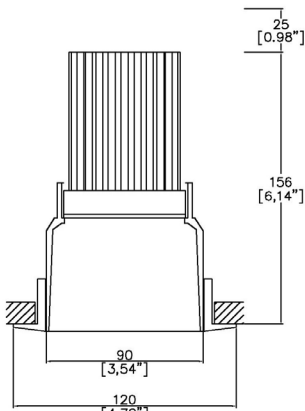


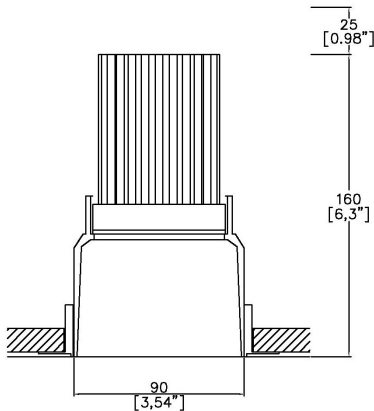
ProSpex Soft90 Colour Fixed



120mm (4.72") overall trim diameter. 90mm (3.54") overall trimless diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm ^



090-C-LED-TR  
Cut-out 105mm Ø



090-C-LED-TL  
Cut-out 102mm Ø

LED Source	LED71	LED71	LED71
CCT	3000K	3000K	3000K
Drive Current	700mA	700mA	700mA
Power inc Driver	27W	27W	27W
Beam Angle	12°	19°	34°
Delivered Lumens	1853	1614	1650
Delivered Intensisty cd	24396	11072	4503
Efficacy lm/w	69	60	61
Forward Volt	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

Soft Colour Inserts



Polished Copper



Piano Black



Polished Gold



Satin Gold



Polished Silver



Satin Silver

Project Ref: \_\_\_\_\_ Location Ref: \_\_\_\_\_

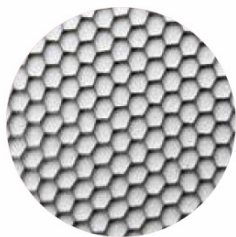
Fixture Order Code:  -  -  -  -  -

Fixture	090-C-LED	Soft90 Fixed with LED71
Installation	TR	Trim
	TL	Trimless
Colour Insert	CP	Polished Copper
	PB	Piano Black
	PG	Polished Gold
	SG	Satin Gold
	PS	Polished Silver
	SS	Satin Silver
Trim Finish (Leave blank if trimless)	WH	White
	BK	Black
	RAL	Custom RAL Colour*
IP Rating	44	IP44
Emergency	E	Maintained 3hr Emergency
	ED	Maintained 3hr DALI Self Test
	ES	Maintained 3hr Self Test

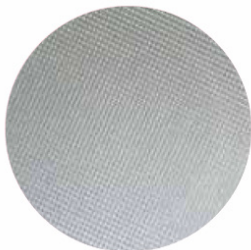


LED Order Code:  -  -  -

LED	LED71TW	LED70 ONE Tuneable White
CCT	5020	5000K - 2000K
Beam	19	19°
	23	23°
	42	42°
Protocol	D6	DALI Type 6**
	D8	DALI Type 8**
	B	Bluetooth***



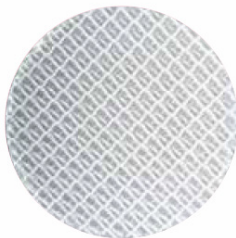
Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

Accessories Order Code:

- Louvre/Lens
- MD45 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.

\*\*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 instllation 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:

**60 Lumen/Watt**

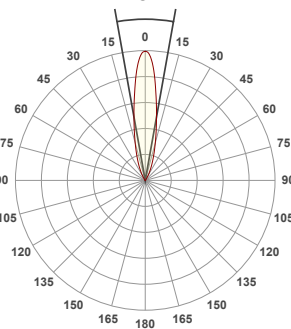
## Light quality:

**CRI: 91.3**

## Color temperature:

**3021 K**

**20.2°**



## Product name:

**090-LED - LED71W-5020-19 - 3000K**

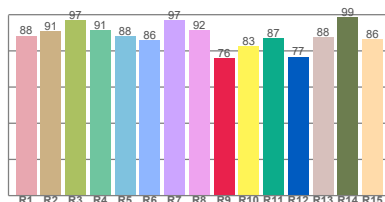
## Item number:

