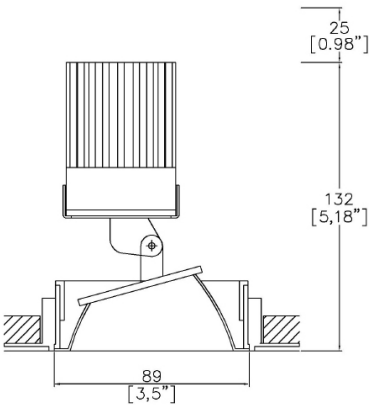


# ProSpex 100 Accent Trimless



89mm (3.50") overall diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Up to 35° tilt.  
Required depth height + 25mm^



103-LED-TL

LED Source	LED51TW	LED51TW
CCT range	@ 3000K	@ 3000K
Drive Current (max per channel)	700mA	700mA
Power inc Driver Max	15.1W	15.1W
Beam Angle	25°	35°
Delivered Lumens	562	658
Delivered Intensisty cd	1943	1246
Efficacy lm/w	37	44
Forward Volt (max per channel)	18.4V	18.4V
CRI	≥95 CRI	≥95 CRI
Information above is with Satin Silver Reflector, for Polished Silver Reflector please see ies files		

Project Ref: \_\_\_\_\_

Location Ref: \_\_\_\_\_

Fixture Order Code: 103-LED-TL - - -

Fixture  
103-LED-TL      Reflector100 Trimless Accent with LED51

Reflector Finish  
PS      Polished Silver  
SS      Satin Silver  
CG      Champagne Gold  
BK      Black  
WH      White

IP Rating  
54      IP54

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

LED Order Code: LED51TW - 5020 - -

LED  
LED51TW      LED50 ONE Tuneable White

CCT  
5020      5000K - 2000K

Beam  
25      25°  
35      35°

Protocol  
D6      DALI Type 6\*\*  
D8      DALI Type 8\*\*  
B      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.

\*\*DALI Type 6 requires two DALI addresses, one for CCT control the other for Intensity control. DALI Type 8 is a single DALI Type 8 address for CCT and Intensity 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 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

## Light efficiency:

**37 Lumen/Watt**

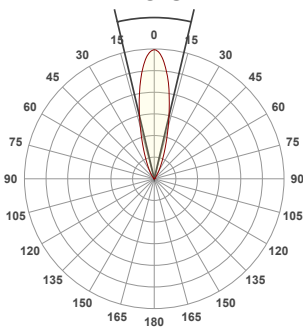
## Light quality:

**CRI: 91.4**

## Color temperature:

**3000 K**

**26.5°**



## Product name:

**103-LED-SS - LED51TW-5020-25  
@ 3000K-No Lens**

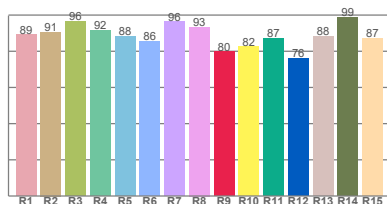
## Item number:

**ProSpex 100 Accent Satin Silver  
Reflector - LED51TW-5020-25 @  
3000K**

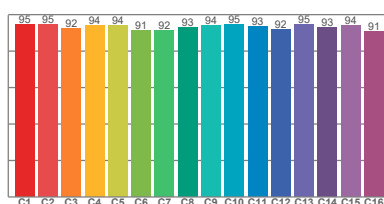
**Delivered information for above  
fixture and LED combination.**

**Output: 562 Lumen Peak intensity: 1943 cd Power consumption: 15.1**

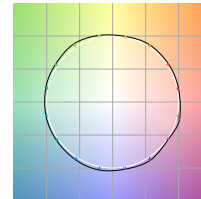
## CRI R values



## TM30 C Values

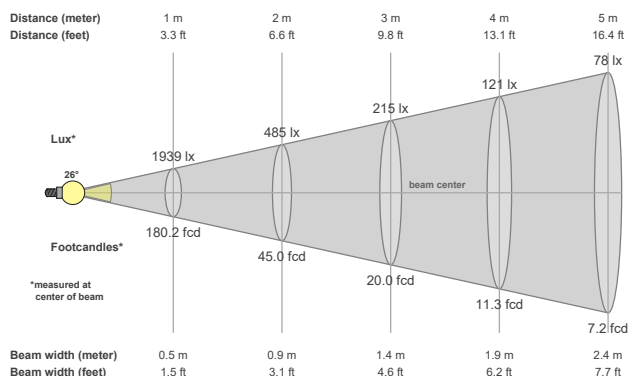


## Color vector graphics



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	91.4	79.7	93.5	106.8	93.5	0.437	0.404	0.257	0.336	-0.0130

