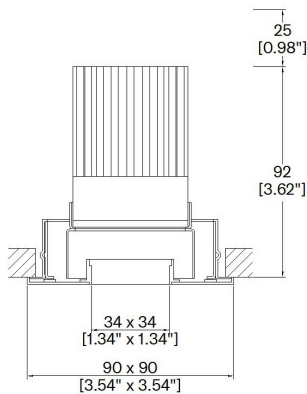


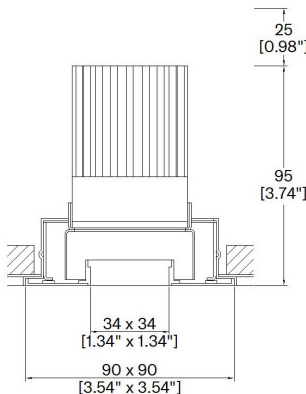
ProSpex Square Edge90 Fixed



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	LED51WD	LED51WD
CCT	3000K	3000K
Drive Current	500mA	500mA
Power inc Driver	17.1W	17.1W
Beam Angle	28°	39°
Delivered Lumens	506	587
Delivered Intensisty cd	1646	1148
Efficacy lm/w	30	34
Forward Volt	29.1V	29.1V
CRI	≥95 CRI	≥95 CRI
Test results at full output		

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

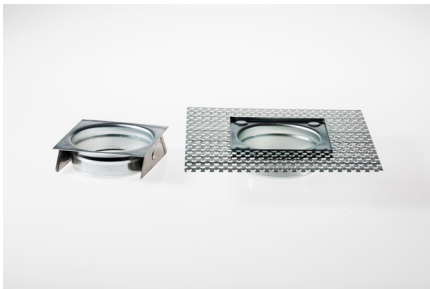
Maintained 3hr Emergency
Maintained 3hr DALI Self Test
Maintained 3hr Self Test

Installation Order Code:

Installation

8000-PBZ-SQ
8000-PCZ-SQ

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



LED Order Code:

LED51WD

 - - -

LED

LED51WD

LED50 ONE Ambiance WarmDim

CCT

2720
3020

2700K - 2000K
3000K - 2000K

Beam

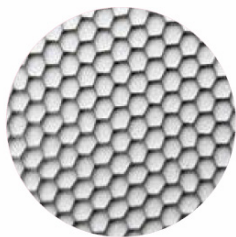
28
39

28°
39°

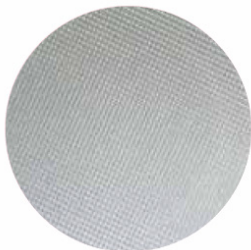
Protocol

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:

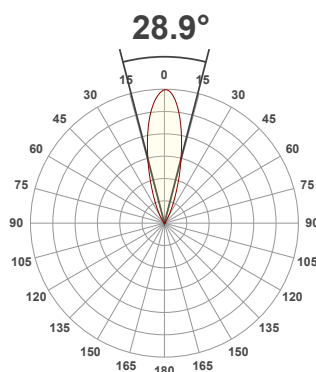
30 Lumen/Watt

Light quality:

CRI: 95.4

Color temperature:

3000 K



Product name:

81433-F_A-LED - LED51WD-3020-28-500mA

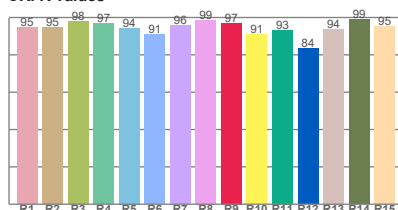
Item number:

Square Edge90 Fixed_Accent - LED51WD-3020-28-500mA

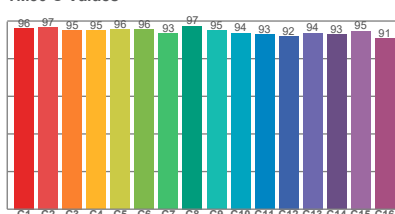
Delivered information for above fixture and LED combination.

