

luccent®

ProSpex® LED Range



Your International Lighting Partner

Lucent's successful ProSpex range of architectural grade luminaires has now been expanded to include a wide selection of LED light sources embracing the latest technology available in the market place.

With LED light engines from Xicato, GE and Philips plus Lucent's own compact LED engine using Cree emitters, we feel that we have the low energy solution to many applications, be it hospitality, retail, or residential.

LED technology is seriously challenging conventional light sources not only in lumen output and colour rendition, but in size and affordability, finally allowing the lighting professional to design with green credentials.

With products available worldwide through our specialist distributor network, Lucent is your International Lighting Partner.



Grand Canal Theatre
Dublin

Lighting Designers
Pritchard Themis

Photography
Ros Kavanagh



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and Driver Information**

LED Type	Cree XP-E
LED Quantity	9
Max. Operating Current	700mA
LED Colour Temperatures	2700k/3000K/4000K
Colour Rendering Index	>80 CRI
Optics Beam Angle	18° / 22° / 30°
Dimensions (d/h)	50mmØ x 60mm
Temperature Range	-10°C to 50°C (40°C @ 700mA)
Life	50,000hr (to 70% lumen output)



- Three beam options available
- High-end cost effective led solution
- Compact size, 50mm diameter bezel
- Suitable for use in all ProSpex fixtures that accept MR16 lamps
- Able to be run at three drive currents 350mA, 500mA and 700mA
- Identical size engine for all three drive currents
- Available for emergency operation

Optic	18°			22°		
	350mA	500mA	700mA	350mA	500mA	700mA
Lumen Output 3000k	672lm	793lm	920lm	547lm	758lm	864lm
CCT Efficacy	58lm/cctw	49lm/cctw	42lm/cctw	48lm/cctw	47lm/cctw	39lm/cctw

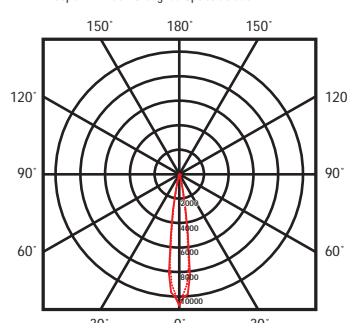
Information based on 3000K colour temperature.
Please consult for details of other colour temperatures.

LED50 Order Code*

Beam Angle		
18°	18	↓
22°	22	
30°	30	
LED Colour		
2700°K	27	↓
3000°K	30	
4200°K	42	
Example	LED50-	27- 18

*Driver to be ordered separately

LED-30-18 @ 500mA
ProSpex LED50 18 degree optics at 500mA

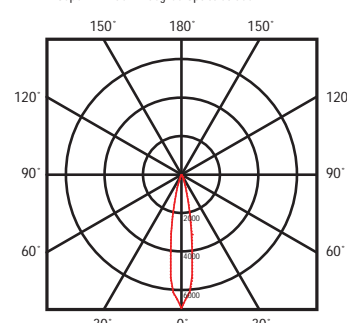


— C0 / C180 cd / 1000 lm C90 / C180 —

	C0	C90	C180
0°	10716	10782	10716
5°	9120	8228	8995
10°	2879	2709	3023
15°	454	480	380
20°	161	148	152
25°	84	90	82
30°	111	118	100
35°	127	120	117
40°	89	87	85
45°	42	40	37
50°	25	19	23
55°	16	12	12
60°	11	11	10
65°	7	7	8
70°	5	3	5
75°	2	2	2
80°	1	0	0
85°	0	0	0
90°	0	0	0

cd / 1000 lm

LED-30-22 @ 500mA
ProSpex LED50 22 degree optics at 500mA



— C0 / C180 cd / 1000 lm C90 / C270 —

	C0	C90	C180
0°	6939	6923	6939
5°	5713	5846	5785
10°	2939	3166	3094
15°	1155	1320	1230
20°	469	573	478
25°	166	220	179
30°	65	81	68
35°	31	35	31
40°	19	20	19
45°	14	14	14
50°	12	12	12
55°	10	11	11
60°	9	9	9
65°	8	8	8
70°	5	6	6
75°	3	3	3
80°	2	1	0
85°	0	0	0
90°	0	0	0

