
TubeLED Mini



60mm (2.36”) overall diameter. Miniature low voltage LED tubular spotlight. TubeLED Spotlight for use in FineLine Profile system. Family of matching products also available.



7100/2-LED-FLS

LED Source	LED	LED	LED
CCT	3000K	3000K	3000K
Drive Current	380mA	380mA	380mA
Supply Voltage	48v	48v	48v
Power inc Driver	14.8W	14.8W	14.8W
Beam Angle	12°	24°	38°
Delivered Lumens	975	936	1049
Delivered Intensisty cd	13942	4668	2911
Efficacy lm/w	66	63	71
Forward Volt	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code:

7100/2-LED

 - - - - - -

FLS

Fixture

7100/2-LED

TubeLED Mini GEN2

CCT

927

930

940

90 CRI 2700K

90 CRI 3000K

90 CRI 4000K

Beam

12

24

38

12°

24°

38°

Protocol

S

A

D

B

Non-Dim

Analogue (0-10v)

DALI

Bluetooth**

Colour Insert

SN

SG

CP

BZ

(Blank)

Satin Nickel

Satin Gold

Copper

Bronze

Not required standard black to be supplied

Finish

WH

BK

RAL

White

Black

Custom RAL Finish

Fixing

FLS

FineLine System

Please refer to installation instruction for wiring diagram

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.

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:

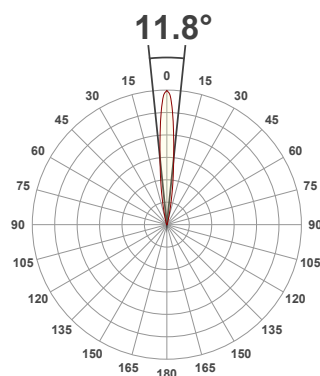
66 Lumen/Watt

Light quality:

CRI: 92.3

Color temperature:

3000 K



Product name:

TubeLED Mini GEN2, 3000K, 12°

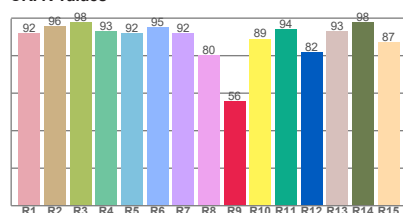
Item number:

7100/2-LED-930-12

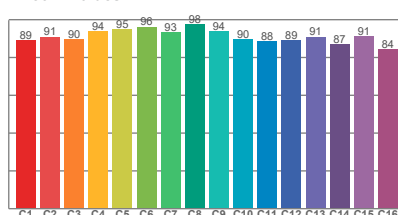
**Delivered information for
above fixture and LED
combination.**

Output: 975 Lumen Peak intensity: 13942 cd Power consumption: 14.8

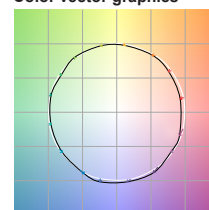
CRI R values



TM30 C Values

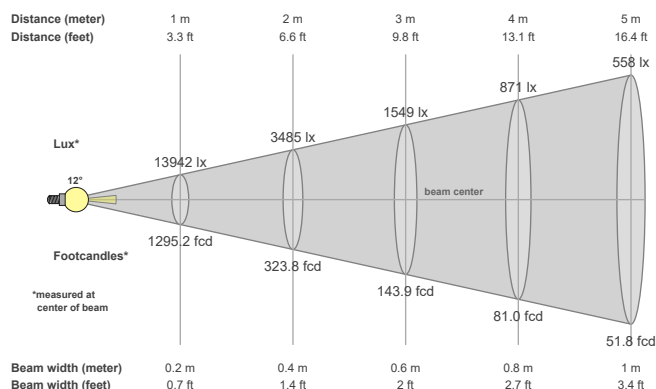


Color vector graphics



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3000 K	92.3	56.0	91.1	98.4	90.7	0.437	0.404	0.260	0.352	0.0013

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.8°	25°	35.5°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
13942 cd	99.2%	98.4%

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
13942lx	3485lx	1549lx	871lx	558lx	387lx	285lx	218lx	172lx	139lx	115lx	97lx	82lx	71lx	62lx	54lx	48lx	43lx	39lx	35lx
1295.2fcd	323.8fcd	143.9fcd	81fcd	51.8fcd	36fcd	26.4fcd	20.2fcd	16fcd	13fcd	10.7fcd	9fcd	7.7fcd	6.6fcd	5.8fcd	5.1fcd	4.5fcd	4fcd	3.6fcd	3.2fcd

