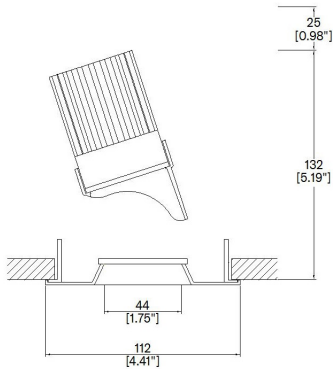


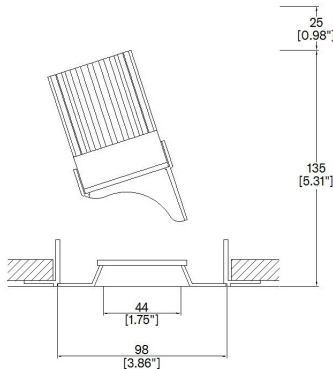
Plus3.5 Bevel Accent Non-Locking



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). MR16 and GU10 LED lamp options available. TRIAC/Phase, 0-10v/1-10v, DMX and DALI/Digital dimming.



A093+13-NL-LED-TR  
359° rotation. Up to 45° tilt.  
Cut-out 102mm (4.02”) Ø



A093+13-NL-LED-TL  
359° rotation. Up to 45° tilt.  
Cut-out 102mm (4.02”) Ø



Installation kit for overlap flange



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	475	529
Delivered Intensisty cd	2080	1225
Efficacy lm/w	31	35
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+13-NL-LED					LED5ITW	5020								
----------------	--	--	--	--	---------	------	--	--	--	--	--	--	--	--

Installation

TR Flange kit  
TL Mud-in kit

Finish

WH White  
BK Black  
RAL Custom\*

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

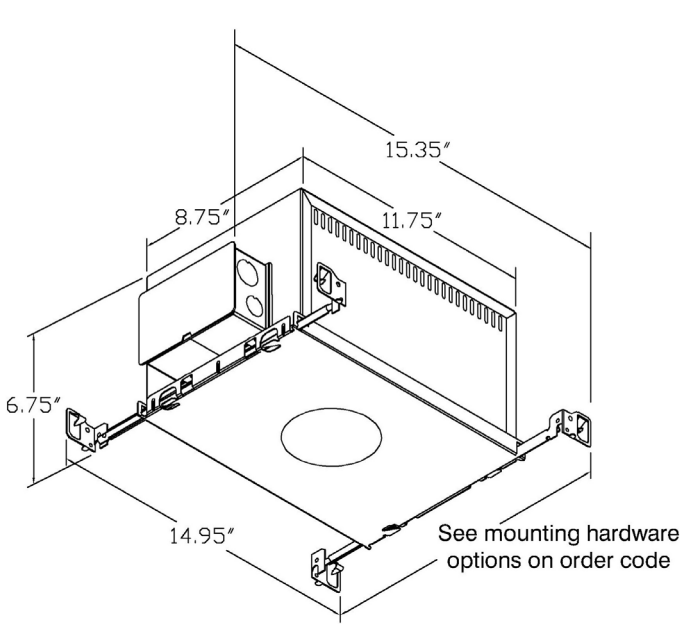
A2 Analogue (0-10V) 2-Channel (0.1% Dimming)  
D6 DALI Type 6\*\* (0.1% Dimming)  
D8 DALI Type 8\*\* (0.1% Dimming)  
L Lutron (Consult Factory)

Emergency  
E 1.5h Emergency  
ES 1.5h Self test

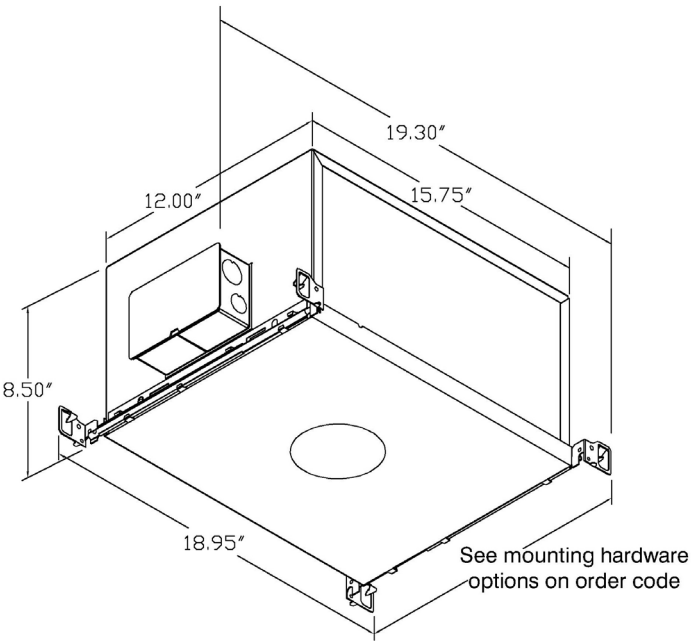
Louvre/Lens  
XX Not required  
LL45 Honeycomb  
LLCC Warm Tone  
LLUV UV  
LLDF Solite/Diffusing  
LLFR Frosted Lens  
LLLS Linear Spread  
LLHS Heavy Spread

