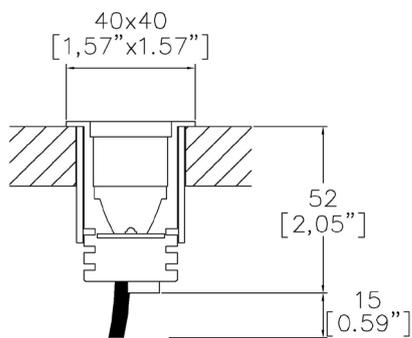


## ProSpex InGround40 Square



40 x 40mm (1.57" x 1.57") overall dimension. Fully recessed InGround uplight for interior and exterior installation. IP66 and IP67 rated fixtures. Family of matching products also available. Required depth depending on installation method<sup>^</sup>



IG40-SQ

LED Source	LED	LED	LED	LED	LED
CCT	3000K	3000K	3000K	3000K	3000K
Drive Current	700mA	700mA	700mA	700mA	700mA
Power inc Driver	2.6W	2.6W	2.6W	2.6W	2.6W
Beam Angle	9°	15°	25°	30°	18°x 33°
Delivered Lumens	55	102	130	117	112
Delivered Intensisty cd	1439	925	760	406	556
Efficacy lm/w	21	39	51	46	43
Forward Volt	3V	3V	3V	3V	3V
CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥90 CRI	≥90 CRI
Ingress Protection	IP66/67	IP66/67	IP66/67	IP66/67	IP66/67
Impact Protection	IK06	IK06	IK06	IK06	IK06

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

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

Fixture Order Code:  -  -  -  -

Fixture  
IG40-SQ

InGround40 Square

CCT

27 90 CRI 2700K  
30 90 CRI 3000K  
40 90 CRI 4000K

Finish

BSS Brushed 316 Stainless Steel  
PSS Polished 316 Stainless Steel  
BRZ Flamed Bronze  
ABZ Antique Bronze (Interior Only)  
ASV Hard Anodised Matt Silver (Interior Only)  
ABK Hard Anodised Matt Black

Beam

9 9° (Accessories cannot be used with 9°)  
15 15°  
25 25°  
30 30°  
18x33 18° x 33°

Protocol

S Non-Dim  
A Analogue (0-10v)  
P Phase  
D DALI  
B Bluetooth\*\*

Please refer to installation instruction for wiring diagram

## Installation Methods:

For pool environments please use IG40-SGTUBE or IG40-CB installation method.

### IG40-SGTUBE

Soft Ground Mounting Tube:

For installation in outdoor soft ground locations

### IG40-TUBE

Indoor Tube:

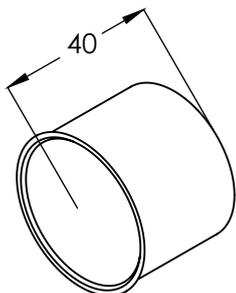
For installation in indoor floor or wall locations  
Cut out: 33mm Ø

### IG40-CB\*

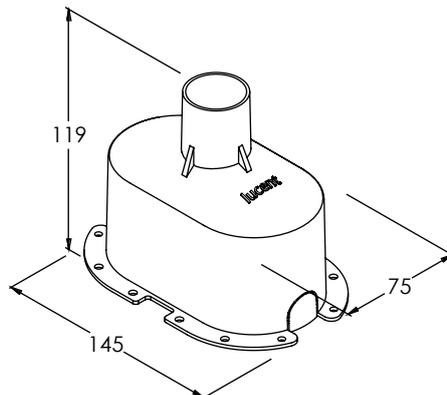
Concrete pour box:

