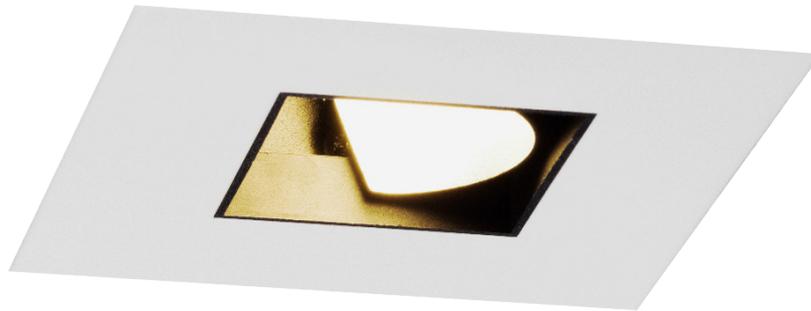
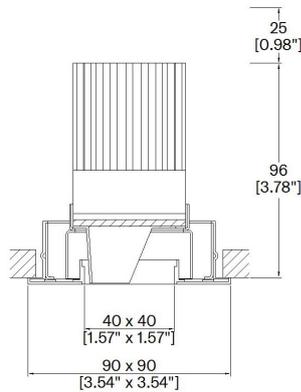


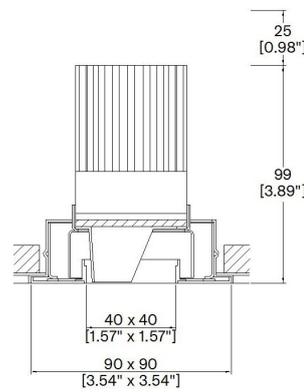
# ProSpex Square Edge90 Washlight



90 x 90mm (3.54 x 3.54") overall dimension. Frosted lens and kick reflector for throwing light onto the wall as well as down. 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-WL-LED + 8000-PBZ-SQ  
Cut-out 83mm Ø



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

LED Source	LED5ITW
CCT range 5000K-2000K	@ 3000K
Drive Current (max per channel)	700mA
Power inc Driver Max	15.1W
Beam Angle	35°
Delivered Lumens	396
Delivered Intensity cd	536
Efficacy lm/w	26
Forward Volt (max per channel)	18.4V
CRI	≥95 CRI

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

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

Fixture Order Code:  -  -  -

Fixture  
81433-WL-LED Square Edge90 Washlight 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

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  
LED51TW LED50 ONE Tuneable White

CCT  
5020 5000K - 2000K

Beam  
35 35°

Protocol  
D6 DALI Type 6\*\*  
D8 DALI Type 8\*\*  
B Bluetooth\*\*\*



Honeycomb Louvre



Warm Tone

Accessories Order Code:

Louvre/Lens

LL45 Honeycomb Louvre  
 LLCC Warm Tone Lens  
 LLUV UV 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.

\*\*DALI Type 6 requires two DALI addresses, one for CCT control the other for Intesisty control. DALI Type 8 is a single DALI Type 8 address for CCT and Intesisty control. Please check which control system is being used before specifying.

\*\*\*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.

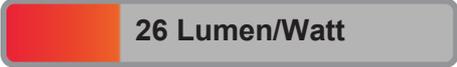
This specification sheet superseded all previous versions.

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

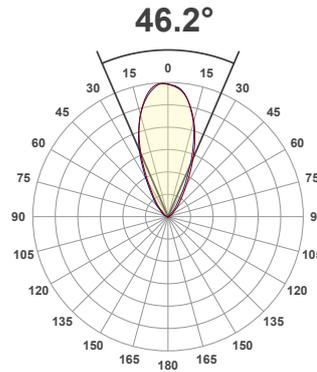
**Light efficiency:**



**Light quality:**



**Color temperature:**



Product name:

**81433-WL-LED - LED51TW-5020-35 @ 3000K**

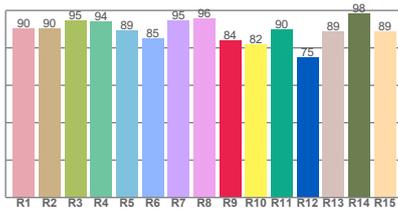
Item number:

**Square Edge90 Washlight - LED51TW-5020-35 @ 3000K**

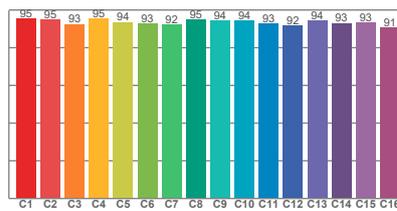
**Delivered information for above fixture and LED combination.**

**Output: 396 Lumen Peak intensity: 536 cd Power consumption: 15.1**

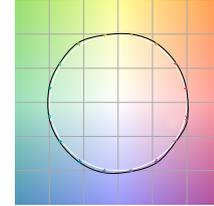
**CRI R values**



**TM30 C Values**

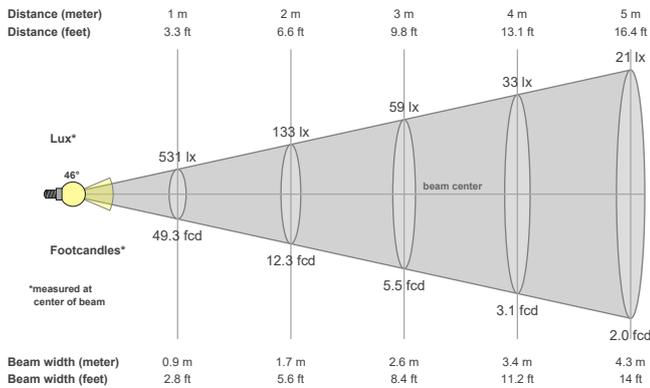


**Color vector graphics**



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	91.8	83.8	93.7	105.8	93.6	0.437	0.404	0.255	0.334	-0.0138

**Beam details**



**Beam angels**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
46.2°	85.7°	119.4°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
536 cd	96.0%	88.1%

**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
531lx	133lx	59lx	33lx	21lx	15lx	11lx	8lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
49.3fcd	12.3fcd	5.5fcd	3.1fcd	2fcd	1.4fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd

All the above information for fixtures with LED51TW-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 = 0.67

2700K = 0.84

3500K = 1.085

4000K = 1.113

5000K = 1.087