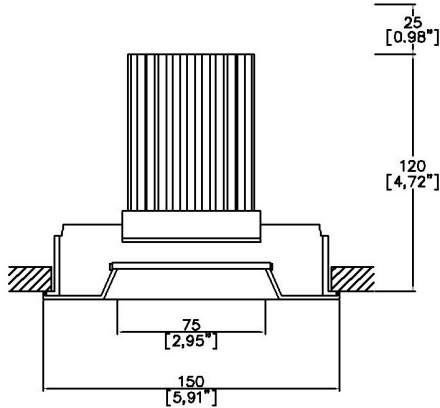


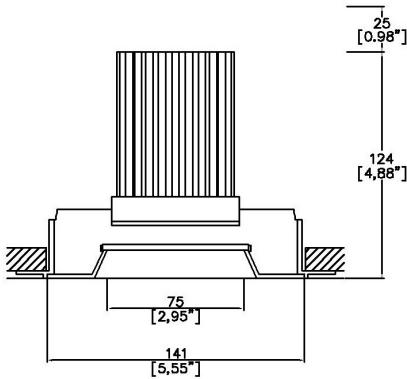
Plus5 XL Bevel Fixed



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). TRIAC/Phase, 0-10v/1-10v, DMX and DALI/Digital dimming.



A090+XL-13-LED-TR
Cut-out 146mm Ø
(5.75” Ø)



A090+XL-13-LED-TL
Cut-out 146mm Ø
(5.75” Ø)



Installation kit for overlap flange



Mud-in kit for seamless/trimless

LED Source	LED71TW	LED71TW	LED71TW
CCT range 5000K-2000K	@ 3000K	@ 3000K	@ 3000K
Drive Current (max per channel)	1000mA	1000mA	1000mA
Power inc Driver Max	27.5W	27.5W	27.5W
Beam Angle	19°	23°	42°
Delivered Lumens	1486	1416	1383
Delivered Intensisty cd	6173	3735	2241
Efficacy lm/w	54	51	50
Forward Volt (max per channel)	23.4V	23.4V	23.4V
CRI	≥95 CRI	≥95 CRI	≥95 CRI

Project Ref: _____ Location Ref: _____

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

A090+XL-13-LED					LED71TW	5020								
----------------	--	--	--	--	---------	------	--	--	--	--	--	--	--	--

Installation

TR Flange kit
TL Mud-in kit

Finish

WH White
BK Black
RAL Custom*

Location

XX Dry
DP Damp
WT Wet

Ceiling Thickness

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

LED Type

LED71TW LED71 Dynamic Tuneable White (95CRI)

CCT

5020 5000K - 2000K

Beam Angles

19 19
23 23
42 42

Housing/Tray

LMT-15-NIC Mounting Tray Non-Insulated ceilings
LH-8.50-NIC Housing 8.50" Non-Insulated ceilings
LH-11.25-AT/IC Housing 11.25" 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

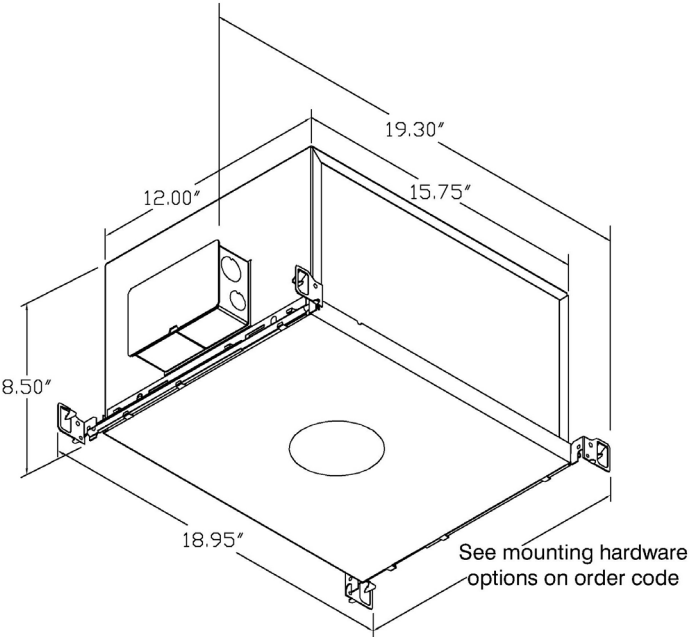
A2 Analogue (0-10V) 2-Channel (0.1% Dimming)
D6 DALI Type 6** (0.1% Dimming)
D8 DALI Type 8** (0.1% Dimming)
L Lutron (Consult Factory)