cd / 1000 lm

GE Infusion LED Module



LED Type	GE Infusion module
LED Quantity	1
Switchable Module	6w 8w 10w
LED Colour Temperatures	2700k/3000K/4000K
Colour Rendering Index	>80 CRI
LED Engine Beam Angle	15° / 25° / 40°
Dimensions (d/h)	78mmØ x 115mm
Temperature Range	-20°C to 70°C (Above 55°C light output depreciates)
Life	50,000hr

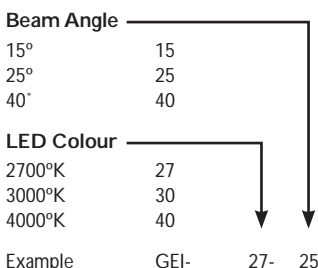
- Field replaceable led module with unique twist and lock mechanism
- First phase generation 1, easily upgradable when new technology becomes available
- Roadmap to provide 1,000, 2,000 and 3,000 lumen packages for 2011 and beyond
- 1000lm available Q1 2010
- Output switchable - 6w, 8w, 10w



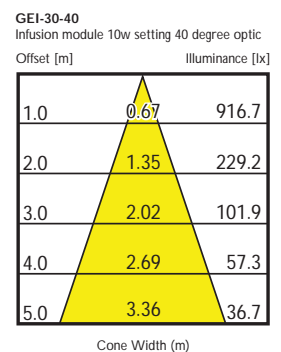
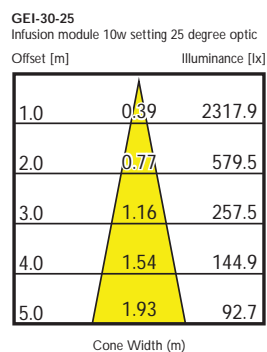
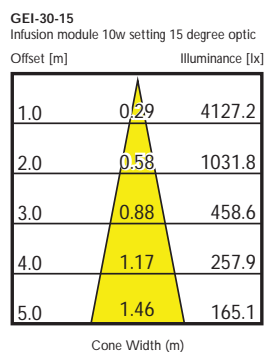
Beam Angle	15°	25°	40°
Module Setting	10w	10w	10w
Lumen Output - 300k	484lm	444lm	422lm
CCT Efficacy	29lm/cctw	26lm/cctw	26lm/cctw

*Information based on 3000K colour temperature.
Please consult Lucent Lighting for details of other colour temperatures.*

Infusion LED Module Order Code*



*Driver to be ordered separately



Xicato LED Module

LED Type	Xicato Spot Module
Available modules	400lm/700lm/1000lm
Max. Operating Current	700mA each module type
Module Colour Temperatures	2700K/3000K/4200K
Colour Rendering Index	>80
Available Reflectors	20° / 40° / 60°
Dimensions XSM400 (d/h)	54mmØ x 92mm
Dimensions XSM700/1000 (d/h)	71mmØ x 130mm
Temperature Range	-10°C to 40°C
Life	50,000hr

