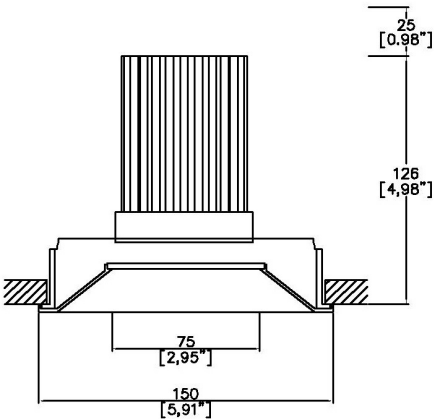


ProSpex Plus XL Conical Fixed Trim



150mm (5.90") overall trim diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^



090+XL-LED-TR
Cut-out 142mm Ø

LED Source	LED71WD	LED71WD	LED71WD
CCT	3000K	3000K	3000K
Drive Current	1000mA	1000mA	1000mA
Power inc Driver	27.0W	27.0W	27.0W
Beam Angle	19°	23°	42°
Delivered Lumens	1652	1602	1576
Delivered Intensisty cd	6254	4851	2233
Efficacy lm/w	62	59	59
Forward Volt	23V	23V	23V

Test results at full output

Project Ref: _____

Location Ref: _____

Fixture Order Code:

090+XL-LED-TR

Fixture

090+XL-LED-TR

Plus XL Conical Fixed Trim with LED71

Finish

WH

BK

RAL

White

Black

Custom RAL Colour*

IP Rating

44

IP44

Emergency

E

ED

ES

Maintained 3hr Emergency

Maintained 3hr DALI Self Test

Maintained 3hr Self Test



LED Order Code:

LED71WD

LED

LED71WD LED70 ONE Ambiance WarmDim

CCT

2720

3020

2700K - 2000K

3000K - 2000K

Beam

19

23

42

19°

23°

42°

Protocol

S

A

P

D

B

Non-Dim

Analogue (0-10v)

Phase

DALI

Bluetooth**



Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

Accessories Order Code:

Louvre/Lens

- MN71 Honeycomb Louvre
- MDCC Warm Tone Lens
- MDUV UV Lens
- MDDF Diffusing Lens
- MDFR Frosted Lens
- MDLS Linear Spread Lens
- MDHS 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.

**DALI Type 6 requires two DALI addresses, one for CCT control the other for Intensity control. DALI Type 8 is a single DALI Type 8 address for CCT and Intensity control. Please check which control system is being used before specifying.

***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 supersedes 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:

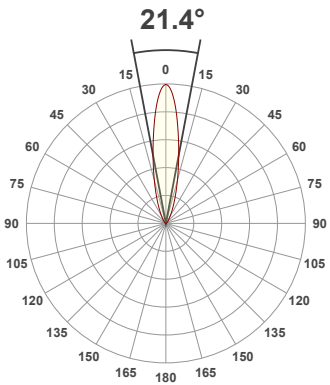
61 Lumen/Watt

Light quality:

CRI: 95.8

Color temperature:

2936 K



Product name:

090+XL-LED - LED71WD-3020-19

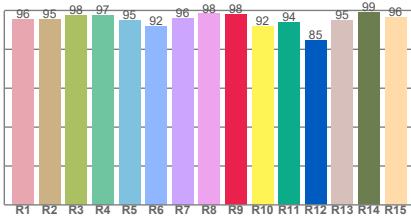
Item number:

Plus XL Conical Fixed LED71WD-3020-19 - 1000mA

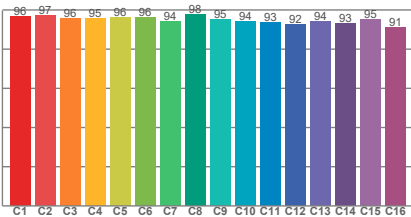
Delivered information for above fixture and LED combination.