Emergency
E 3hr Emergency
ES 3hr Self Test

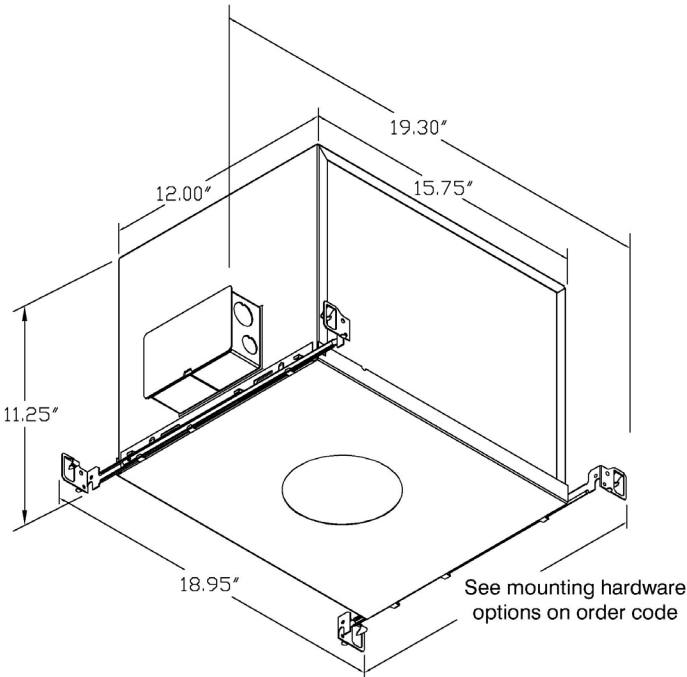
Louvre/Lens
XX Not required
MD45 Honeycomb
MDUV UV
MDDF Solite/Diffusing
MDFR Frosted Lens
MDLS Linear Spread
MDHS Heavy Spread

*Refer to Technical Details for more information

Housing dimensions

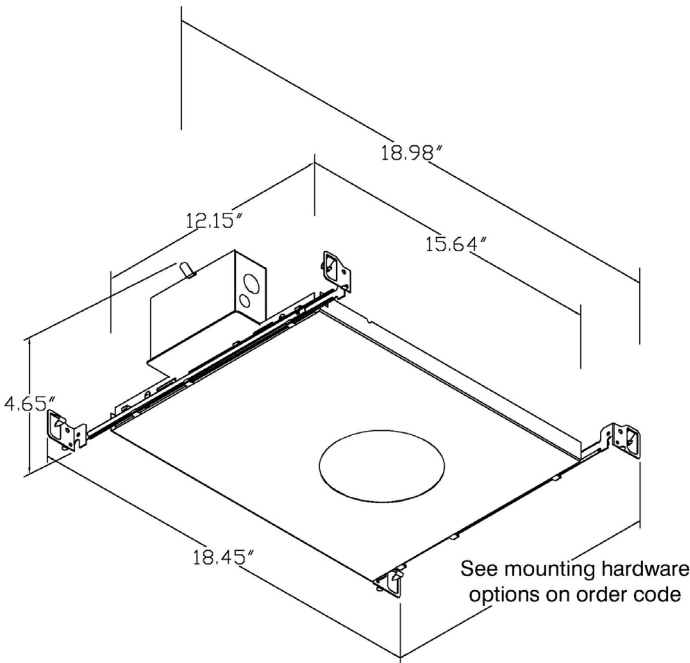


LH-8.50
Non-insulated ceiling

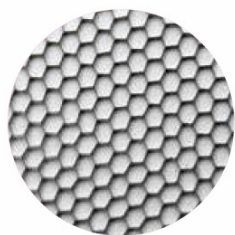


LH-11.25
Insulated/air-tight ceilings and
Chicago Plenum

Tray dimensions



LMT-15
Non-insulated ceilings



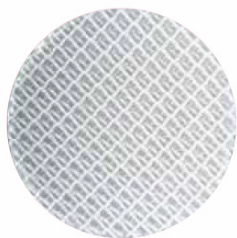
Honeycomb Louvre (MD45)



Solite/Diffusing Lens (MDDF)



Frosted Lens (MDFR)



Heavy Spread Lens (MDHS)



Linear Spread Lens (MDLS)

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:

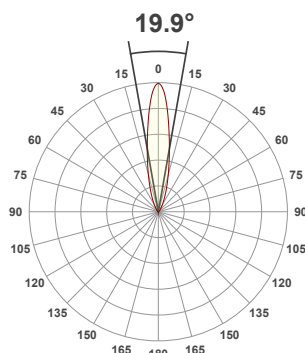
54 Lumen/Watt

Light quality:

CRI: 90.2

Color temperature:

3000 K



Product name:

090+XL-13-LED - LED71W-5020-19 - 3000K

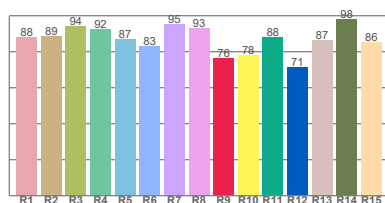
Item number:

Plus XL Bevel Fixed - LED71W-5020-19 @ 3000K

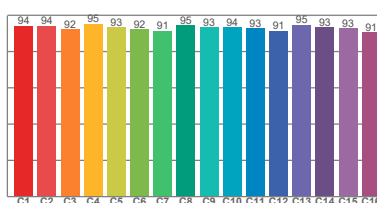
Delivered information for above fixture and LED combination.

Output: 1486 Lumen Peak intensity: 6173 cd Power consumption: 27.5

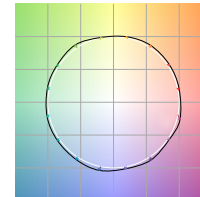
CRI R values



TM30 C Values

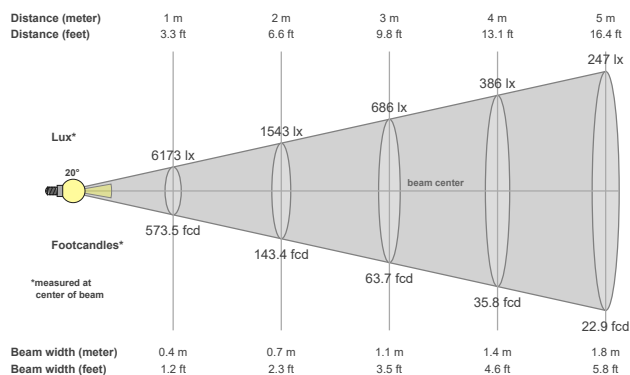


Color vector graphics



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	90.2	76.3	93.4	106.5	93.7	0.437	0.404	0.251	0.348	-0.0155

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
19.9°	50.7°	79.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6173 cd	99.5%	95.5%

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
6173lx	1543lx	686lx	386lx	247lx	171lx	126lx	96lx	76lx	62lx	51lx	43lx	37lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
573.5fcd	143.4fcd	63.7fcd	35.8fcd	22.9fcd	15.9fcd	11.7fcd	9fcd	7.1fcd	5.7fcd	4.7fcd	4fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd	1.4fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17

Light efficiency:

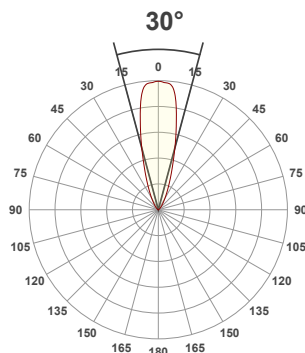
51 Lumen/Watt

Light quality:

CRI: 90.0

Color temperature:

3000 K



Product name:

090+XL-13-LED - LED71W-5020-23 3000K

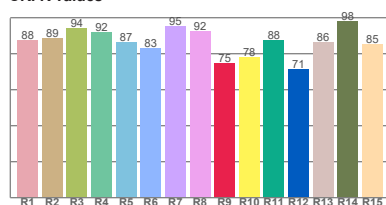
Item number:

Plus XL Bevel Fixed - LED71W-5020-23 @ 3000K

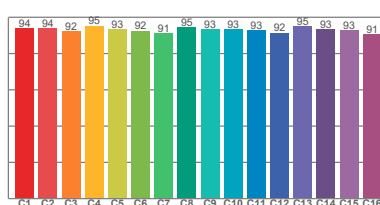
Delivered information for above fixture and LED combination.

