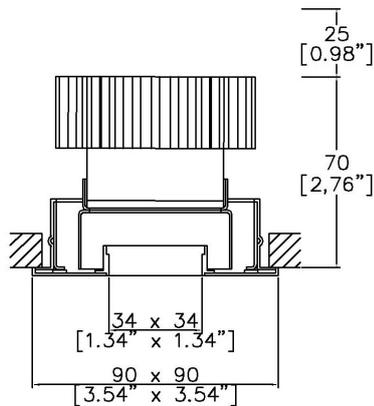


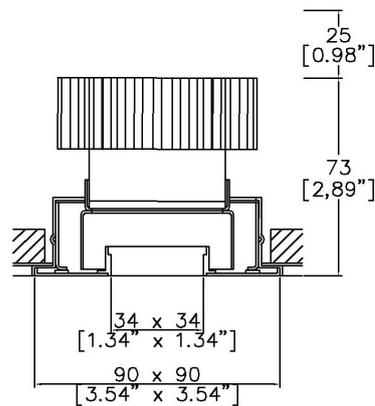
## Square Edge90 Fixed Low Height



90 x 90mm (3.54 x 3.54") overall dimension. Shallow height downlight. Edge baffle to ensure aperture is glare free and for a professional look. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^



81433-F-LED + 8000-PBZ-SQ  
Cut-out 83mm Ø



81433-F-LED + 8000-PCZ-SQ  
Cut-out 83mm Ø

LED Source	LED51/2-SH-FO	LED51/2-SH-FO	LED51/2-SH-FO	LED51/2-SH-FO
CCT	3000K	3000K	3000K	3000K
Drive Current	350mA	350mA	350mA	350mA
Power inc Driver	13.6W	13.6W	13.6W	13.6W
Beam Angle	12°	24°	38°	60°
Delivered Lumens	659	761	853	757
Delivered Intensisty cd	8244	4091	2397	1161
Efficacy lm/w	48	56	63	56
Forward Volt	33V	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥90 CRI

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

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

Fixture Order Code:  -  -  -

Fixture  
81433-F-LED Square Edge90 Fixed with LED51

Finish  
WH White  
BK Black  
RAL Custom RAL Colour\*

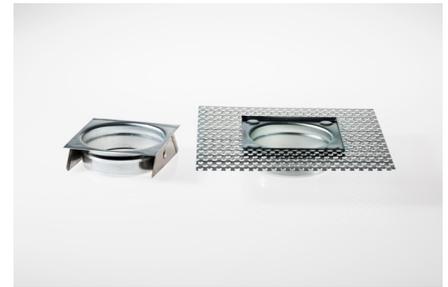
IP Rating  
54 IP54

Emergency  
E Maintained 3hr Emergency  
ED Maintained 3hr DALI Self Test  
ES Maintained 3hr Self Test

*IP Rating: If you do not require an IP rating please leave the box blank*

Installation Order Code:

Installation  
8000-PBZ-SQ Trim kit for trimmed appearance  
8000-PCZ-SQ Plaster-kit for seamless flush appearance



LED Order Code:  -  -  -  -

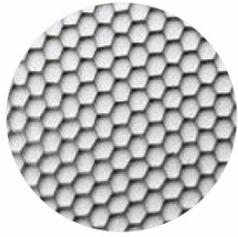
LED  
LED51/2 LED50 ONE GEN2

CCT  
927 90 CRI 2700K  
930 90 CRI 3000K  
935 90 CRI 3500K  
940 90 CRI 4000K

Beam  
12°  
24°  
38°  
60°

Shallow Height, Full output

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



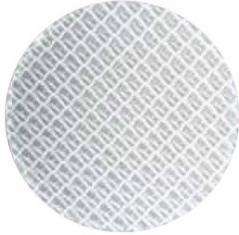
Honeycomb Louvre



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 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 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

