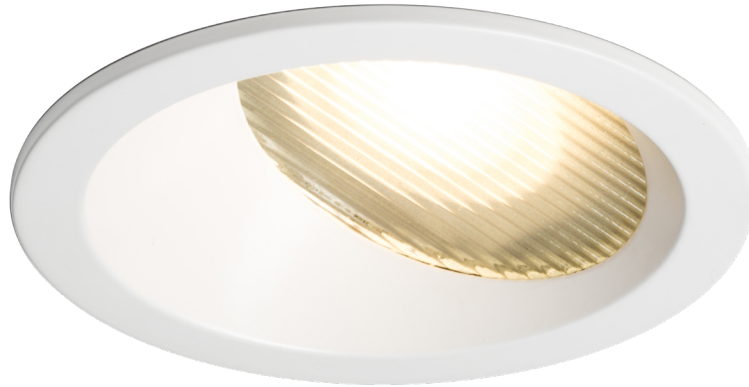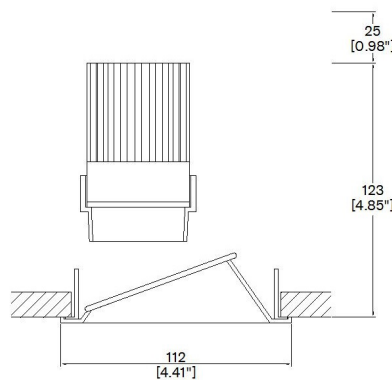# ProSpex Plus Round Wallwash Trim

112mm (4.41") overall trim diameter. 0° - 30° vertical adjustment option as standard. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^

090+LED-TR-WW
Cut-out 102mm Ø

LED Source	LED51TW	LED51TW
CCT range 5000K-2000K	@ 3000K	@ 3000K
Drive Current (max per channel)	700mA	700mA
Power inc Driver Max	15.1W	15.1W
Beam Angle	35°	35°
Angled at	0°	20°
Delivered Lumens	380	408
Delivered Intensisty cd	387	449
Efficacy lm/w	25	27
Forward Volt (max per channel)	18.4V	18.4V
CRI	≥95 CRI	≥95 CRI

Project Ref:_____   Location Ref:_____

Fixture Order Code: | 090+LED-TR-WW | – | | – | | – | |

Fixture
090+LED-TR-WW   Plus Round Wallwash Trim with LED51

Finish
WH   White
BK   Black
RAL   Custom RAL Colour*

IP Rating
44   IP44

Emergency
E   Maintained 3hr Emergency
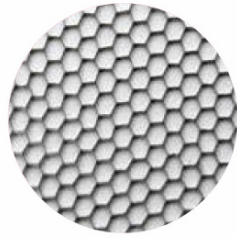ED   Maintained 3hr DALI Self Test
ES   Maintained 3hr Self Test

LED Order Code: | LED51TW | – | 5020 | – | 35 | – | |

LED
LED51TW   LED50 ONE Tuneable White

CCT
5020   5000K - 2000K

Beam
35   35°

Protocol
D6   DALI Type 6**
D8   DALI Type 8**
B   Bluetooth***

Honeycomb Louvre

Warm Tone

Accessories Order Code:

Louvre/Lens
LL45　　Honeycomb Louvre
LLCC　　Warm Tone Lens
LLUV　　UV Lens

………

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.

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

***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 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 luminaire installation instructions for further details.Data correct at time of publishing

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 instllation 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.
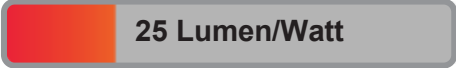
This specification sheet supersededs all previous versions.

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.

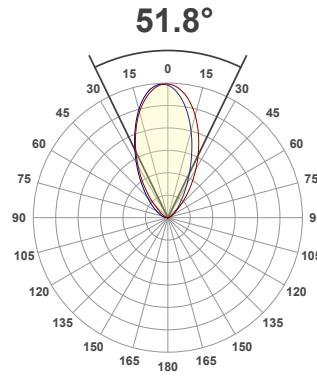Please notify Lucent Lighting Ltd of any inaccuracies immediately. E&OE

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Light efficiency:

| 25 Lumen/Watt |

Light quality:

| CRI: 92.1 |

Color temperature:

| 3000 K |

51.8°

Product name:
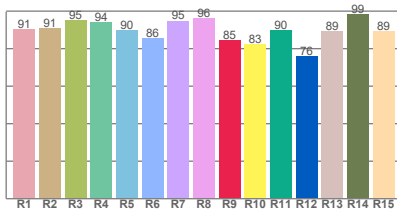**090+LED-WW-0 Dgr Tilt - LED51TW-5020-35 @ 3000K**

Item number:
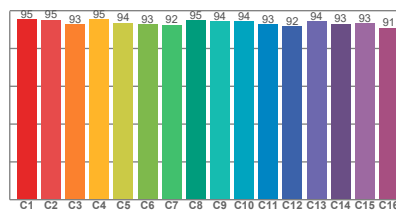**Plus Round Wallwash - LED51TW-5020-35 @ 3000K**

Delivered information for above fixture and LED combination.

