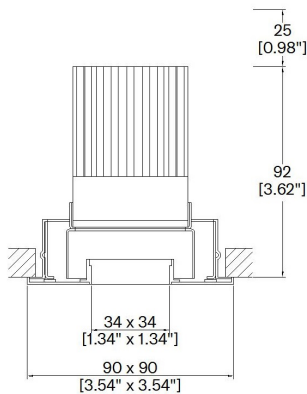


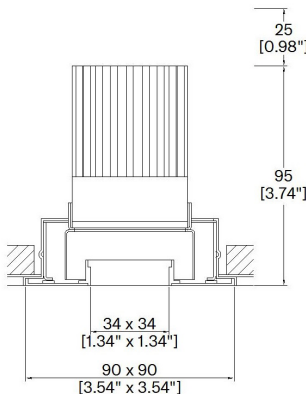
ProSpex Square Edge90 Fixed



90 x 90mm (3.54 x 3.54") overall dimension. 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/U	LED51/U	LED51/U
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	670	697	820
Delivered Intensisty cd	9808	3983	1950
Efficacy lm/w	49	51	60
Forward Volt	33V	33V	33V
CRI	≥98 CRI	≥98 CRI	≥98 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code: 81433-F-LED - - -

Fixture

81433-F-LED

Square Edge90 Fixed with LED51

Finish

WH
BK
RAL

White
Black
Custom RAL Colour*

IP Rating

54

IP54

Emergency

E
ED
ES

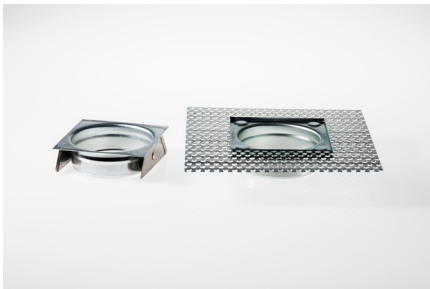
Maintained 3hr Emergency
Maintained 3hr DALI Self Test
Maintained 3hr Self Test

Installation Order Code:

Installation

8000-PBZ-SQ
8000-PCZ-SQ

Trim kit for trimmed appearance
Plaster-kit for seamless flush appearance



LED Order Code: LED51/U - - -

LED

LED51/U

LED50 ONE ULTRA

CCT

27
30

2700K
3000K

Beam

12
24
38

12°
24°
38°

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

- 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:

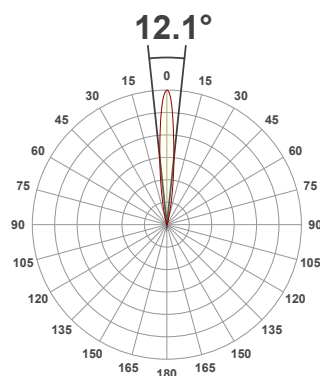
49 Lumen/Watt

Light quality:

CRI: 97.8

Color temperature:

3000 K



Product name:

81433-F_A-LED - LED51_U-30-12-350mA

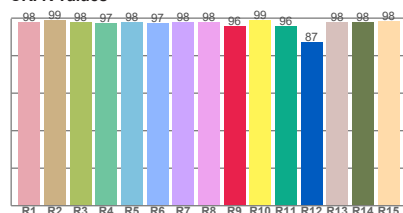
Item number:

Square Edge90 Fixed_Accent - LED51_U-30-12-350mA

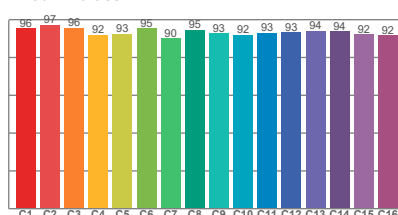
Delivered information for above fixture and LED combination.

Output: 670 Lumen Peak intensity: 9808 cd Power consumption: 13.6

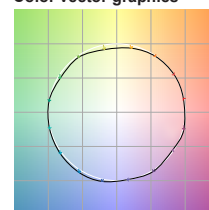
CRI R values



TM30 C Values

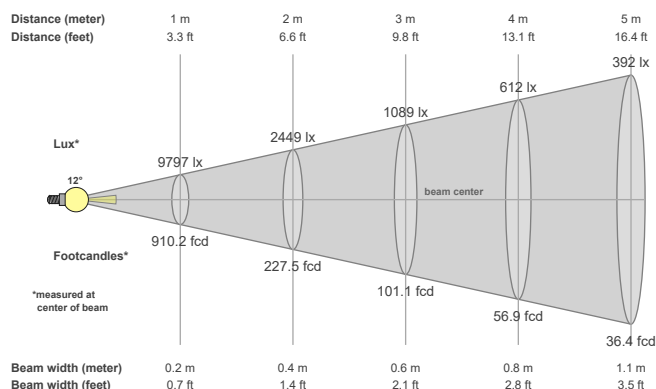


Color vector graphics



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	97.8	95.9	93.7	98.8	94.8	0.437	0.404	0.250	0.349	0.0015

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
12.1°	25.3°	35°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
9808 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
9797lx	2449lx	1089lx	612lx	392lx	272lx	200lx	153lx	121lx	98lx	81lx	68lx	58lx	50lx	44lx	38lx	34lx	30lx	27lx	24lx
910.2fcd	227.5fcd	101.1fcd	56.9fcd	36.4fcd	25.3fcd	18.6fcd	14.2fcd	11.2fcd	9.1fcd	7.5fcd	6.3fcd	5.4fcd	4.6fcd	4fcd	3.6fcd	3.1fcd	2.8fcd	2.5fcd	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

Light efficiency:

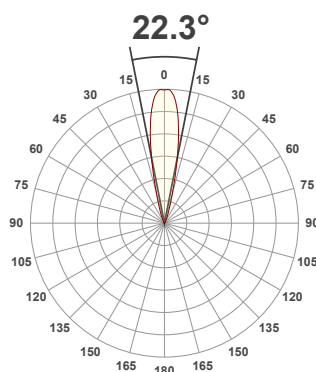
51 Lumen/Watt

Light quality:

CRI: 97.8

Color temperature:

3000 K



Product name:

81433-F_A-LED - LED51_U-30-24-350mA

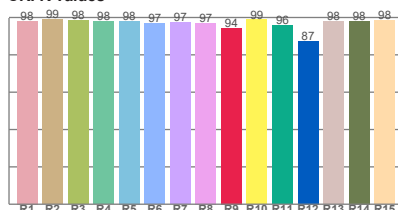
Item number:

Square Edge90 Fixed_Accent - LED51_U-30-24-350mA

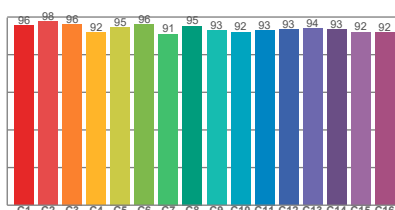
Delivered information for above fixture and LED combination.

Output: 697 Lumen Peak intensity: 3983 cd Power consumption: 13.6

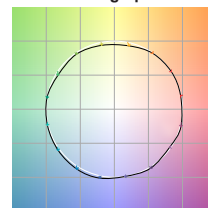
CRI R values



TM30 C Values

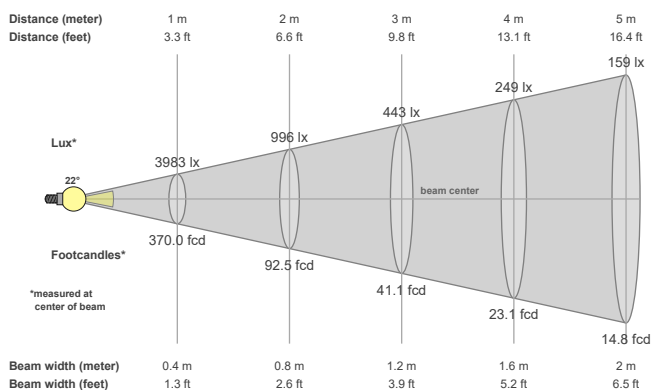


Color vector graphics



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	97.8	94.3	93.9	99.1	95.3	0.437	0.404	0.251	0.349	0.0009

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.3°	38.7°	54.9°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3983 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
3983lx	996lx	443lx	249lx	159lx	111lx	81lx	62lx	49lx	40lx	33lx	28lx	24lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
370fcd	92.5fcd	41.1fcd	23.1fcd	14.8fcd	10.3fcd	7.6fcd	5.8fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd

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

Light efficiency:

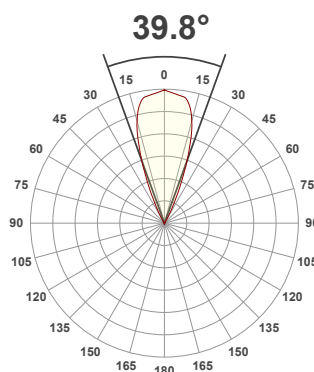
60 Lumen/Watt

Light quality:

CRI: 97.9

Color temperature:

3000 K



Product name:

81433-F_A-LED - LED51_U-30-38-350mA

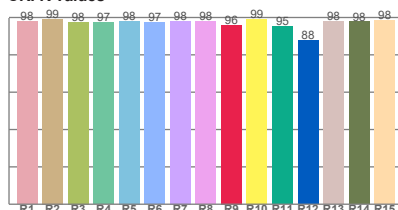
Item number:

Square Edge90 Fixed_Accent - LED51_U-30-38-350mA

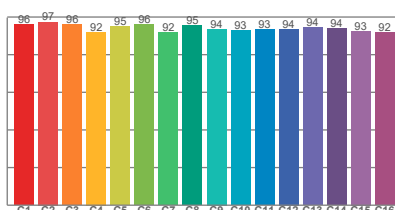
Delivered information for above fixture and LED combination.

Output: 820 Lumen Peak intensity: 1950 cd Power consumption: 13.6

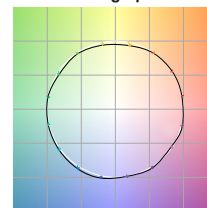
CRI R values



TM30 C Values

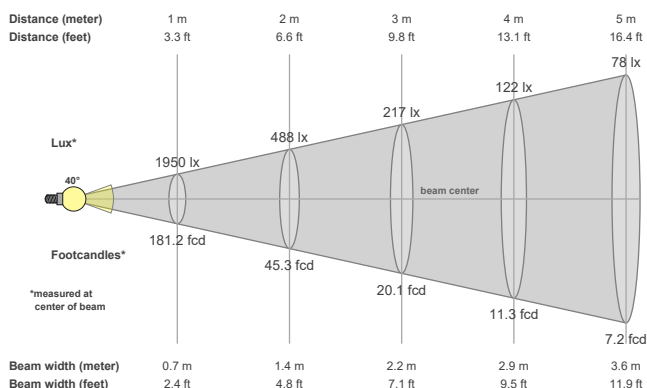


Color vector graphics



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	97.9	96.1	94.3	99.4	95.3	0.437	0.404	0.250	0.349	0.0012

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
39.8°	56.1°	65.8°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1950 cd	99.7%	99.1%

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
1950lx	488lx	217lx	122lx	78lx	54lx	40lx	30lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
181.2fcd	45.3fcd	20.1fcd	11.3fcd	7.2fcd	5fcd	3.7fcd	2.8fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	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 = 1