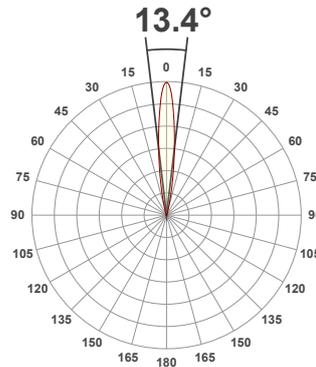
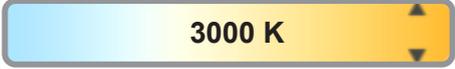
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**Square 90 Edge Fixed\_Accent - LED50 ONE GEN2, 3000K, 12°, 350mA**

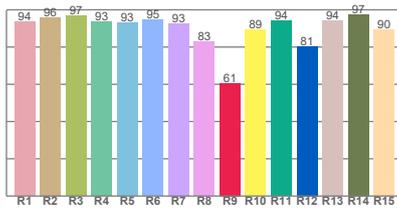
**Item number:**

**81433-F/A - LED51/2-30-12-350mA**

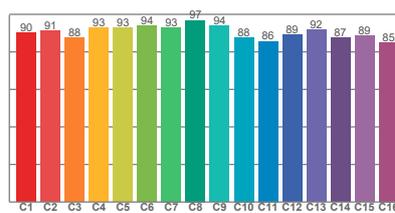
**Delivered information for above fixture and LED combination.**

**Output: 659 Lumen Peak intensity: 8244 cd Power consumption: 13.6**

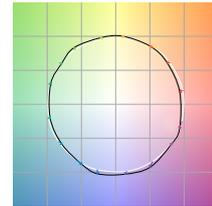
**CRI R values**



**TM30 C Values**

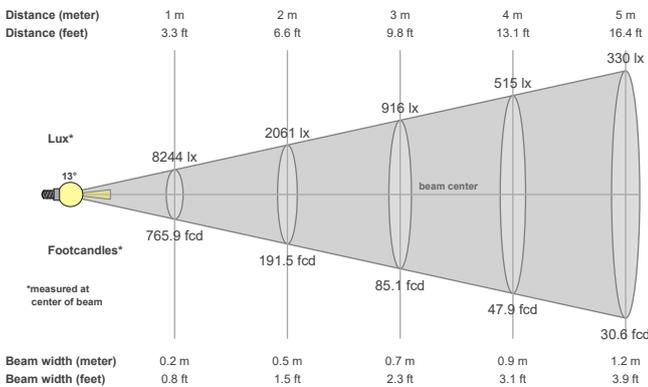


**Color vector graphics**



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	92.8	60.5	90.5	100.4	90.4	0.437	0.404	0.248	0.345	-0.0013

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13.4°	26.8°	39.7°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
8244 cd	99.6%	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
8244lx	2061lx	916lx	515lx	330lx	229lx	168lx	129lx	102lx	82lx	68lx	57lx	49lx	42lx	37lx	32lx	29lx	25lx	23lx	21lx
765.9fcd	191.5fcd	85.1fcd	47.9fcd	30.6fcd	21.3fcd	15.6fcd	12fcd	9.5fcd	7.7fcd	6.3fcd	5.3fcd	4.5fcd	3.9fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd

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
- 3500K = 1
- 4000K = 1.084

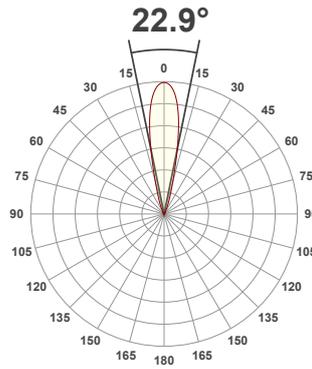
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**Square 90 Edge Fixed\_Accent - LED50 ONE GEN2, 3000K, 24°, 350mA**

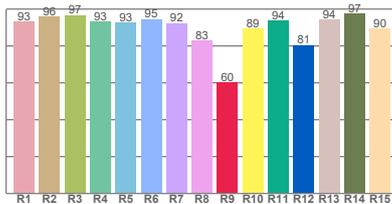
**Item number:**

**81433-F/A - LED51/2-30-24-350mA**

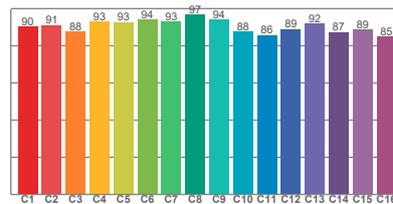
**Delivered information for above fixture and LED combination.**

