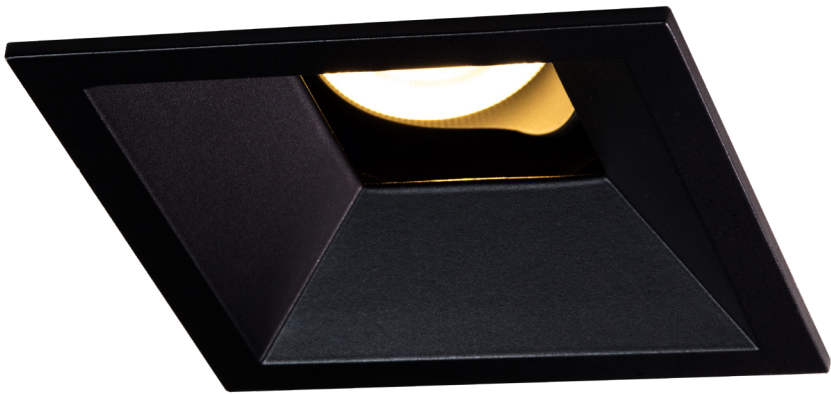
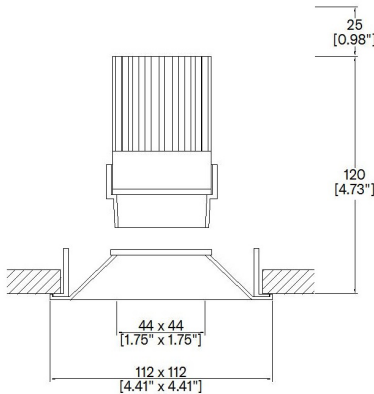


ProSpex Plus Pyramidal Fixed



112 x 112mm (4.41" x 4.41") overall trim dimension.  
Available with standard trim kit or plaster-in kit for flush  
appearance. Family of matching products also  
available. Required depth height + 25mm^



090+LED-TR-SQ  
Cut-out 102x102mm

LED Source	LED51/2	LED51/2	LED51/2
CCT	3000K	3000K	3000K
Drive Current	350mA	350mA	350mA
Power inc Driver	13.6W	13.6W	13.6W
Beam Angle	12°	24°	38°
Delivered Lumens	774	807	914
Delivered Intensisty cd	10012	4232	2639
Efficacy lm/w	57	59	67
Forward Volt	36V	36V	36V
CRI	≥90 CRI	≥90 CRI	≥90 CRI

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

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

Fixture Order Code: 090+LED-TR-SQ - - -

Fixture

090+LED-TR-SQ Plus Pyramidal Fixed Trim with LED51

Finish

WH White  
BK Black  
BK-WH Black inner, White trim (as shown below)  
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: LED51/2 - - -

LED

LED51/2 LED50 ONE GEN2

CCT

927 90 CRI 2700K  
930 90 CRI 3000K  
940 90 CRI 4000K

Beam

12 12°  
24 24°  
38 38°

Protocol

S Non-Dim  
A Analogue (0-10v)  
P Phase  
D DALI  
B Bluetooth\*\*



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 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:

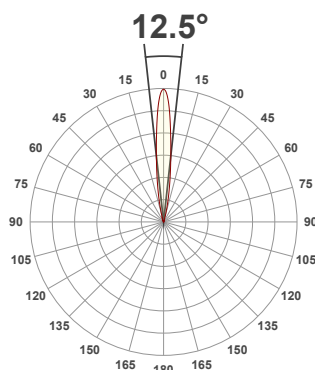
**57 Lumen/Watt**

## Light quality:

**CRI: 92.7**

## Color temperature:

**3000 K**



## Product name:

**Plus Pyramidal Fixed - LED51  
GEN2, 3000K, 12°, 350mA**

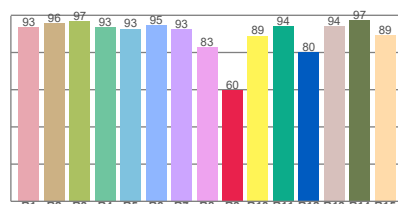
## Item number:

**090+SQ-LED51/2-30-12-350mA**

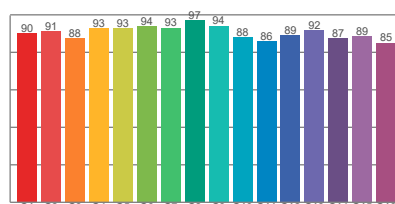
**Delivered information for above  
fixture and LED combination.**

**Output: 774 Lumen    Peak intensity: 10012 cd    Power consumption: 13.6**

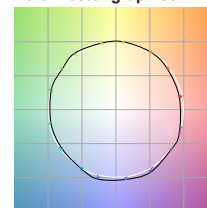
## CRI R values



## TM30 C Values

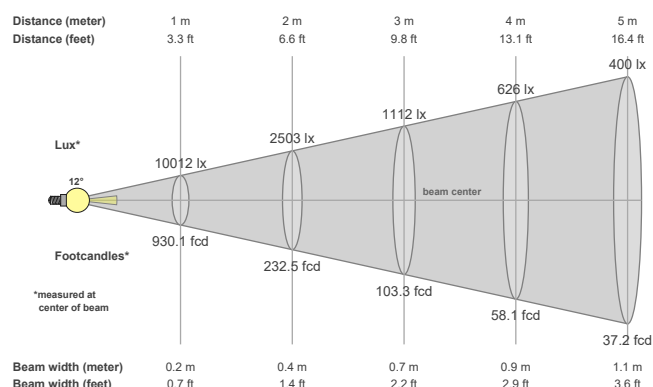


## Color vector graphics



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	92.7	59.9	90.5	100.3	90.5	0.437	0.404	0.248	0.346	-0.0010

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
12.5°	26.8°	35.5°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10012 cd	99.0%	98.0%

## 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
10012lx	2503lx	1112lx	626lx	400lx	278lx	204lx	156lx	124lx	100lx	83lx	70lx	59lx	51lx	44lx	39lx	35lx	31lx	28lx	25lx
930.1fcd	232.5fcd	103.3fcd	58.1fcd	37.2fcd	25.8fcd	19fcd	14.5fcd	11.5fcd	9.3fcd	7.7fcd	6.5fcd	5.5fcd	4.7fcd	4.1fcd	3.6fcd	3.2fcd	2.9fcd	2.6fcd	2.3fcd

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

4000K = 1.084

## Light efficiency:

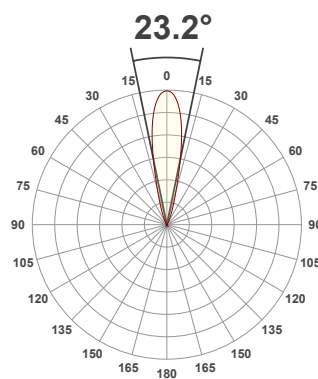
**59 Lumen/Watt**

## Light quality:

**CRI: 91.9**

## Color temperature:

**3000 K**



## Product name:

**Plus Pyramidal Fixed - LED51 GEN2, 3000K, 24°, 350mA**

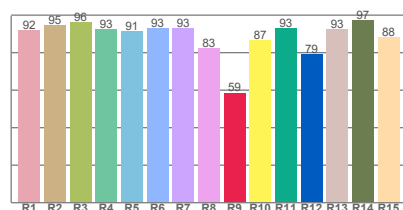
## Item number:

**090+SQ-LED51/2-30-24-350mA**

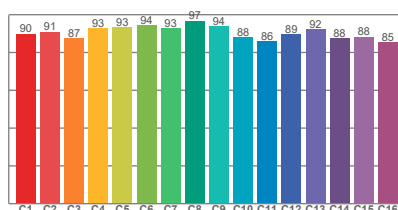
**Delivered information for above fixture and LED combination.**