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
26.5°	54.6°	75.4°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1943 cd	99.4%	98.2%

## 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
1939lx	485lx	215lx	121lx	78lx	54lx	40lx	30lx	24lx	19lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
180.2 fcd	45 fcd	20 fcd	11.3 fcd	7.2 fcd	5 fcd	3.7 fcd	2.8 fcd	2.2 fcd	1.8 fcd	1.5 fcd	1.3 fcd	1.1 fcd	0.9 fcd	0.8 fcd	0.7 fcd	0.6 fcd	0.6 fcd	0.5 fcd	0.5 fcd

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:

**44 Lumen/Watt**

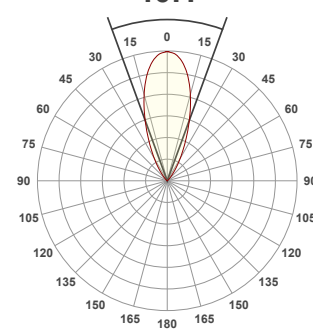
## Light quality:

**CRI: 91.5**

## Color temperature:

**3000 K**

**40.1°**



## Product name:

**103-LED-SS - LED51TW-5020-35  
@ 3000K-No Lens**

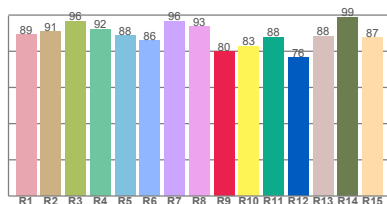
## Item number:

**ProSpex 100 Accent Satin Silver  
Reflector - LED51TW-5020-35 @  
3000K**

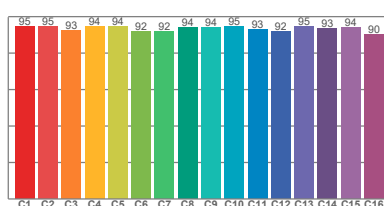
**Delivered information for above  
fixture and LED combination.**

**Output: 658 Lumen Peak intensity: 1246 cd Power consumption: 15.1**

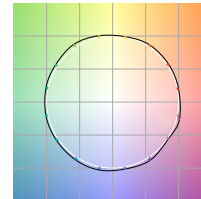
## CRI R values



## TM30 C Values

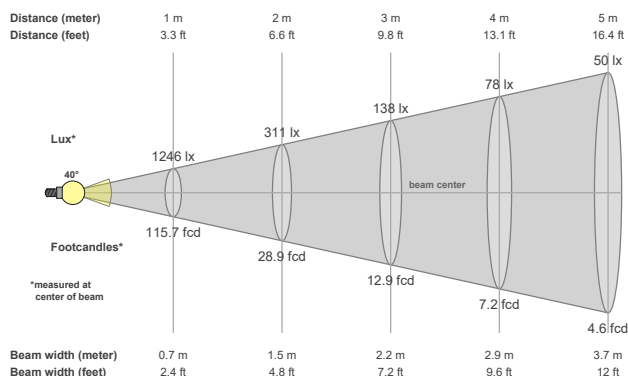


## Color vector graphics



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	79.7	93.6	106.5	93.7	0.437	0.404	0.256	0.336	-0.0127

## Beam details



## Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
40.1°	71.6°	88.8°

## Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1246 cd	99.0%	97.3%

## 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
1246lx	311lx	138lx	78lx	50lx	35lx	25lx	19lx	15lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	4lx	4lx	3lx	3lx
115.7fcd	28.9fcd	12.9fcd	7.2fcd	4.6fcd	3.2fcd	2.4fcd	1.8fcd	1.4fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	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