**Output: 761 Lumen Peak intensity: 4091 cd Power consumption: 13.6**

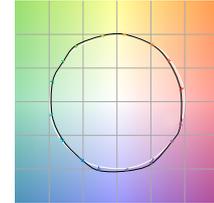
**CRI R values**



**TM30 C Values**

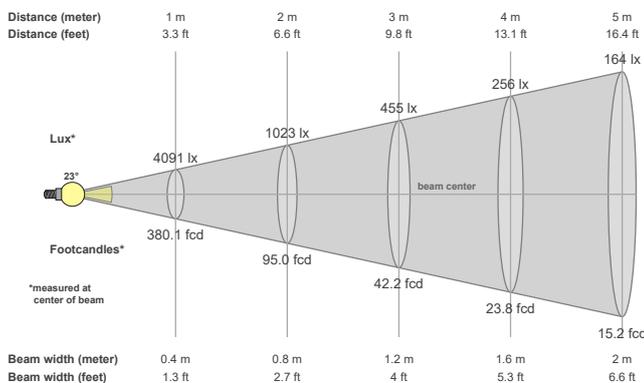


**Color vector graphics**



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 division from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3000 K	92.8	60.4	90.5	100.4	90.4	0.437	0.404	0.248	0.345	-0.0013

**Beam details**



**Beam angels**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.9°	41°	56.2°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4091 cd	99.3%	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
4091lx	1023lx	455lx	256lx	164lx	114lx	83lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
380.1fcd	95fcd	42.2fcd	23.8fcd	15.2fcd	10.6fcd	7.8fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	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
- 3500K = 1
- 4000K = 1.084

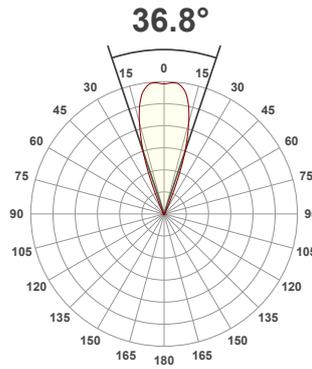
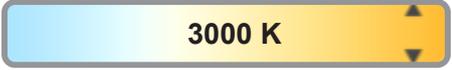
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**Square 90 Edge Fixed\_Accent - LED50 ONE GEN2, 3000K, 38°, 350mA**

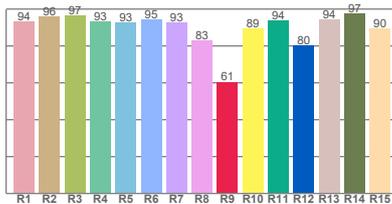
**Item number:**

**81433-F/A - LED51/2-30-38-350mA**

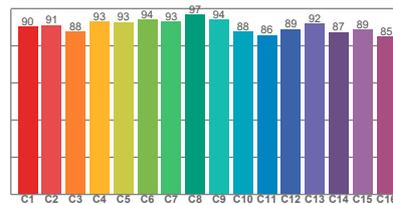
**Delivered information for above fixture and LED combination.**