For installation in concrete floor

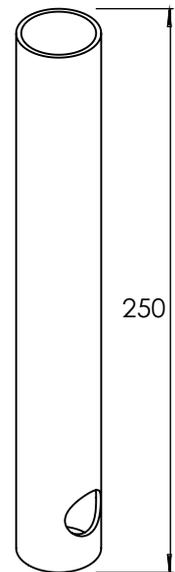
\*Driver to be remote



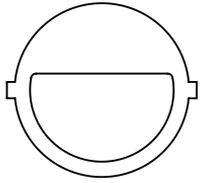
**IG40-TUBE**



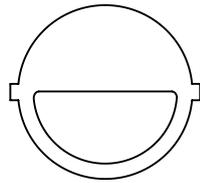
**IG40-CB**



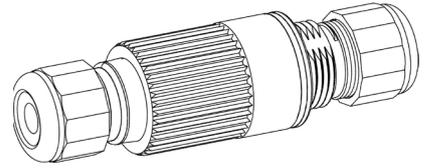
**IG40-SGTUBE**



IG40-IN-LD



IG40-IN-SD



TH381

Accessories Order Code:

Accessories

- IG40-IN-LD      Eyelid Cover Large
- IG40-IN-SD      Eyelid Cover Small
- TH381            IP68 Connector

Accessories cannot be used with 9° beam angle or 18°x33° optic.

All Lucent InGround products are supplied as standard with pre-wired 1.5m lead

### 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.

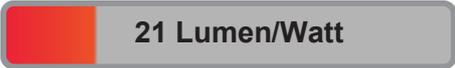
This specification sheet supersedes all previous versions.

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

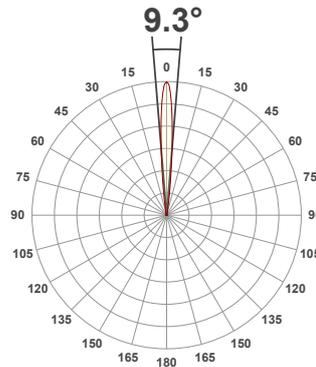
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**InGround40, 3000K, 9°, 700mA**

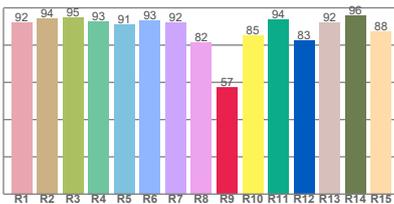
**Item number:**

**IG40-30-9-700mA**

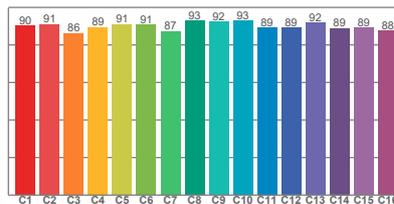
**Delivered information for above fixture and LED combination.**

**Output: 55.0 Lumen    Peak intensity: 1428 cd    Power consumption: 2.6**

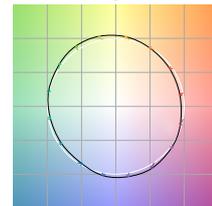
**CRI R values**



**TM30 C Values**

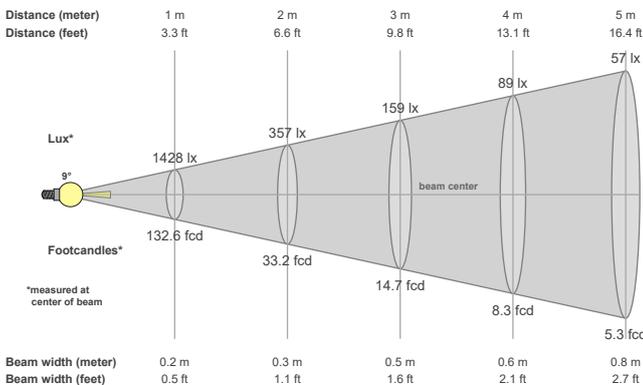


**Color vector graphics**



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	57.1	90.1	101.6	89.0	0.437	0.404	0.260	0.351	0.0003

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
9.3°	17.5°	27.1°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
1428 cd	97.9%	97.0%