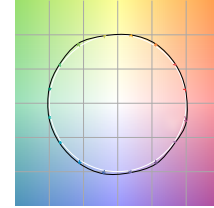**Output: 380 Lumen   Peak intensity: 387 cd   Power consumption: 15.1**

CRI R values
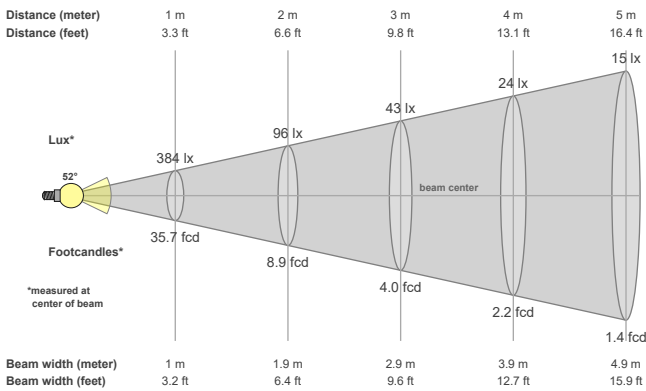

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
	91	91	95	94	90	86	95	96	85	83	90	76	89	99	89

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	92.1	84.7	93.8	105.7	93.6	0.437	0.404	0.255	0.335	-0.0132

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*

384 lx — 96 lx — 43 lx — 24 lx — 15 lx

52°

beam center

35.7 fcd — 8.9 fcd — 4.0 fcd — 2.2 fcd — 1.4 fcd

Footcandles*

*measured at center of beam

Beam width (meter)	1 m	1.9 m	2.9 m	3.9 m	4.9 m
Beam width (feet)	3.2 ft	6.4 ft	9.6 ft	12.7 ft	15.9 ft

Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
51.8°	102.1°	137.5°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
387 cd	93.9%	81.6%

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
384lx	96lx	43lx	24lx	15lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
35.7fcd	8.9fcd	4fcd	2.2fcd	1.4fcd	1fcd	0.7fcd	0.6fcd	0.4fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

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
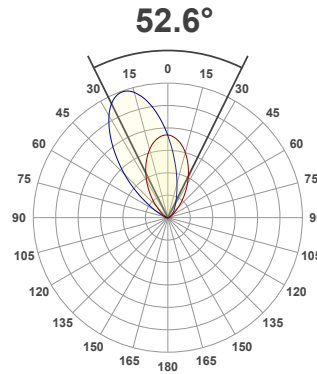
4000K = 1.113   5000K = 1.087

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Light efficiency:

| 27 Lumen/Watt |

Light quality:

| CRI: 92.1 |

Color temperature:

| 3000 K |

52.6°

Product name:
**090+LED-WW-20 Dgr Tilt -
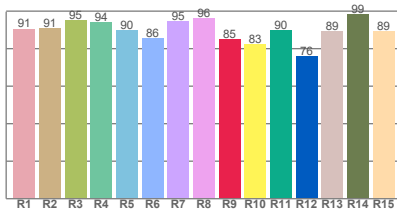LED51TW-5020-35 @ 3000K**

Item number:
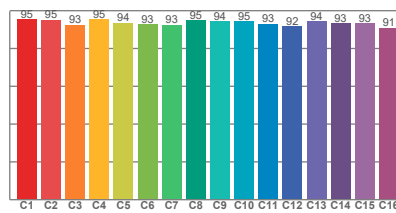**Plus Round Wallwash -
LED51TW-5020-35 @ 3000K**

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

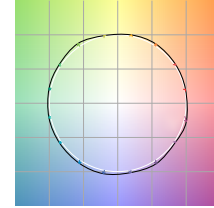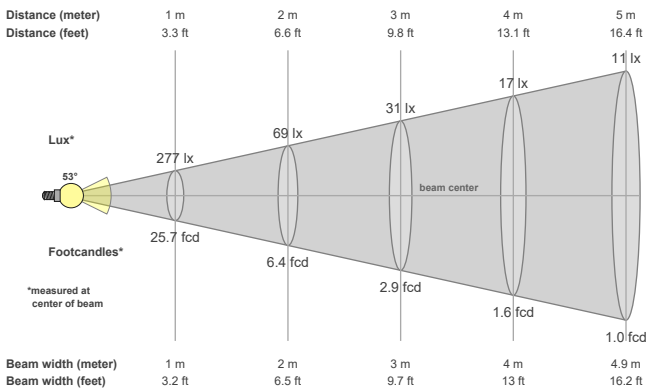**Output: 408 Lumen   Peak intensity: 449 cd   Power consumption: 15.1**

CRI R values

| | 91 | 91 | 95 | 94 | 90 | 86 | 95 | 96 | 85 | 83 | 90 | 76 | 89 | 99 | 89 |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

TM30 C Values

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

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	92.1	84.9	93.9	105.8	93.6	0.437	0.404	0.255	0.335	-0.0132

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 |

11 lx
17 lx
31 lx
69 lx
277 lx

Lux*

53°

beam center

25.7 fcd
6.4 fcd
2.9 fcd
1.6 fcd
1.0 fcd

Footcandles*

*measured at
center of beam

| Beam width (meter) | 1 m | 2 m | 3 m | 4 m | 4.9 m |
| Beam width (feet) | 3.2 ft | 6.5 ft | 9.7 ft | 13 ft | 16.2 ft |

Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
52.6°	100.1°	133.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
449 cd	94.9%	79.0%

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
277lx	69lx	31lx	17lx	11lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
25.7fcd	6.4fcd	2.9fcd	1.6fcd	1fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	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