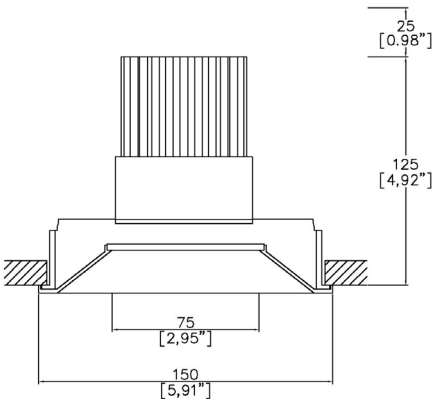


ProSpex Plus XL Conical Fixed Trim



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	LED71TW	LED71TW	LED71TW
CCT range 5000K-2000K	@ 3000K	@ 3000K	@ 3000K
Drive Current (max per channel)	1000mA	1000mA	1000mA
Power inc Driver Max	27.5W	27.5W	27.5W
Beam Angle	19°	23°	42°
Delivered Lumens	1565	1495	1502
Delivered Intensisty cd	6091	3753	2237
Efficacy lm/w	57	54	55
Forward Volt (max per channel)	23.4V	23.4V	23.4V
CRI	≥95 CRI	≥95 CRI	≥95 CRI

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:

LED71TW

5020

LED

LED71TW

LED70 ONE Tuneable White

CCT

5020

5000K - 2000K

Beam

19

23

42

19°

23°

42°

Protocol

D6

D8

B

DALI Type 6**

DALI Type 8**

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:

57 Lumen/Watt

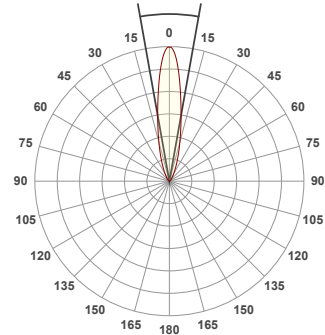
Light quality:

CRI: 90.1

Color temperature:

3000 K

20.2°



Product name:

090+XL-LED - LED71W-5020-19 - 3000K

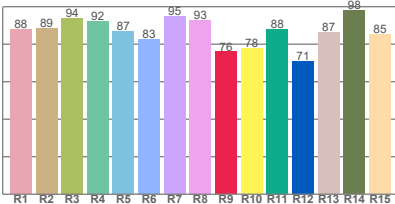
Item number:

Plus XL Conical Fixed - LED71W-5020-19 @ 3000K

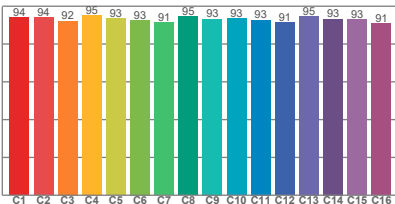
Delivered information for above fixture and LED combination.

Output: 1565 Lumen Peak intensity: 6091 cd Power consumption: 27.5

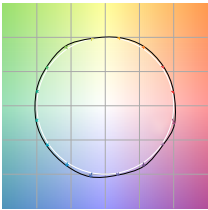
CRI R values



TM30 C Values

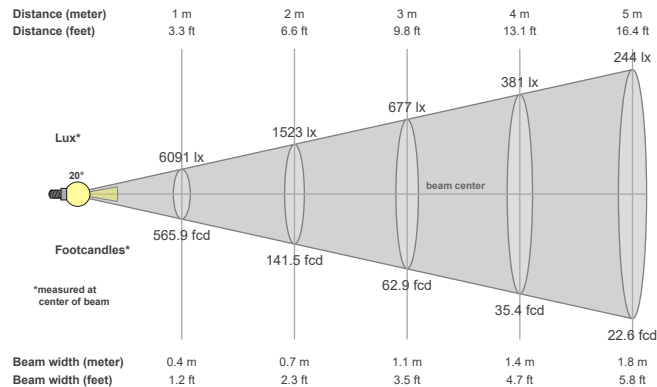


Color vector graphics



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	90.1	76.0	93.3	106.5	93.7	0.437	0.404	0.254	0.332	-0.0156

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
20.2°	51.4°	82.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6091 cd	98.2%	92.0%

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
6091lx	1523lx	677lx	381lx	244lx	169lx	124lx	95lx	75lx	61lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
565.9fcd	141.5fcd	62.9fcd	35.4fcd	22.6fcd	15.7fcd	11.5fcd	8.8fcd	7fcd	5.7fcd	4.7fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.7fcd	1.6fcd	1.4fcd

All the above information for fixtures with LED71TW-5020 modules are tested at 3000K

Factors to adjust lumen output for the following CCTs at 100% output for the colour are as follows:

2000K = 0.75 2700K = 0.93 3500K = 1.07
 4000K = 1.11 5000K = 1.17

Light efficiency:

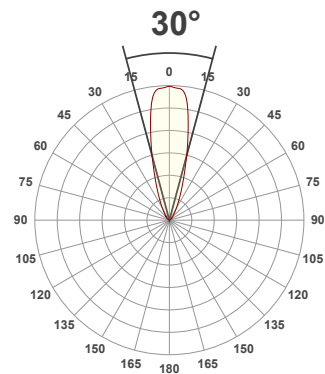
54 Lumen/Watt

Light quality:

CRI: 90.1

Color temperature:

3000 K



Product name:

090+XL-LED - LED71W-5020-23 3000K

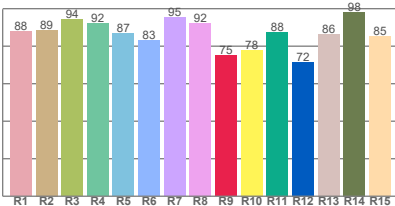
Item number:

Plus XL Conical Fixed - LED71W-5020-23 @ 3000K

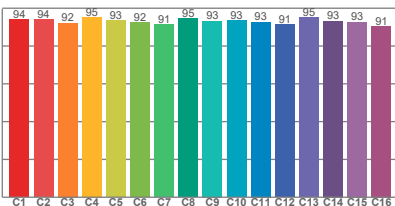
Delivered information for above fixture and LED combination.

