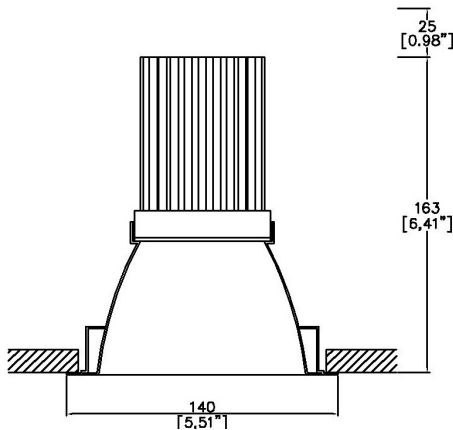


ProSpex 140 Fixed



140mm (5.51”) overall diameter. Available with standard trim kit. Family of matching products also available.
Required depth height + 25mm^



140-LED

LED Source	LED71TW	LED71TW	LED71TW
CCT range 5000K-2000K	@ 3000K	@ 3000K	@ 3000K
Drive Current (max per channel)	1000mA	1000mA	1000mA
Power inc Driver Max	27.5W	27.5W	27.5W
Beam Angle	19°	23°	42°
Delivered Lumens	1310	1263	1171
Delivered Intensisty cd	5401	4100	2455
Efficacy lm/w	48	46	45
Forward Volt (max per channel)	23.4V	23.4V	23.4V
CRI	≥95 CRI	≥95 CRI	≥95 CRI

Project Ref: _____ Location Ref: _____

Fixture Order Code: - - - -

Fixture	140-LED	Reflector	140 Fixed with LED71
Reflector Finish			
PS			Polished Silver
SS			Satin Silver
CG			Champagne Gold
BK			Black
WH			White
Trim 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: - - -

LED	LED71TW	LED70 ONE Tuneable White
CCT	5020	5000K - 2000K
Beam		
19		19°
23		23°
42		42°
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

- MD45 Honeycomb Louvre
- MDCC Warm Tone Lens
- MDUV UV Lens
- MDDF Diffusing Lens
- MDFR Frosted Lens
- MDLS Linear Spread Lens
- MDHS 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:

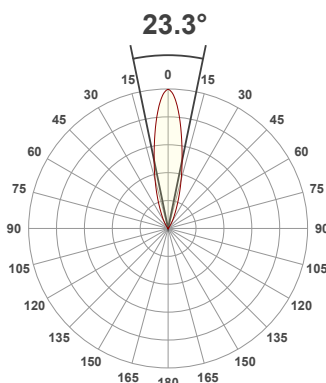
48 Lumen/Watt

Light quality:

CRI: 90.4

Color temperature:

3054 K



Product name:

140-LED-PS - LED71TW-5020-19 3000K

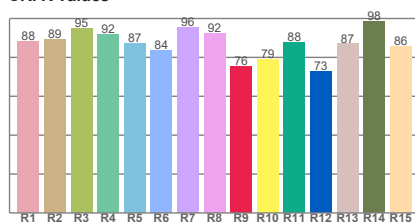
Item number:

ProSpex140 Fixed PS reflector - LED71TW-5020-19 @ 3000K

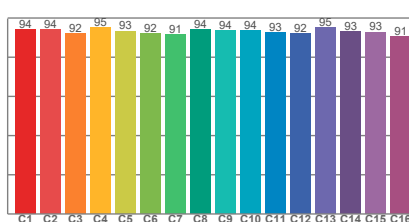
Delivered information for above fixture and LED combination.

Output: 1310 Lumen Peak intensity: 5401 cd Power consumption: 27.5

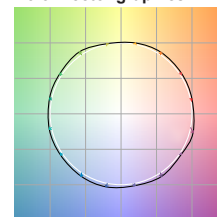
CRI R values



TM30 C Values

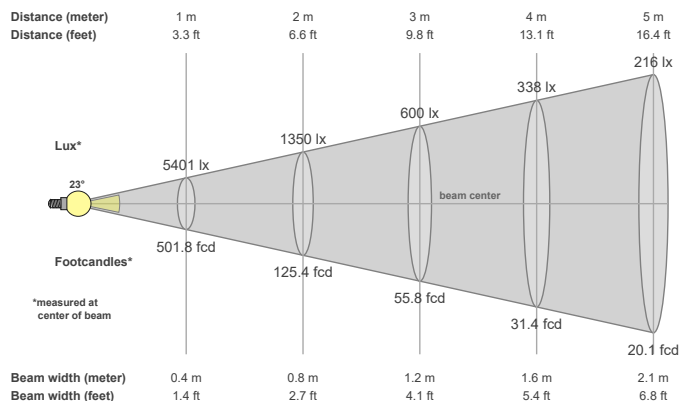


Color vector graphics



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
3054 K	90.4	75.5	93.4	106.7	93.7	0.414	0.361	0.254	0.333	-0.0150

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
23.3°	51.7°	69.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
5401 cd	99.7%	99.6%

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
5401lx	1350lx	600lx	338lx	216lx	150lx	110lx	84lx	67lx	54lx	45lx	38lx	32lx	28lx	24lx	21lx	19lx	17lx	15lx	14lx
501.8fcd	125.4fcd	55.8fcd	31.4fcd	20.1fcd	13.9fcd	10.2fcd	7.8fcd	6.2fcd	5fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.2fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.3fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17

Light efficiency:

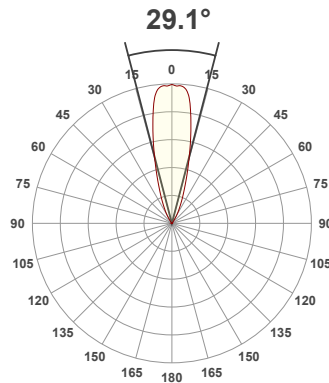
46 Lumen/Watt

Light quality:

CRI: 90.3

Color temperature:

3006 K



Product name:

140-LED-PS - LED71TW-5020-23 3000K

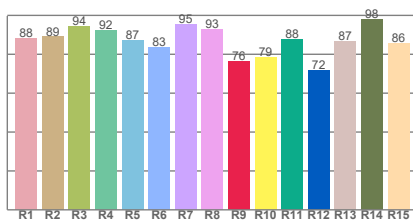
Item number:

ProSpex140 Fixed PS reflector - LED71TW-5020-23 @ 3000K

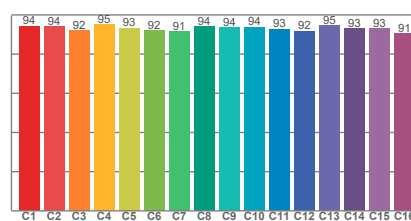
Delivered information for above fixture and LED combination.

Output: 1263 Lumen Peak intensity: 4100 cd Power consumption: 27.5

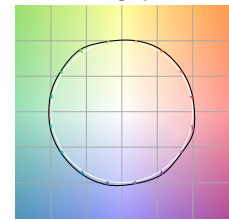
CRI R values



TM30 C Values

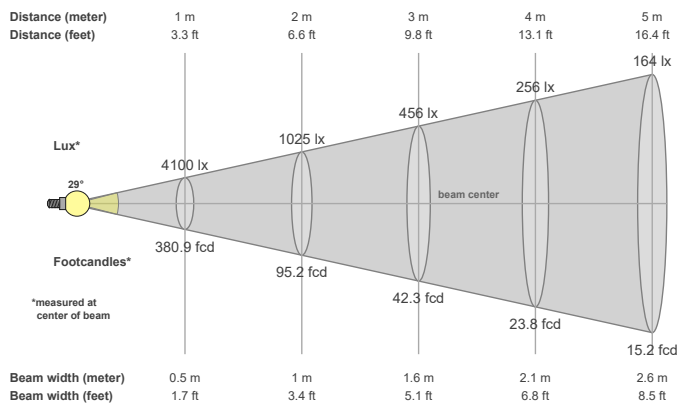


Color vector graphics



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
3006 K	90.3	76.5	93.3	106.8	93.6	0.416	0.362	0.256	0.334	-0.0150

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
29.1°	55.9°	69.9°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4100 cd	99.8%	99.7%

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
4100lx	1025lx	456lx	256lx	164lx	114lx	84lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
380.9fcd	95.2fcd	42.3fcd	23.8fcd	15.2fcd	10.6fcd	7.8fcd	6fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17

Light efficiency:

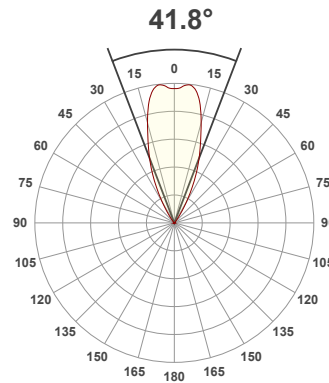
45 Lumen/Watt

Light quality:

CRI: 90.3

Color temperature:

3058 K



Product name:

140-LED-PS - LED71TW-5020-42 3000K

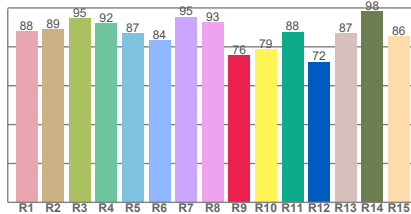
Item number:

ProSpex140 Fixed PS reflector - LED71TW-5020-42 @ 3000K

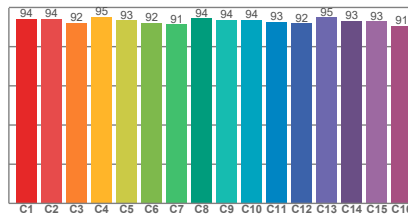
Delivered information for above fixture and LED combination.

Output: 1247 Lumen Peak intensity: 2455 cd Power consumption: 27.5

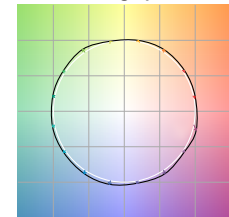
CRI R values



TM30 C Values

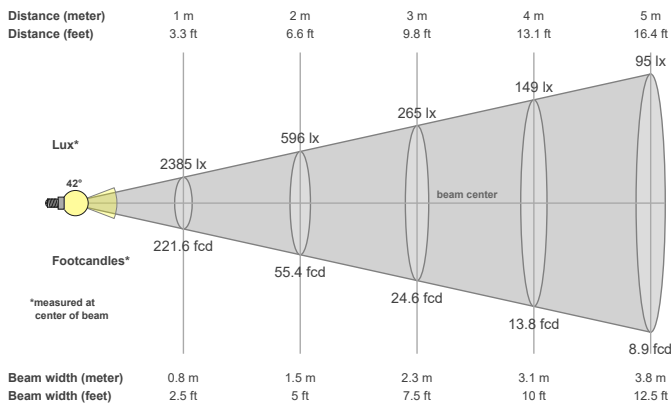


Color vector graphics



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
3058 K	90.3	75.8	93.3	106.6	93.6	0.413	0.360	0.254	0.333	-0.0152

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
41.8°	66°	78.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2455 cd	99.5%	99.4%

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
2385lx	596lx	265lx	149lx	95lx	66lx	49lx	37lx	29lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
221.6fcd	55.4fcd	24.6fcd	13.8fcd	8.9fcd	6.2fcd	4.5fcd	3.5fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

All the above information for fixtures with LED71TW-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 = 0.75

2700K = 0.93

3500K = 1.07

4000K = 1.11

5000K = 1.17