Output: 1652 Lumen Peak intensity: 6254 cd Power consumption: 27.0

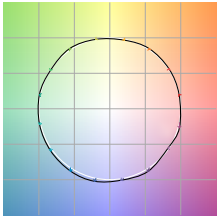
CRI R values



TM30 C Values

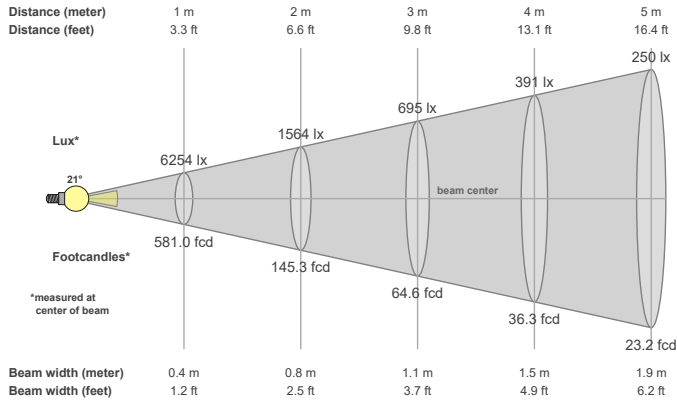


Color vector graphics



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
2936 K	95.8	97.9	95.0	102.5	95.2	0.433	0.388	0.255	0.343	-0.0061

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
21.4°	51.6°	82.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6254 cd	98.4%	92.5%

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
6254lx	1564lx	695lx	391lx	250lx	174lx	128lx	98lx	77lx	63lx	52lx	43lx	37lx	32lx	28lx	24lx	22lx	19lx	17lx	16lx
581fcd	145.3fcd	64.6fcd	36.3fcd	23.2fcd	16.1fcd	11.9fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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 = 0.85

Light efficiency:

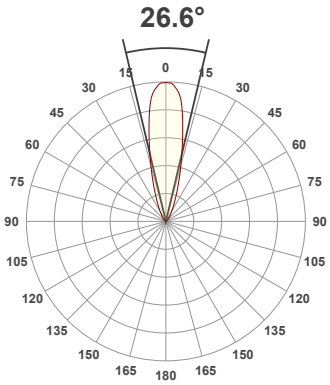
59 Lumen/Watt

Light quality:

CRI: 95.9

Color temperature:

2956 K



Product name:

090+XL-LED - LED71WD-3020-23

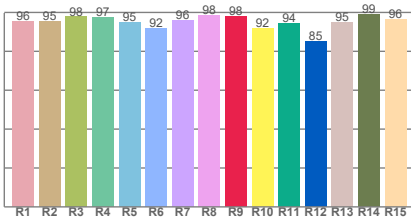
Item number:

Plus XL Conical Fixed LED71WD-3020-23 - 1000mA

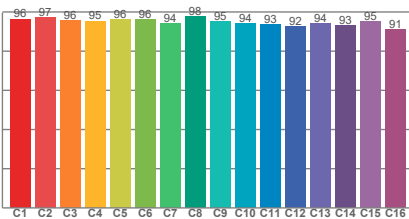
Delivered information for above fixture and LED combination.

Output: 1602 Lumen Peak intensity: 4851 cd Power consumption: 27.0

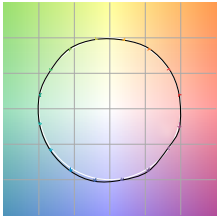
CRI R values



TM30 C Values

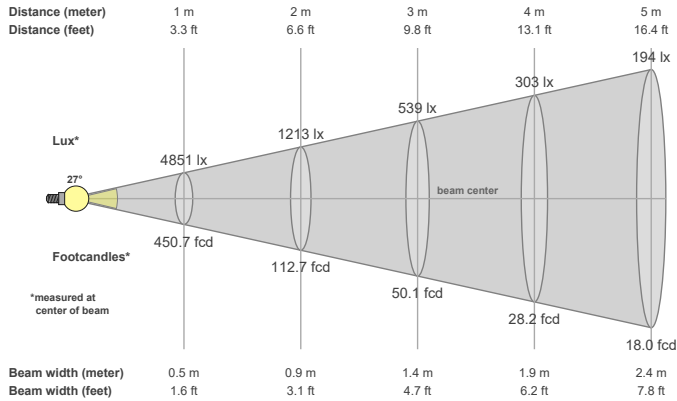


Color vector graphics



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2956 K	95.9	97.9	95.0	102.4	95.2	0.432	0.387	0.254	0.343	-0.0060

