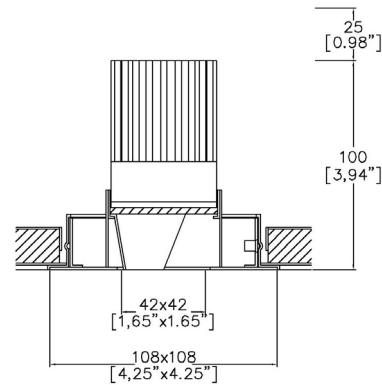# Square Edge4.25 Washlight

Square Edge4.25 provides high performance electronics and architectural aesthetics in 4.25" square trim with a 1.57" square aperture. Square Edge products include adjustable, fixed and washlight in a flanged or trimless installation kit. Tray, retrofit and housing installation methods (NIC, IC, AT, T24 and CCEA) Multiple configurations for equal spacing also available. Lucent modules available in a wide range of color temperatures, beam angles, intensities, and effects (Ambiance WarmDim and Dynamic Tuneable White). MR16 and GU10 LED lamp options available. TRIAC/Phase, 0-10v/1-10v, DMX and DALI/Digital dimming.
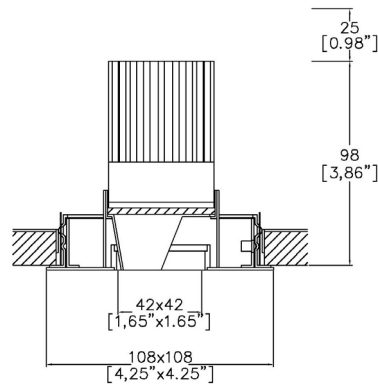
A31433-WL-LED + 3000-PBZ
Cut-out 103mm (4.00") Ø

A31433-WL-LED + 3000-PCZ
Cut-out 98mm (3.85") Ø

Installation kit for overlap flange
8000-PBZ-SQ

Mud-in kit for seamless/trimless
8000-PCZ-SQ

LED Source	LED51TW
CCT (5000K - 2000K)	@ 3000K
Drive Current (max per channel)	700mA
Power inc Driver	15.1W
Beam Angle	35°
Delivered Lumens	396
Delivered Intensisty cd	536
Efficacy lm/w	26
Forward Volt (max per channel)	18.4V
CRI	≥95 CRI

Project Ref: _____   Location Ref: _____

Specify fixture part number (All boxes must be filled in to correctly order)

| A31433-WL-LED | | | | | LED51TW | 5020 | 35 | | | | | | |

Finish
WH   White
BK   Black

Location
XX   Damp as standard
WT   Wet

Installation
PB   8000-PBZ-SQ Flange kit
PC   8000-PCZ-SQ Mud-in kit

Ceiling Thickness
SC   Standard Ceiling (1/2"-5/8"-3/4")
C   Custom

LED Type
LED51TW   LED51TW (95CRI)

CCT
5020   5000K - 2000K

Beam Angles
35   35

Housing/Tray
LMT-13-NIC   Mounting Tray Non-Insulated ceilings
LH-6.75-NIC   Housing 6.75" Non-Insulated ceilings
LH-8.50-AT/IC   Housing 8.50" Insulated/Air-tight ceilings and Chicago Plenum

Mounting Hardware
09   9" to 15.25" - Adjustable Bar Hanger Lengths
14   14" to 24" - Adjustable Bar Hanger Lengths
36   28" to 36" - Adjustable Bar Hanger Lengths
BB   Butterfly Bracket
CB   Caterpillar Bracket