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
4000K = 1.084

Light efficiency:

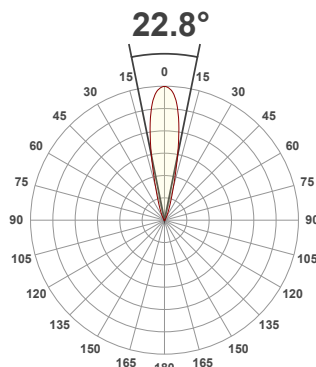
63 Lumen/Watt

Light quality:

CRI: 92.3

Color temperature:

3000 K



Product name:

TubeLED Mini GEN2, 3000K, 24°

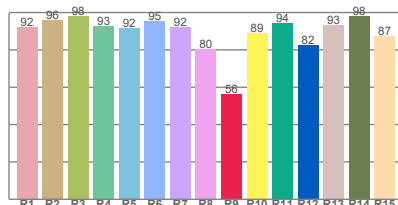
Item number:

7100/2-LED-930-24

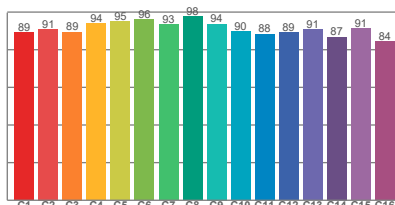
**Delivered information for
above fixture and LED
combination.**

Output: 936 Lumen Peak intensity: 4668 cd Power consumption: 14.8

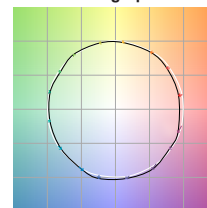
CRI R values



TM30 C Values

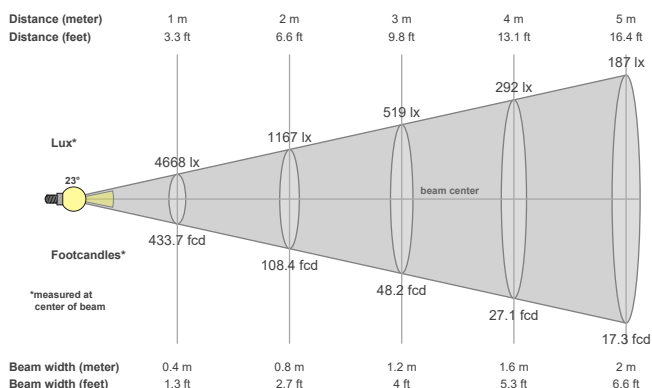


Color vector graphics



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	92.3	56.1	91.1	98.4	90.7	0.437	0.404	0.260	0.352	0.0011

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.8°	42.1°	63.8°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4668 cd	99.5%	98.3%

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
4668lx	1167lx	519lx	292lx	187lx	130lx	95lx	73lx	58lx	47lx	39lx	32lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
433.7fcd	108.4fcd	48.2fcd	27.1fcd	17.3fcd	12fcd	8.9fcd	6.8fcd	5.4fcd	4.3fcd	3.6fcd	3fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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
4000K = 1.084

Light efficiency:

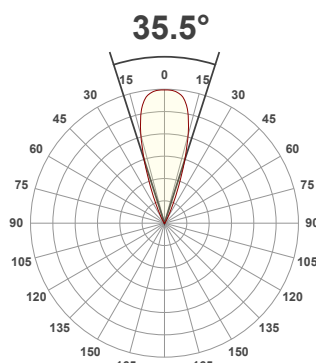
71 Lumen/Watt

Light quality:

CRI: 92.4

Color temperature:

3000 K



Product name:

TubeLED Mini GEN2, 3000K, 38°

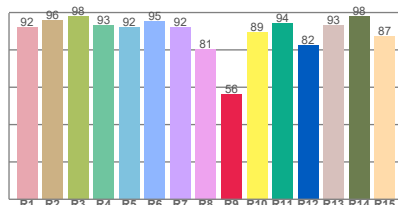
Item number:

7100/2-LED-930-38

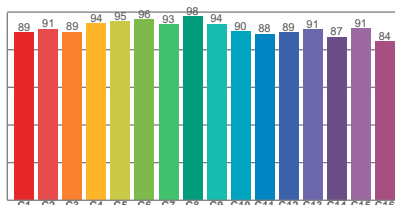
Delivered information for above fixture and LED combination.