**Beam intensities from 1-20m**

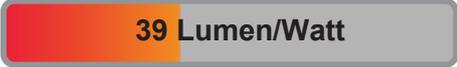
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
1428lx	357lx	159lx	89lx	57lx	40lx	29lx	22lx	18lx	14lx	12lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
132.6fcd	33.2fcd	14.7fcd	8.3fcd	5.3fcd	3.7fcd	2.7fcd	2.1fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd

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 = 0.82  
4000K = 1.11

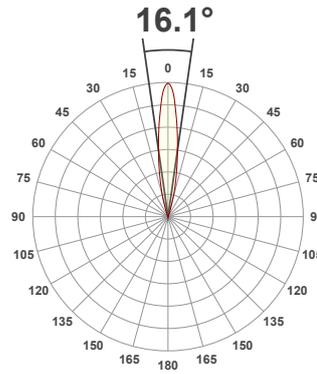
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**InGround40 Square, 3000K,**

**15°, 700mA**

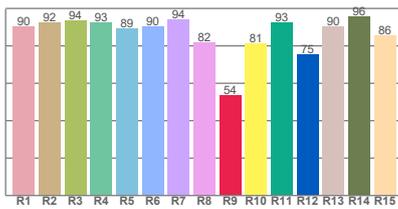
**Item number:**

**IG40-SQ-30-15-700mA**

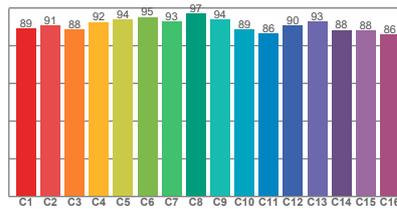
**Delivered information for above fixture and LED combination.**

**Output: 102 Lumen    Peak intensity: 925 cd    Power consumption: 2.6**

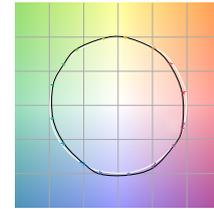
**CRI R values**



**TM30 C Values**

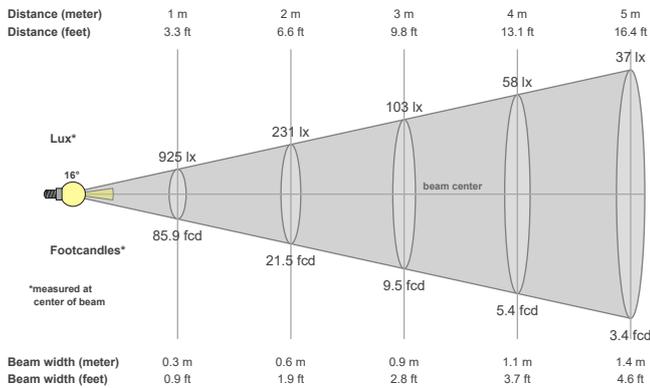


**Color vector graphics**



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	90.5	53.7	90.8	98.8	90.2	0.437	0.404	0.247	0.351	0.0042

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
16.1°	32.9°	42.2°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
925 cd	98.9%	98.3%

**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
925lx	231lx	103lx	58lx	37lx	26lx	19lx	14lx	11lx	9lx	8lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx
85.9fcd	21.5fcd	9.5fcd	5.4fcd	3.4fcd	2.4fcd	1.8fcd	1.3fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd

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 = 0.82  
4000K = 1.11

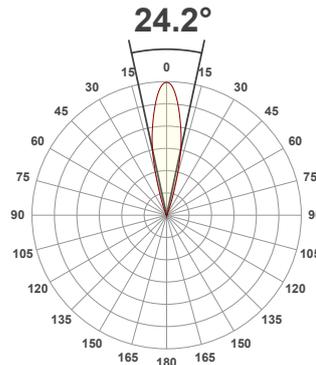
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**InGround40 Square, 3000K, 25°, 700mA**