Output: 506 Lumen Peak intensity: 1646 cd Power consumption: 17.1

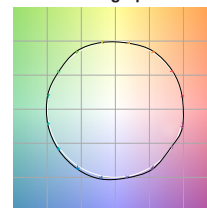
CRI R values



TM30 C Values

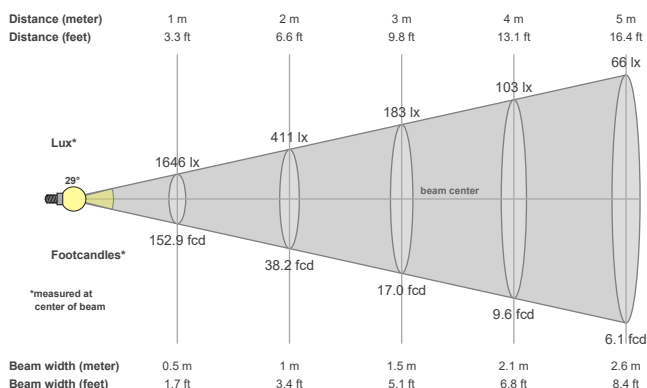


Color vector graphics



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	95.4	97.1	94.6	102.9	94.8	0.437	0.404	0.257	0.343	-0.0067

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
28.9°	55.1°	72.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1646 cd	99.4%	98.4%

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
1646lx	411lx	183lx	103lx	66lx	46lx	34lx	26lx	20lx	16lx	14lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	5lx	4lx
152.9fcd	38.2fcd	17fcd	9.6fcd	6.1fcd	4.2fcd	3.1fcd	2.4fcd	1.9fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

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 = 0.93

Light efficiency:

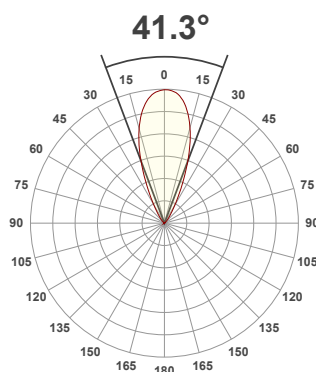
34 Lumen/Watt

Light quality:

CRI: 95.4

Color temperature:

3000 K



Product name:

81433-F_A-LED - LED51WD-3020-39-500mA

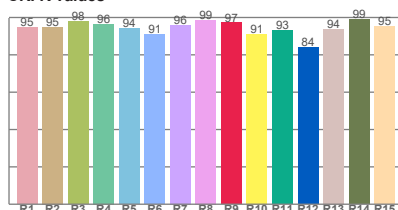
Item number:

Square Edge90 Fixed_Accent - LED51WD-3020-39-500mA

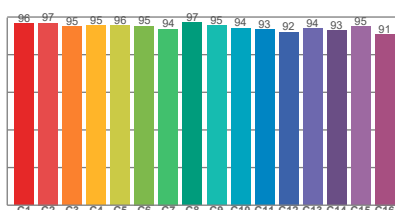
Delivered information for above fixture and LED combination.

Output: 587 Lumen Peak intensity: 1148 cd Power consumption: 17.1

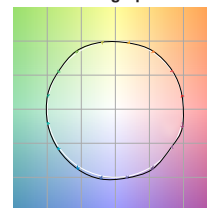
CRI R values



TM30 C Values

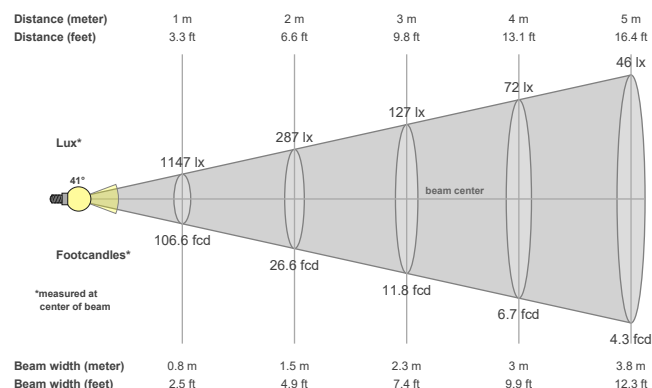


Color vector graphics



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	95.4	97.2	94.7	103.1	94.7	0.437	0.404	0.258	0.343	-0.0067

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
41.3°	67°	88°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1148 cd	99.5%	97.9%

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
1147lx	287lx	127lx	72lx	46lx	32lx	23lx	18lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx	3lx
106.6fcd	26.6fcd	11.8fcd	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 = 0.93