Supply Voltage
120   120V
277   277V

Dimming Protocol
A2   Analogue (0-10V) 2-Channel (0.1% Dimming)
D6   DALI Type 6** (0.1% Dimming)
D8   DALI Type 8** (0.1% Dimming)
L   Lutron (Consult Factory)
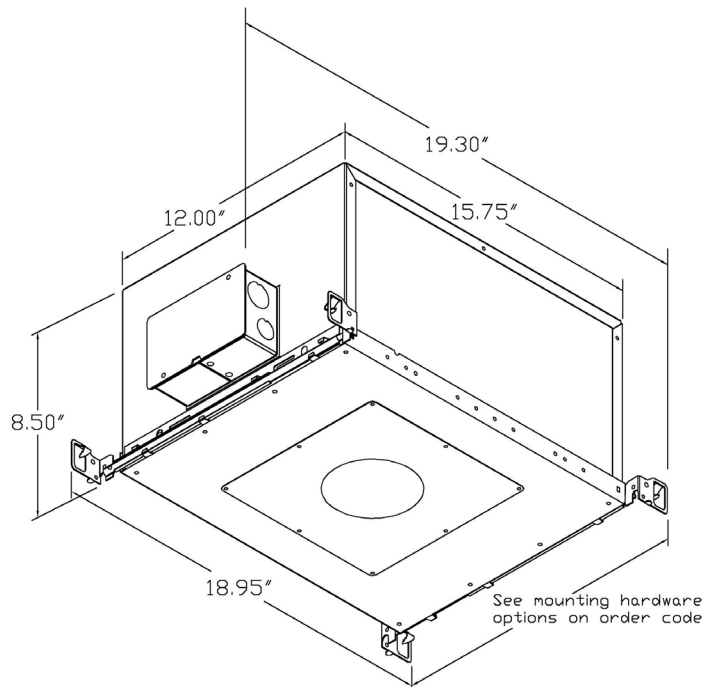
Emergency
E   3hr Emergency
ES   3hr Self Test

Louvre/Lens
XX   Not required
LL45   Honeycomb
LLCC   Warm Tone
LLUV   UV

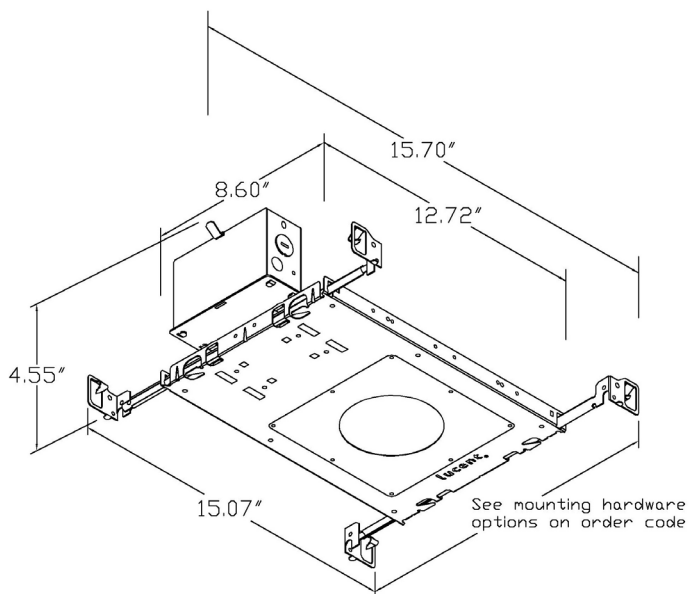*Refer to Technical Details for more information

Housing dimensions

15.35″

8.75″   11.75″

6.75″

14.95″

See mounting hardware
options on order code

LH-6.75
Non-insulated ceilings

19.30″

12.00″   15.75″

8.50″

18.95″

See mounting hardware
options on order code

LH-8.50
Insulated/air-tight ceilings and
Chicago Plenum

Tray dimensions

15.70″

8.60″

12.72″

4.55″

15.07″

See mounting hardware
options on order code

LMT-13
Non-insulated ceilings
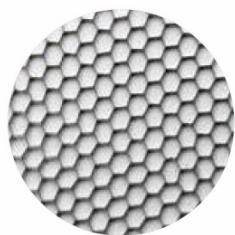
Honeycomb Louvre (LL45)

Warm Tone (LLCC)

Technical Details

*Custom color requires a paint chip or RAL code and may increase price and lead-time

It is the responsibility of the specifier/integrator/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 a communication protocol. The exact dimming protocol must be confirmed to allow the selection of suitable drivers or Bluetooth devices.