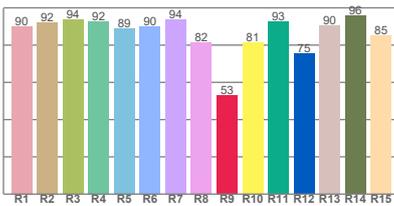
**Item number:**

**IG40-SQ-30-25-700mA**

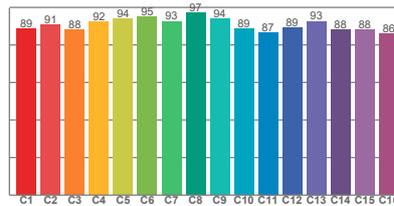
**Delivered information for above fixture and LED combination.**

**Output: 130 Lumen    Peak intensity: 760 cd    Power consumption: 2.6**

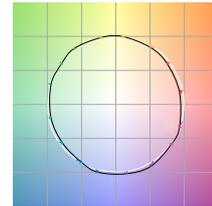
**CRI R values**



**TM30 C Values**

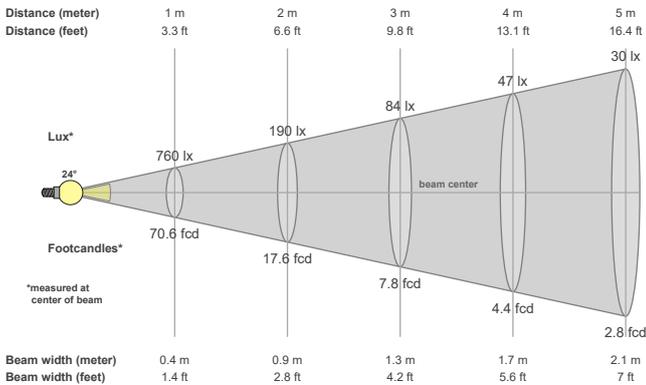


**Color vector graphics**



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	90.4	53.3	90.7	98.7	90.1	0.437	0.404	0.247	0.351	0.0041

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
24.2°	39°	46.7°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
760 cd	99.1%	98.7%

**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
760lx	190lx	84lx	47lx	30lx	21lx	16lx	12lx	9lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx
70.6fcd	17.6fcd	7.8fcd	4.4fcd	2.8fcd	2fcd	1.4fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

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 = 0.82  
4000K = 1.11

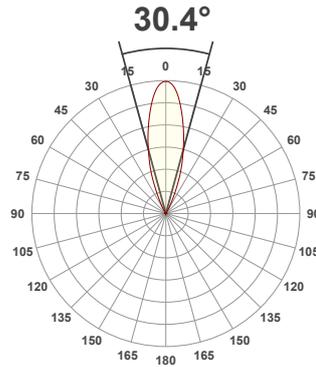
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**InGround40 Square, 3000K, 30°, 700mA**

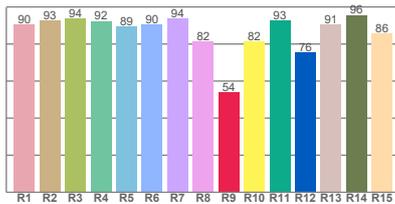
**Item number:**

**IG40-SQ-30-30-700mA**

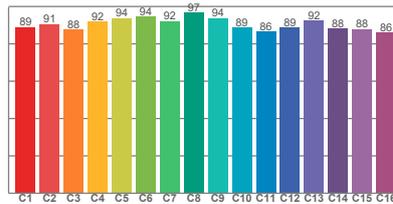
**Delivered information for above fixture and LED combination.**

**Output: 117 Lumen    Peak intensity: 406 cd    Power consumption: 2.6**

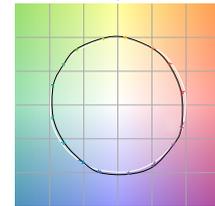
**CRI R values**



**TM30 C Values**

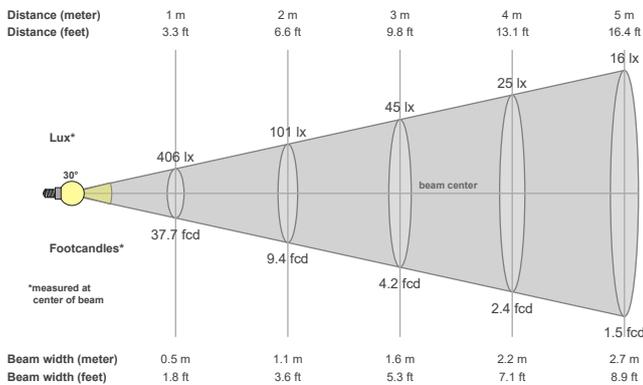


**Color vector graphics**



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	90.5	53.9	90.5	99.1	90.1	0.437	0.404	0.248	0.350	0.0035