Output: 1049 Lumen Peak intensity: 2911 cd Power consumption: 14.8

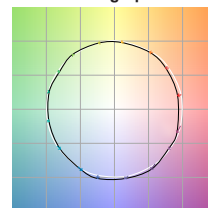
CRI R values



TM30 C Values

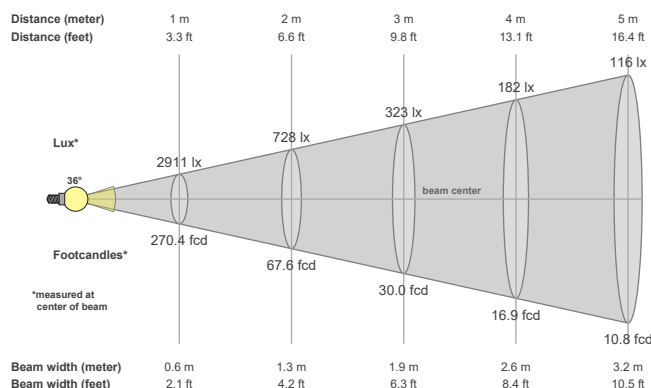


Color vector graphics



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	92.4	56.3	91.1	98.4	90.7	0.437	0.404	0.260	0.352	0.0011

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
35.5°	52.5°	67.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2911 cd	99.3%	98.5%

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
2911lx	728lx	323lx	182lx	116lx	81lx	59lx	45lx	36lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
270.4fcd	67.6fcd	30fcd	16.9fcd	10.8fcd	7.5fcd	5.5fcd	4.2fcd	3.3fcd	2.7fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd

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

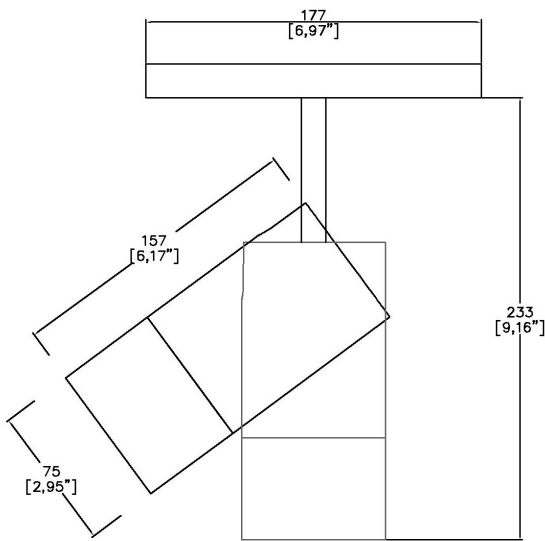
For information regarding other colour temperatures please use the following factors for lumen output and candelas:

2700K = 1
4000K = 1.084

FineLine System
TubeLED Midi



75mm (2.95") overall diameter. Miniature low voltage LED tubular spotlight. TubeLED Spotlight for use in FineLine Profile system. Family of matching products also available.



9100/2-LED-FLS

LED Source	LED	LED	LED
CCT	3000K	3000K	3000K
Drive Current	525mA	525mA	525mA
Power inc Driver	22W	22W	22W
Beam Angle	12°	19°	34°
Delivered Lumens	1340	1185	1226
Delivered Intensisty cd	20036	9215	3923
Efficacy lm/w	61	54	56
Forward Volt	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code: 9100/2-LED - - - - - FLS

Fixture	9100/2-LED	TubeLED Midi
CCT	927	90 CRI 2700K
	930	90 CRI 3000K
	940	90 CRI 4000K
Beam	12	12°
	19	19°
	34	34°
Protocol	S	Non-Dim
	A	Analogue (0-10v)
	D	DALI
	B	Bluetooth**
Colour Insert	SN	Satin Nickel
	SG	Satin Gold
	CP	Copper
	BZ	Bronze
	(Blank)	Not required standard black to be supplied
Finish	WH	White
	BK	Black
	RAL	Custom RAL Finish
Fixing	FLS	FineLine System

Please refer to installation instruction for wiring diagram

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 bluetooth devices, which may need to be mounted remotely from the spotlight.

First Fix Requirement. Please refer to installation instructions for for first fix requirements for the monopoint types.
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.

