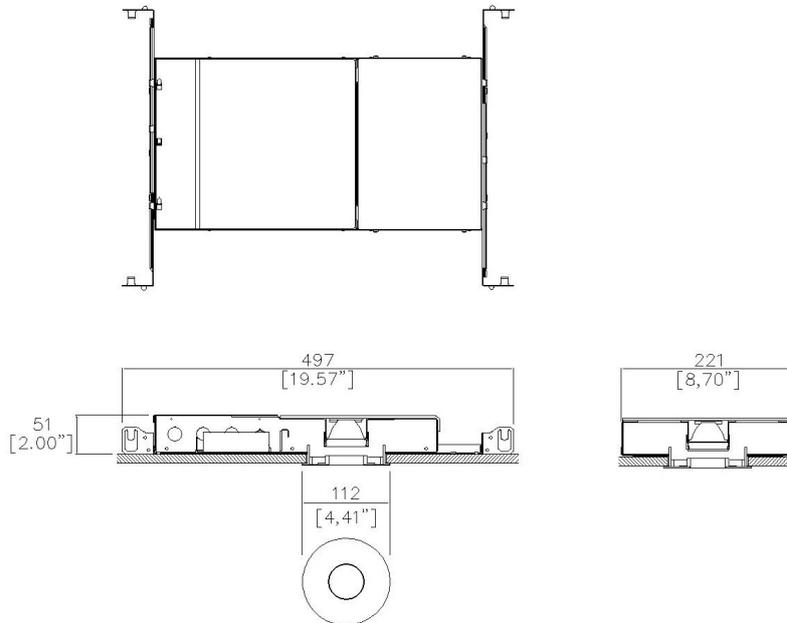


Plus Edge LP Low Profile Fixed Downlight



Shallow 2" housing provides high performance electronics and architectural aesthetics in round and square 3.5" trim. Using our standard Plus front plates with a shallow height 2" housing with built in LED. Include fixed in a flanged or trimless installation kit. Available in various front plates (Conical, Bevel, Edge, Pyramidal and Square Bevel). 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.



ALP090+113-LED-TR - LH-LP-2.00
Cut-out 4.02" (102mm)



Installation kit for overlap flange

LED Source	LED	LED	LED	LED
CCT	3000K	3000K	3000K	3000K
Drive Current	400mA	400mA	400mA	400mA
Power inc Driver	16.3W	16.3W	16.3W	16.3W
Beam Angle	17°	24°	35°	55°
Delivered Lumens	1143	1113	1104	996
Delivered Intensity cd	9707	6405	3783	1638
Efficacy lm/w	70	68	68	61
Forward Volt	34.6V	34.6V	34.6V	34.6V
CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥90 CRI

Project Ref: _____

Location Ref: _____

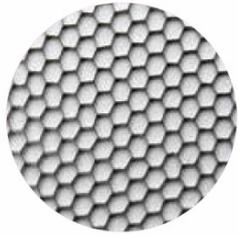
Specify fixture part number (All boxes must be filled in to correctly order)

ALP090+113-LED-TR					LH-LP-2.00	NIC	RTR				
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Finish	_____
WH	White
BK	Black
RAL	Custom*
CCT	_____
27	2700K
30	3000K
40	4000K
Beam Angles	_____
17	17
24	24
35	35
55	55
Ceiling Thickness	_____
SC	Standard Ceiling (1/2"-5/8"-3/4")
C	Custom
Housing Size	_____
LH-LP-2.00	Lucent Housing Low Profile 2.00"
Housing Type	_____
NIC	Non-Insulated Ceiling
Fixture Type	_____
RTR	Round Flange
Mounting Hardware	_____
09	9" to 15.25"
14	14" to 24"
36	28" to 36"
Supply Voltage	_____
120	120V
277	277V
Protocol	_____
S	Non-Dimmable (120 - 277V)
P	TRIAC/Phase (120V ONLY)
A	Analog (0-10V) (120 -277V)
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

NIC Housing Type - No contact with insulation and at least 3 inches spacing from insulation in all directions



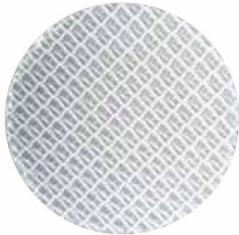
Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