\*Refer to Technical Details for more information

Housing dimensions

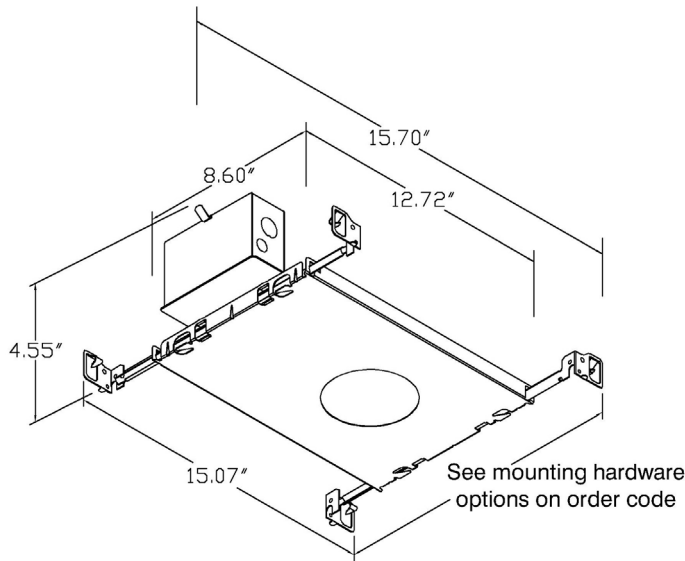


LH-6.75  
Non-insulated ceilings

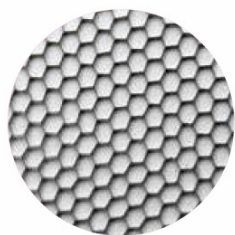


LH-8.50  
Insulated/air-tight ceilings and  
Chicago Plenum

Tray dimensions



LMT-13  
Non-insulated ceilings



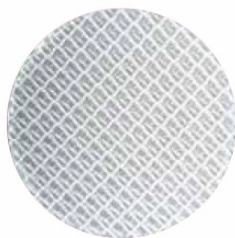
**Honeycomb Louvre (LL45)**



**Solite/Diffusing Lens (LLDF)**



**Frosted Lens (LLFR)**



**Heavy Spread Lens (LLHS)**



**Linear Spread Lens (LLLS)**



**Warm Tone (LLCC)**

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.

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Please notify Lucent Lighting Inc. in accuracies. E&OE



## Light efficiency:

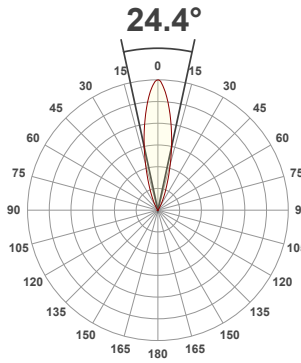
**31 Lumen/Watt**

## Light quality:

**CRI: 91.5**

## Color temperature:

**3000 K**



## Product name:

**093+NL-13-LED - LED51TW-5020-25 @ 3000K**

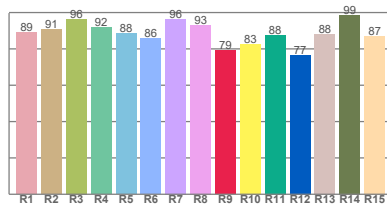
## Item number:

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

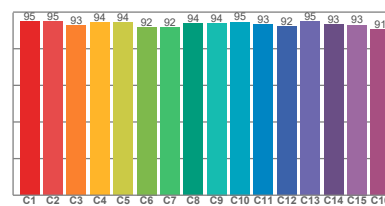
**Delivered information for above fixture and LED combination.**