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

Light efficiency:

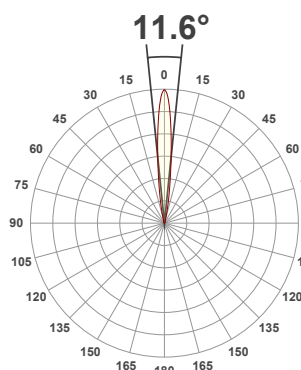
61 Lumen/Watt

Light quality:

CRI: 90.4

Color temperature:

3000 K



Product name:

9100_2-LED-930-12

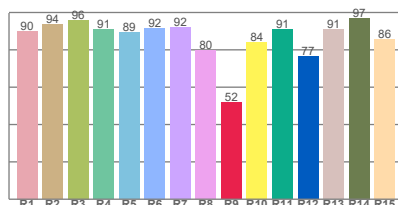
Item number:

TubeLED Midi 3000K 12deg

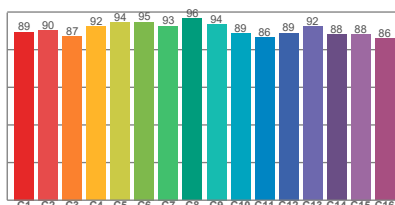
Delivered information for above fixture and LED combination.

Output: 1340 Lumen Peak intensity: 20036 cd Power consumption: 22.0

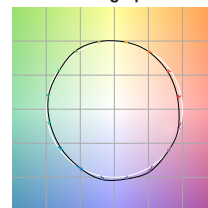
CRI R values



TM30 C Values

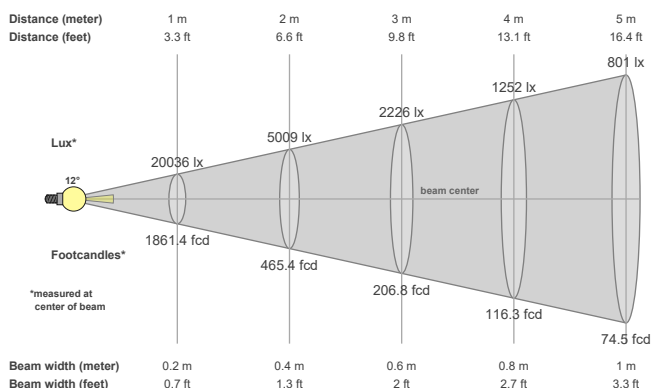


Color vector graphics



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	90.4	51.8	90.6	99.2	89.1	0.437	0.404	0.251	0.349	0.0010

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.6°	24.1°	35.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
20036 cd	99.4%	98.6%

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
20036lx	5009lx	2226lx	1252lx	801lx	557lx	409lx	313lx	247lx	200lx	166lx	139lx	119lx	102lx	89lx	78lx	69lx	62lx	56lx	50lx
1861.4fcd	465.4fcd	206.8fcd	116.3fcd	74.5fcd	51.7fcd	38fcd	29.1fcd	23fcd	18.6fcd	15.4fcd	12.9fcd	11fcd	9.5fcd	8.3fcd	7.3fcd	6.4fcd	5.7fcd	5.2fcd	4.7fcd

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
4000K = 1.084

Light efficiency:

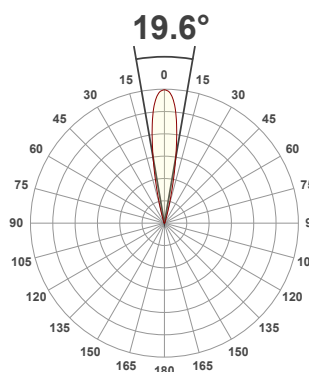
54 Lumen/Watt

Light quality:

CRI: 90.4

Color temperature:

3000 K



Product name:

9100_2-LED-930-19

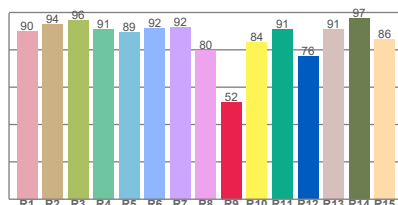
Item number:

TubeLED Midi 3000K 19deg

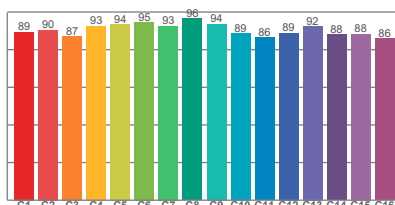
Delivered information for above fixture and LED combination.