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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 may vary depending on lamp type used

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

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Light efficiency:

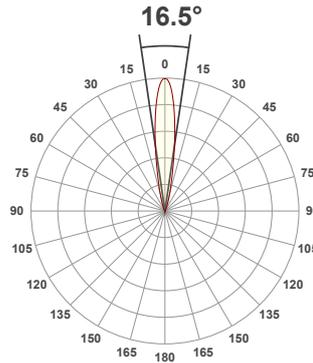
70 Lumen/Watt

Light quality:

CRI: 91.6

Color temperature:

3000 K



Product name:

**Plus3.5 Edge Fixed, 3000K 17°
400mA + Lucent Housing 2"**

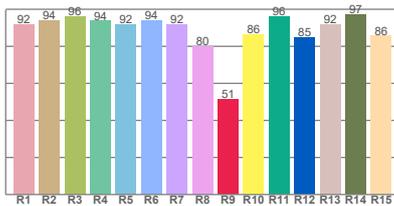
Item number:

**ALP090+113-LED-930-17-400mA
+ LH-LP-2.00**

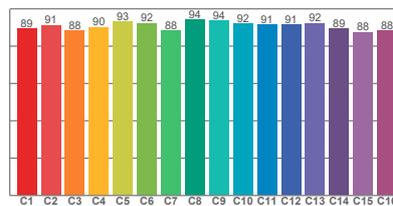
**Delivered information for above
fixture and LED combination.**

Output: 1143 Lumen Peak intensity: 9707 cd Power consumption: 16.3

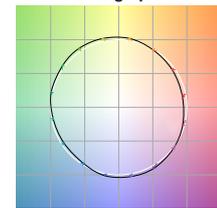
CRI R values



TM30 C Values

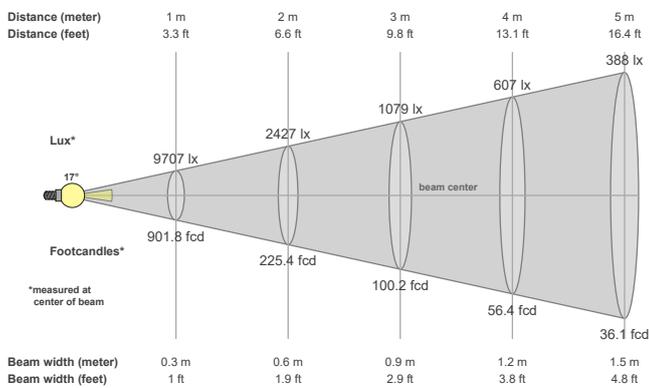


Color vector graphics



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	51.3	91.0	100.9	90.2	0.437	0.404	0.251	0.348	0.0020

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
16.5°	33.9°	50°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
9707 cd	99.7%	99.3%

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
9707lx	2427lx	1079lx	607lx	388lx	270lx	198lx	152lx	120lx	97lx	80lx	67lx	57lx	50lx	43lx	38lx	34lx	30lx	27lx	24lx
901.8fcd	225.4fcd	100.2fcd	56.4fcd	36.1fcd	25fcd	18.4fcd	14.1fcd	11.1fcd	9fcd	7.5fcd	6.3fcd	5.3fcd	4.6fcd	4fcd	3.5fcd	3.1fcd	2.8fcd	2.5fcd	2.3fcd

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 = 0.94
4000K = 1.07

Light efficiency:

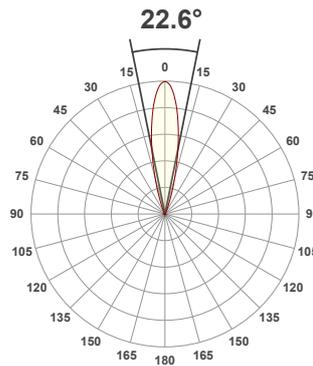
68 Lumen/Watt

Light quality:

CRI: 91.4

Color temperature:

3000 K



Product name:

**Plus3.5 Edge Fixed, 3000K 24°
400mA + Lucent Housing 2"**

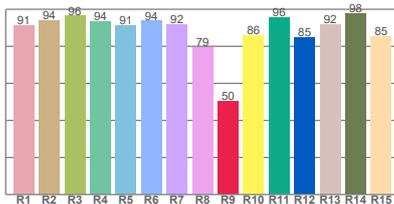
Item number:

**ALP090+113-LED-930-24-400mA
+ LH-LP-2.00**

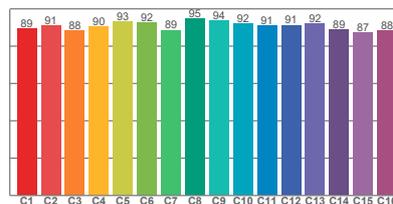
**Delivered information for above
fixture and LED combination.**

Output: 1113 Lumen Peak intensity: 6405 cd Power consumption: 16.3

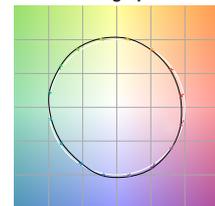
CRI R values



TM30 C Values

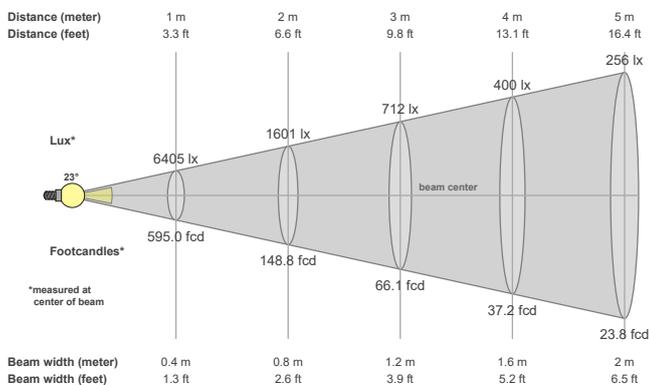


Color vector graphics



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	91.4	50.1	91.0	100.7	90.1	0.437	0.404	0.251	0.348	0.0020

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.6°	39.8°	52.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6405 cd	99.7%	99.1%

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
6405lx	1601lx	712lx	400lx	256lx	178lx	131lx	100lx	79lx	64lx	53lx	44lx	38lx	33lx	28lx	25lx	22lx	20lx	18lx	16lx
595fcd	148.8fcd	66.1fcd	37.2fcd	23.8fcd	16.5fcd	12.1fcd	9.3fcd	7.3fcd	6fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.8fcd	1.6fcd	1.5fcd

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 = 0.94
4000K = 1.07

Light efficiency:

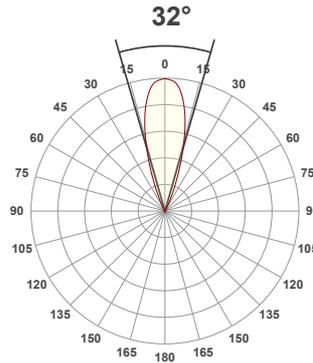
68 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

3000 K



Product name:

**Plus3.5 Edge Fixed, 3000K 35°
400mA + Lucent Housing 2"**

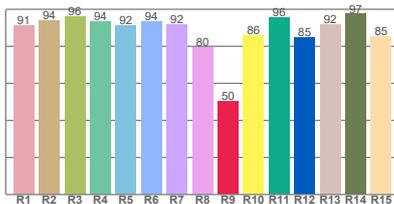
Item number:

**ALP090+113-LED-930-35-400mA
+ LH-LP-2.00**

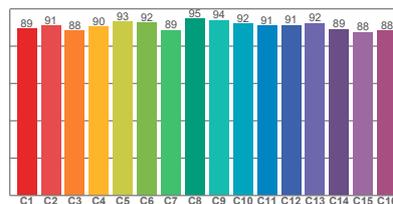
**Delivered information for above
fixture and LED combination.**