Output: 1416 Lumen Peak intensity: 3735 cd Power consumption: 27.5

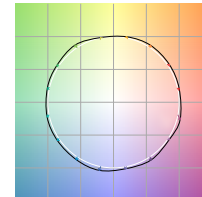
CRI R values



TM30 C Values

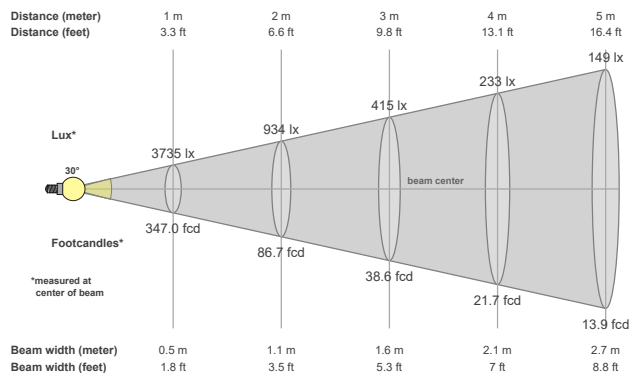


Color vector graphics



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	90.0	74.9	93.3	106.6	93.8	0.437	0.404	0.251	0.348	-0.0157

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
30°	60.6°	90.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3735 cd	99.3%	94.9%

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
3735lx	934lx	415lx	233lx	149lx	104lx	76lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
347fcd	86.7fcd	38.6fcd	21.7fcd	13.9fcd	9.6fcd	7.1fcd	5.4fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17

Light efficiency:

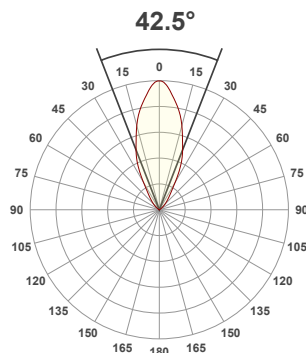
50 Lumen/Watt

Light quality:

CRI: 90.0

Color temperature:

3000 K



Product name:

090+XL-13-LED - LED71W-5020-42 - 3000K

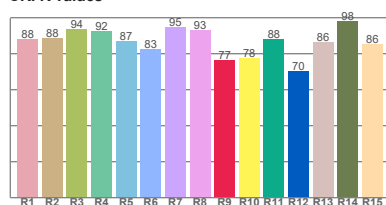
Item number:

Plus XL Bezel Fixed - LED71W-5020-42 - 3000K

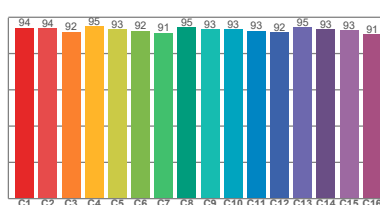
Delivered information for above fixture and LED combination.

Output: 1383 Lumen Peak intensity: 2241 cd Power consumption: 27.5

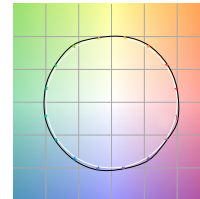
CRI R values



TM30 C Values

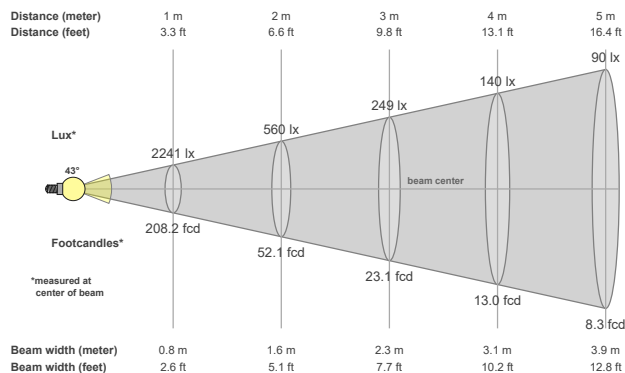


Color vector graphics



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	90.0	76.5	93.3	106.4	93.6	0.437	0.404	0.251	0.348	-0.0156

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
42.5°	79.7°	105°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2241 cd	99.6%	93.7%

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
2241lx	560lx	249lx	140lx	90lx	62lx	46lx	35lx	28lx	22lx	19lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
208.2 fcd	52.1 fcd	23.1 fcd	13 fcd	8.3 fcd	5.8 fcd	4.2 fcd	3.3 fcd	2.6 fcd	2.1 fcd	1.7 fcd	1.4 fcd	1.2 fcd	1.1 fcd	0.9 fcd	0.8 fcd	0.7 fcd	0.6 fcd	0.6 fcd	0.5 fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17