**Output: 475 Lumen Peak intensity: 2080 cd Power consumption: 15.1**

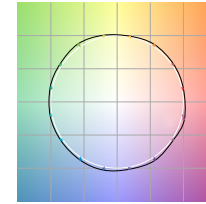
## CRI R values



## TM30 C Values

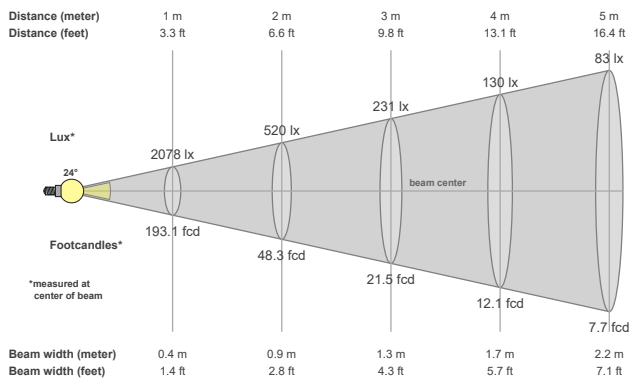


## Color vector graphics



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	91.5	79.0	93.6	106.7	93.7	0.437	0.404	0.255	0.336	-0.0129

## Beam details



## Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
24.4°	48.8°	62.7°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2080 cd	99.5%	99.2%

## 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
2078lx	520lx	231lx	130lx	83lx	58lx	42lx	32lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
193.1fcd	48.3fcd	21.5fcd	12.1fcd	7.7fcd	5.4fcd	3.9fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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:

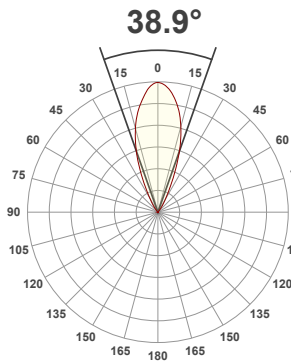
**35 Lumen/Watt**

## Light quality:

**CRI: 91.7**

## Color temperature:

**3000 K**



## Product name:

**093+NL-13-LED - LED51TW-5020-35 @ 3000K**

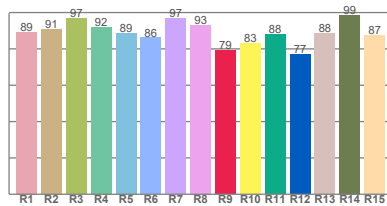
## Item number:

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

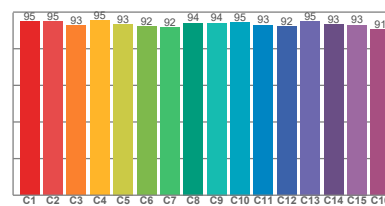
**Delivered information for above fixture and LED combination.**

**Output: 529 Lumen Peak intensity: 1225 cd Power consumption: 15.1**

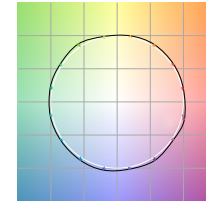
## CRI R values



## TM30 C Values

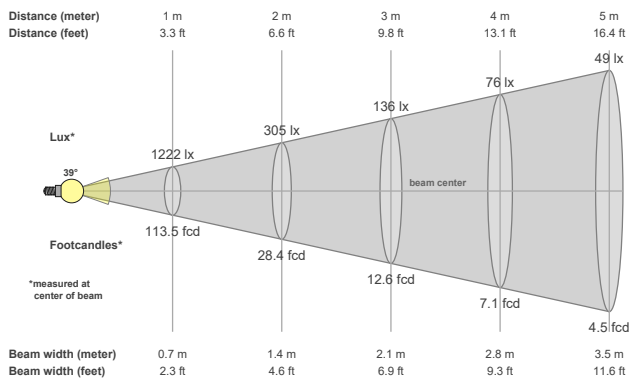


## Color vector graphics



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	79.2	93.7	106.4	93.9	0.437	0.404	0.255	0.336	-0.0125

## Beam details



## Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
38.9°	62.7°	76.5°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1225 cd	99.7%	99.5%

## 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
1222lx	305lx	136lx	76lx	49lx	34lx	25lx	19lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
113.5fcd	28.4fcd	12.6fcd	7.1fcd	4.5fcd	3.2fcd	2.3fcd	1.8fcd	1.4fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	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:

2000K = 0.67

2700K = 0.84

3500K = 1.085

4000K = 1.113

5000K = 1.087