Output: 1185 Lumen Peak intensity: 9215 cd Power consumption: 22.0

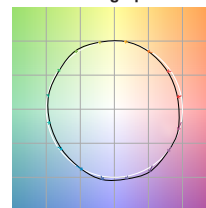
CRI R values



TM30 C Values

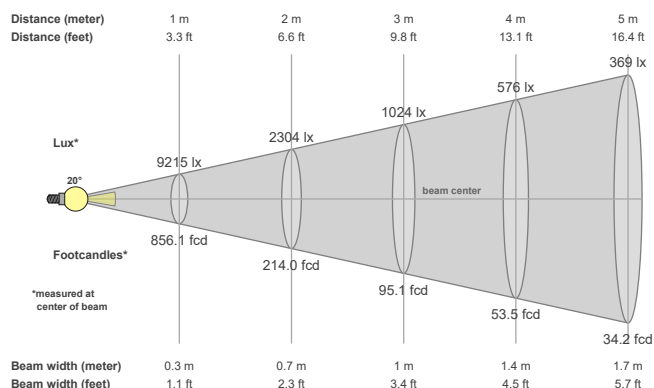


Color vector graphics



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	90.4	52.0	90.6	99.3	89.2	0.437	0.404	0.250	0.348	0.0010

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
19.6°	31.9°	43°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
9215 cd	99.6%	98.7%

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
9215lx	2304lx	1024lx	576lx	369lx	256lx	188lx	144lx	114lx	92lx	76lx	64lx	55lx	47lx	41lx	36lx	32lx	28lx	26lx	23lx
856.1fcd	214fcd	95.1fcd	53.5fcd	34.2fcd	23.8fcd	17.5fcd	13.4fcd	10.6fcd	8.6fcd	7.1fcd	5.9fcd	5.1fcd	4.4fcd	3.8fcd	3.3fcd	3fcd	2.6fcd	2.4fcd	2.1fcd

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
4000K = 1.084

Light efficiency:

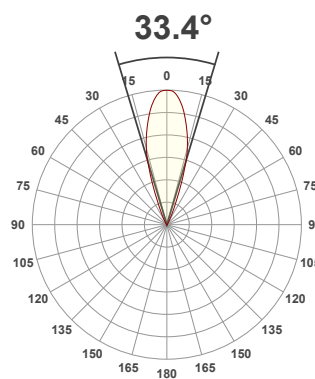
56 Lumen/Watt

Light quality:

CRI: 90.4

Color temperature:

3000 K



Product name:

9100_2-LED-930-34

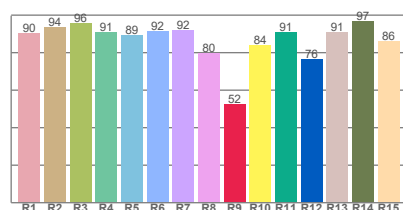
Item number:

TubeLED Midi 3000K 34deg

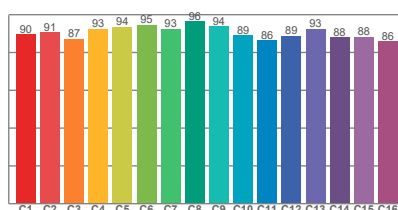
Delivered information for above fixture and LED combination.

Output: 1226 Lumen Peak intensity: 3923 cd Power consumption: 22.0

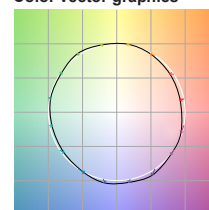
CRI R values



TM30 C Values

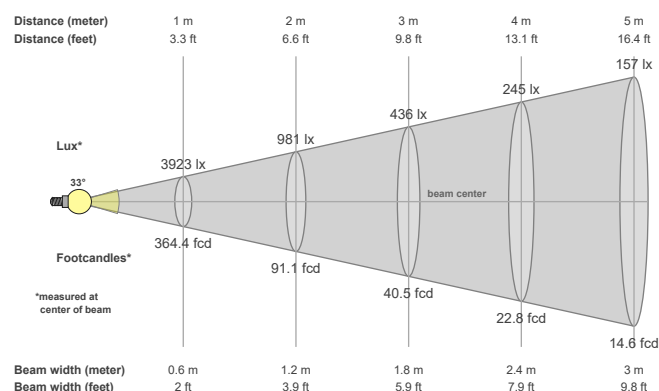


Color vector graphics



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	90.4	52.3	90.6	99.4	89.2	0.437	0.404	0.250	0.348	0.0010

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
33.4°	49.8°	66.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3923 cd	99.5%	98.5%

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
3923lx	981lx	436lx	245lx	157lx	109lx	80lx	61lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx	10lx
364.4fcd	91.1fcd	40.5fcd	22.8fcd	14.6fcd	10.1fcd	7.4fcd	5.7fcd	4.5fcd	3.6fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	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
4000K = 1.084