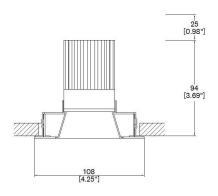
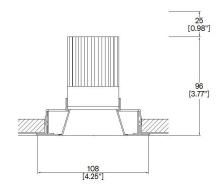
ProSpex Duo Fixed



108mm (4.25") overall diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^







31600-LED + 3000-PCZ

LED Source	LED51/2	LED51/2	LED51/2
CCT	3000K	3000K	3000K
Drive Current	350mA	350mA	350mA
Power inc Driver	13.8W	13.8W	13.8W
Beam Angle	12°	24°	38°
Delivered Lumens	832	895	1025
Delivered Intensisty cd	10738	4392	2961
Efficacy Im/w	60	65	74
Forward Volt	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI



Project Ref:_	Location Ref:
Fixture Orc	ler Code: 31600-LED –
Fixture -	Duo Fixed with LED51
Finish – WH BK RAL	White Black Custom RAL Colour*
IP Rating -	IP44
Emergency – E ED ES	Maintained 3hr Emergency Maintained 3hr DALI Self Test Maintained 3hr Self Test
Installation Installation 3000-PBZ 3000-PCZ	Order Code: Trim kit for trimmed appearance Plaster-kit for seamless flush appearance
LED Order	Code: LED51/2
LED51/2	LED50 ONE GEN2
CCT 927 930 940	90 CRI 2700K 90 CRI 3000K 90 CRI 4000K
Beam 12 24 38	12° 24° 38°
Protocol S A P D B	Non-Dim Analogue (0-10v) Phase DALI Bluetooth**



Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

Accessories Order Code:

Louvre/Lens

LL45 Honeycomb Louvre LLCC Warm Tone Lens LLUV UV Lens LLDF Diffusing Lens LLFR Frosted Lens

LLLS Linear Spread Lens LLHS Heavy Spread 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.

- **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 instillation 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



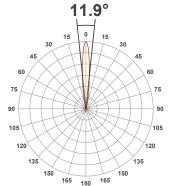
60 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K



Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 12°, 350mA

Item number:

31600_31603 -

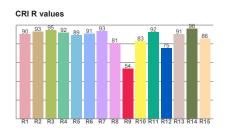
LED51/2-30-12-350mA

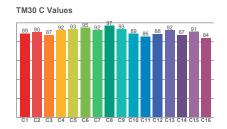
Delivered information for above fixture and LED combination.

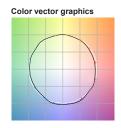
Output: 832 Lumen

Peak intensity: 10738 cd

Power consumption: 13.8

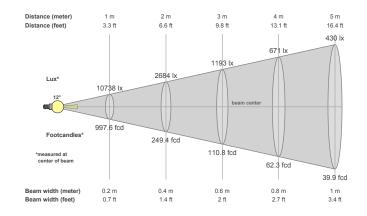






Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	V	Δuv
3000 K	90.6	53.6	90.2	98.9	89.9	0.437	0.404	0.250	0.350	0.0028

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.9°	25.4°	39.6°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10738 cd	98.5%	97.1%

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
10738lx	2684lx	1193lx	671lx	430lx	298lx	219lx	168lx	133lx	107lx	89lx	75lx	64lx	55lx	48lx	42lx	37lx	33lx	30lx	27lx
997.6fc	249.4fc	110.8fc	62.3fcd	39.9fcd	27.7fcd	20.4fcd	15.6fcd	12.3fcd	10fcd	8.2fcd	6.9fcd	5.9fcd	5.1fcd	4.4fcd	3.9fcd	3.5fcd	3.1fcd	2.8fcd	2.5fcd
d	a	a																	

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:



65 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K

Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 24°, 350mA

Item number:

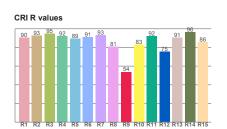
31600_31603 -

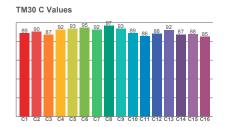
LED51/2-30-24-350mA

Delivered information for above fixture and LED combination.