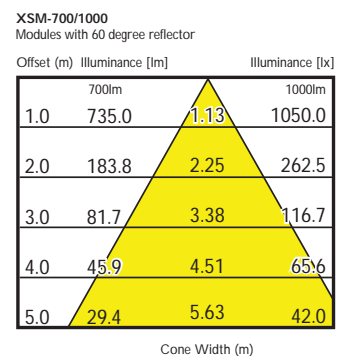
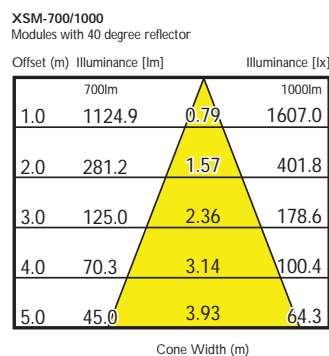
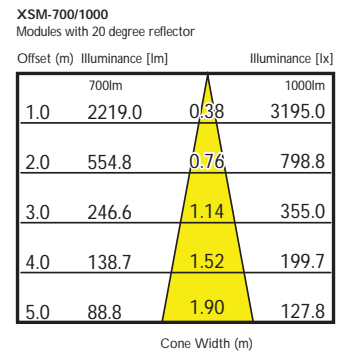
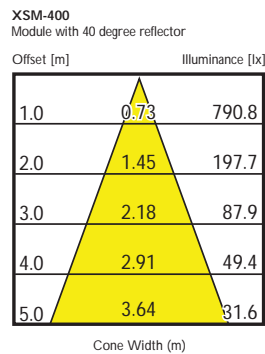
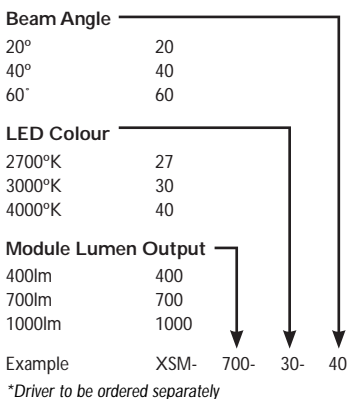


- Three operating outputs: 400lm, 700lm, 1000lm
- Stand alone led module IP66 rating
- Colour point consistency with uniform beam
- Available in three modules each capable of operating at three drive currents
- High CRI (95+) (Artist Series) module for museum and galleries option available
- Available for emergency operation

	XSM-400			XSM-700			XSM-1000		
Drive Current	350mA	500mA	700mA	350mA	500mA	700mA	350mA	500mA	700mA
Lumen Output 3000k	220lm	280lm	400lm	400lm	550lm	700lm	580lm	800lm	1000lm
CCT Efficacy	55lm/cctw	50lm/cctw	45lm/cctw	55lm/cctw	50lm/cctw	45lm/cctw	55lm/cctw	50lm/cctw	45lm/cctw

Information based on 3000K colour temperature.
Please consult Lucent Lighting for details of other colour temperatures.

Xicato LED Module Order Code*



Philips Fortimo Spot LED Module

LED Type	Fortimo SLM
LED Quantity	9 / 16
Available modules	1100lm/2000lm
LED Colour Temperatures	3000k/3500K/4200K
Colour Rendering Index	>80
Available Reflectors	SLM 1100 - 24°/39° SLM 2000 - 27°/42°
Dimensions (d/h)	75mmØ x 88mm
Temperature Range	-20°C to 45°C
Life	50,000hr

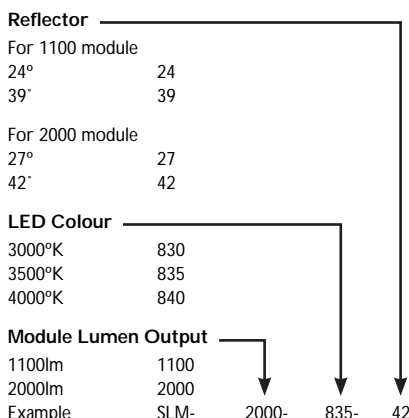


- High lumen package ideal for commercial and retail applications
- Compact sized module with active cooling
- Available in two outputs 1100lm and 2000lm
- Dimmable to 10%

	SLM-1100	SLM-2000
Lumen Output 3000k	1100lm	2000lm
CCT Efficacy 3000K	52lm/CCTW	53lm/CCTW

Information based on 3000K colour temperature.
Please consult Lucent Lighting for details of other colour temperatures.