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
30.4°	51.5°	60.5°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
406 cd	98.9%	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
406lx	101lx	45lx	25lx	16lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
37.7fcd	9.4fcd	4.2fcd	2.4fcd	1.5fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

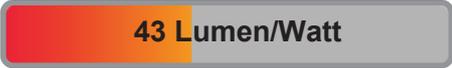
The above information is for 3000K colour temperature, for specific module information please see LED spec located on our website

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

2700K = 0.82

4000K = 1.11

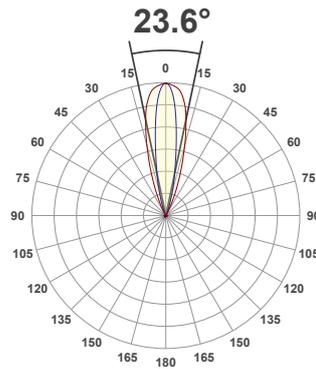
**Light efficiency:**



**Light quality:**



**Color temperature:**



**Product name:**

**InGround40 Square, 3000K,  
18° x 33°, 700mA**

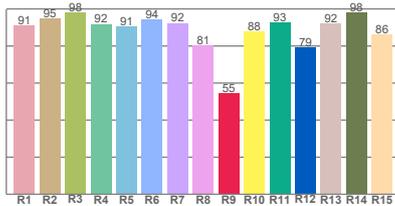
**Item number:**

**IG40-SQ-30-18x33-700mA**

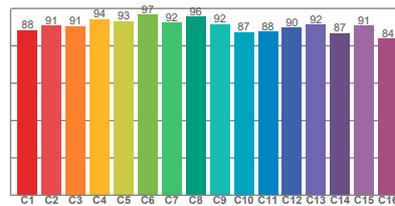
**Delivered information for above fixture and LED combination.**

**Output: 112 Lumen    Peak intensity: 556 cd    Power consumption: 2.6**

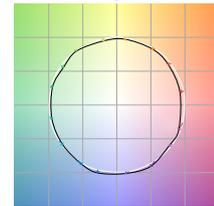
**CRI R values**



**TM30 C Values**

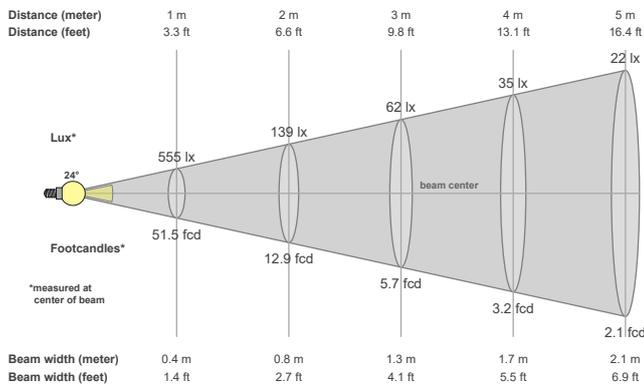


**Color vector graphics**



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	91.8	54.6	90.6	97.0	90.8	0.437	0.404	0.250	0.350	0.0026

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
23.6°	42.1°	53.9°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
556 cd	99.4%	98.3%

**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
555lx	139lx	62lx	35lx	22lx	15lx	11lx	9lx	7lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx	1lx
51.5fcd	12.9fcd	5.7fcd	3.2fcd	2.1fcd	1.4fcd	1.1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	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:

2700K = 0.82  
4000K = 1.11