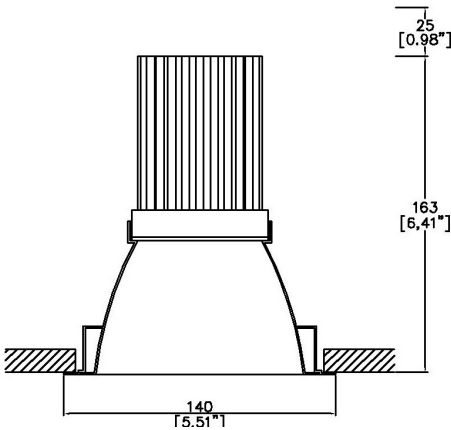


ProSpex 140 Fixed



140mm (5.51”) overall diameter. Available with standard trim kit or plaster-in kit for flush appearance. Family of matching products also available. Required depth height + 25mm^



140-LED

LED Source	LED71WD	LED71WD	LED71WD
CCT	3000K	3000K	3000K
Drive Current	1000mA	1000mA	1000mA
Power inc Driver	23W	23W	23W
Beam Angle	19°	23°	42°
Delivered Lumens	1495	1407	1414
Delivered Intensisty cd	6058	4620	2865
Efficacy lm/w	55	52	52
Forward Volt	23V	23V	23V
CRI	≥95 CRI	≥95 CRI	≥95 CRI

Test results at full output

Project Ref: _____ Location Ref: _____

Fixture Order Code:

140-LED

-

-

-

-

Fixture

140-LED

Reflector140 Fixed with LED71

Reflector Finish

PS
SS
CG
BK
WH

Polished Silver
Satin Silver
Champagne Gold
Black
White

Trim Finish

WH
BK
RAL

White
Black
Custom RAL Colour*

IP Rating

44

IP44

Emergency

E
ED
ES

Maintained 3hr Emergency
Maintained 3hr DALI Self Test
Maintained 3hr Self Test

LED Order Code:

LED71WD

-

-

-

LED

LED71WD

LED70 ONE Ambiance WarmDim

CCT

2720
3020

2700K - 2000K
3000K - 2000K

Beam

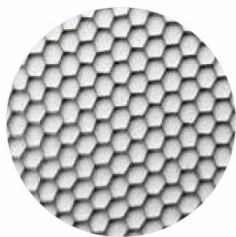
19
23
42

19°
23°
42°

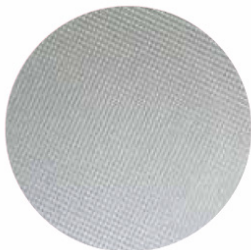
Protocol

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

- 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.

**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:

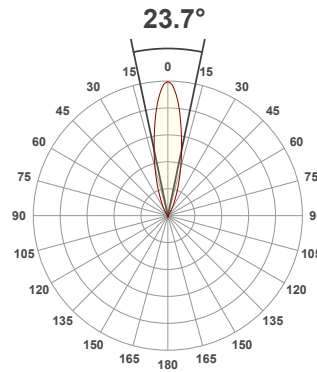
55 Lumen/Watt

Light quality:

CRI: 96.0

Color temperature:

2921 K



Product name:

140LED-PS - LED71WD-3020-19

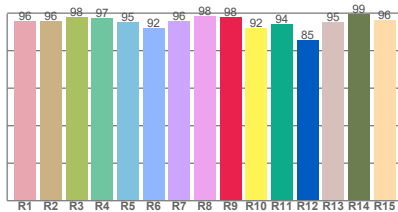
Item number:

ProSpex 140 Fixed PS reflector - LED71WD-3020-19 - 1000mA

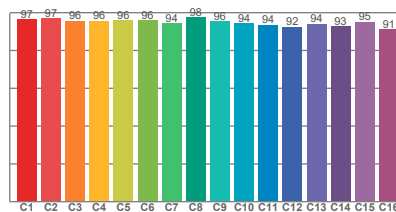
Delivered information for above fixture and LED combination.

Output: 1495 Lumen Peak intensity: 6058 cd Power consumption: 27.0

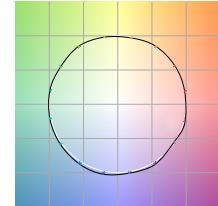
CRI R values



TM30 C Values

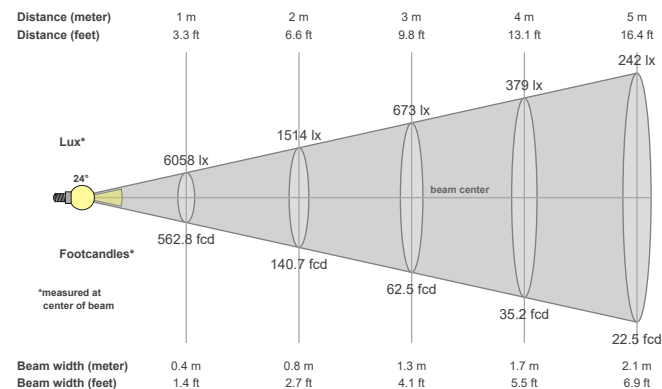


Color vector graphics



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
2921 K	96.0	98.0	95.1	102.5	95.1	0.434	0.389	0.256	0.343	-0.0059

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
23.7°	52.1°	69.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
6058 cd	99.6%	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
6058lx	1514lx	673lx	379lx	242lx	168lx	124lx	95lx	75lx	61lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
562.8fcd	140.7fcd	62.5fcd	35.2fcd	22.5fcd	15.6fcd	11.5fcd	8.8fcd	6.9fcd	5.6fcd	4.7fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd	1.4fcd

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:

2700K = 0.85

Light efficiency:

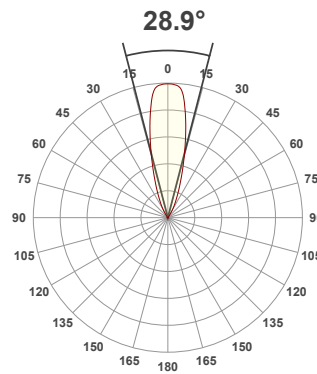
52 Lumen/Watt

Light quality:

CRI: 95.9

Color temperature:

2948 K



Product name:

140LED-PS - LED71WD-3020-23

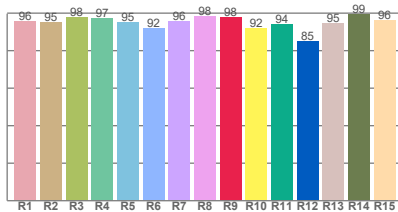
Item number:

ProSpex 140 Fixed PS reflector - LED71WD-3020-23 - 1000mA

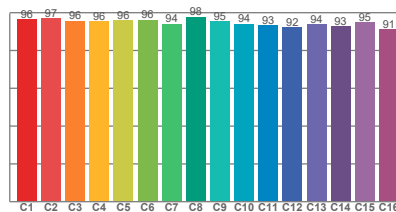
Delivered information for above fixture and LED combination.

Output: 1407 Lumen Peak intensity: 4620 cd Power consumption: 27.0

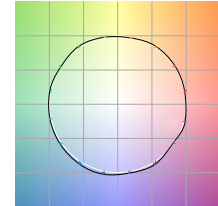
CRI R values



TM30 C Values

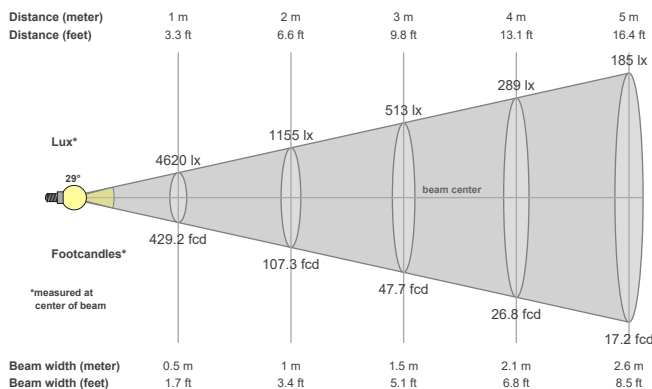


Color vector graphics



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
2948 K	95.9	97.9	95.0	102.5	95.1	0.432	0.387	0.255	0.343	-0.0061

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
28.9°	55.8°	69.4°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
4620 cd	99.7%	99.5%

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
4620lx	1155lx	513lx	289lx	185lx	128lx	94lx	72lx	57lx	46lx	38lx	32lx	27lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
429.2fcd	107.3fcd	47.7fcd	26.8fcd	17.2fcd	11.9fcd	8.8fcd	6.7fcd	5.3fcd	4.3fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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:

2700K = 0.85

Light efficiency:

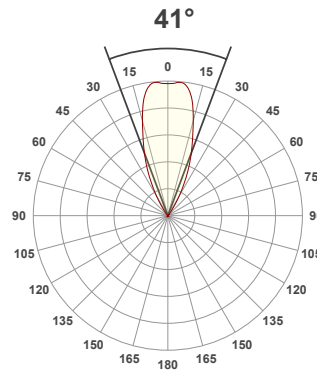
52 Lumen/Watt

Light quality:

CRI: 96.2

Color temperature:

2963 K



Product name:

140LED-PS - LED71WD-3020-42

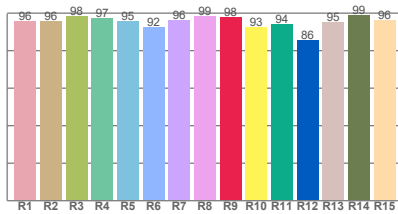
Item number:

ProSpex 140 Fixed PS reflector - LED71WD-3020-42 - 1000mA

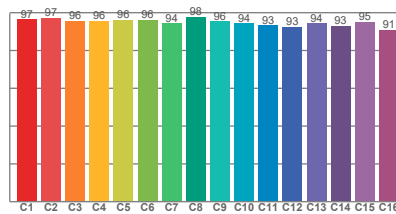
Delivered information for above fixture and LED combination.

Output: 1414 Lumen Peak intensity: 2865 cd Power consumption: 27.0

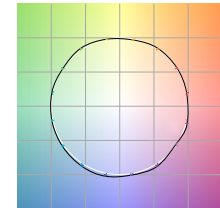
CRI R values



TM30 C Values

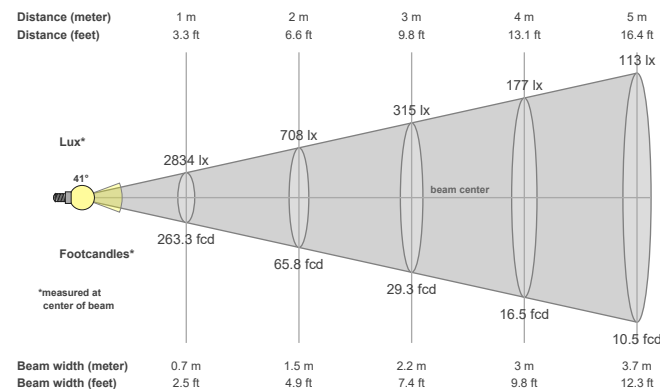


Color vector graphics



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
2963 K	96.2	97.9	95.1	102.5	95.2	0.431	0.388	0.254	0.343	-0.0058

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
41°	65.5°	77.5°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2865 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
2834lx	708lx	315lx	177lx	113lx	79lx	58lx	44lx	35lx	28lx	23lx	20lx	17lx	14lx	13lx	11lx	10lx	9lx	8lx	7lx
263.3fcd	65.8fcd	29.3fcd	16.5fcd	10.5fcd	7.3fcd	5.4fcd	4.1fcd	3.3fcd	2.6fcd	2.2fcd	1.8fcd	1.6fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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:

2700K = 0.85