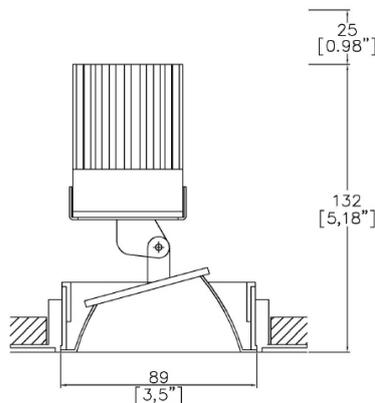


## ProSpex 100 Accent Trimless



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 Intensity 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:  -  -  -

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

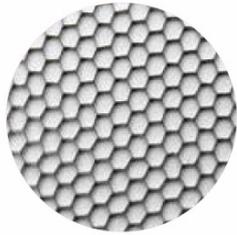
LED Order Code:  -  -  -

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 Intesity control. DALI Type 8 is a single DALI Type 8 address for CCT and Intesity 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 superseded 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

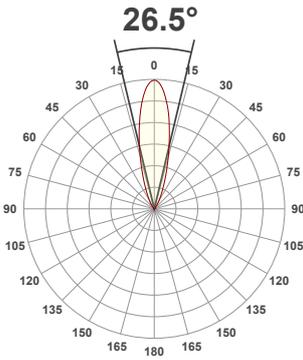
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

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

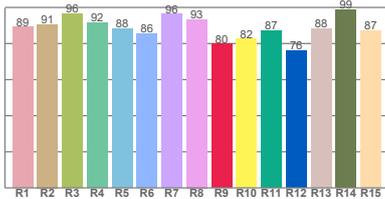
**Item number:**

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

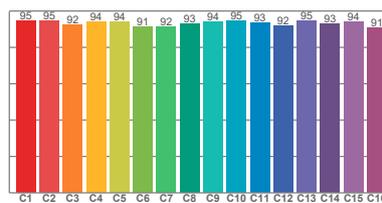
**Delivered information for above fixture and LED combination.**

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

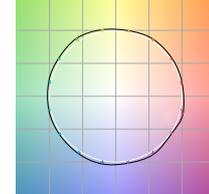
**CRI R values**



**TM30 C Values**

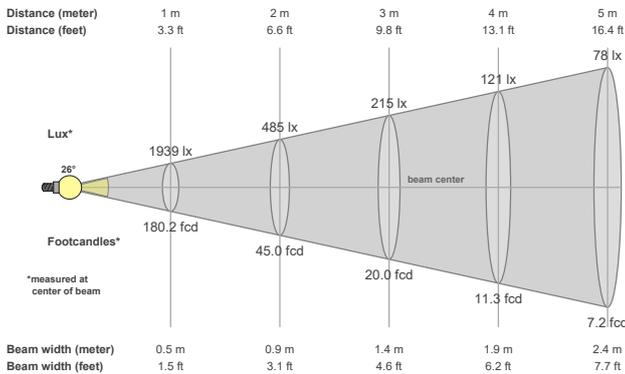


**Color vector graphics**



| 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    |
| 180.2fcd | 45fcd | 20fcd | 11.3fcd | 7.2fcd | 5fcd   | 3.7fcd | 2.8fcd | 2.2fcd | 1.8fcd | 1.5fcd | 1.3fcd | 1.1fcd | 0.9fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.6fcd | 0.5fcd | 0.5fcd |

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

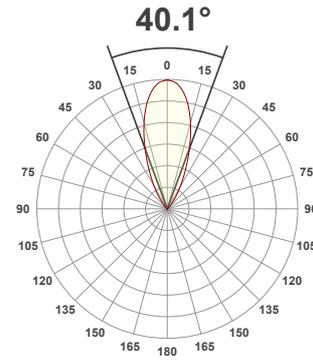
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

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

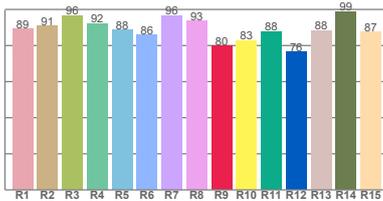
**Item number:**

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

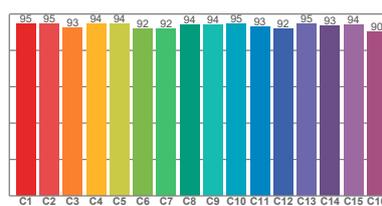
**Delivered information for above fixture and LED combination.**

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

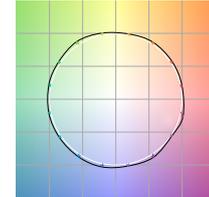
**CRI R values**



**TM30 C Values**

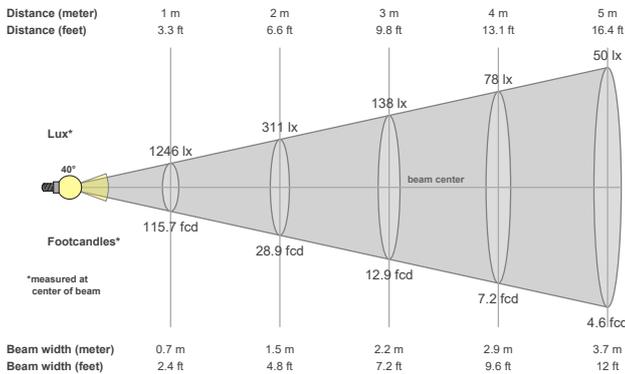


**Color vector graphics**



| 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