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
26.6°	56.2°	88.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4851 cd	98.8%	93.2%

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
4851lx	1213lx	539lx	303lx	194lx	135lx	99lx	76lx	60lx	49lx	40lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx
450.7fcd	112.7fcd	50.1fcd	28.2fcd	18fcd	12.5fcd	9.2fcd	7fcd	5.6fcd	4.5fcd	3.7fcd	3.1fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	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 = 0.85

Light efficiency:

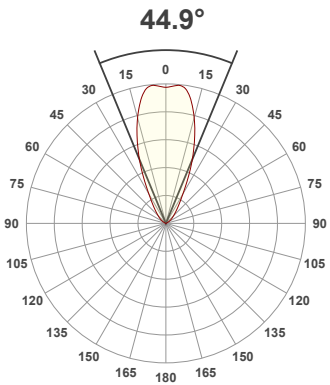
59 Lumen/Watt

Light quality:

CRI: 95.2

Color temperature:

2952 K



Product name:

090+XL-LED - LED71WD-3020-42

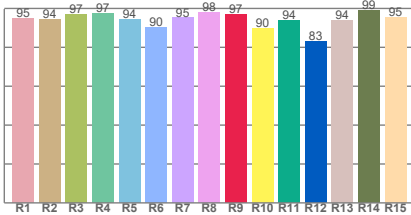
Item number:

Plus XL Conical Fixed LED71WD-3020-42 - 1000mA

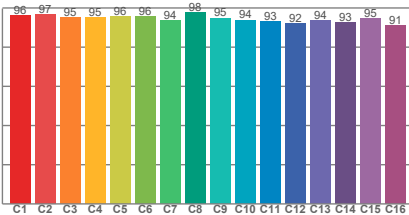
Delivered information for above fixture and LED combination.

Output: 1576 Lumen Peak intensity: 2233 cd Power consumption: 26.9

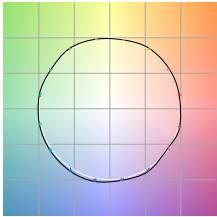
CRI R values



TM30 C Values

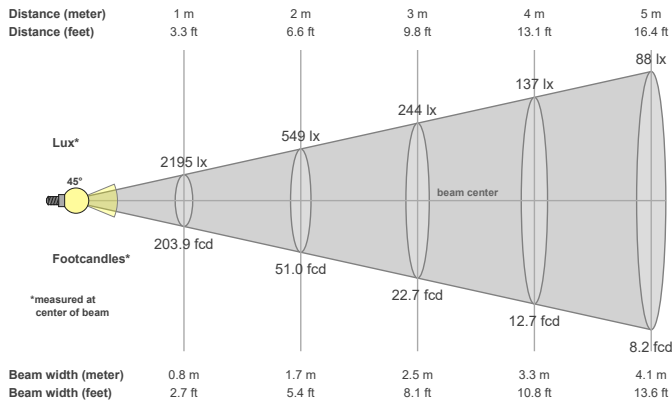


Color vector graphics



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
2952 K	95.2	97.1	94.7	102.8	94.8	0.430	0.384	0.255	0.341	-0.0074

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
44.9°	83.3°	117.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2233 cd	98.4%	89.6%

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
2195lx	549lx	244lx	137lx	88lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
203.9fcd	51fcd	22.7fcd	12.7fcd	8.2fcd	5.7fcd	4.2fcd	3.2fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	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 = 0.85