Output: 1495 Lumen Peak intensity: 3753 cd Power consumption: 27.5

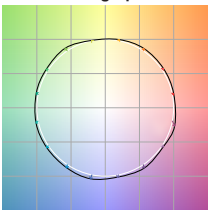
CRI R values



TM30 C Values

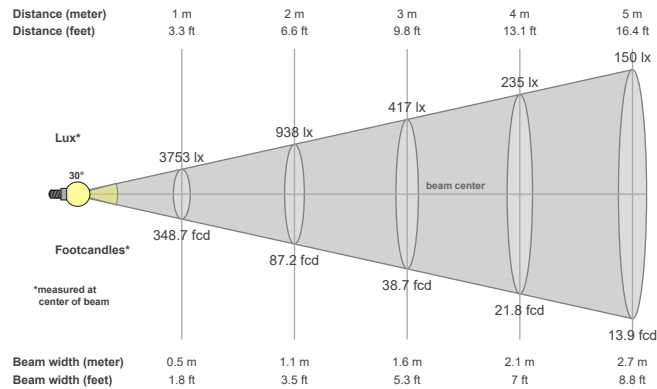


Color vector graphics



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	90.1	75.1	93.3	106.6	93.8	0.437	0.404	0.253	0.332	-0.0155

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
30°	61.2°	96.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3753 cd	97.9%	91.5%

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
3753lx	938lx	417lx	235lx	150lx	104lx	77lx	59lx	46lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
348.7fcd	87.2fcd	38.7fcd	21.8fcd	13.9fcd	9.7fcd	7.1fcd	5.4fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

All the above information for fixtures with LED71TW-5020 modules are tested at 3000K

Factors to adjust lumen output for the following CCTs at 100% output for the colour are as follows:

2000K = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17

Light efficiency:

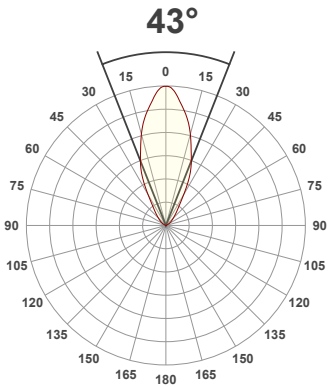
55 Lumen/Watt

Light quality:

CRI: 89.9

Color temperature:

3000 K



Product name:

090+XL-LED - LED71W-5020-42 - 3000K

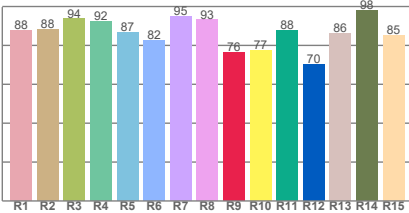
Item number:

Plus XL Conical Fixed - LED71W-5020-42 - 3000K

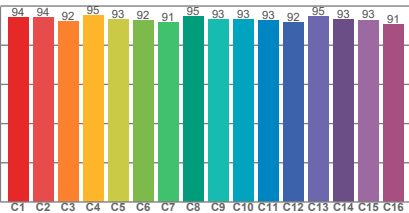
Delivered information for above fixture and LED combination.

Output: 1502 Lumen Peak intensity: 2237 cd Power consumption: 27.5

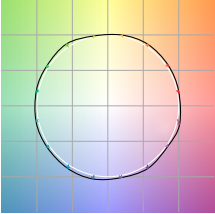
CRI R values



TM30 C Values

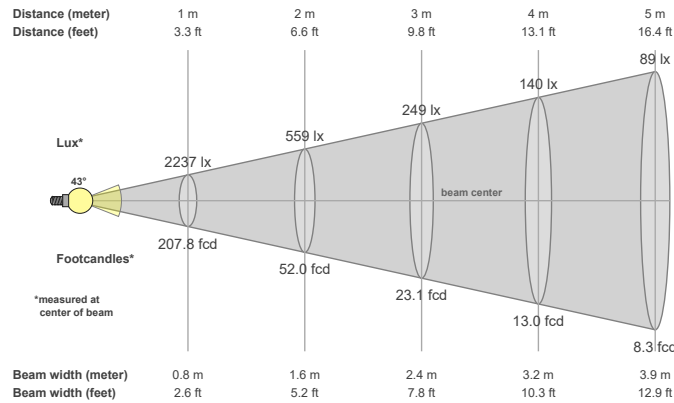


Color vector graphics



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	89.9	76.2	93.3	106.5	93.6	0.437	0.404	0.255	0.332	-0.0158

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
43°	82.4°	119.6°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2237 cd	97.7%	88.4%

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
2237lx	559lx	249lx	140lx	89lx	62lx	46lx	35lx	28lx	22lx	18lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
207.8fcd	52fcd	23.1fcd	13fcd	8.3fcd	5.8fcd	4.2fcd	3.2fcd	2.6fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

All the above information for fixtures with LED71TW-5020 modules are tested at 3000K

Factors to adjust lumen output for the following CCTs at 100% output for the colour are as follows:

2000K = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17