**Soft90 Fixed- LED71W-5020-19 - 3000K**

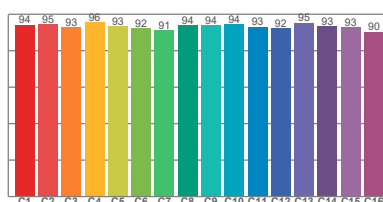
**Delivered information for above fixture and LED combination.**

**Output: 1637 Lumen   Peak intensity: 7333 cd   Power consumption: 27.5**

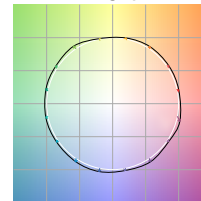
## CRI R values



## TM30 C Values

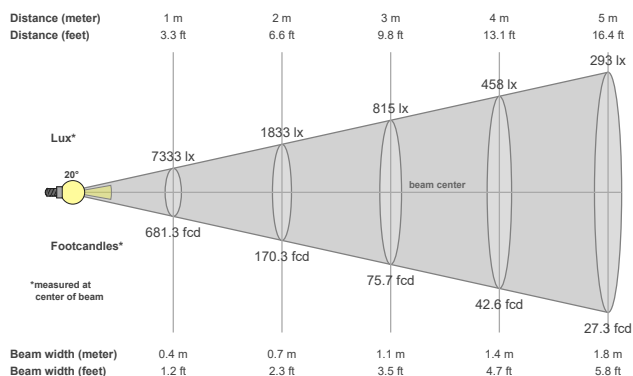


## Color vector graphics



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
3021 K	91.3	76.0	93.5	106.6	94.0	0.419	0.368	0.254	0.336	-0.0125

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
20.2°	49.4°	65.2°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
7333 cd	97.2%	94.1%

## 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
7333lx	1833lx	815lx	458lx	293lx	204lx	150lx	115lx	91lx	73lx	61lx	51lx	43lx	37lx	33lx	29lx	25lx	23lx	20lx	18lx
681.3fcd	170.3fcd	75.7fcd	42.6fcd	27.3fcd	18.9fcd	13.9fcd	10.6fcd	8.4fcd	6.8fcd	5.6fcd	4.7fcd	4fcd	3.5fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd

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:

**57 Lumen/Watt**

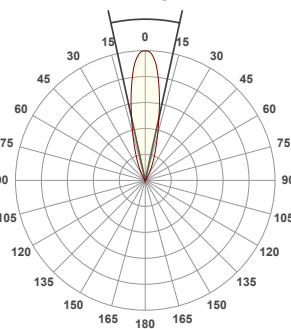
## Light quality:

**CRI: 91.5**

## Color temperature:

**3045 K**

**24.6°**



## Product name:

**090-LED - LED71W-5020-24 - 3000K**

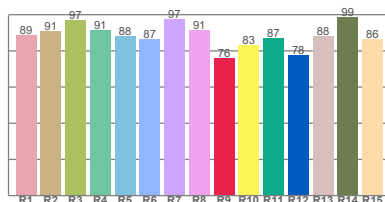
## Item number:

**Soft90 Fixed- LED71W-5020-24 - 3000K**

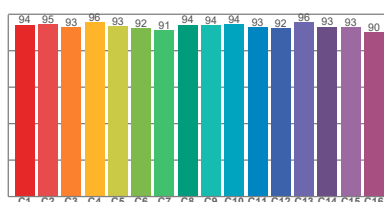
**Delivered information for above fixture and LED combination.**

