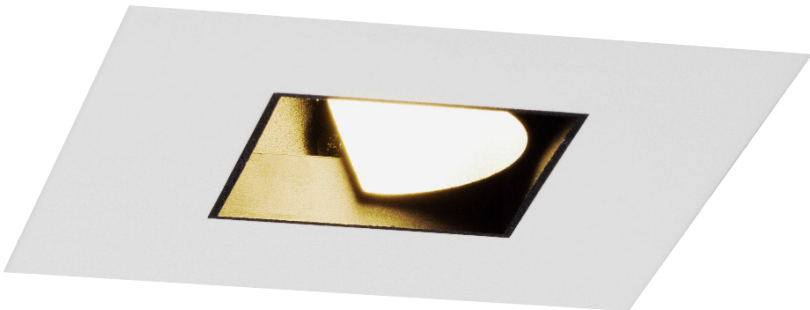
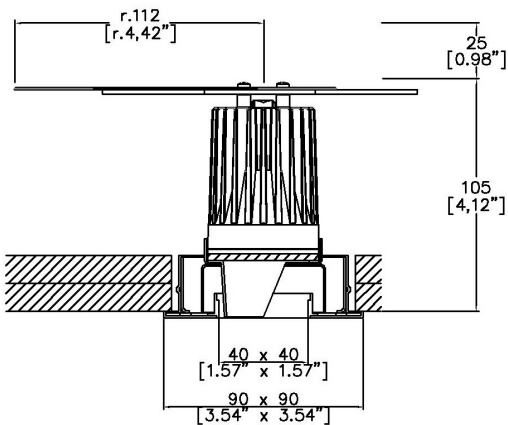


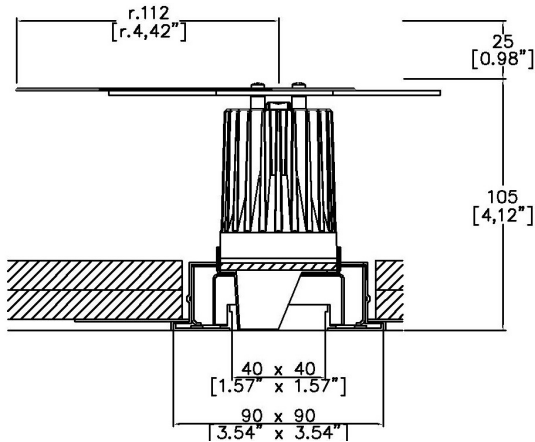
ProSpex Square Edge90 Washlight Fire Rated



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-FR-XX-PB
Cut-out 83mm Ø



81433-WL-FR-XX-PC
Cut-out 83mm Ø

LED Source	LED51/2	LED51/U
CCT	3000K	3000K
Drive Current	350mA	350mA
Power inc Driver	13.6W	13.6W
Beam Angle	38°	38°
Delivered Lumens	557	537
Delivered Intensisty cd	1204	822
Efficacy lm/w	41	39
Forward Volt	36V	33V
CRI	≥90 CRI	≥98 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code:

	81433-WL-FR	-		-		-		-		-		-		-		-		-	
Fixture	81433-WL-FR	Square Edge90	Washlight Fire Rated																
Finish	WH	White																	
	BK	Black																	
	RAL	Custom RAL Colour*																	
Installation	PB	8000-PBZ-SQ Trim																	
	PC	8000-PCZ-SQ Trimless																	
IP Rating	54	IP54																	
LED Type	2	LED50 ONE GEN2 (90 CRI)																	
	U	LED50 ONE ULTRA (98 CRI)																	
CCT	27	2700K																	
	30	3000K																	
	40	4000K (90 CRI ONLY)																	
Beam	12	12°																	
	24	24°																	
	38	38°																	
Protocol	S	Non-Dim																	
	A	Analogue (0-10v)																	
	P	Phase																	
	D	DALI																	
	B	Bluetooth**																	
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
Emergency: If you do not require Emergency please leave the box blank

Technical Details - 60 Minutes Fire Rated Luminaires

This Fire Rated Product has been tested to the following standards:
EN1365-2:2014; Part 2
EN1363-1:2012; Part 1
EN1363-1: 60MINS.
Test certification included in the luminaire specification pack.

The downlight is designed to maintain the integrity of the ceiling/floor construction. It is the responsibility of others to ensure the ceiling and floor construction conforms to the correct standard with regards to fire.

Fire Rated Downlights cannot be adapted for recess depth or installation methodology.

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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 supersedes 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:

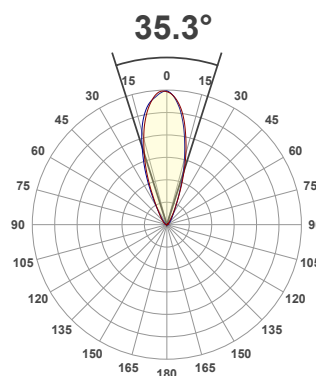
41 Lumen/Watt

Light quality:

CRI: 91.2

Color temperature:

3000 K



Product name:

Square Edge 90 Washlight - LED50 ONE GEN2, 3000K, 38°, 350mA

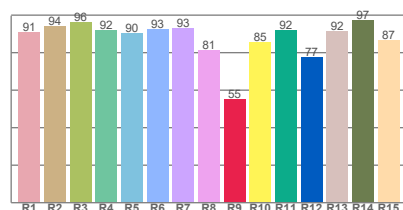
Item number:

91433-WL - LED51/2-30-38-350mA

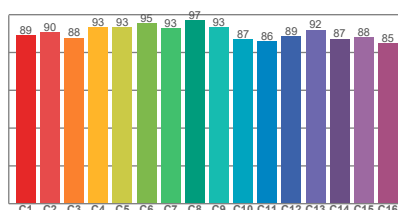
Delivered information for above fixture and LED combination.

Output: 557 Lumen Peak intensity: 1204 cd Power consumption: 13.6

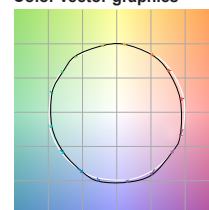
CRI R values



TM30 C Values

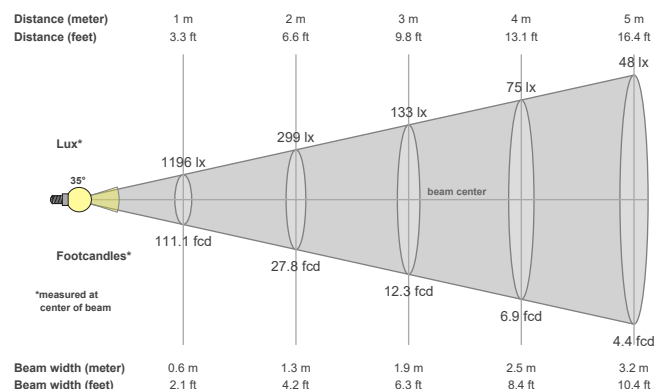


Color vector graphics



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3000 K	91.2	55.2	90.4	98.9	90.2	0.437	0.404	0.250	0.349	0.0017

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
35.3°	63.8°	100.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1204 cd	97.4%	91.5%

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
1196lx	299lx	133lx	75lx	48lx	33lx	24lx	19lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
111.1 fcd	27.8 fcd	12.3 fcd	6.9 fcd	4.4 fcd	3.1 fcd	2.3 fcd	1.7 fcd	1.4 fcd	1.1 fcd	0.9 fcd	0.8 fcd	0.7 fcd	0.6 fcd	0.5 fcd	0.4 fcd	0.4 fcd	0.3 fcd	0.3 fcd	0.3 fcd

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:

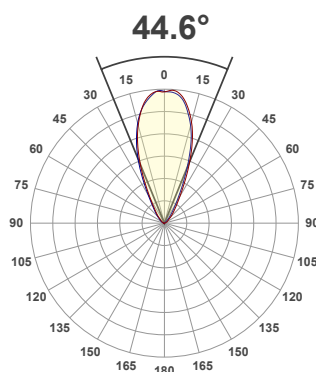
39 Lumen/Watt

Light quality:

CRI: 97.9

Color temperature:

3000 K



Product name:

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

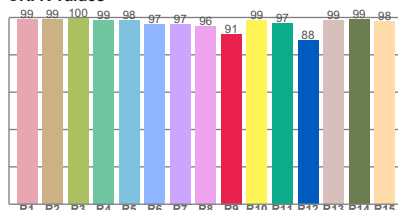
Item number:

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

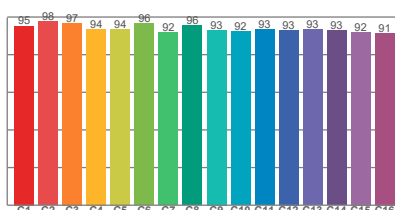
Delivered information for above fixture and LED combination.

Output: 537 Lumen Peak intensity: 822 cd Power consumption: 13.6

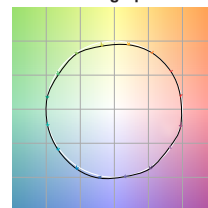
CRI R values



TM30 C Values

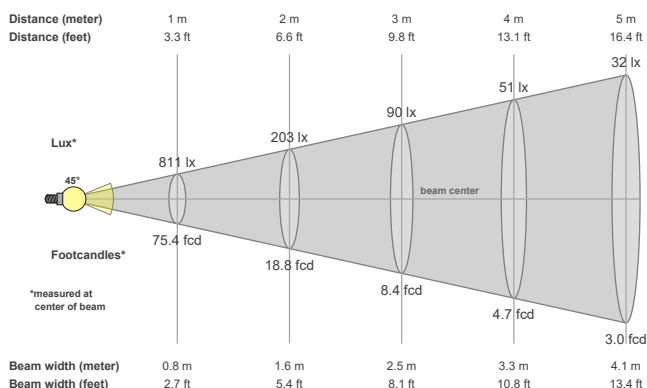


Color vector graphics



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	91.1	94.1	98.9	95.7	0.437	0.404	0.250	0.348	0.0003

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
44.6°	76.7°	111.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
822 cd	96.9%	90.8%

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
811lx	203lx	90lx	51lx	32lx	23lx	17lx	13lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx
75.4fcd	18.8fcd	8.4fcd	4.7fcd	3fcd	2.1fcd	1.5fcd	1.2fcd	0.9fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd

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