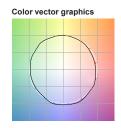
Output: 895 Lumen

Peak intensity: 4392 cd



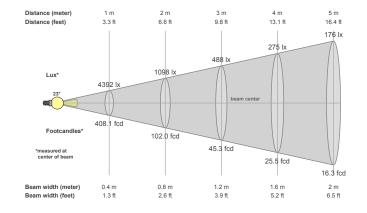


Power consumption: 13.8



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
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	٧	Δuv
3000 K	90.6	53.8	90.2	99.1	89.9	0.437	0.404	0.250	0.350	0.0027

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.5°	42.6°	65.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone		
4392 cd	98.7%	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
4392lx	1098lx	488lx	275lx	176lx	122lx	90lx	69lx	54lx	44lx	36lx	31lx	26lx	22lx	20lx	17lx	15lx	14lx	12lx	11lx
408.1fc d	102fcd	45.3fcd	25.5fcd	16.3fcd	11.3fcd	8.3fcd	6.4fcd	5fcd	4.1fcd	3.4fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd

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:

Light efficiency:

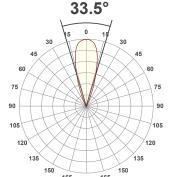
74 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K



Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 38°, 350mA

Item number:

31600_31603 -

LED51/2-30-38-350mA

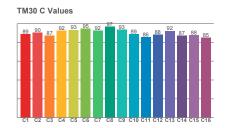
Delivered information for above fixture and LED combination.

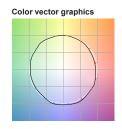
Output: 1025 Lumen

Peak intensity: 2961 cd



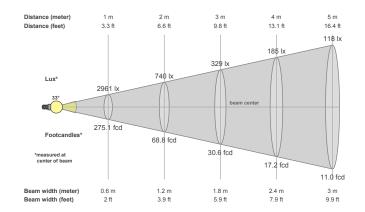






Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	٧	Δuv
3000 K	90.6	53.6	90.1	99.1	89.8	0.437	0.404	0.250	0.350	0.0026

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
33.5°	51.2°	67.7°

Beam intensities

200					
Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone			
2961 cd	96.0%	95.0%			

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
2961lx	740lx	329lx	185lx	118lx	82lx	60lx	46lx	37lx	30lx	24lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	7lx
275.1fc d	68.8fcd	30.6fcd	17.2fcd	11fcd	7.6fcd	5.6fcd	4.3fcd	3.4fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.8fcd	0.8fcd	0.7fcd

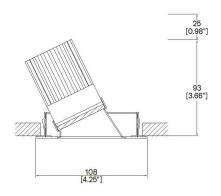
The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

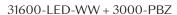
For information regarding other colour temperatures please use the following factors for lumen output and candelas:

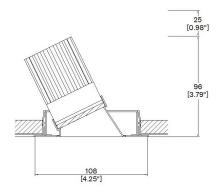
ProSpex Duo Wallwash



108mm (4.25") overall diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^







31600-LED-WW + 3000-PCZ

LED Source	LED51/2
CCT	3000K
Drive Current	350mA
Power inc Driver	13.8W
Beam Angle	38°
Delivered Lumens	632
Delivered Intensisty cd	948
Efficacy Im/w	46
Forward Volt	36V
CRI	≥90 CRI



Project Ref:_	Location Ref:
Fixture Ord	ler Code: 31600-LED-WW –
Fixture – 31600-LED-WW	Duo Wallwash with LED51
Finish – WH BK RAL	White Black Custom RAL Colour*
IP Rating –	IP44
Emergency – E ED ES	Maintained 3hr Emergency Maintained 3hr DALI Self Test Maintained 3hr Self Test
Installation Installation 3000-PBZ 3000-PCZ	Order Code: Trim kit for trimmed appearance Plaster-kit for seamless flush appearance
LED Order	Code: LED51/2 - 38 -
LED51/2	LED50 ONE GEN2
CCT - 927 930 940	90 CRI 2700K 90 CRI 3000K 90 CRI 4000K
Beam -	38°
Protocol S A P D B	Non-Dim Analogue (0-10v) Phase DALI Bluetooth**





Warm Tone

Acces	ssories Order Code:		
LL45	e/Lens Honeycomb Louvre 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.