***Non specific driver type, dimming performance depending on exact driver used. Contact Lucent Lighting for more information.

^ 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 installation instructions prior to purchase.

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)

Location. Tested from underside of the ceiling.

Data correct at time of publishing. 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.

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, Incorporated. Lucent Lighting reserves the right to take whatever action is necessary to protect its intellectual property, patents and trademarks

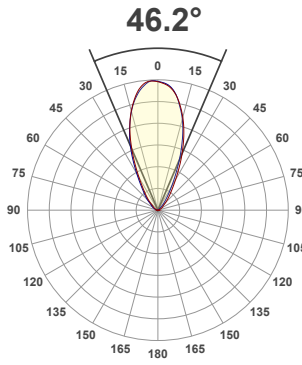Please notify Lucent Lighting Inc. inaccuracies. E&OE

lucent ®

Light efficiency:

| 26 Lumen/Watt |

Light quality:

| CRI: 91.8 |

Color temperature:

| 3000 K |

46.2°

Product name:
A31433-WL-LED -
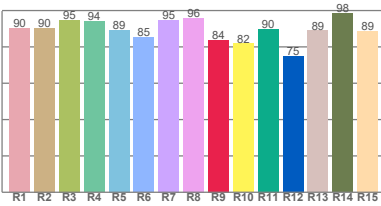**LED51TW-5020-35 @ 3000K**

Item number:
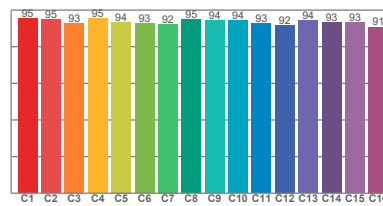**Square Edge4.25 Washlight -**
LED51TW-5020-35 @ 3000K

Delivered information for above fixture and LED combination.

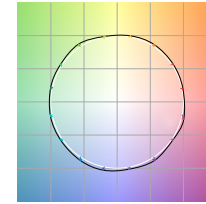**Output: 396 Lumen**   **Peak intensity: 536 cd**   **Power consumption: 15.1**

CRI R values

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90	90	95	94	89	85	95	96	84	82	90	75	89	98	89

TM30 C Values

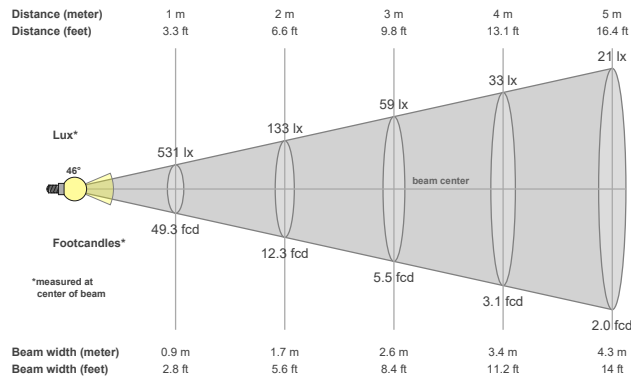	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95	95	93	95	94	93	92	95	94	94	93	92	94	93	93	91

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	91.8	83.8	93.7	105.8	93.6	0.437	0.404	0.255	0.334	-0.0138

Beam details

Distance (meter)	1 m	2 m	3 m	4 m	5 m
Distance (feet)	3.3 ft	6.6 ft	9.8 ft	13.1 ft	16.4 ft

Lux*: 531 lx, 133 lx, 59 lx, 33 lx, 21 lx

46°

beam center

Footcandles*: 49.3 fcd, 12.3 fcd, 5.5 fcd, 3.1 fcd, 2.0 fcd

*measured at center of beam

Beam width (meter)	0.9 m	1.7 m	2.6 m	3.4 m	4.3 m
Beam width (feet)	2.8 ft	5.6 ft	8.4 ft	11.2 ft	14 ft

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

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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