**Output: 807 Lumen Peak intensity: 4232 cd Power consumption: 13.6**

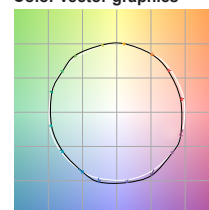
## CRI R values



## TM30 C Values

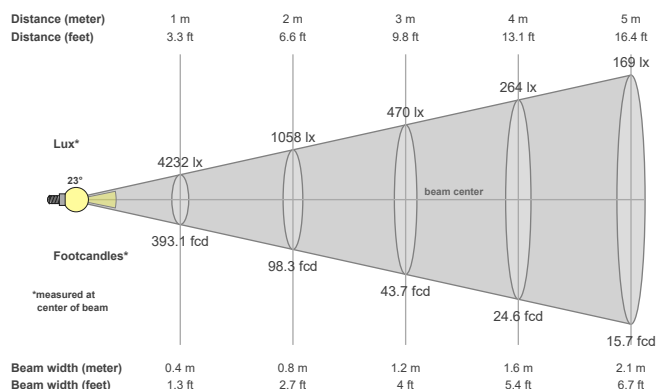


## Color vector graphics



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	91.9	58.6	90.5	99.9	90.4	0.437	0.404	0.248	0.347	0.0004

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
23.2°	41.9°	57.3°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4232 cd	99.8%	99.4%

## 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
4232lx	1058lx	470lx	264lx	169lx	118lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
393.1fcd	98.3fcd	43.7fcd	24.6fcd	15.7fcd	10.9fcd	8fcd	6.1fcd	4.9fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	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  
4000K = 1.084

## Light efficiency:

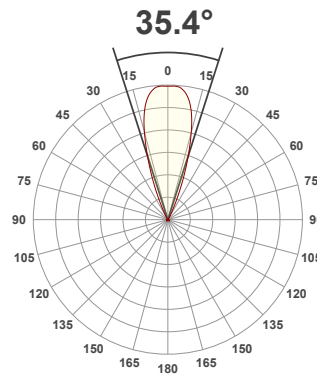
**67 Lumen/Watt**

## Light quality:

**CRI: 92.0**

## Color temperature:

**3000 K**



## Product name:

**Plus Pyramidal Fixed - LED51  
GEN2, 3000K, 38°, 350mA**

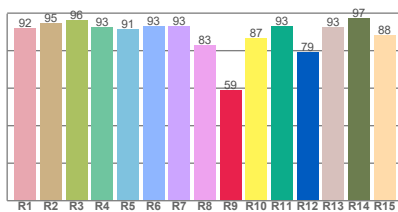
## Item number:

**090+SQ-LED51/2-30-38-350mA**

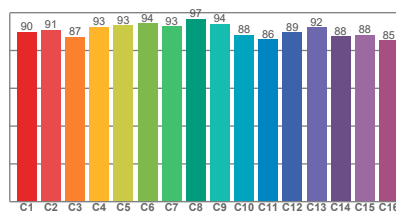
**Delivered information for above  
fixture and LED combination.**

**Output: 914 Lumen    Peak intensity: 2639 cd    Power consumption: 13.6**

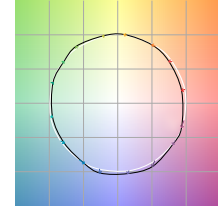
CRI R values



TM30 C Values

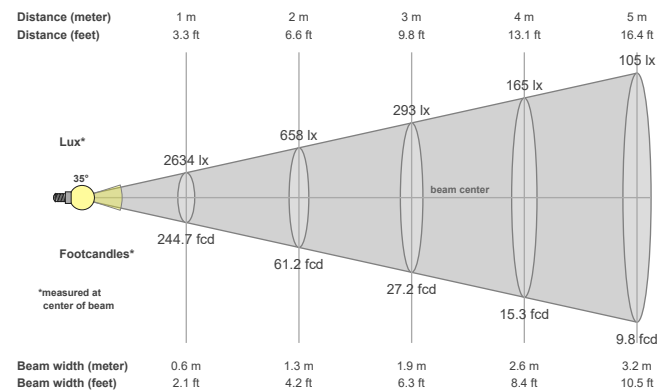


Color vector graphics



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	92.0	58.9	90.5	100.0	90.4	0.437	0.404	0.248	0.347	0.0003

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
35.4°	50.9°	62.6°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2639 cd	99.8%	99.5%

## 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
2634lx	658lx	293lx	165lx	105lx	73lx	54lx	41lx	33lx	26lx	22lx	18lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	7lx
244.7fcd	61.2fcd	27.2fcd	15.3fcd	9.8fcd	6.8fcd	5fcd	3.8fcd	3fcd	2.4fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	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

4000K = 1.084