**Output: 853 Lumen Peak intensity: 2397 cd Power consumption: 13.6**

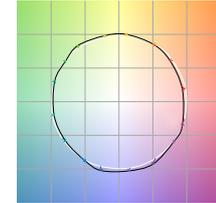
**CRI R values**



**TM30 C Values**

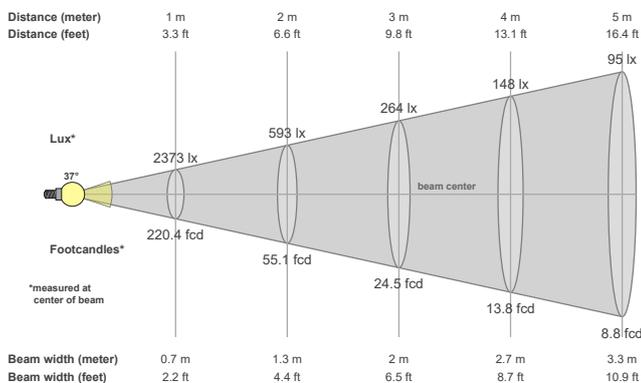


**Color vector graphics**



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	92.8	60.6	90.5	100.4	90.5	0.437	0.404	0.248	0.345	-0.0013

**Beam details**



**Beam angels**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
36.8°	50°	62°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2397 cd	99.8%	99.3%

**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
2373lx	593lx	264lx	148lx	95lx	66lx	48lx	37lx	29lx	24lx	20lx	16lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
220.4fcd	55.1fcd	24.5fcd	13.8fcd	8.8fcd	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	0.6fcd

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
- 3500K = 1
- 4000K = 1.084

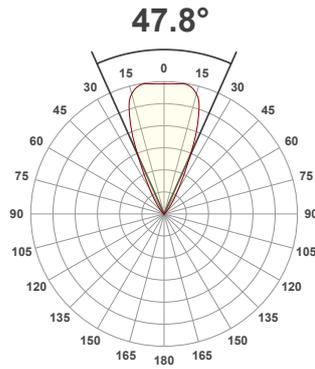
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**Square 90 Edge Fixed\_Accent - LED50 ONE GEN2, 3000K, 60°, 350mA**

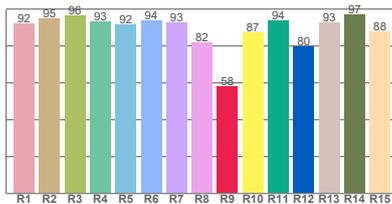
**Item number:**

**81433-F/A - LED51/2-30-60-350mA**

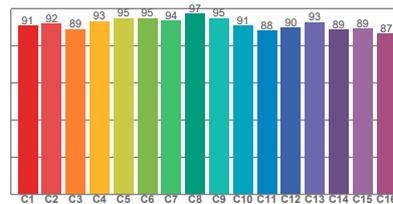
**Delivered information for above fixture and LED combination.**

**Output: 757 Lumen    Peak intensity: 1161 cd    Power consumption: 13.6**

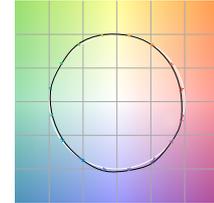
**CRI R values**



**TM30 C Values**

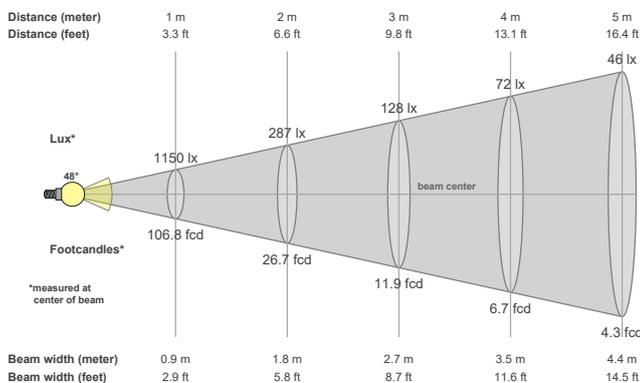


**Color vector graphics**



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 division from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3000 K	92.1	57.9	91.7	99.8	90.6	0.437	0.404	0.250	0.348	0.0007

**Beam details**



**Beam angels**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
47.8°	71.5°	89.5°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1161 cd	99.1%	97.5%

**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
1150lx	287lx	128lx	72lx	46lx	32lx	23lx	18lx	14lx	11lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx	3lx
106.8fcd	26.7fcd	11.9fcd	6.7fcd	4.3fcd	3fcd	2.2fcd	1.7fcd	1.3fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	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 = 1
- 3500K = 1
- 4000K = 1.084