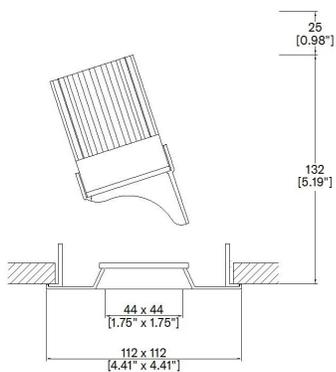


# Plus3.5 Square Bevel Accent



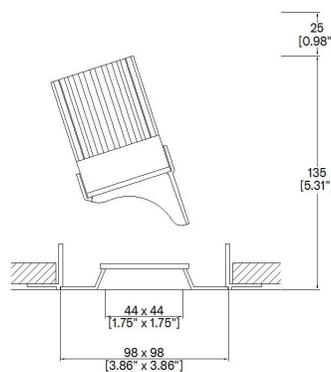
Plus provides high performance electronics and architectural aesthetics in round and square 3.5” and 5” trim. Plus products include adjustable, fixed and wallwash in a flanged or trimless installation kit. Adjustable can be provided with gear driven adjustment or manual adjustment. Available in various front plates (Conical, Bevel, Edge, Pyramidal and Square Bevel) Bevel and Square Bevel available with various color inserts. 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). MRI6 and GU10 LED lamp options available. TRIAC/Phase, 0-10v/1-10v, DMX and DALI/Digital dimming.



**A093+33-LED-TR-SQ**  
359° rotation. Up to 45° tilt.  
Cut-out 102 x 102mm  
(4.02" x 4.02")



**Installation kit for overlap flange**



**A093+33-LED-TL-SQ**  
359° rotation. Up to 45° tilt.  
Cut-out 102 x 102mm  
(4.02" x 4.02")



**Mud-in kit for seamless/trimless**

LED Source	LED51TW	LED51TW
CCT (5000K - 2000K)	@ 3000K	@ 3000K
Drive Current (max per channel)	700mA	700mA
Power inc Driver	15.1W	15.1W
Beam Angle	25°	35°
Delivered Lumens	457	487
Delivered Intensity cd	1999	1194
Efficacy lm/w	30	32
Forward Volt (max per channel)	18.4V	18.4V
CRI	≥95 CRI	≥95 CRI

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

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

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

A093+33-LED					LED5ITW	5020							
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**Installation**

- TR-SQ Flange kit
- TL-SQ Mud-in kit

**Finish**

- WH White
- BK Black

**Location**

- XX Dry
- DP Damp

**Ceiling Thickness**

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

**LED Type**

- LED5ITW LED5ITW (95CRI)

**CCT**

- 5020 5000K - 2000K

**Beam Angles**

- 25 25
- 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**

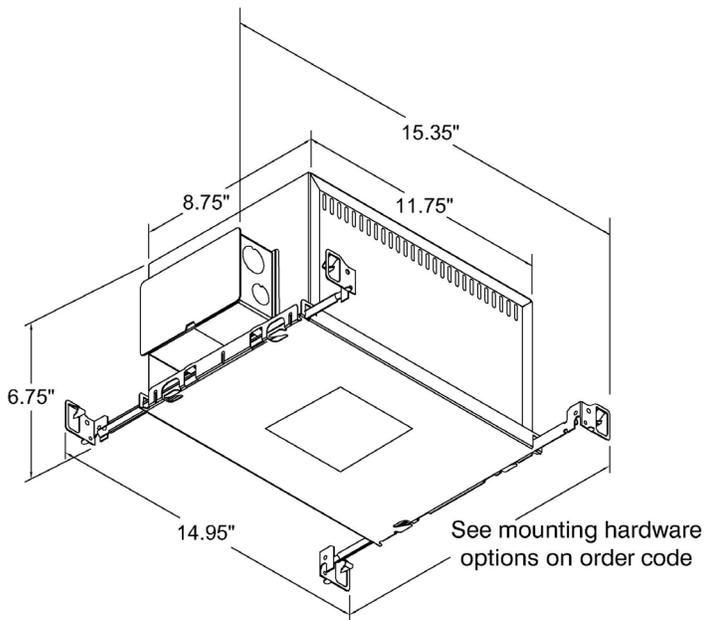
- A2 Analogue (0-10V) 2-Channel (0.1% Dimming)
- D6 DALI Type 6\*\* (0.1% Dimming)
- D8 DALI Type 8\*\* (0.1% Dimming)
- L Lutron (Consult Factory)

- Emergency**
- E 1.5h Emergency
  - ES 1.5h Self test

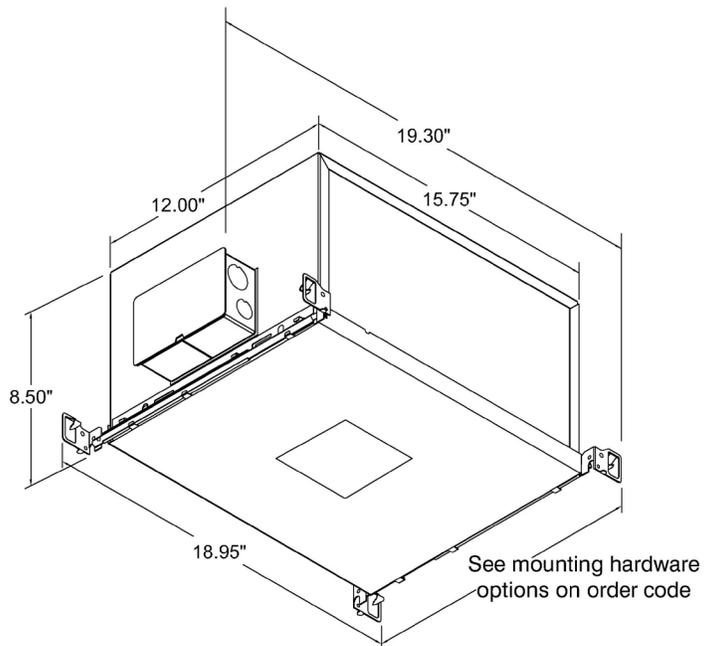
- Louvre/Lens**
- XX Not required
  - LL45 Honeycomb
  - LLCC Warm Tone
  - LLUV UV
  - LLDF Solite/Diffusing
  - LLFR Frosted Lens
  - LLLS Linear Spread
  - LLHS Heavy Spread

\*Refer to Technical Details for more information

## Housing dimensions

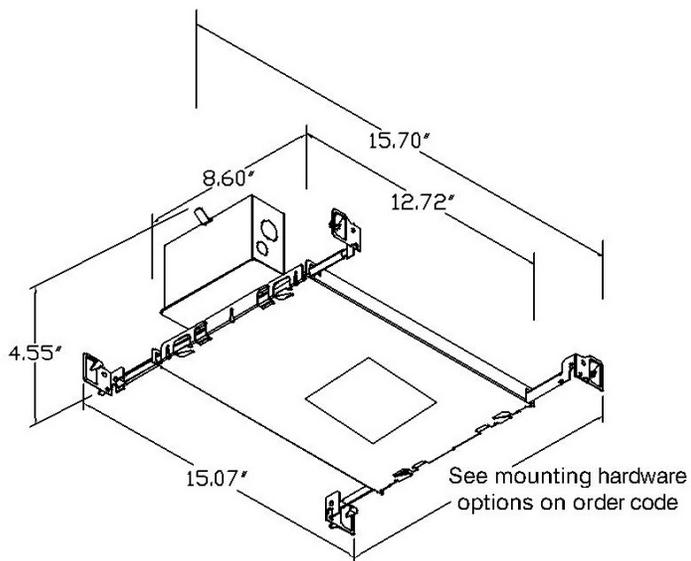


LH-6.75  
Non-insulated ceilings

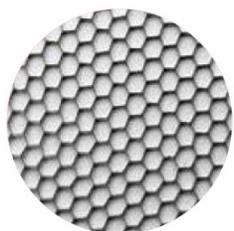


LH-8.50  
Insulated/air-tight ceilings and  
Chicago Plenum

## Tray dimensions



LMT-13  
Non-insulated ceilings



**Honeycomb Louvre (LL45)**



**Solite/Diffusing Lens (LLDF)**



**Frosted Lens (LLFR)**



**Heavy Spread Lens (LLHS)**



**Linear Spread Lens (LLLS)**



**Warm Tone (LLCC)**

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## 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.

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

^ 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.

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Please notify Lucent Lighting Inc. inaccuracies. E&OE

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Light efficiency:

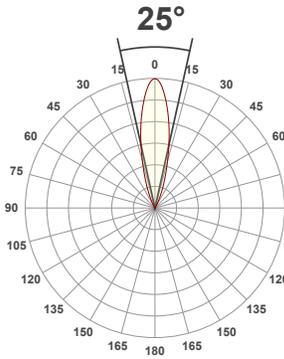
**30 Lumen/Watt**

Light quality:

**CRI: 91.6**

Color temperature:

**3000 K**



Product name:

**093+33-LED-SQ - LED51TW-5020-25 @ 3000K**

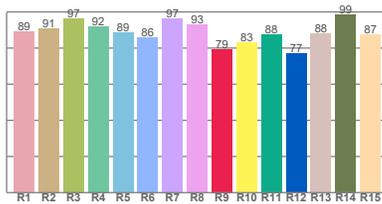
Item number:

**Plus Square Bevel Locking Accent - LED51TW-5020-25 @ 3000K**

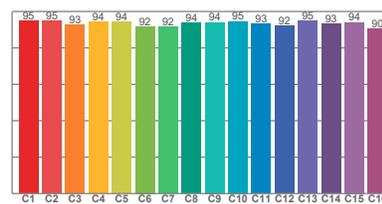
**Delivered information for above fixture and LED combination.**

**Output: 457 Lumen Peak intensity: 1999 cd Power consumption: 15.1**

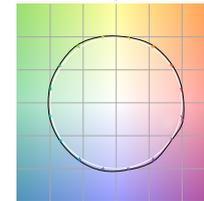
CRI R values



TM30 C Values

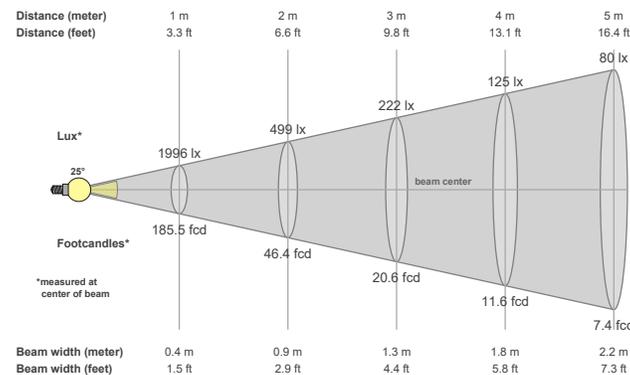


Color vector graphics



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	91.6	79.4	93.6	106.5	93.7	0.437	0.404	0.256	0.336	-0.0127

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
25°	47.7°	59.5°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1999 cd	98.6%	97.2%

**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
1996lx	499lx	222lx	125lx	80lx	55lx	41lx	31lx	25lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
185.5fcd	46.4fcd	20.6fcd	11.6fcd	7.4fcd	5.2fcd	3.8fcd	2.9fcd	2.3fcd	1.9fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.5fcd

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

Light efficiency:

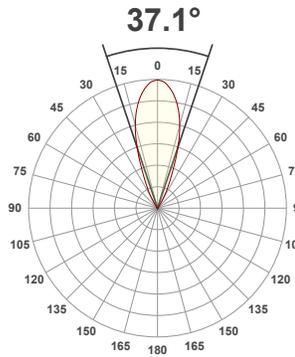
**32 Lumen/Watt**

Light quality:

**CRI: 91.7**

Color temperature:

**3000 K**



Product name:

**093+33-LED-SQ - LED51TW-5020-35 @ 3000K**

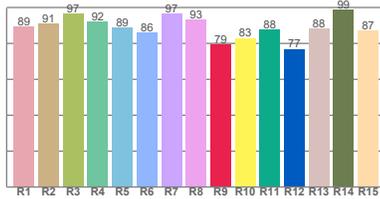
Item number:

**Plus Square Bevel Locking Accent - LED51TW-5020-35 @ 3000K**

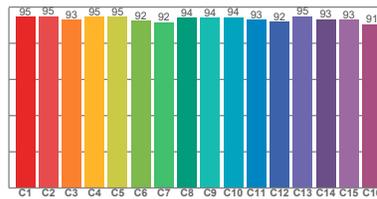
**Delivered information for above fixture and LED combination.**

**Output: 487 Lumen Peak intensity: 1194 cd Power consumption: 15.1**

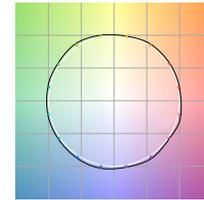
CRI R values



TM30 C Values

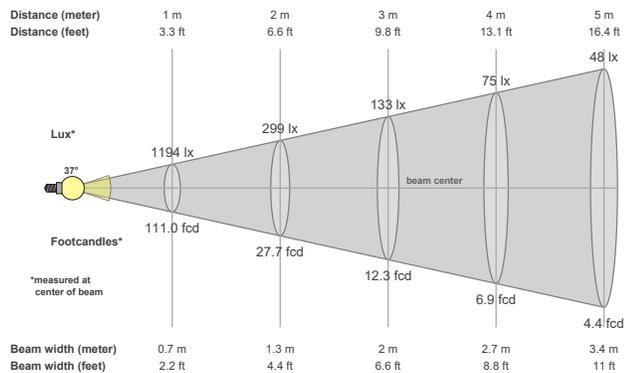


Color vector graphics



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	91.7	79.4	93.7	106.3	94.0	0.437	0.404	0.255	0.336	-0.0123

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
37.1°	60.3°	70.5°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1194 cd	98.1%	96.5%

## 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
1194lx	299lx	133lx	75lx	48lx	33lx	24lx	19lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
111fcd	27.7fcd	12.3fcd	6.9fcd	4.4fcd	3.1fcd	2.3fcd	1.7fcd	1.4fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd

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:

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