- **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 instillation 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



46 Lumen/Watt

Light quality:

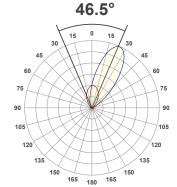
CRI: 90.1

Color temperature:

Output: 632 Lumen

3000 K

Peak intensity: 948 cd



Power consumption: 13.8

Product name:

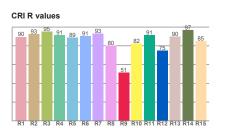
Duo Wallwash - LED50 ONE GEN2, 3000K, 38°, 350mA

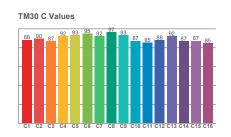
Item number:

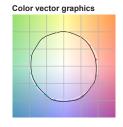
31600-WW -

LED51/2-30-38-350mA

Delivered information for above fixture and LED combination.

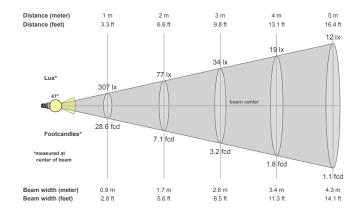






Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	٧	Δuv
3000 K	90.1	51.3	89.9	98.7	89.6	0.437	0.404	0.249	0.350	0.0030

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%				
46.5°	87.1°	112.2°				

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
948 cd	97.4%	81.4%

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
307lx	771x	34lx	19lx	12lx	9lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
28.6fcd	7.1fcd	3.2fcd	1.8fcd	1.1fcd	0.8fcd	0.6fcd	0.4fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd						

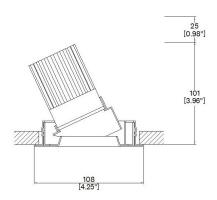
The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

For information regarding other colour temperatures please use the following factors for lumen output and candelas:

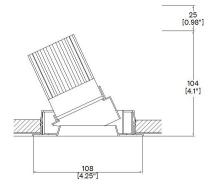
ProSpex Duo Accent



108mm (4.25") overall diameter. 360° rotation. Up to 35° tilt. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^







31603-LED + 3000-PCZ

LED Source	LED51/2	LED51/2	LED51/2
CCT	3000K	3000K	3000K
Drive Current	350mA	350mA	350mA
Power inc Driver	13.8W	13.8W	13.8W
Beam Angle	12°	24°	38°
Delivered Lumens	832	895	1025
Delivered Intensisty cd	10738	4392	2961
Efficacy Im/w	60	65	74
Forward Volt	33V	33V	33V
CRI	≥90 CRI	≥90 CRI	≥90 CRI



Project Ref:_	Location Ref:
Fixture Orc	ler Code: 31603-LED –
Fixture 31603-LED Finish WH BK RAL IP Rating 44 Emergency - E ED ES	Duo Accent with LED51 White Black Custom RAL Colour* IP44 Maintained 3hr Emergency Maintained 3hr DALI Self Test Maintained 3hr Self Test
Installation Installation 3000-PBZ 3000-PCZ	Order Code: Trim kit for trimmed appearance Plaster-kit for seamless flush appearance
LED Order LED	Code: LED51/2
P D B	Phase DALI Bluetooth**



Honeycomb Louvre



Diffusing Lens



Frosted Lens



Heavy Spread Lens



Linear Spread Lens



Warm Tone

Accessories Order Code:

Louvre/Lens

LL45 Honeycomb Louvre LLCC Warm Tone Lens LLUV UV Lens LLDF Diffusing Lens LLFR Frosted Lens

LLLS Linear Spread Lens LLHS Heavy Spread 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.

- **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 instillation 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



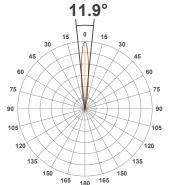
60 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K



Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 12°, 350mA

Item number:

31600_31603 -

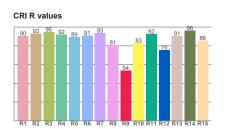
LED51/2-30-12-350mA

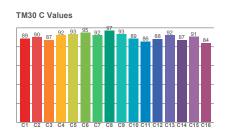
Delivered information for above fixture and LED combination.