**Output: 1581 Lumen Peak intensity: 6045 cd Power consumption: 27.5**

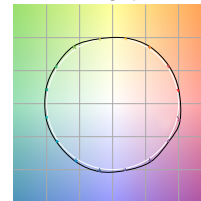
## CRI R values



## TM30 C Values

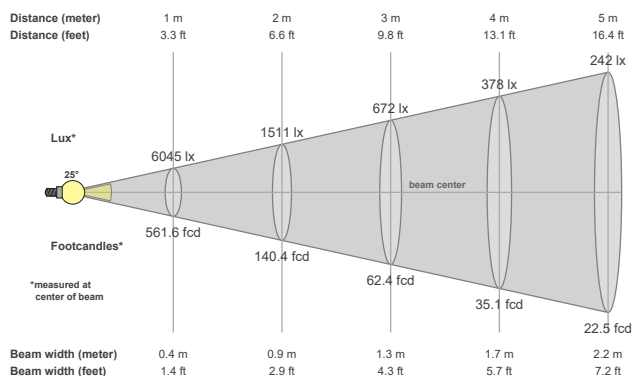


## Color vector graphics



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
3045 K	91.5	75.7	93.6	106.5	94.1	0.418	0.369	0.254	0.336	-0.0122

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
24.6°	51.6°	65.8°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6045 cd	98.1%	95.3%

## 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
6045lx	1511lx	672lx	378lx	242lx	168lx	123lx	94lx	75lx	60lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
561.6fcd	140.4fcd	62.4fcd	35.1fcd	22.5fcd	15.6fcd	11.5fcd	8.8fcd	6.9fcd	5.6fcd	4.6fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	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:

**53 Lumen/Watt**

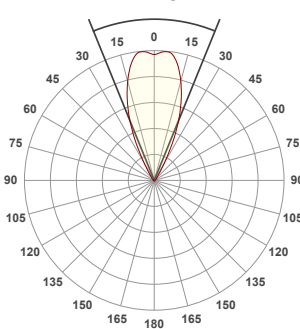
## Light quality:

**CRI: 91.6**

## Color temperature:

**3068 K**

**44.3°**



## Product name:

**090-LED - LED71W-5020-42 - 3000K**

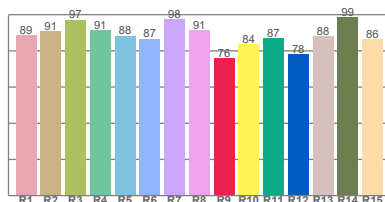
## Item number:

**Soft90 Fixed- LED71W-5020-42 - 3000K**

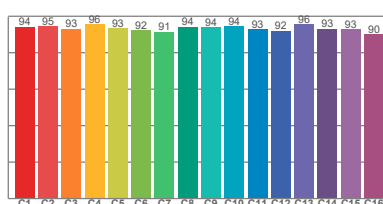
**Delivered information for above fixture and LED combination.**

**Output: 1461 Lumen Peak intensity: 2519 cd Power consumption: 27.5**

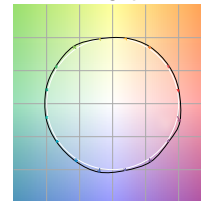
## CRI R values



## TM30 C Values

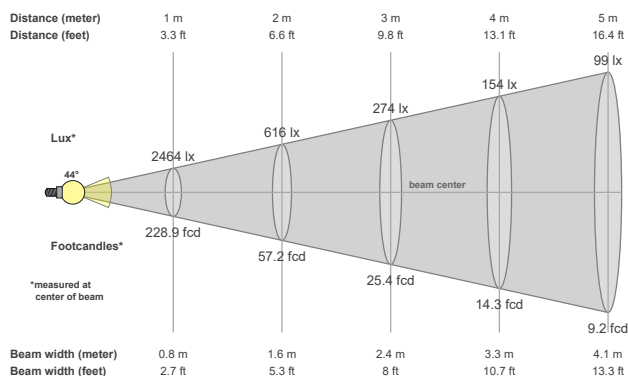


## Color vector graphics



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
3068 K	91.6	75.8	93.6	106.5	94.2	0.416	0.368	0.253	0.335	-0.0121

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
44.3°	65.5°	93.5°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2519 cd	97.1%	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
2464lx	616lx	274lx	154lx	99lx	68lx	50lx	38lx	30lx	25lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
228.9fcd	57.2fcd	25.4fcd	14.3fcd	9.2fcd	6.4fcd	4.7fcd	3.6fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

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