Fortimo SLM LED Module Order Code*



*Driver to be ordered separately

SLM-1100-830-24

Fortimo module 1100lm 24 degree reflector

Offset [m]	Cone Width (m)	Illuminance [lx]
1.0	0.43	3666.3
2.0	0.86	916.6
3.0	1.29	407.4
4.0	1.72	229.1
5.0	2.15	146.7

SLM-2000-830-27

Fortimo module 2000lm 27degree reflector

Offset [m]	Cone Width (m)	Illuminance [lx]
1.0	0.49	5501.2
2.0	0.97	1375.3
3.0	1.46	611.2
4.0	1.94	343.8
5.0	2.43	220.0

SLM-1100-830-39

Fortimo module 1100lm 39 degree reflector

Offset [m]	Cone Width (m)	Illuminance [lx]
1.0	0.70	1957.5
2.0	1.40	489.4
3.0	2.10	217.5
4.0	2.80	122.3
5.0	3.49	78.3

SLM-2000-830-42

Fortimo module 2000lm 42 degree reflector

Offset [m]	Cone Width (m)	Illuminance [lx]
1.0	0.77	3150.8
2.0	1.54	787.7
3.0	2.31	350.1
4.0	3.08	196.9
5.0	3.85	126.0

Lucent LED availability matrix

Downlight Range



LED Engine Type

	Soft 70 Round	Soft 70 Square	LessTrim	Soft 90	Focus 90	90 Pinhole
ProSpex LED50	✓	✓	✓		✓	✓
GE Infusion GEI				✓		
Xicato XSM-400					✓	
Xicato XSM-700				✓		
Xicato XSM-1000				✓		
Philips SLM-1100				✓		
Philips SLM-2000				✓		

Drivers for ProSpex LED50 & Xicato XSM

	Non-Dimmable		DALI Dimmable		
	CL700S-xxx-C	CL1000S-xxx-C	CL350D-240-C	CL500D-240-C	CL700D-240-C
ProSpex LED50	✓ (3)	✓ (1)	✓ (2)	✓ (2)	✓ (2)
XSM-400	✓ (3)	✓ (1)	✓ (2)	✓ (2)	✓ (2)
XSM-700	✓ (3)	✓ (1)	✓ (2)	✓ (2)	✓ (2)
XSM-1000	✓ (3)	✓ (1)	✓ (2)	✓ (2)	✓ (2)

Drivers for Fortimo SLM

	Non-Dimmable	DALI Dimmable	Phase Dimmable (Trailing Edge)
	LED DLM 1100-2000/I	LED DLM 1100-2000/TDI	Xitanium 25W 0.3-0.7A 36V E/I
SLM-1100	✓ (i)	✓ (i)	✓ (i)
SLM-2000	✓ (i)	✓ (i)	

(i) Must be used with Fortimo DLM cable.

Full driver specifications available via Lucent website: www.lucent-lighting.com



90 Pinhole Square	90 Plus Square	90 Plus Round	ProSpex 100	ProSpex 140	ProSpex 120 Square	Gimbal Mini	Gimbal Midi
✓	✓	✓	✓		✓	✓	✓
			✓		✓		✓
			✓		✓		✓
			✓	✓	✓		✓
			✓	✓	✓		✓
			✓	✓	✓		✓

1-10 Dimmable			Phase Dimmable	
CL350A-240-C	CL500A-240-C	CL700A-240-C	CL500P-240-C	CL700P-240-C
✓ (2)	✓ (2)	✓ (2)	✓ (2) (3)	✓ (2) (3)
✓ (2)	✓ (2)	✓ (2)	✓ (2) (3)	✓ (2) (3)
✓ (2)	✓ (2)	✓ (2)	✓ (2) (3)	✓ (2) (3)
✓ (2)	✓ (2)	✓ (2)	✓ (2) (3)	✓ (2) (3)

- (1) Only to be used on the 500mA setting
- (2) Available Q4 2010
- (3) Switch driver to the appropriate setting

Drivers for GE Infusion

	Non-Dimmable
	CLV24-240-26-C
GEI	✓

Full luminaire specifications available via Lucent website: www.lucnt-lighting.com

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