Output: 1104 Lumen Peak intensity: 3783 cd Power consumption: 16.3

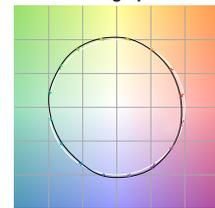
CRI R values



TM30 C Values

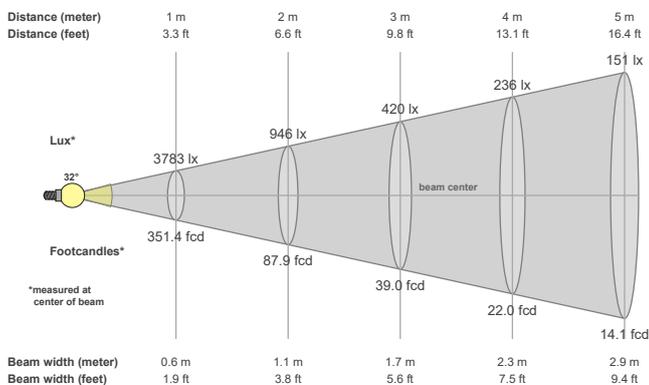


Color vector graphics



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	50.4	91.0	100.8	90.2	0.437	0.404	0.251	0.348	0.0020

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
32°	49.1°	59.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
3783 cd	99.8%	99.3%

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
3783lx	946lx	420lx	236lx	151lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
351.4fcd	87.9fcd	39fcd	22fcd	14.1fcd	9.8fcd	7.2fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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 = 0.94
4000K = 1.07

Light efficiency:

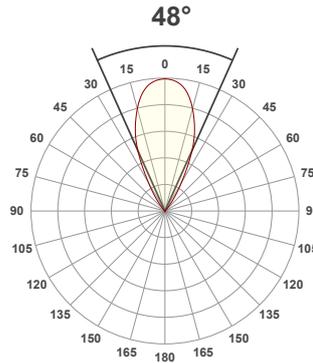
61 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

3000 K



Product name:

**Plus3.5 Edge Fixed, 3000K 55°
400mA + Lucent Housing 2"**

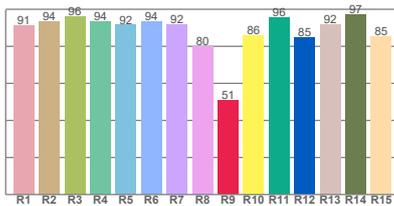
Item number:

**ALP090+113-LED-930-55-400mA
+ LH-LP-2.00**

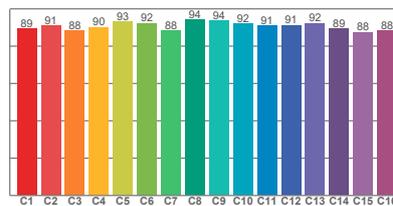
**Delivered information for above
fixture and LED combination.**

Output: 996 Lumen Peak intensity: 1638 cd Power consumption: 16.3

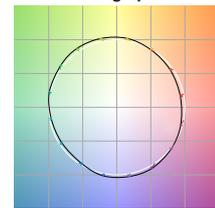
CRI R values



TM30 C Values

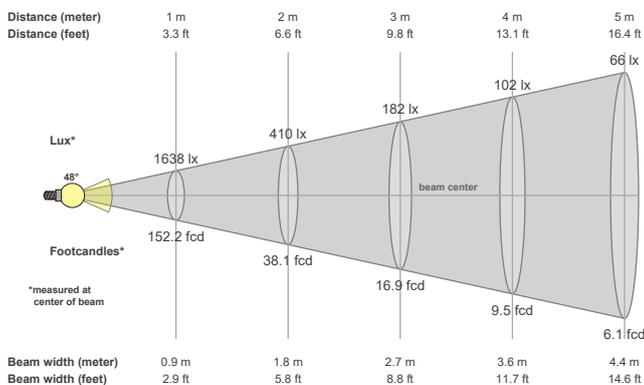


Color vector graphics



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	50.9	90.9	100.8	90.2	0.437	0.404	0.251	0.348	0.0021

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
48°	71.7°	83.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1638 cd	99.5%	98.7%

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
1638lx	410lx	182lx	102lx	66lx	46lx	33lx	26lx	20lx	16lx	14lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	5lx	4lx
152.2fcd	38.1fcd	16.9fcd	9.5fcd	6.1fcd	4.2fcd	3.1fcd	2.4fcd	1.9fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

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 = 0.94
4000K = 1.07