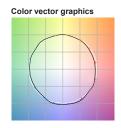
Output: 832 Lumen

Peak intensity: 10738 cd

10738 cd Power consumption: 13.8

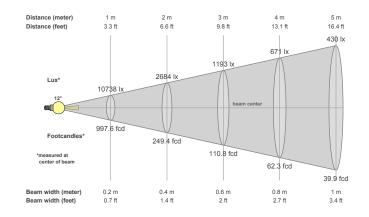






Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color gamut Color quality scale		Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	V	Δuv
3000 K	90.6	53.6	90.2	98.9	89.9	0.437	0.404	0.250	0.350	0.0028

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.9°	25.4°	39.6°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10738 cd	98.5%	97.1%

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
10738lx	2684lx	1193lx	671lx	430lx	298lx	219lx	168lx	133lx	107lx	89lx	75lx	64lx	55lx	48lx	42lx	37lx	33lx	30lx	27lx
997.6fc d	249.4fc d	110.8fc d	62.3fcd	39.9fcd	27.7fcd	20.4fcd	15.6fcd	12.3fcd	10fcd	8.2fcd	6.9fcd	5.9fcd	5.1fcd	4.4fcd	3.9fcd	3.5fcd	3.1fcd	2.8fcd	2.5fcd

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:



65 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K

Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 24°, 350mA

Item number:

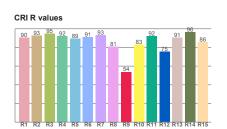
31600_31603 -

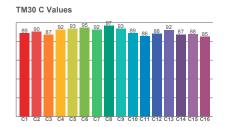
LED51/2-30-24-350mA

Delivered information for above fixture and LED combination.

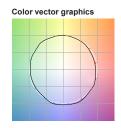
Output: 895 Lumen

Peak intensity: 4392 cd



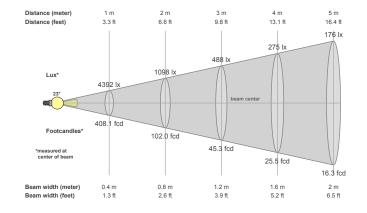


Power consumption: 13.8



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
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	cqs	х	у	u	٧	Δuv
3000 K	90.6	53.8	90.2	99.1	89.9	0.437	0.404	0.250	0.350	0.0027

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
22.5°	42.6°	65.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4392 cd	98.7%	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
4392lx	1098lx	488lx	275lx	176lx	122lx	90lx	69lx	54lx	44lx	36lx	31lx	26lx	22lx	20lx	17lx	15lx	14lx	12lx	11lx
408.1fc d	102fcd	45.3fcd	25.5fcd	16.3fcd	11.3fcd	8.3fcd	6.4fcd	5fcd	4.1fcd	3.4fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd

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:

Light efficiency:

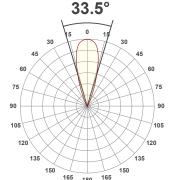
74 Lumen/Watt

Light quality:

CRI: 90.6

Color temperature:

3000 K



Product name:

Duo Fixed_Accent - LED50 ONE GEN2, 3000K, 38°, 350mA

Item number:

31600_31603 -

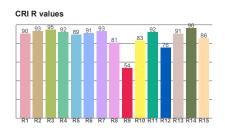
LED51/2-30-38-350mA

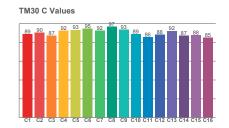
Delivered information for above fixture and LED combination.

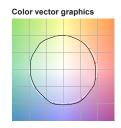
Output: 1025 Lumen

Peak intensity: 2961 cd

Power consumption: 13.8

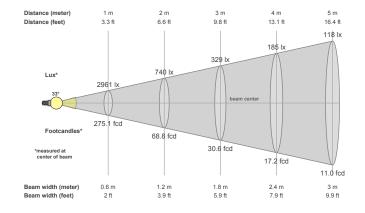






Color temperature	Color rendering index	Red component	Color fidelity	TM30 Rg	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
ССТ	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	х	у	u	٧	Δuv
3000 K	90.6	53.6	90.1	99.1	89.8	0.437	0.404	0.250	0.350	0.0026

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
33.5°	51.2°	67.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2961 cd	96.0%	95.0%

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
2961lx	740lx	329lx	185lx	118lx	82lx	60lx	46lx	37lx	30lx	24lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	7lx
275.1fc d	68.8fcd	30.6fcd	17.2fcd	11fcd	7.6fcd	5.6fcd	4.3fcd	3.4fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.8fcd	0.8fcd	0.7fcd

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: