

TCYC-7 Cyclorama
Photometric Report

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Testing Process

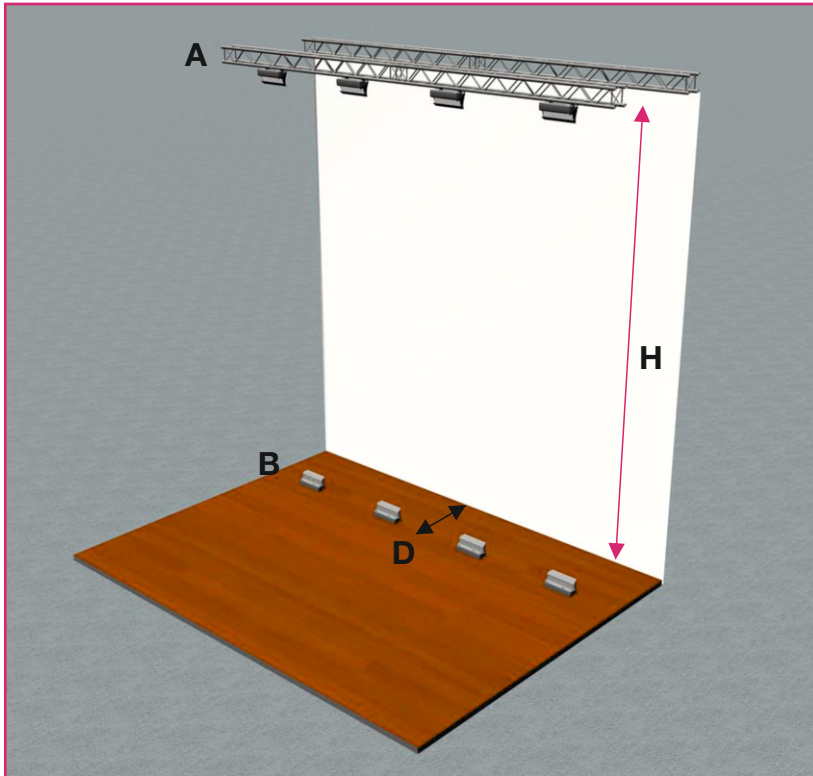
All measurements are made using the Viso Systems Labspion which takes multiple measurements across a lightbeam to calculate the total delivered lumens, beam, and field of a fixture. The values of these measurements are the empirical output of the product as it projects from the lens or lenses either reflectors.

All photometric data in this report are obtained from an original product and are not theoretical values which are made by calculations or 3rd party data sheets.

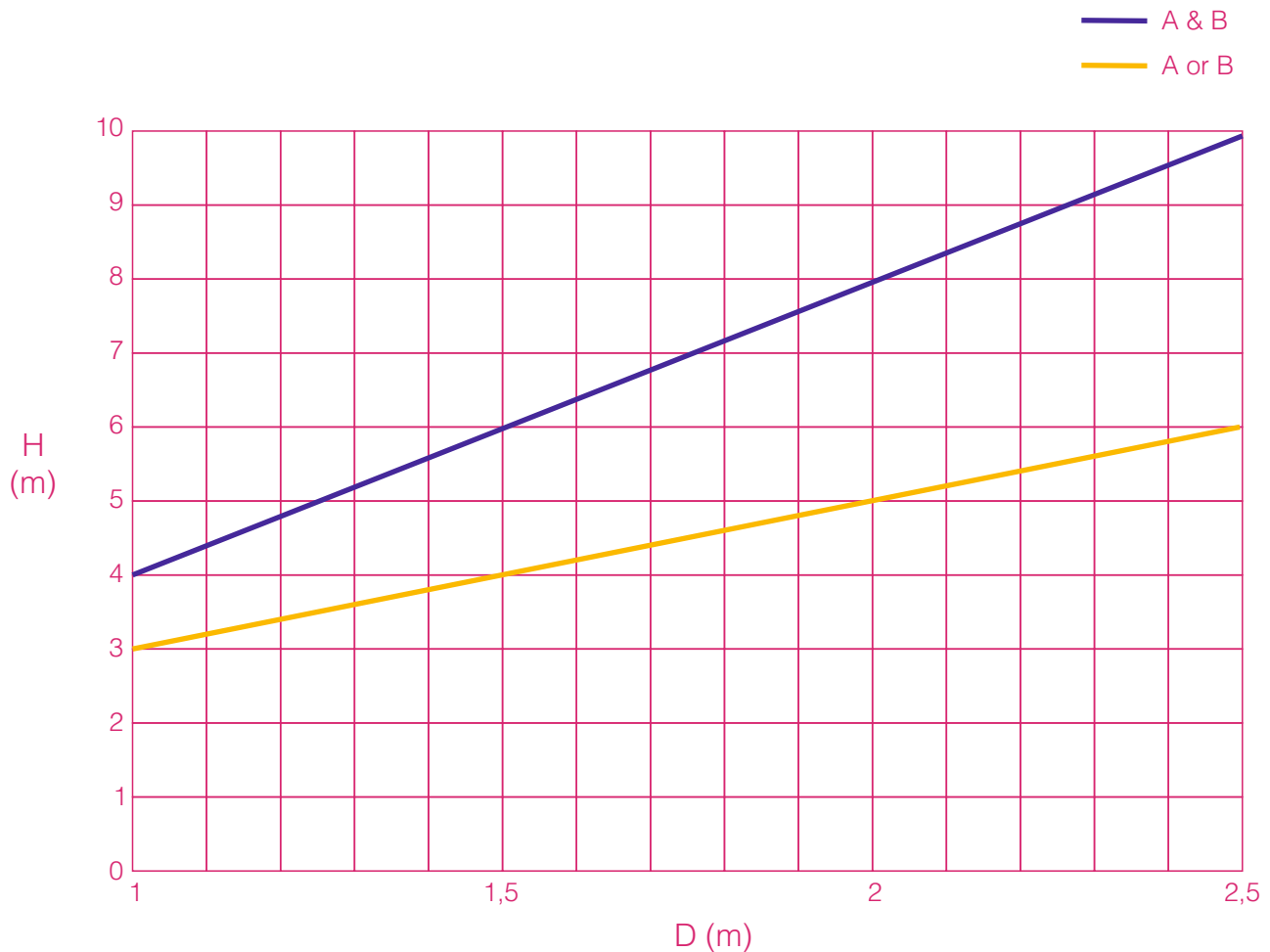
Noise Level measurements are done in a special acoustic chamber in order to eliminate any surrounding noise. The acoustic measurements are executed with a Smaart live audio analysis software.

All measurements were made at the Infinity headquarters in Kerkrade, The Netherlands. The laboratory at the headquarters is climate controlled to ensure a stable ambient temperature and is as well light-controlled to avoid any influences.

TCYC-7 Beam Projection

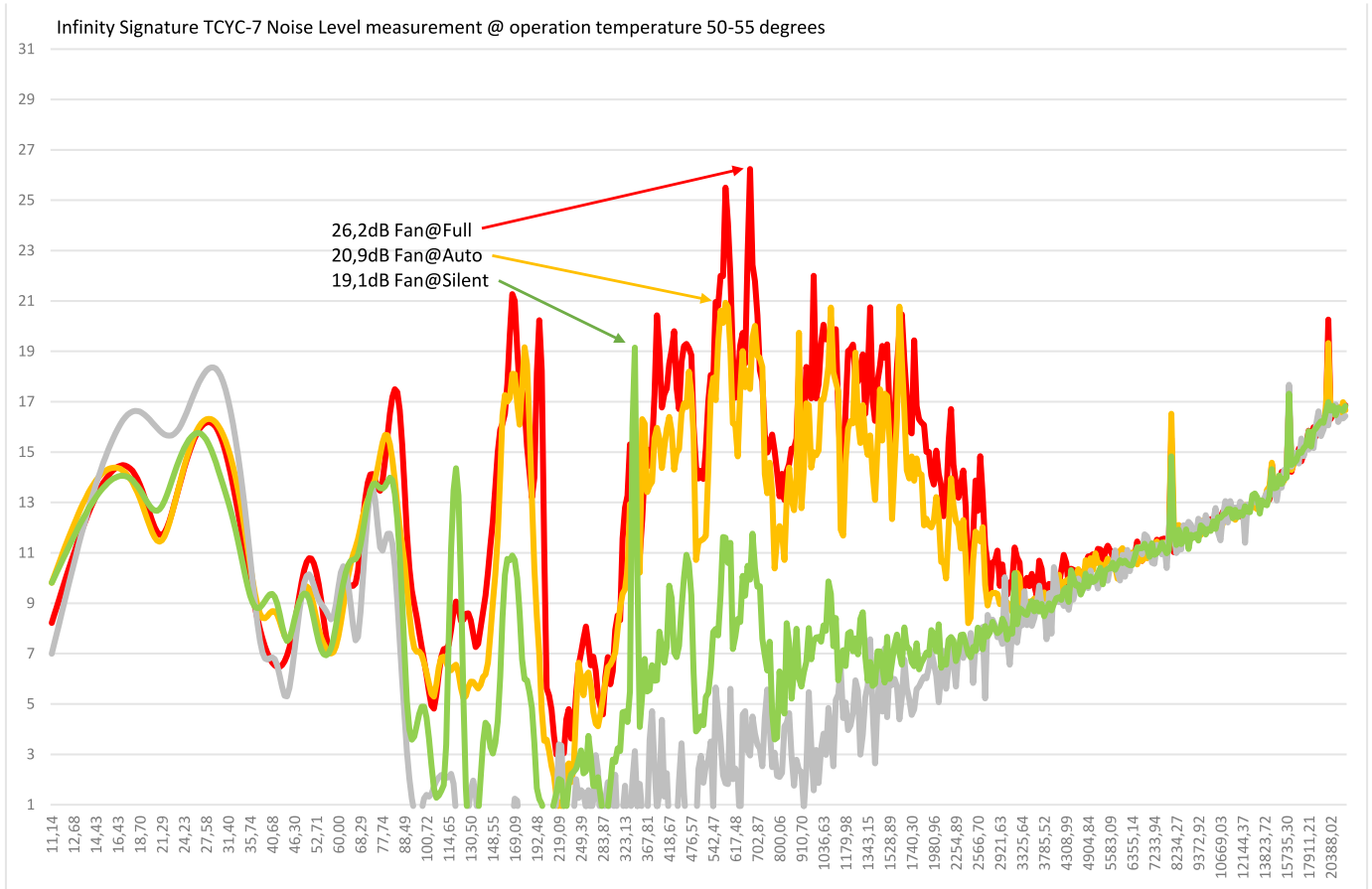


Optics:
Type: Asymmetric
Horizontal spread: 124,5°
Vertical spread: 75°
Lumens: 6398 Lumen
CRI: 98,1



Recommended distances for the evenness of light on cyclorama
Recommended distance between fixtures is 1,5m

Noise Level Measurements



Photometric Report



TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

REPORT SUMMARY

Output

Total Lumens: 6398 Lumen
Peak Intensity: 4900 candela
Illuminance @ 5m: 65 lx
CRI: 98,1
CCT: 3255 K

Optical

Beam Angle (50%) 75,9 °
Field Angle (10%) 123,5 °

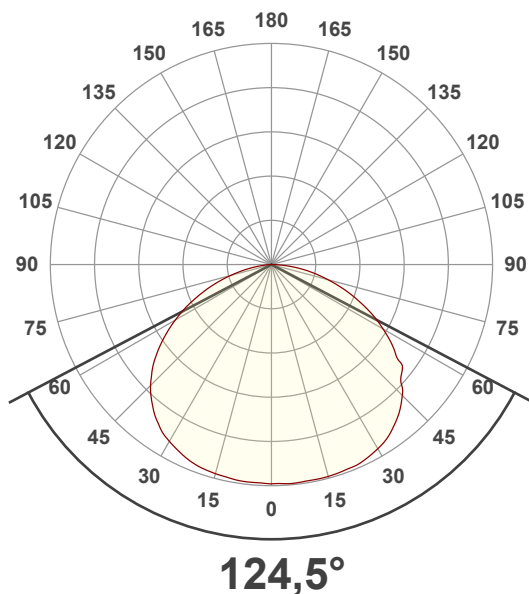


Conditions:

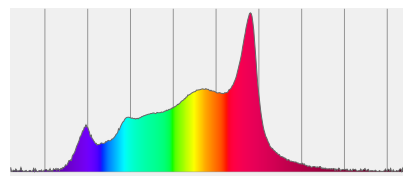
Power Supply: 226 V
Power: 141,7 W
Current: 0,713 A
Power Factor: 0,88

MEASUREMENTS

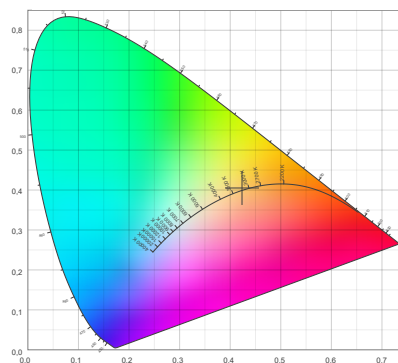
Angular Beam Distribution



Spectral Distribution



CIE 1931

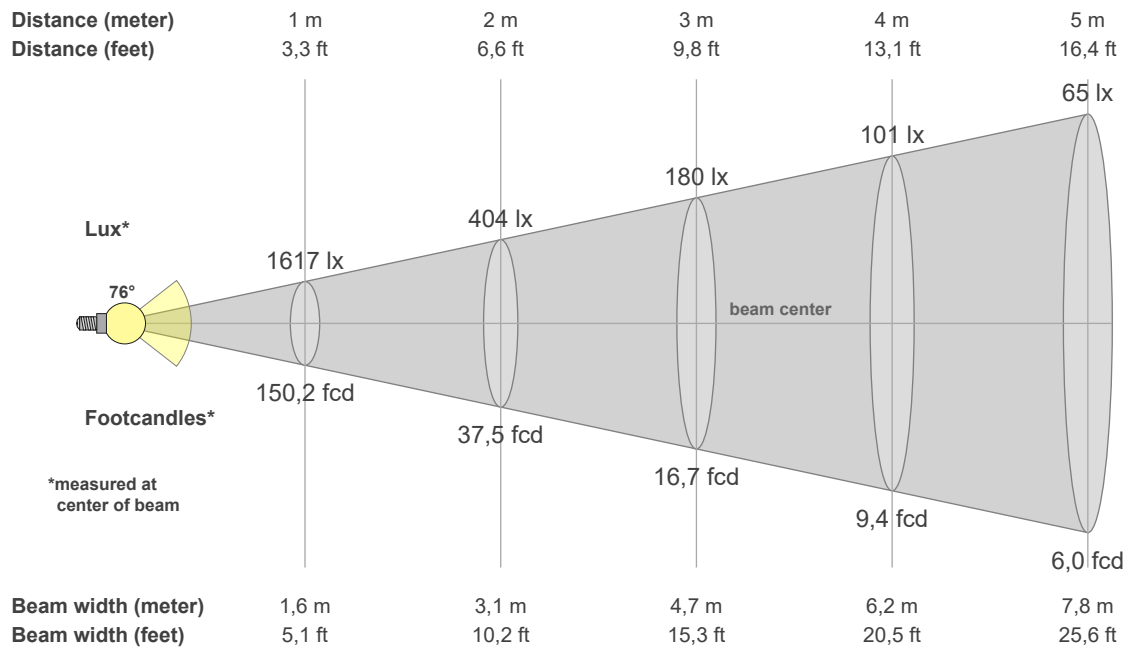


Photometric Report



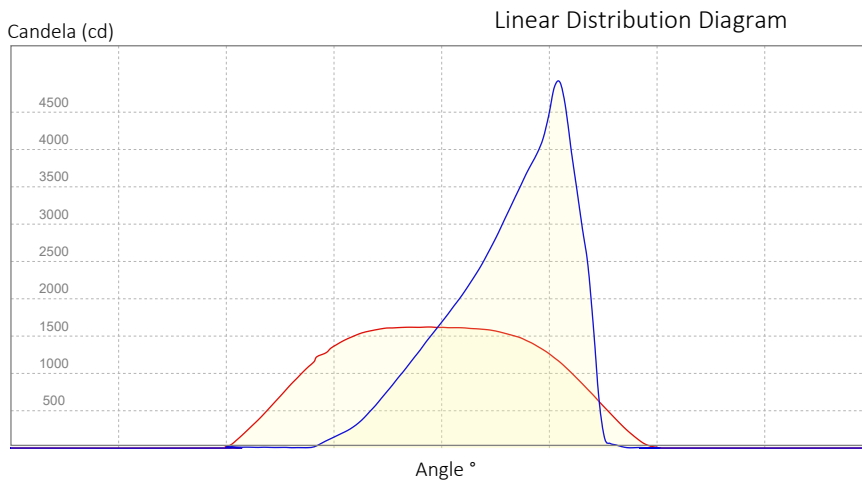
TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1617lx	404lx	180lx	101lx	65lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
150,2fcd	37,5fcd	16,7fcd	9,4fcd	6fcd	4,2fcd	3,1fcd	2,3fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd



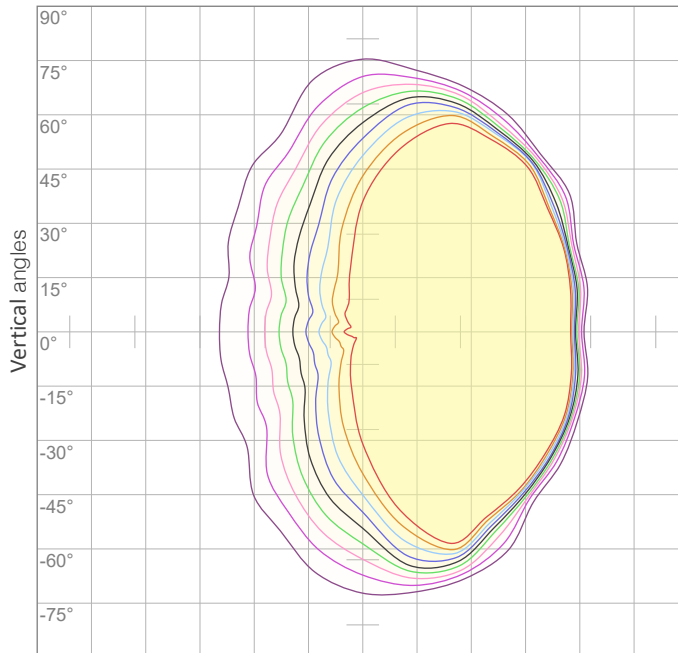
Beam Angle (50%): 75,9 °
 Field Angle (10%): 123,5 °
 Cutoff Angle (3%): 138,3 °

Photometric Report



TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

POLAR DIAGRAMS



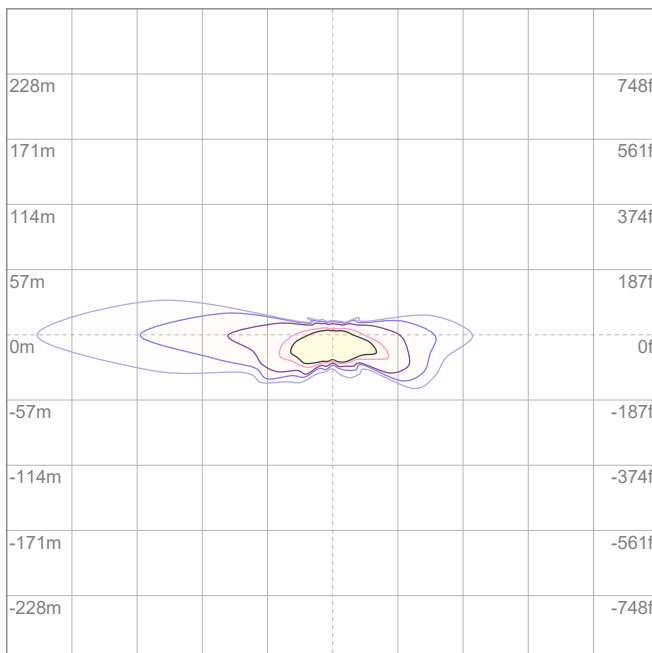
ISO candela diagram

10%	162 cd
20%	323 cd
30%	485 cd
40%	647 cd
50%	808 cd
60%	970 cd
70%	1132 cd

Conditions:

Number of c-planes: 16

Candela at center: 1617 cd



ISO lux diagram

3%	0,485 lx
5%	0,808 lx
10%	1,62 lx
30%	4,85 lx
50%	8,08 lx

Conditions:

Number of c-planes: 16

Lux at center: 16,2 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

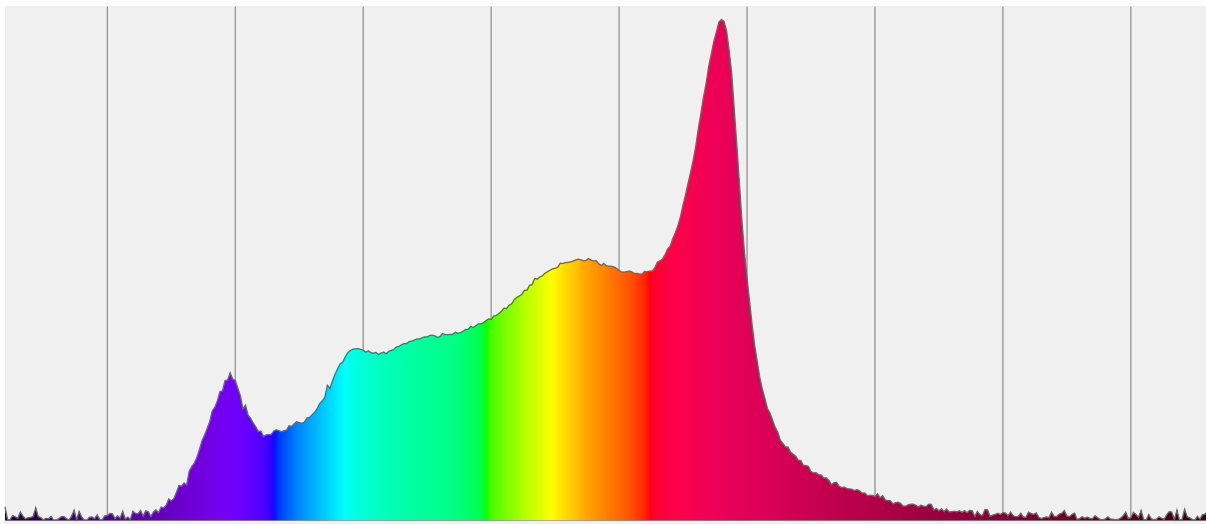
CHROMATICITY REPORT

Total Lumens: 6398 lm
Peak Intensity: 4900 cd
Fixture Efficiency: 45 Lumen/Watt

Color Temperature: 3255 K
CRI: 98,1
CRI R9: 92,6
CQS: 95,4
TM-30 Rf: 94,6
TM-30 Rg: 98,4
 Δuv : 0,0026
1st Dominant Wavelength: 640 nm
2nd Dominant Wavelength: 588 nm



Spectral Distribution



Color

3255 K
CIE 1931 Coordinates:
X: 0,423 Y: 0,405

Color Temperature

3255 K

CRI

98,1

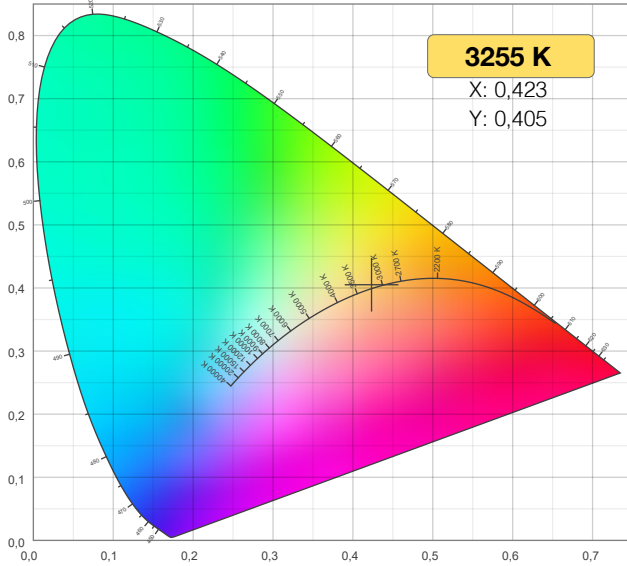
Photometric Report



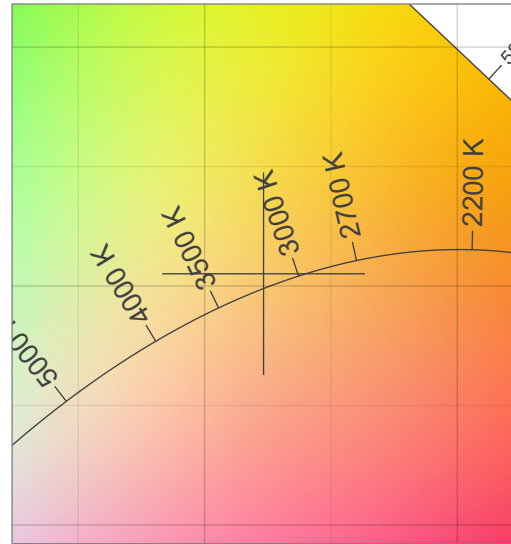
TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

CHROMATICITY

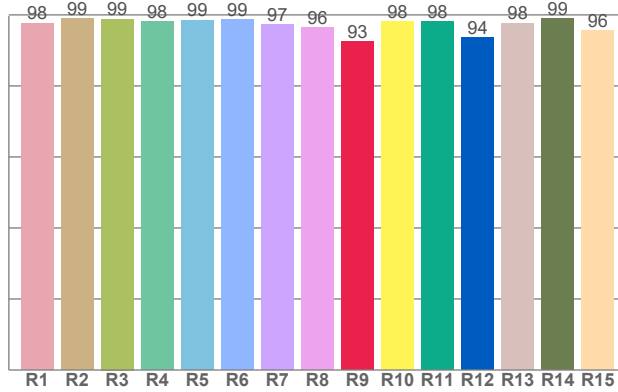
CIE 1931



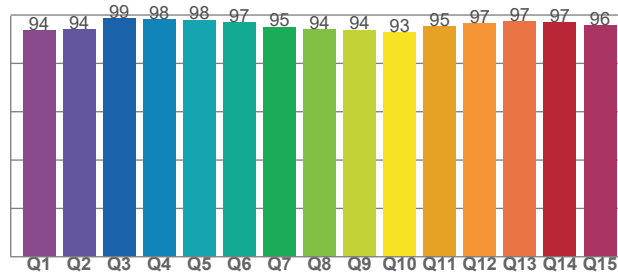
CIE 1931 - Detail



CRI: 98,1 (R1-R8)



CQSI: 95,4



Photometric Report



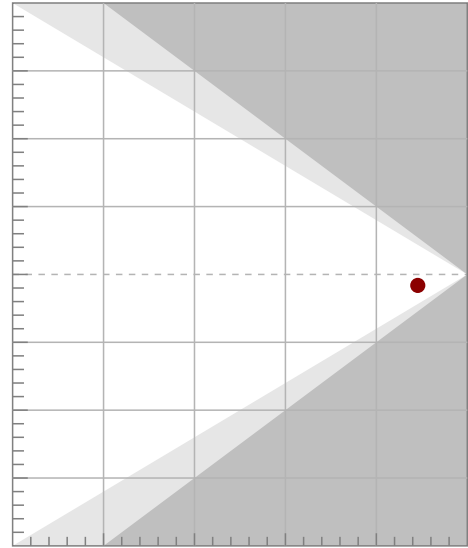
TCYC-7 Cyclorama (3200K-cri), High CRI mode, Ordercode 200300

TM-30-18 DETAILS

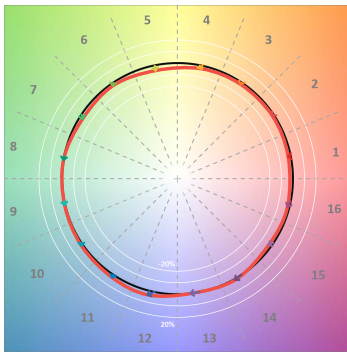
Rf 94,6
Fidelity index Rf

Rg 98,4
Gamut index Rg

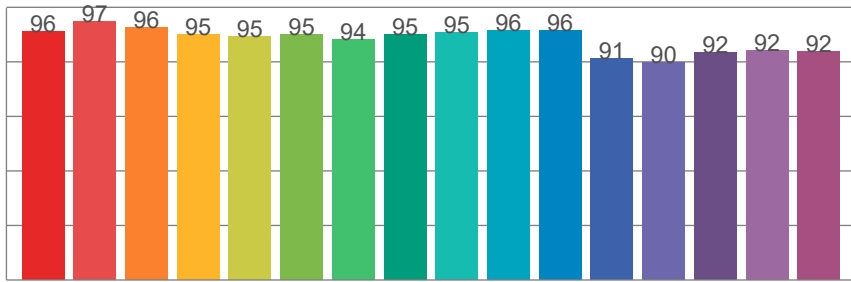
[TM30_BIN_VALUES_START]			
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



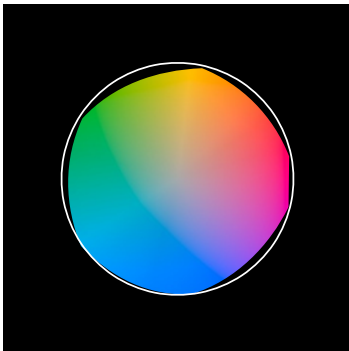
TM30-18 Color Vectors



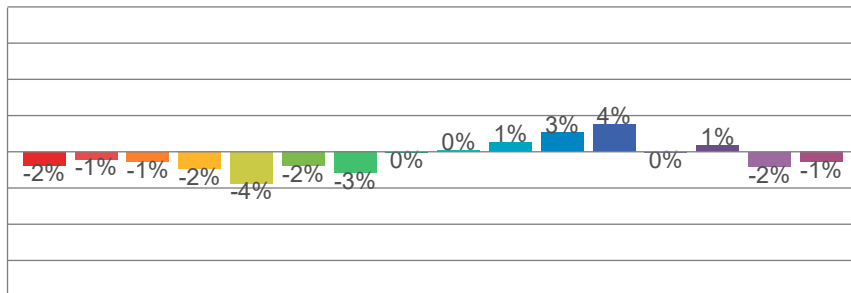
Rf by Hue Bin



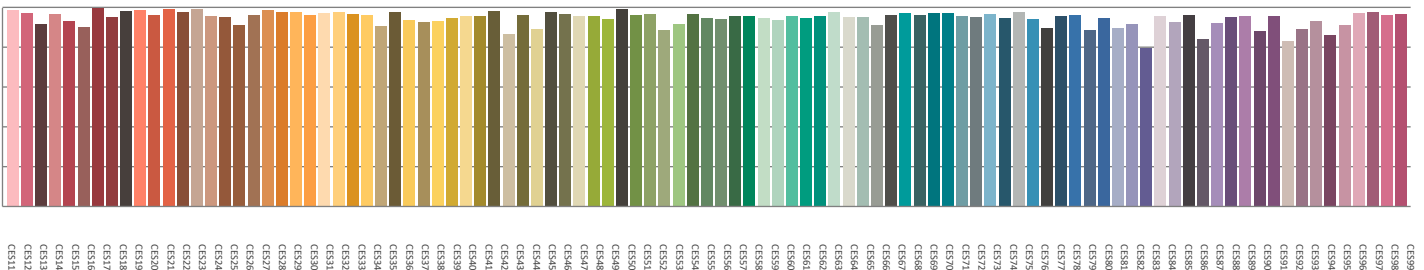
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

REPORT SUMMARY

Output

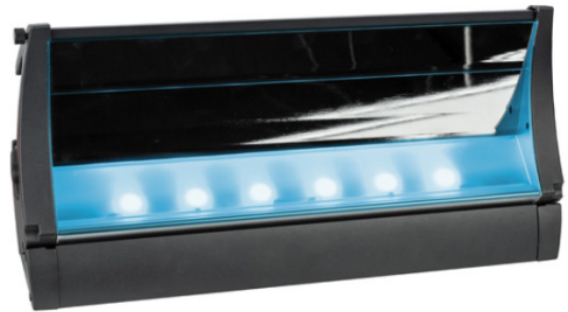
Total Lumens: 6706 Lumen
Peak Intensity: 5018 candela
Illuminance @ 5m: 69 lx
CRI: 87,0
CCT: 3278 K

Optical

Beam Angle (50%) 76,6 °
Field Angle (10%) 123,6 °

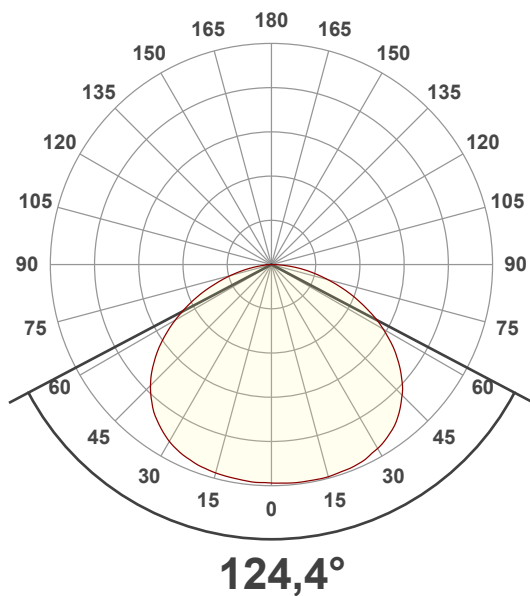
Conditions:

Power Supply: 227 V
Power: 157,2 W
Current: 0,773 A
Power Factor: 0,9

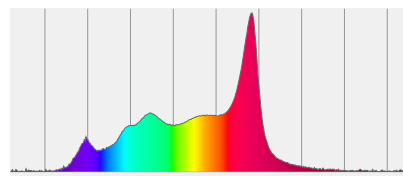


MEASUREMENTS

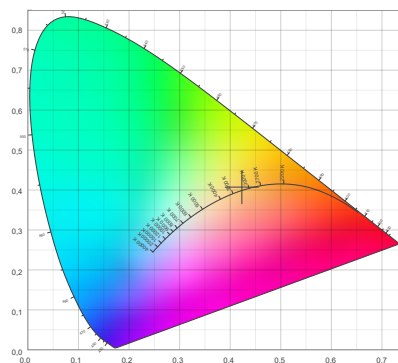
Angular Beam Distribution



Spectral Distribution



CIE 1931

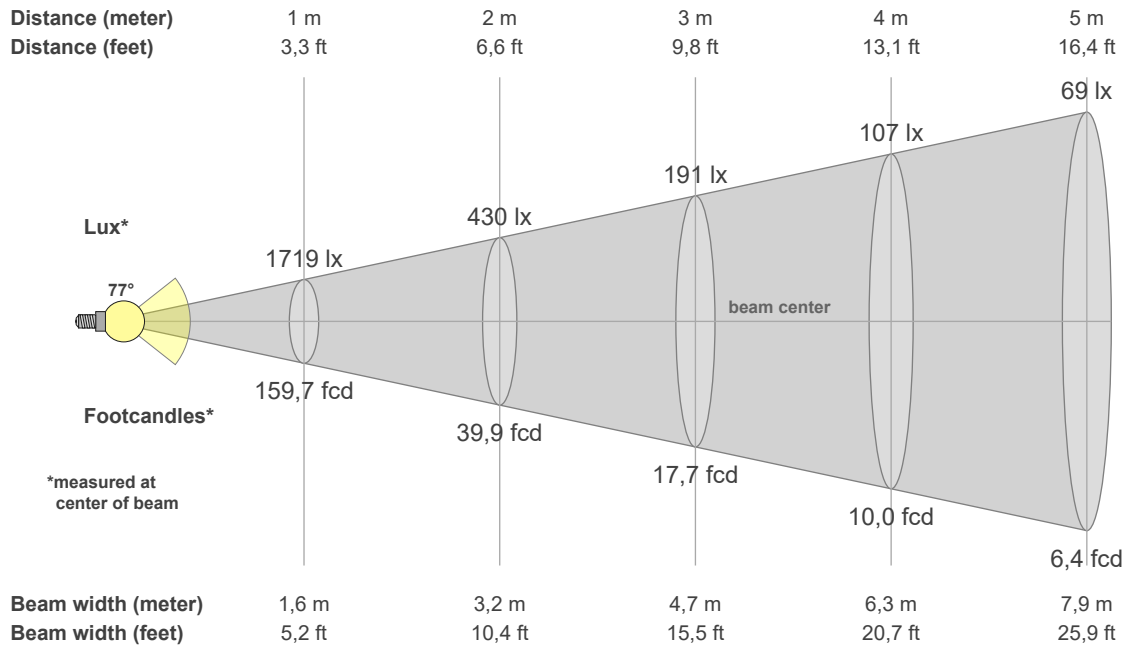


Photometric Report



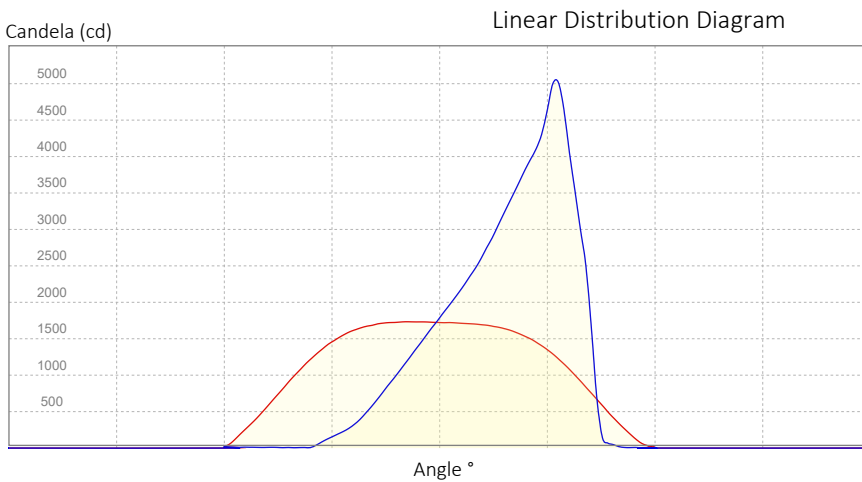
TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1719lx	430lx	191lx	107lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
159,7fcd	39,9fcd	17,7fcd	10fcd	6,4fcd	4,4fcd	3,3fcd	2,5fcd	2fcd	1,6fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd



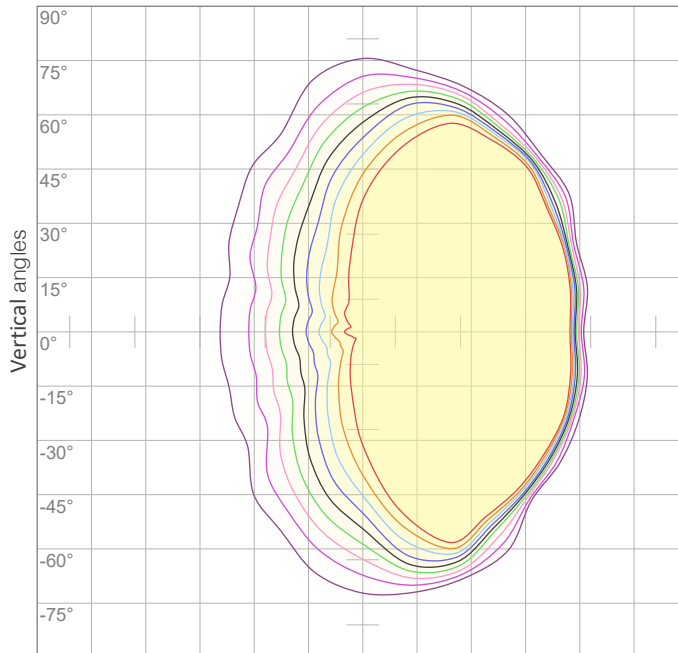
Beam Angle (50%): 76,6 °
 Field Angle (10%): 123,6 °
 Cutoff Angle (3%): 138,4 °

Photometric Report



TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

POLAR DIAGRAMS



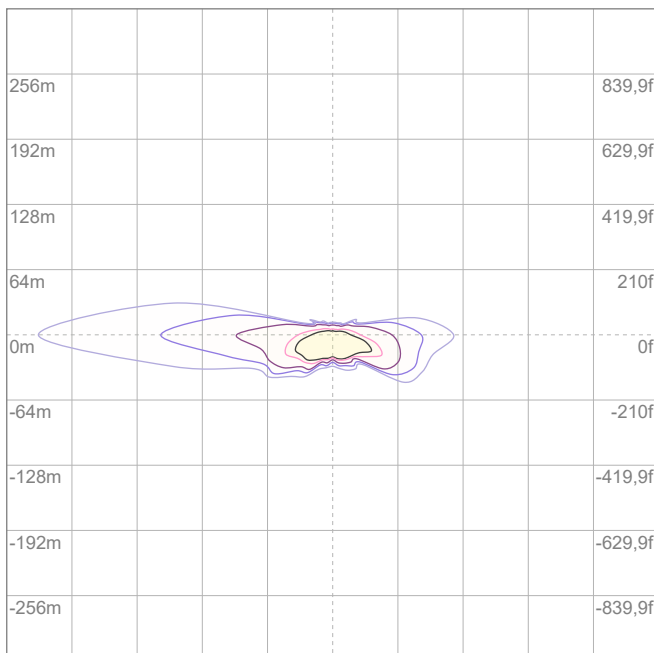
ISO candela diagram

10%	172 cd
20%	344 cd
30%	516 cd
40%	687 cd
50%	859 cd
60%	1031 cd
70%	1203 cd

Conditions:

Number of c-planes: 16

Candela at center: 1719 cd



ISO lux diagram

3%	0,516 lx
5%	0,859 lx
10%	1,72 lx
30%	5,16 lx
50%	8,59 lx

Conditions:

Number of c-planes: 16

Lux at center: 17,2 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report

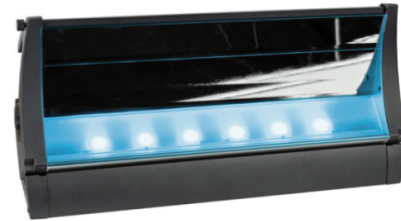


TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

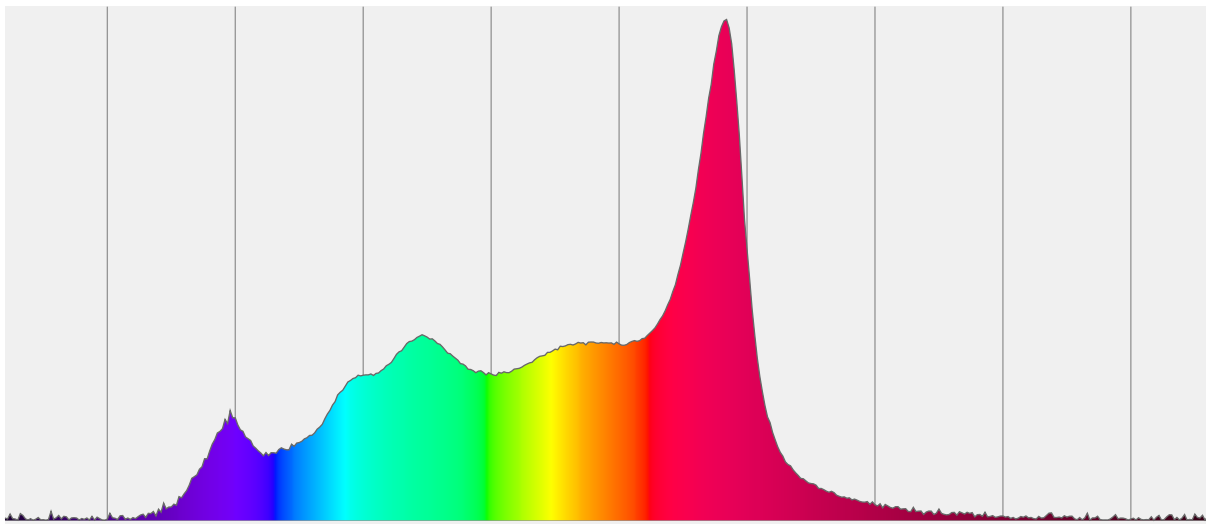
CHROMATICITY REPORT

Total Lumens: 6706 lm
Peak Intensity: 5018 cd
Fixture Efficiency: 43 Lumen/Watt

Color Temperature: 3278 K
CRI: 87,0
CRI R9: 49,0
CQS: 87,4
TM-30 Rf: 89,1
TM-30 Rg: 101,5
 Δuv : 0,0035
1st Dominant Wavelength: 642 nm
2nd Dominant Wavelength: 523 nm



Spectral Distribution



Color

3278 K
CIE 1931 Coordinates:
X: 0,423 Y: 0,407

Color Temperature

3278 K

CRI

87,0

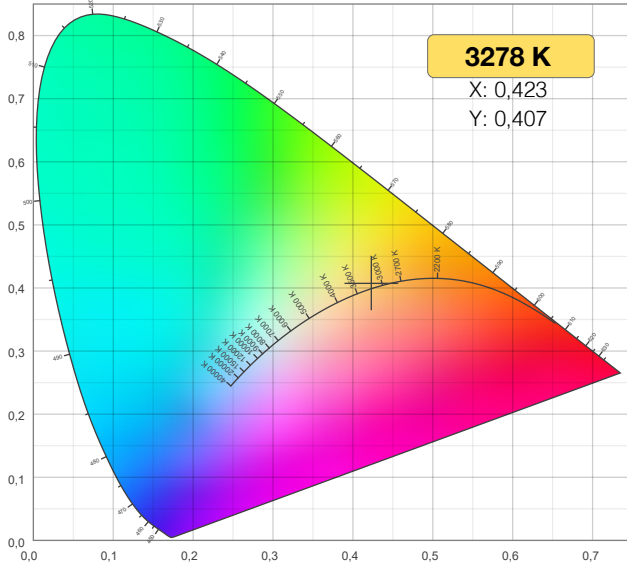
Photometric Report



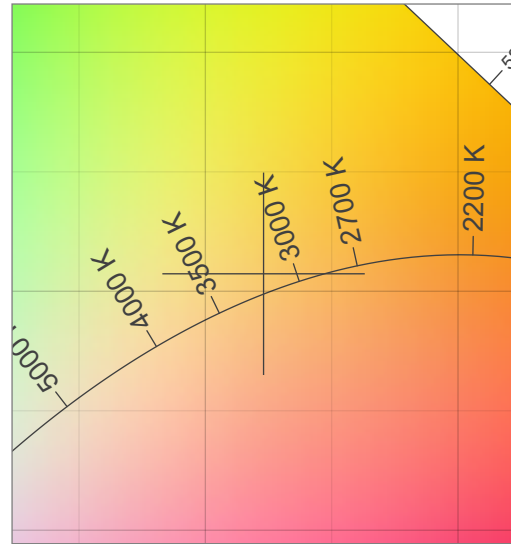
TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

CHROMATICITY

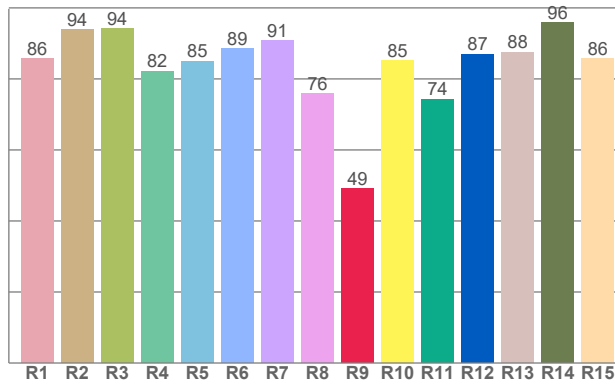
CIE 1931



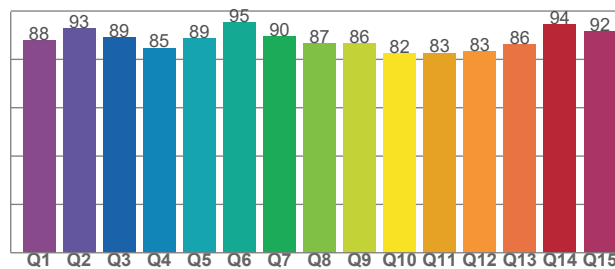
CIE 1931 - Detail



CRI: 87,0 (R1-R8)



CQSI: 87,4



Photometric Report



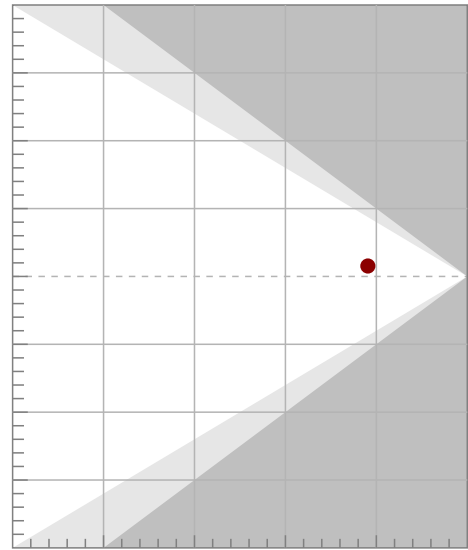
TCYC-7 Cyclorama (3200K-high), High output mode, Ordercode 200300

TM-30-18 DETAILS

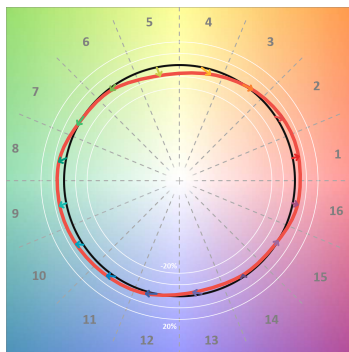
Rf 89,1
Fidelity index Rf

Rg 101,5
Gamut index Rg

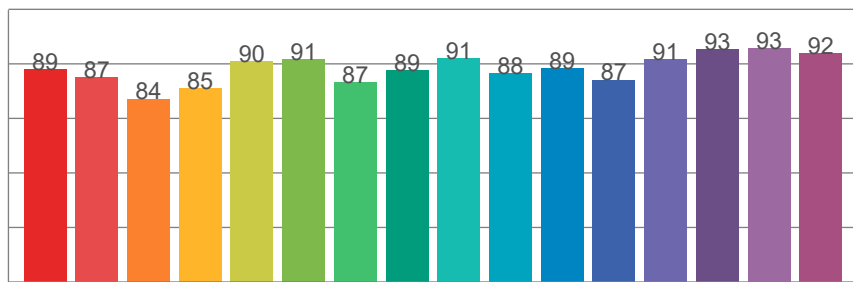
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



TM30-18 Color Vectors



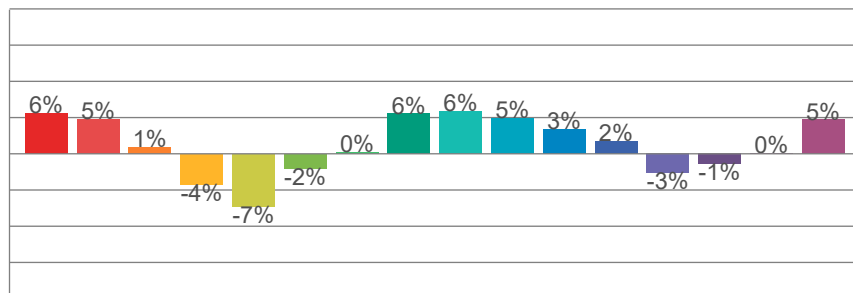
Rf by Hue Bin



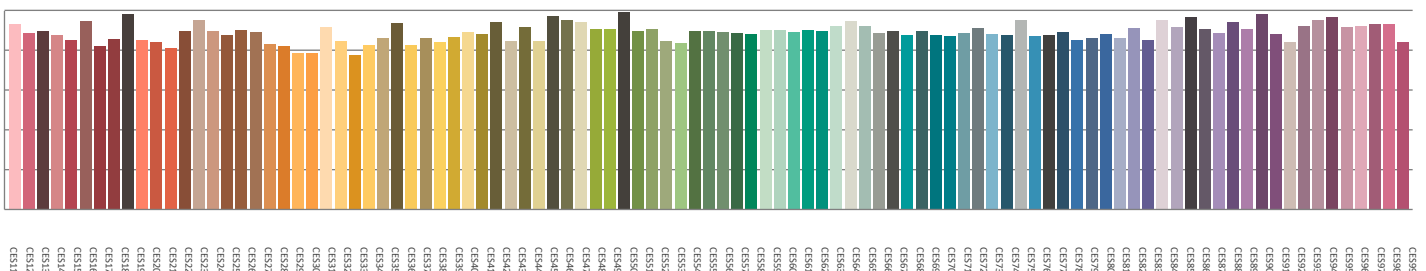
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

REPORT SUMMARY

Output

Total Lumens: 5793 Lumen
Peak Intensity: 4373 candela
Illuminance @ 5m: 58 lx
CRI: 97,9
CCT: 4034 K

Optical

Beam Angle (50%) 76 °
Field Angle (10%) 123,8 °

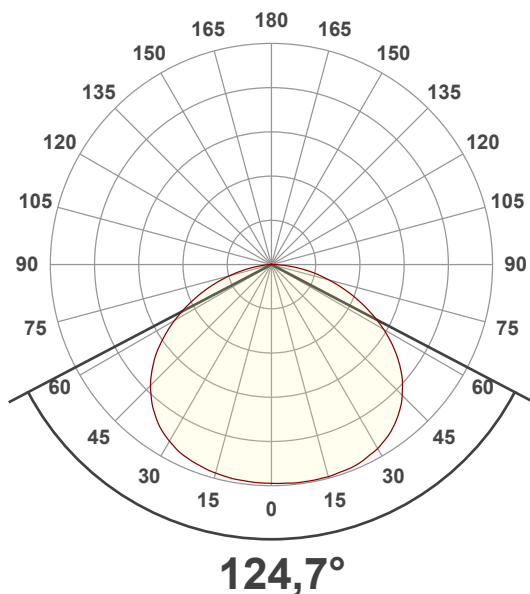
Conditions:

Power Supply: 224 V
Power: 128 W
Current: 0,657 A
Power Factor: 0,87

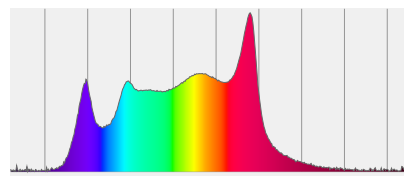


MEASUREMENTS

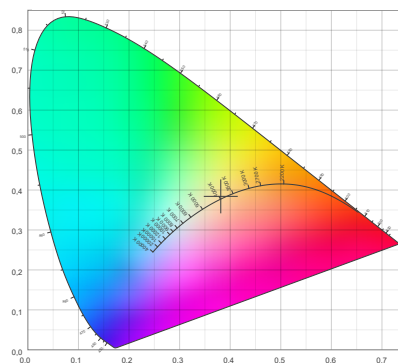
Angular Beam Distribution



Spectral Distribution



CIE 1931

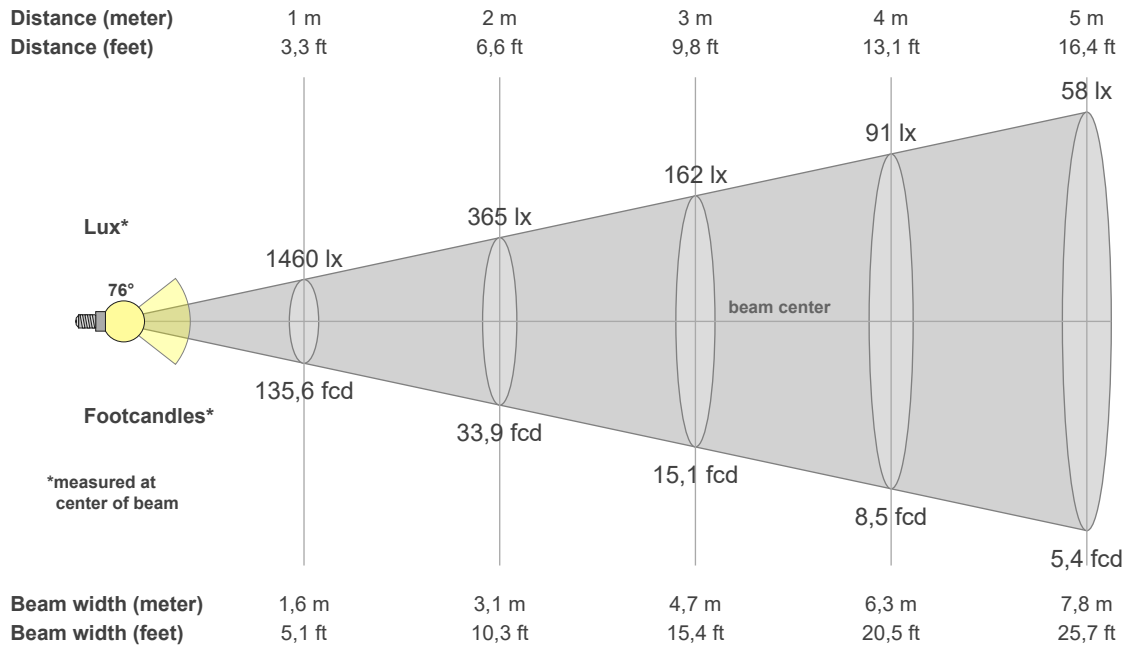


Photometric Report



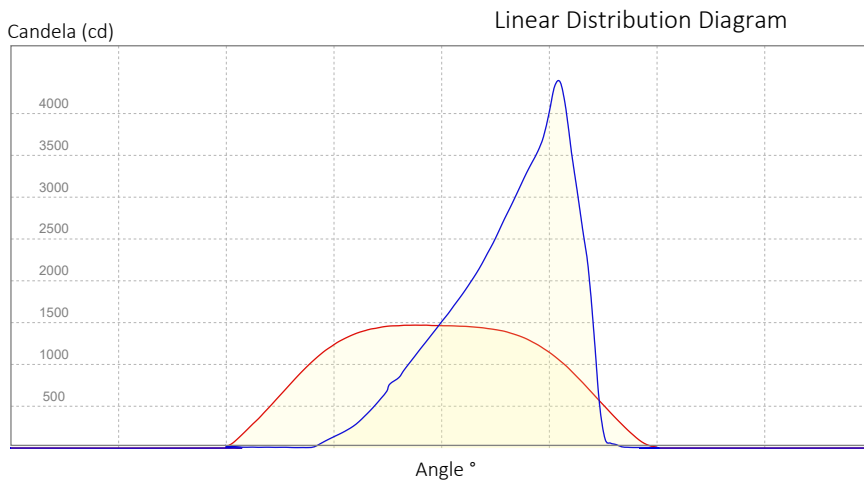
TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1460lx	365lx	162lx	91lx	58lx	41lx	30lx	23lx	18lx	15lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	5lx	4lx	4lx
135,6fcd	33,9fcd	15,1fcd	8,5fcd	5,4fcd	3,8fcd	2,8fcd	2,1fcd	1,7fcd	1,4fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd



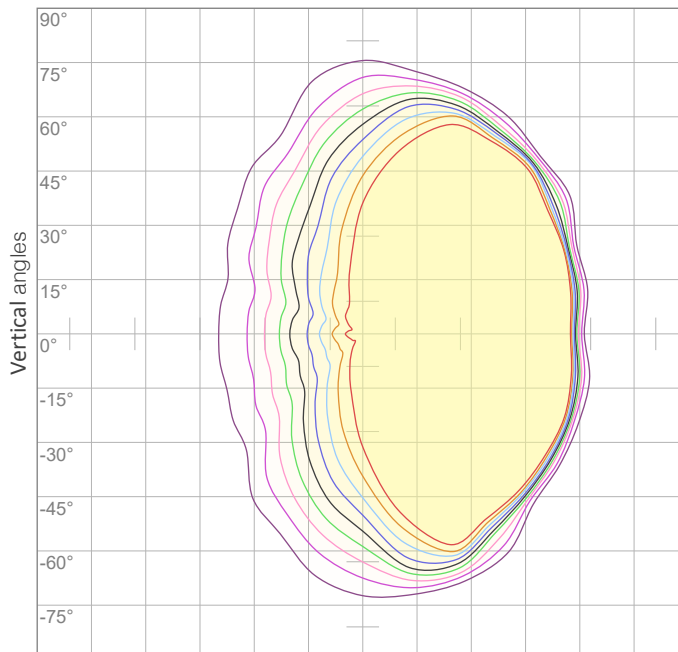
Beam Angle (50%): 76 °
 Field Angle (10%): 123,8 °
 Cutoff Angle (3%): 138,7 °

Photometric Report



TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

POLAR DIAGRAMS



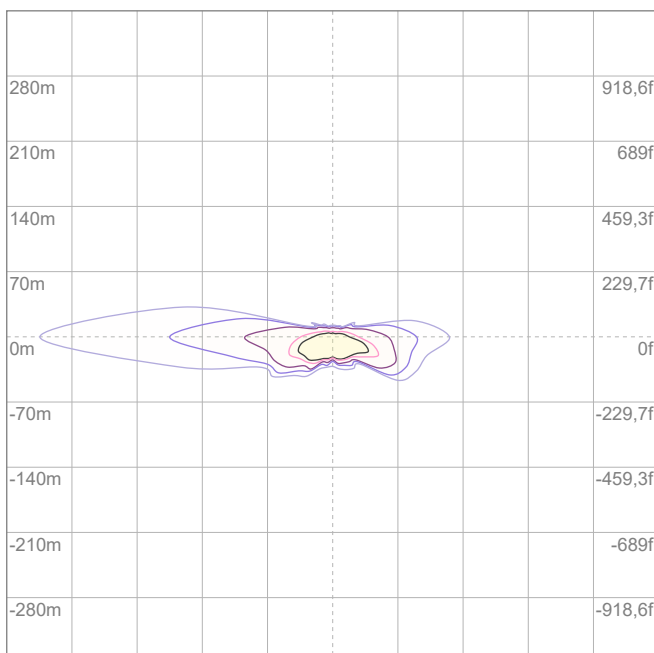
ISO candela diagram

	10%	146 cd
	20%	292 cd
	30%	438 cd
	40%	584 cd
	50%	730 cd
	60%	876 cd
	70%	1022 cd

Conditions:

Number of c-planes: 16

Candela at center: 1460 cd



ISO lux diagram

	3%	0,438 lx
	5%	0,730 lx
	10%	1,46 lx
	30%	4,38 lx
	50%	7,30 lx

Conditions:

Number of c-planes: 16

Lux at center: 14,6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report

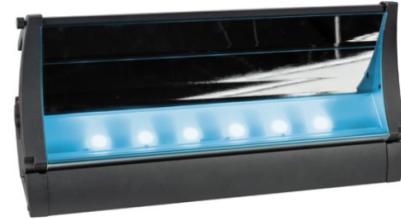


TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

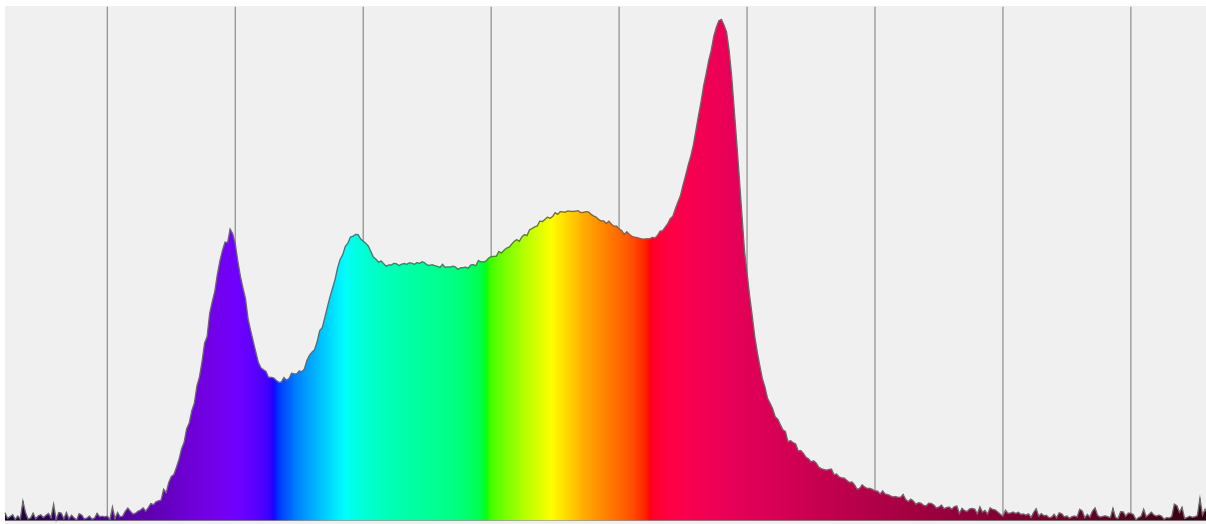
CHROMATICITY REPORT

Total Lumens: 5793 lm
Peak Intensity: 4373 cd
Fixture Efficiency: 45 Lumen/Watt

Color Temperature: 4034 K
CRI: 97,9
CRI R9: 91,3
CQS: 96,6
TM-30 Rf: 94,5
TM-30 Rg: 98,7
 Δuv : 0,0032
1st Dominant Wavelength: 640 nm
2nd Dominant Wavelength: 584 nm



Spectral Distribution



Color

4034 K
CIE 1931 Coordinates:
X: 0,381 Y: 0,384

Color Temperature

4034 K

CRI

97,9

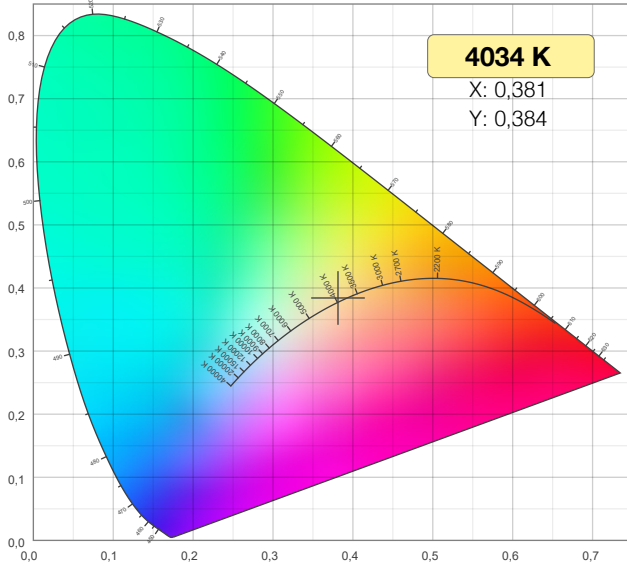
Photometric Report



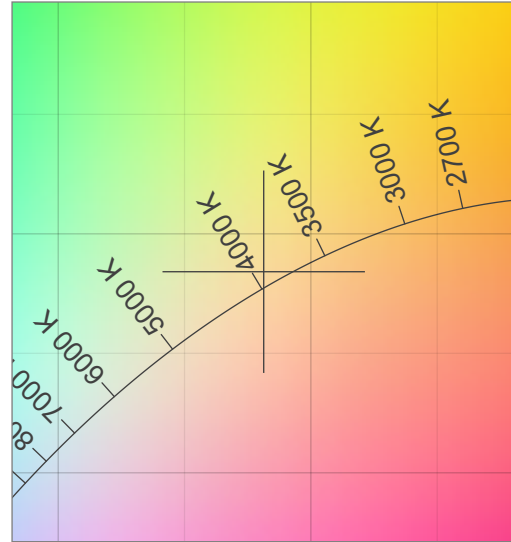
TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

CHROMATICITY

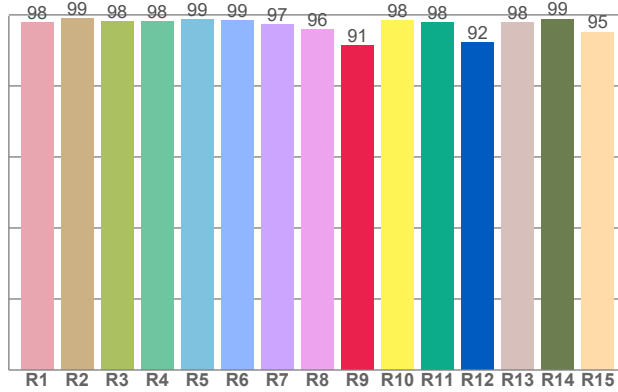
CIE 1931



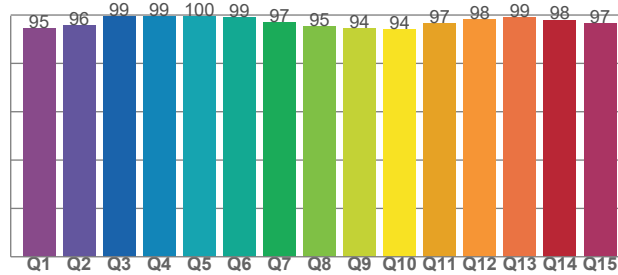
CIE 1931 - Detail



CRI: 97,9 (R1-R8)



CQSI: 96,6



Photometric Report



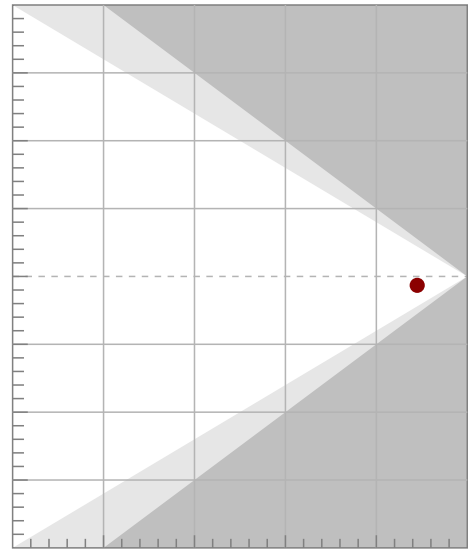
TCYC-7 Cyclorama (4000K-cri), High CRI mode, Ordercode 200300

TM-30-18 DETAILS

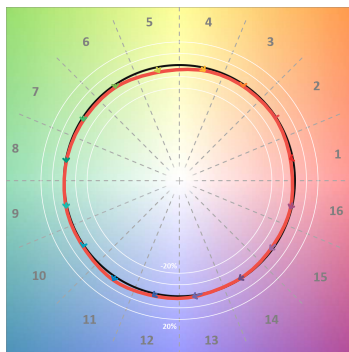
Rf 94,5
Fidelity index Rf

Rg 98,7
Gamut index Rg

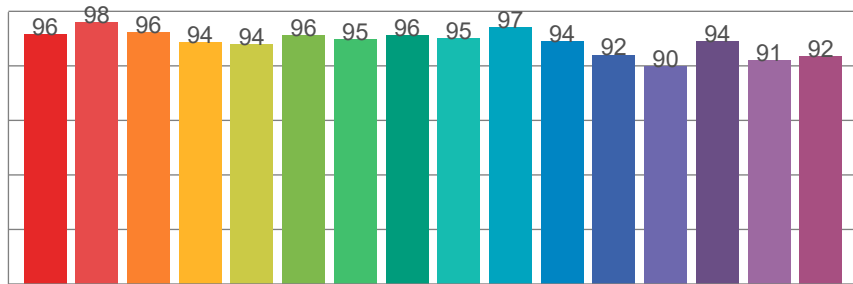
[TM30_BIN_VALUES_START]			
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



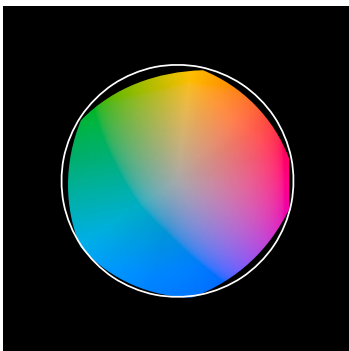
TM30-18 Color Vectors



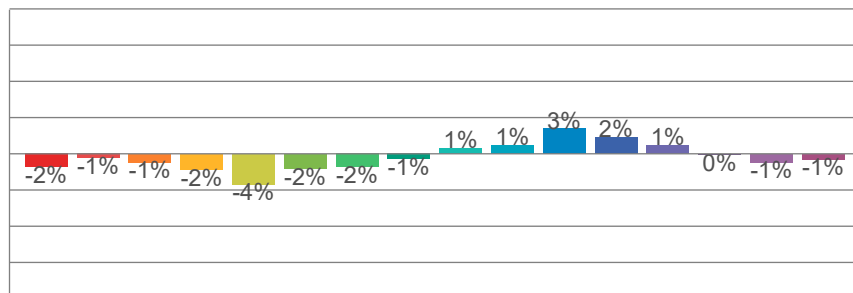
Rf by Hue Bin



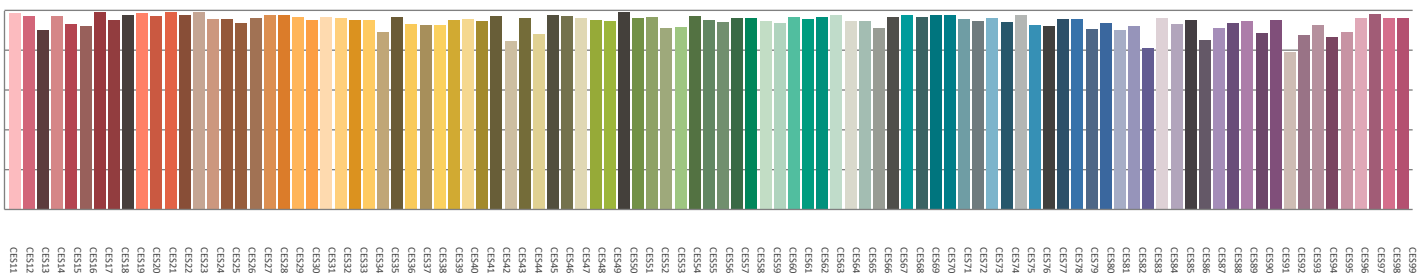
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

REPORT SUMMARY

Output

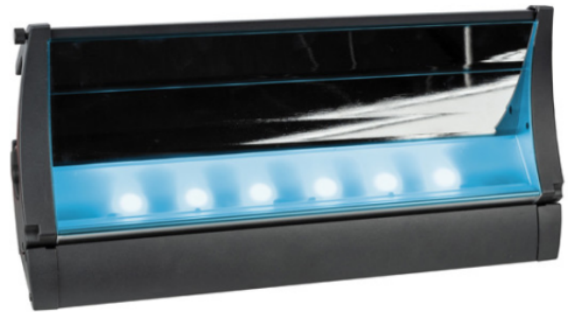
Total Lumens: 6713 Lumen
Peak Intensity: 5034 candela
Illuminance @ 5m: 69 lx
CRI: 97,0
CCT: 3984 K

Optical

Beam Angle (50%) 76,5 °
Field Angle (10%) 123,6 °

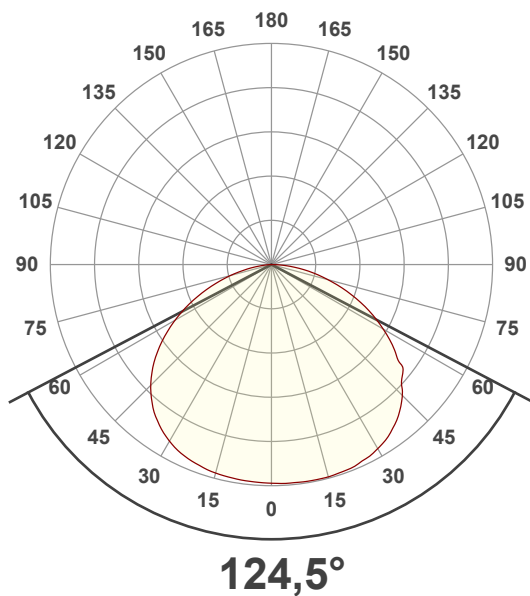
Conditions:

Power Supply: 226 V
Power: 156,2 W
Current: 0,772 A
Power Factor: 0,9

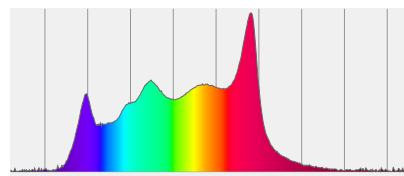


MEASUREMENTS

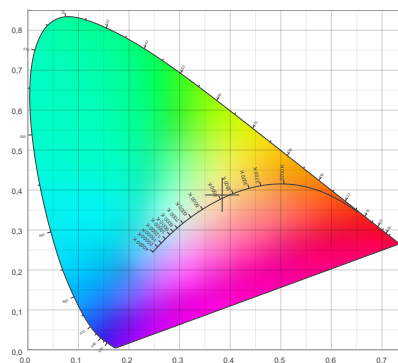
Angular Beam Distribution



Spectral Distribution



CIE 1931

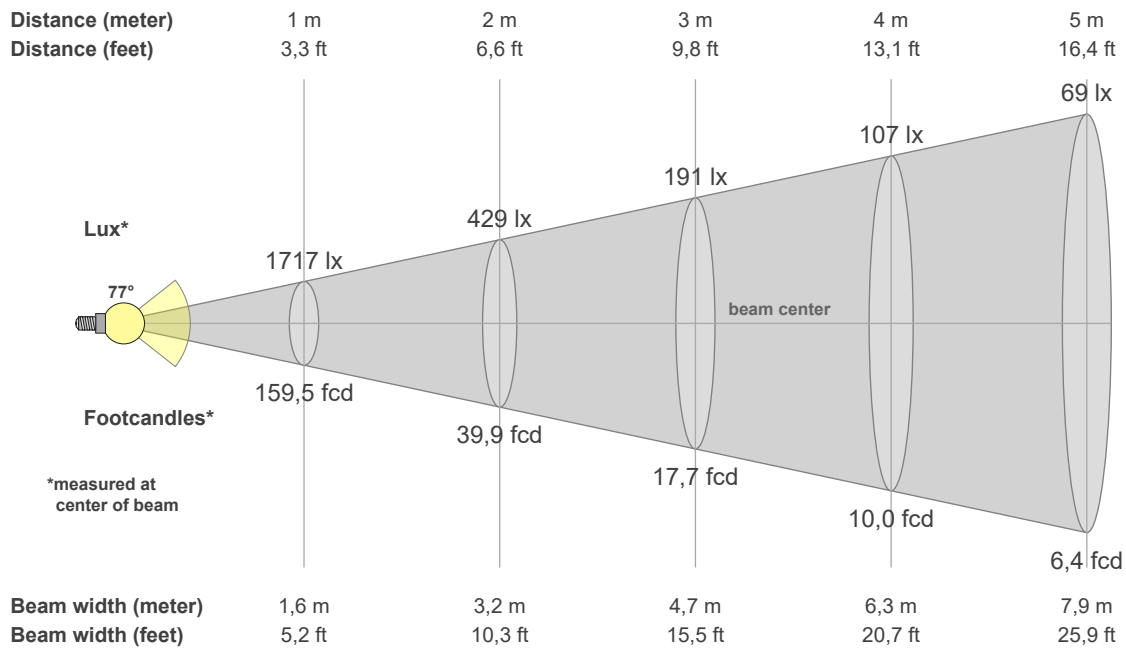


Photometric Report



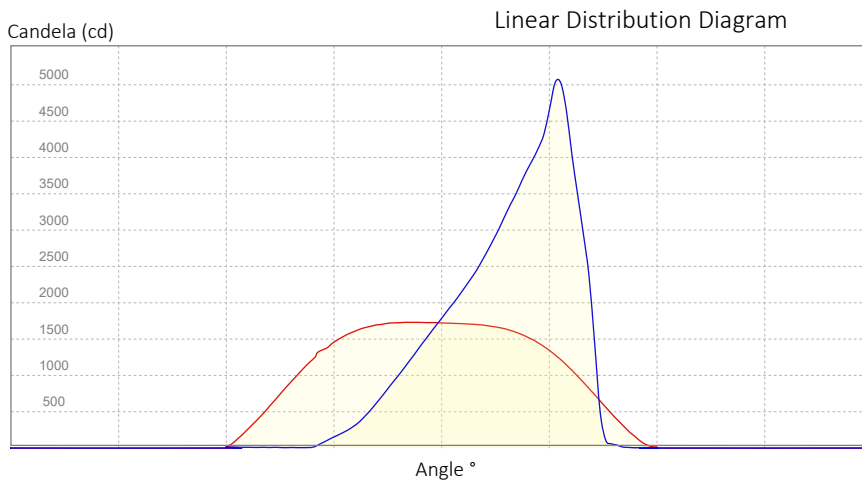
TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1717lx	429lx	191lx	107lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
159,5fcd	39,9fcd	17,7fcd	10fcd	6,4fcd	4,4fcd	3,3fcd	2,5fcd	2fcd	1,6fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd



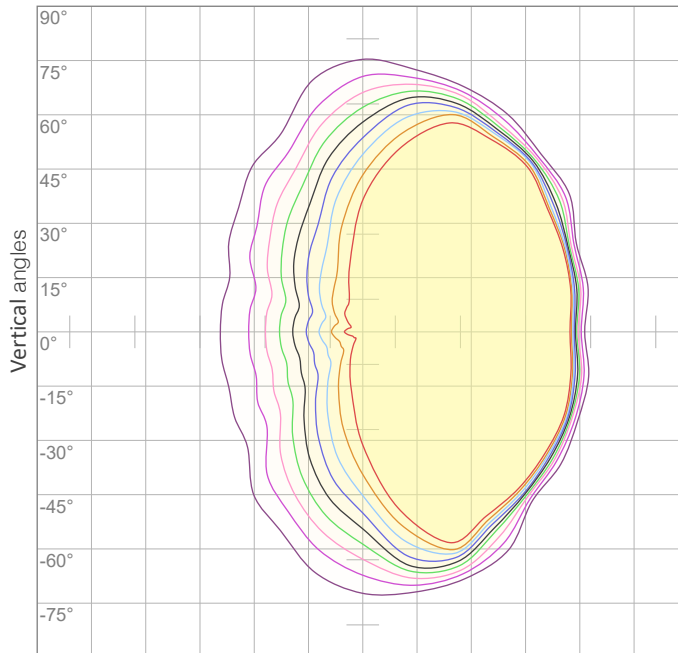
Beam Angle (50%): 76,5 °
 Field Angle (10%): 123,6 °
 Cutoff Angle (3%): 138,4 °

Photometric Report



TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

POLAR DIAGRAMS



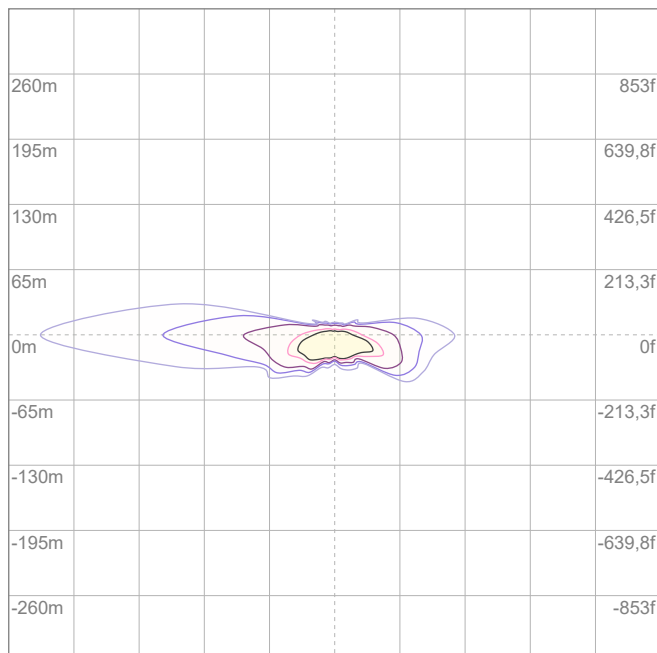
ISO candela diagram

	10%	172 cd
	20%	343 cd
	30%	515 cd
	40%	687 cd
	50%	858 cd
	60%	1030 cd
	70%	1202 cd

Conditions:

Number of c-planes: 16

Candela at center: 1717 cd



ISO lux diagram

	3%	0,515 lx
	5%	0,858 lx
	10%	1,72 lx
	30%	5,15 lx
	50%	8,58 lx

Conditions:

Number of c-planes: 16

Lux at center: 17,2 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

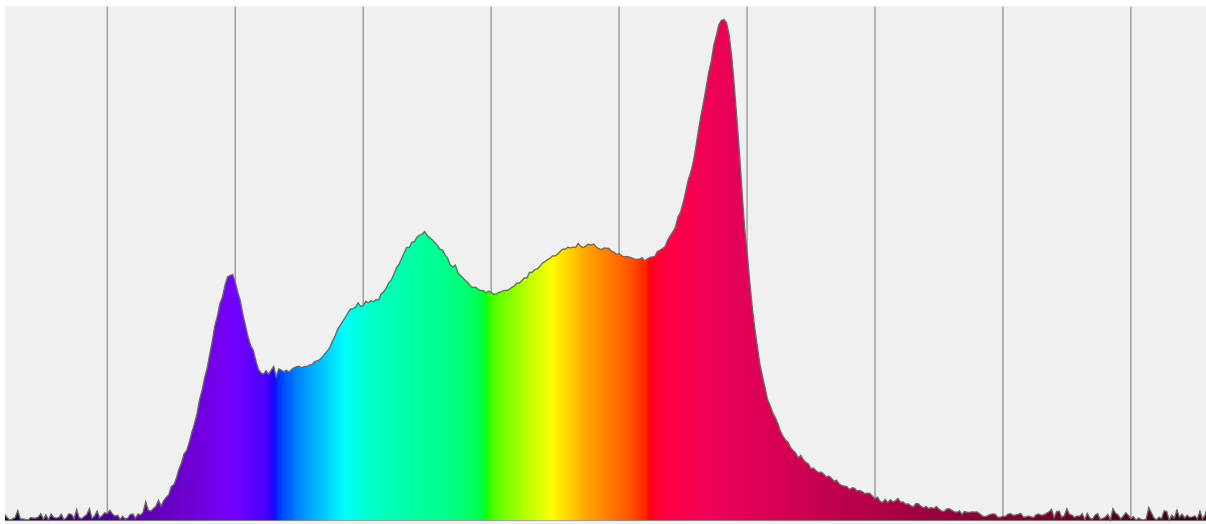
CHROMATICITY REPORT

Total Lumens: 6713 lm
Peak Intensity: 5034 cd
Fixture Efficiency: 43 Lumen/Watt

Color Temperature: 3984 K
CRI: 97,0
CRI R9: 91,4
CQS: 95,5
TM-30 Rf: 94,1
TM-30 Rg: 100,2
 Δuv : 0,0039
1st Dominant Wavelength: 641 nm
2nd Dominant Wavelength: 524 nm



Spectral Distribution



Color

3984 K
CIE 1931 Coordinates:
X: 0,384 Y: 0,388

Color Temperature

3984 K

CRI

97,0

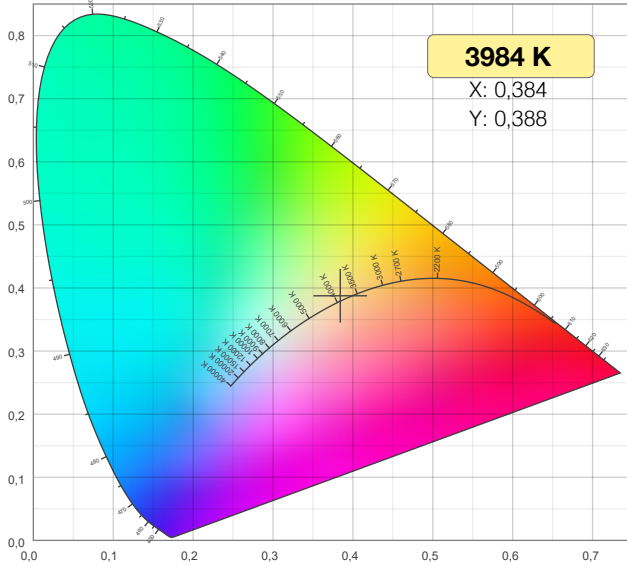
Photometric Report



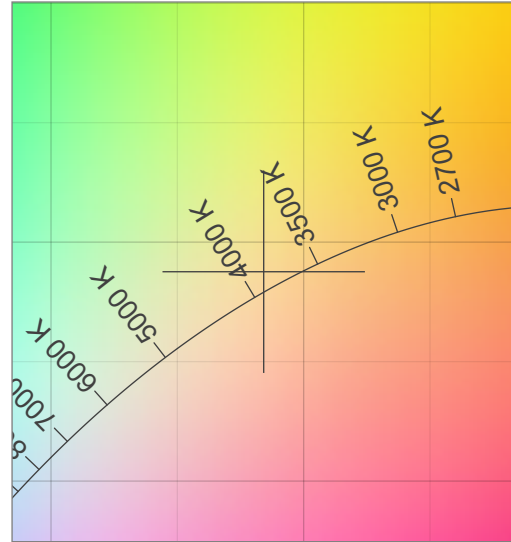
TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

CHROMATICITY

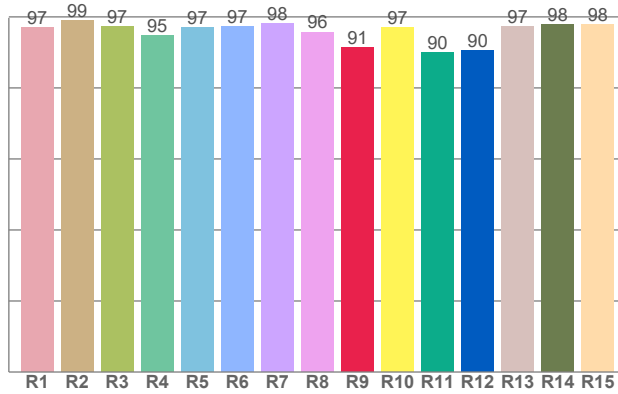
CIE 1931



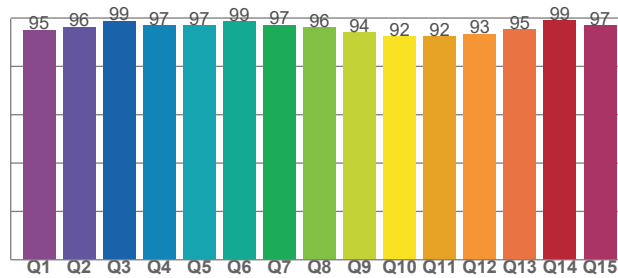
CIE 1931 - Detail



CRI: 97,0 (R1-R8)



CQSI: 95,5



Photometric Report



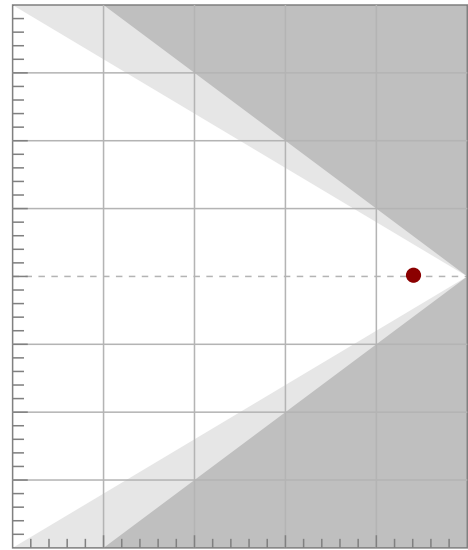
TCYC-7 Cyclorama (4000K-high), High output mode, Ordercode 200300

TM-30-18 DETAILS

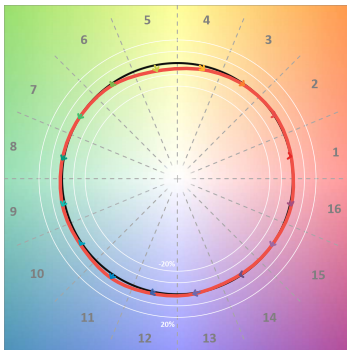
Rf 94,1
Fidelity index Rf

Rg 100,2
Gamut index Rg

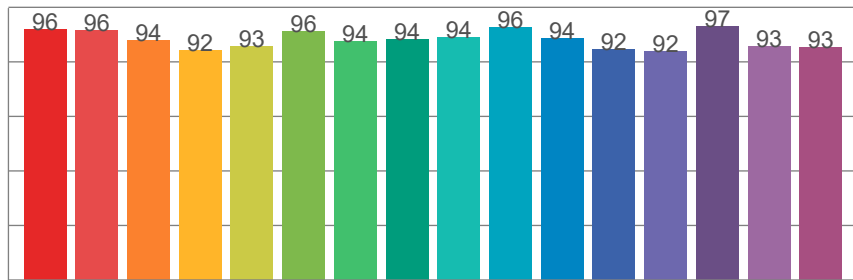
[TM30_BIN_VALUES_START]			
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



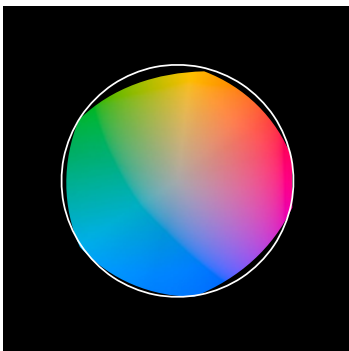
TM30-18 Color Vectors



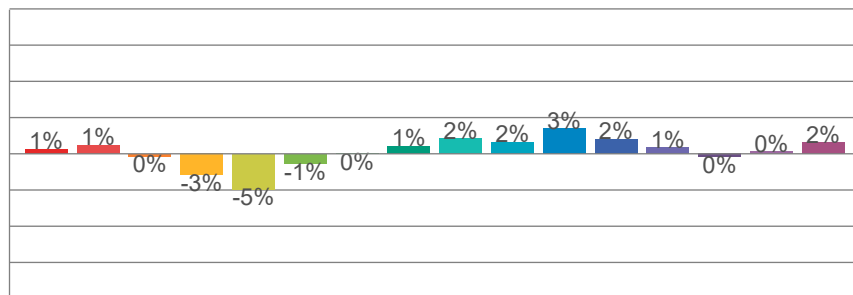
Rf by Hue Bin



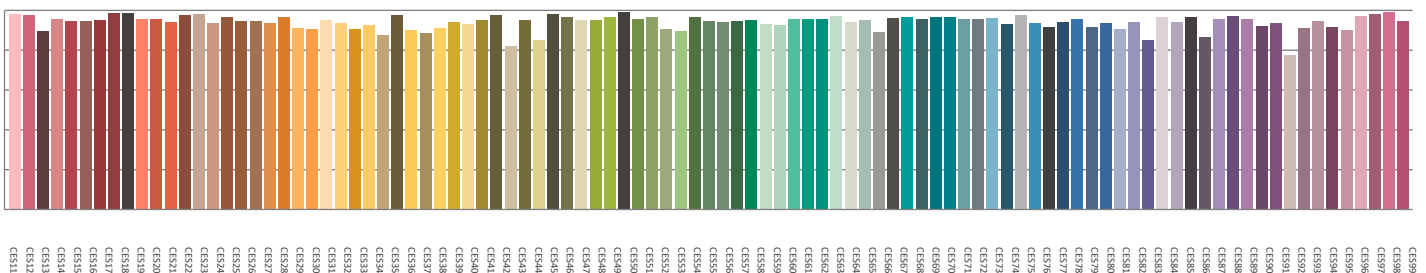
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

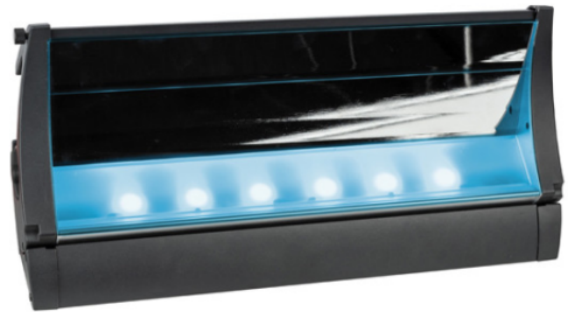
REPORT SUMMARY

Output

Total Lumens: 5140 Lumen
Peak Intensity: 3921 candela
Illuminance @ 5m: 52 lx
CRI: 97,0
CCT: 5859 K

Optical

Beam Angle (50%) 75,8 °
Field Angle (10%) 123,6 °

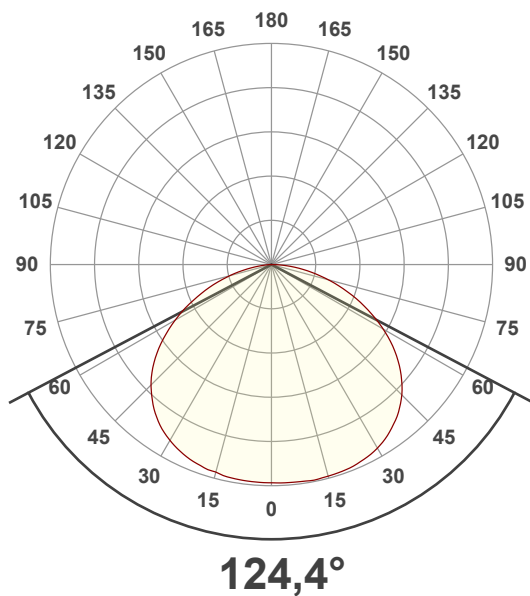


Conditions:

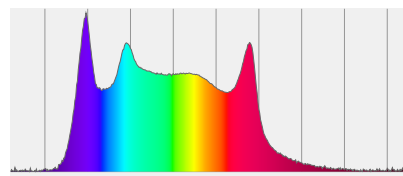
Power Supply: 227 V
Power: 116,4 W
Current: 0,611 A
Power Factor: 0,84

MEASUREMENTS

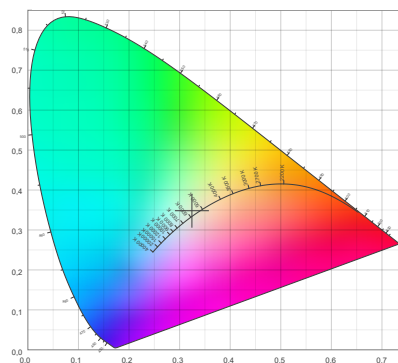
Angular Beam Distribution



Spectral Distribution



CIE 1931

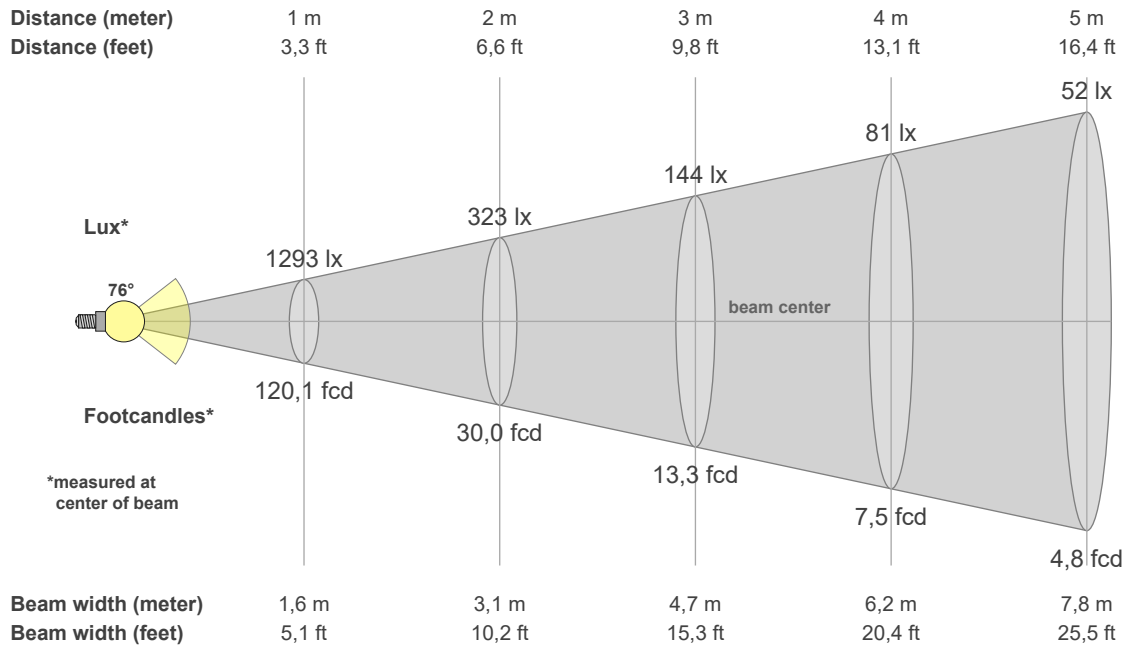


Photometric Report



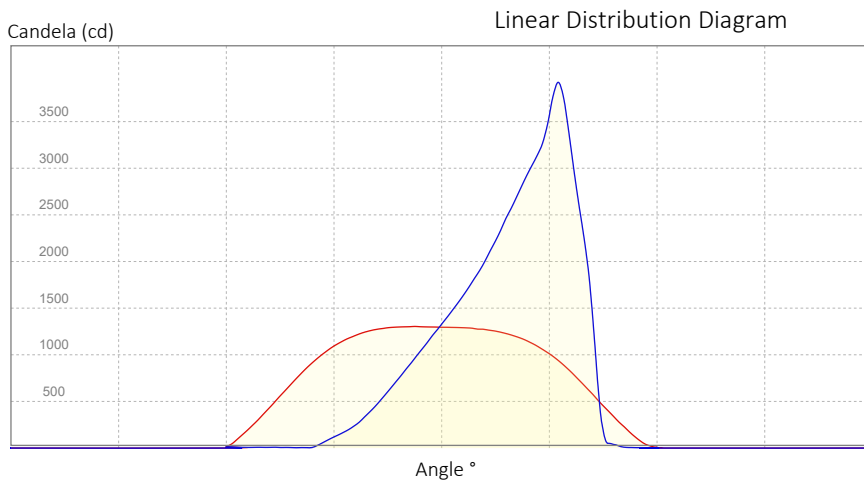
TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1293lx	323lx	144lx	81lx	52lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
120,1fcd	30fcd	13,3fcd	7,5fcd	4,8fcd	3,3fcd	2,5fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd



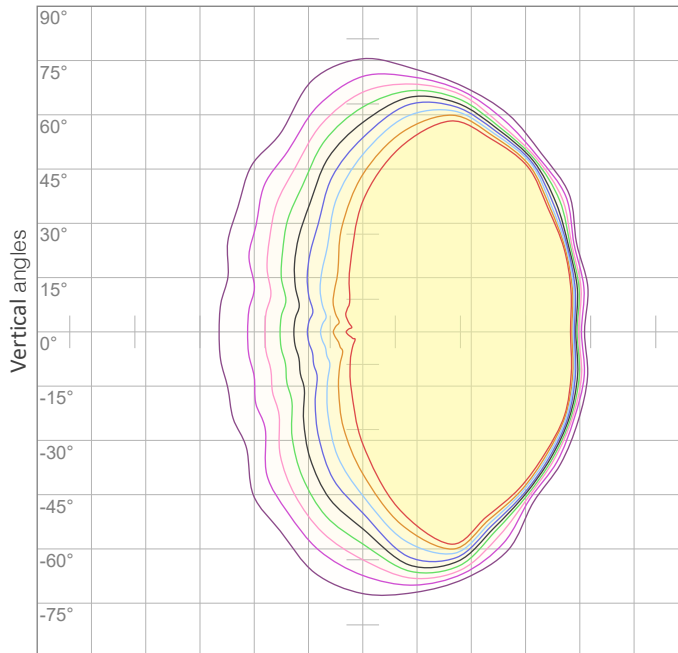
Beam Angle (50%): 75,8 °
 Field Angle (10%): 123,6 °
 Cutoff Angle (3%): 138,4 °

Photometric Report



TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

POLAR DIAGRAMS



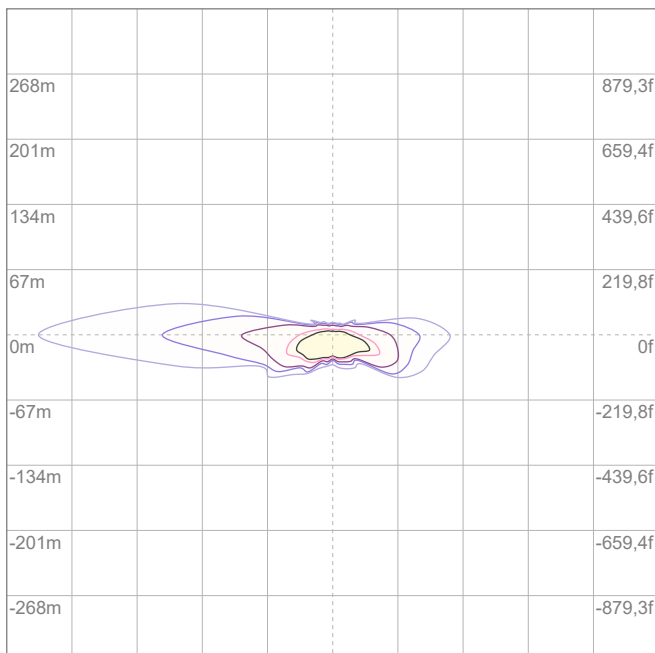
ISO candela diagram

	10%	129 cd
	20%	259 cd
	30%	388 cd
	40%	517 cd
	50%	646 cd
	60%	776 cd
	70%	905 cd

Conditions:

Number of c-planes: 16

Candela at center: 1293 cd



ISO lux diagram

	3%	0,388 lx
	5%	0,646 lx
	10%	1,29 lx
	30%	3,88 lx
	50%	6,46 lx

Conditions:

Number of c-planes: 16

Lux at center: 12,9 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

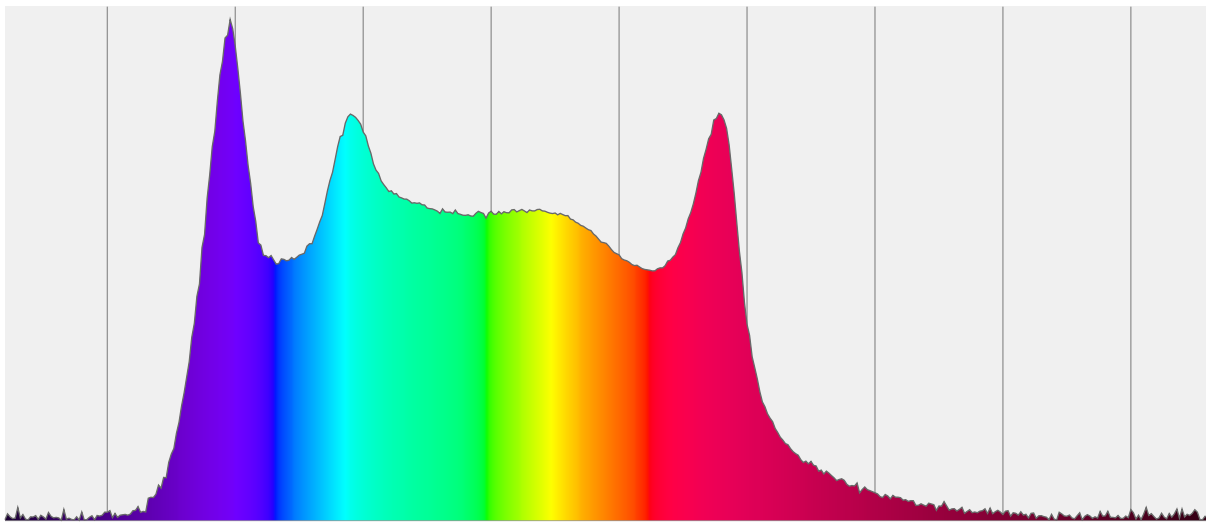
CHROMATICITY REPORT

Total Lumens: 5140 lm
Peak Intensity: 3921 cd
Fixture Efficiency: 44 Lumen/Watt

Color Temperature: 5859 K
CRI: 97,0
CRI R9: 89,0
CQS: 96,2
TM-30 Rf: 93,8
TM-30 Rg: 98,2
 Δuv : 0,0040
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 639 nm



Spectral Distribution



Color

5859 K
CIE 1931 Coordinates:
X: 0,324 Y: 0,348

Color Temperature

5859 K

CRI

97,0

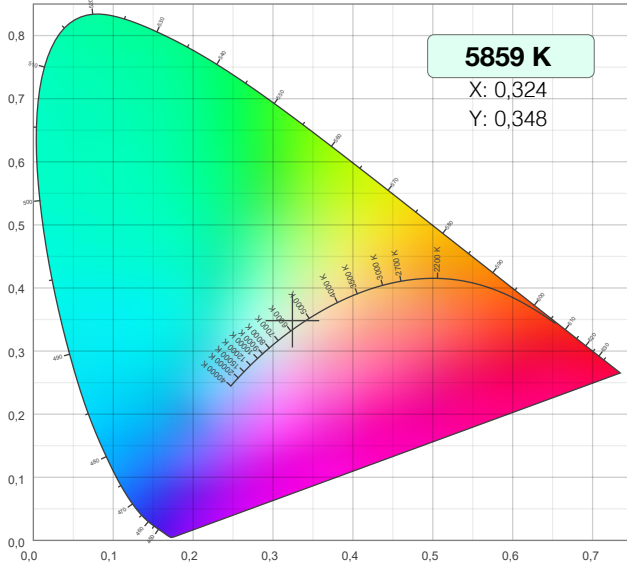
Photometric Report



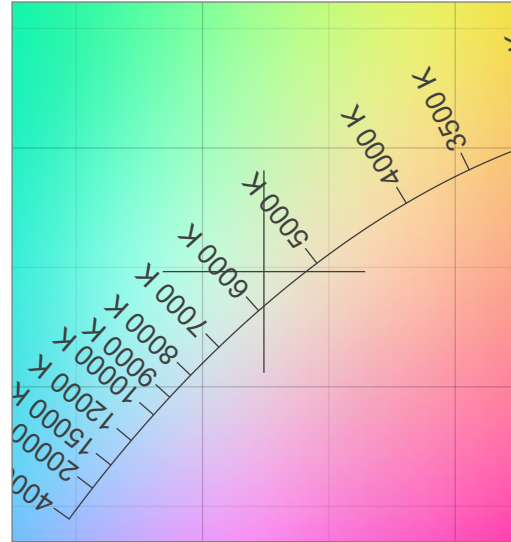
TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

CHROMATICITY

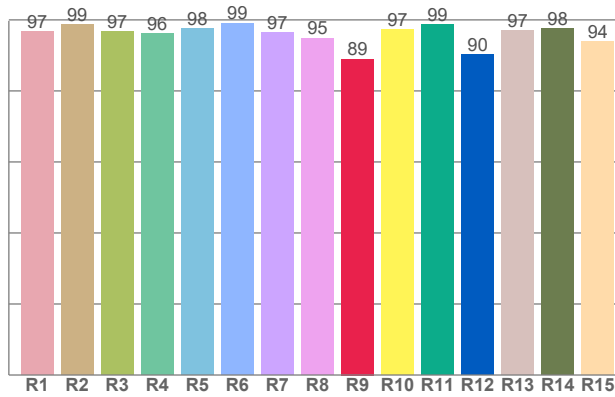
CIE 1931



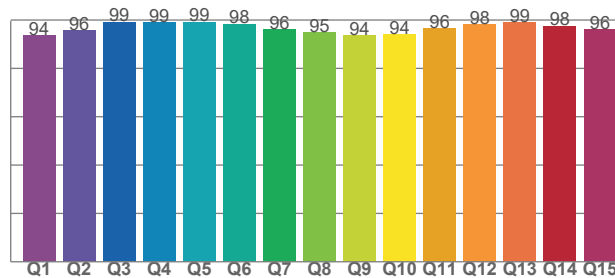
CIE 1931 - Detail



CRI: 97,0 (R1-R8)



CQSI: 96,2



Photometric Report



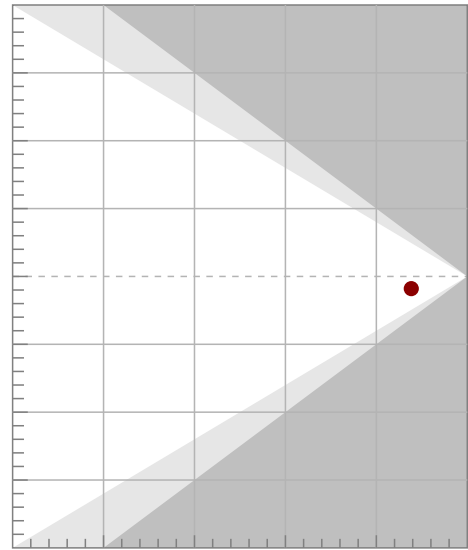
TCYC-7 Cyclorama (6000K-cri), High CRI mode, Ordercode 200300

TM-30-18 DETAILS

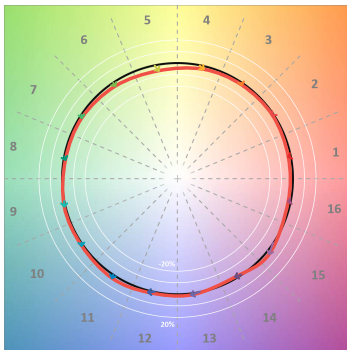
Rf 93,8
Fidelity index Rf

Rg 98,2
Gamut index Rg

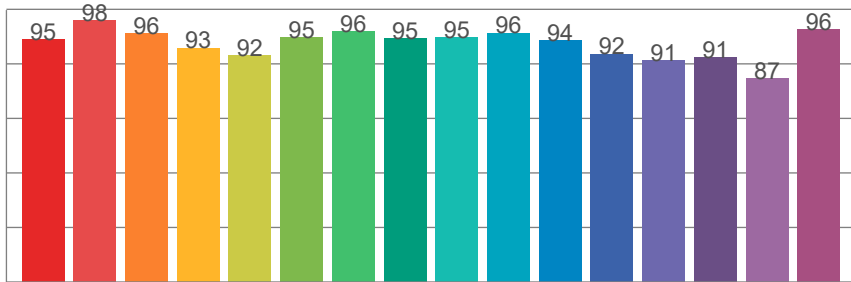
[TM30_BIN_VALUES_START]			
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



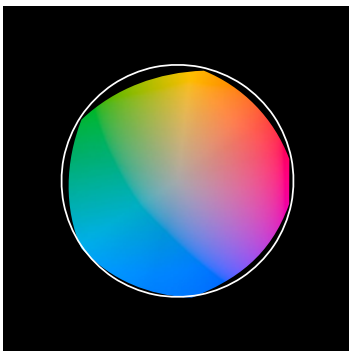
TM30-18 Color Vectors



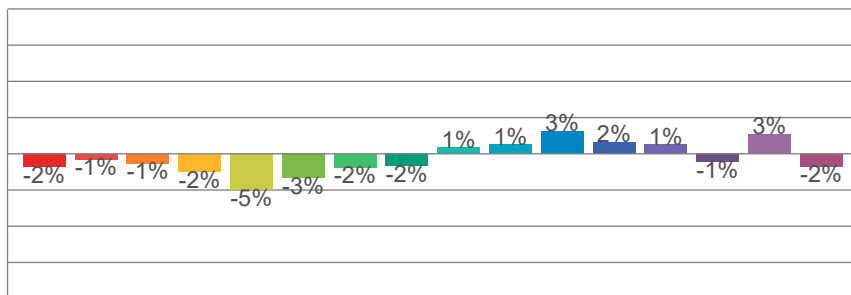
Rf by Hue Bin



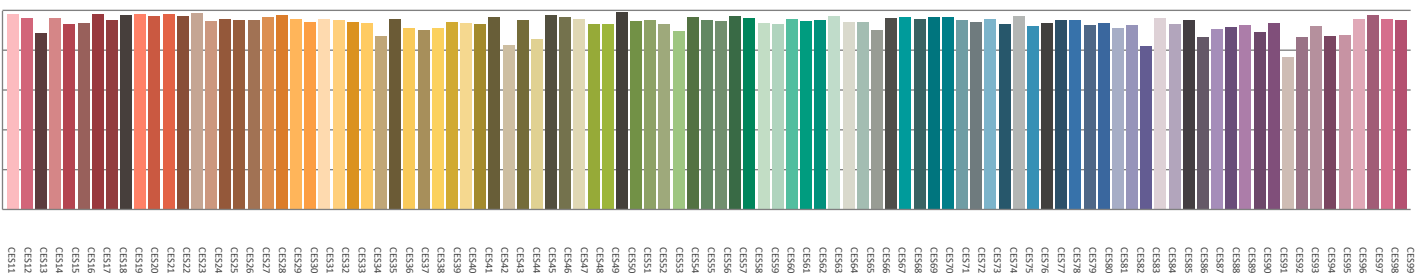
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

REPORT SUMMARY

Output

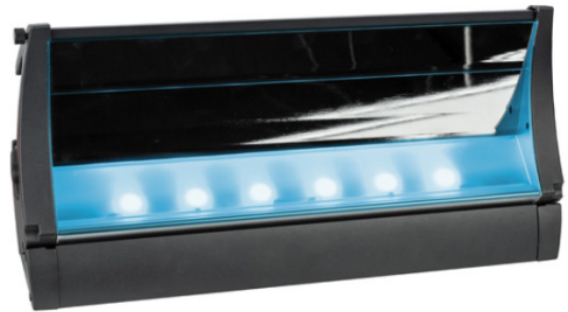
Total Lumens: 6334 Lumen
Peak Intensity: 4712 candela
Illuminance @ 5m: 65 lx
CRI: 95,0
CCT: 5759 K

Optical

Beam Angle (50%) 76,9 °
Field Angle (10%) 123,9 °

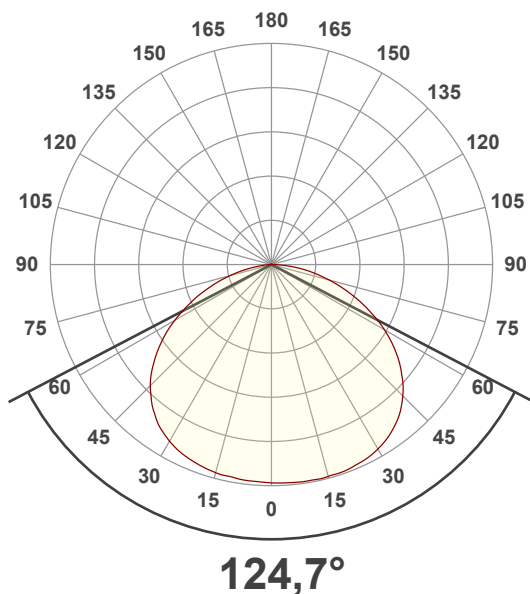
Conditions:

Power Supply: 226 V
Power: 155,1 W
Current: 0,767 A
Power Factor: 0,9

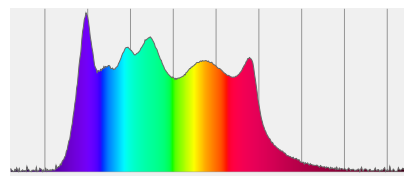


MEASUREMENTS

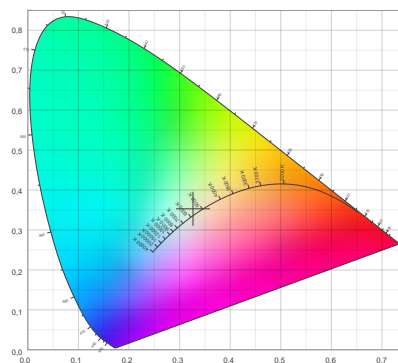
Angular Beam Distribution



Spectral Distribution



CIE 1931

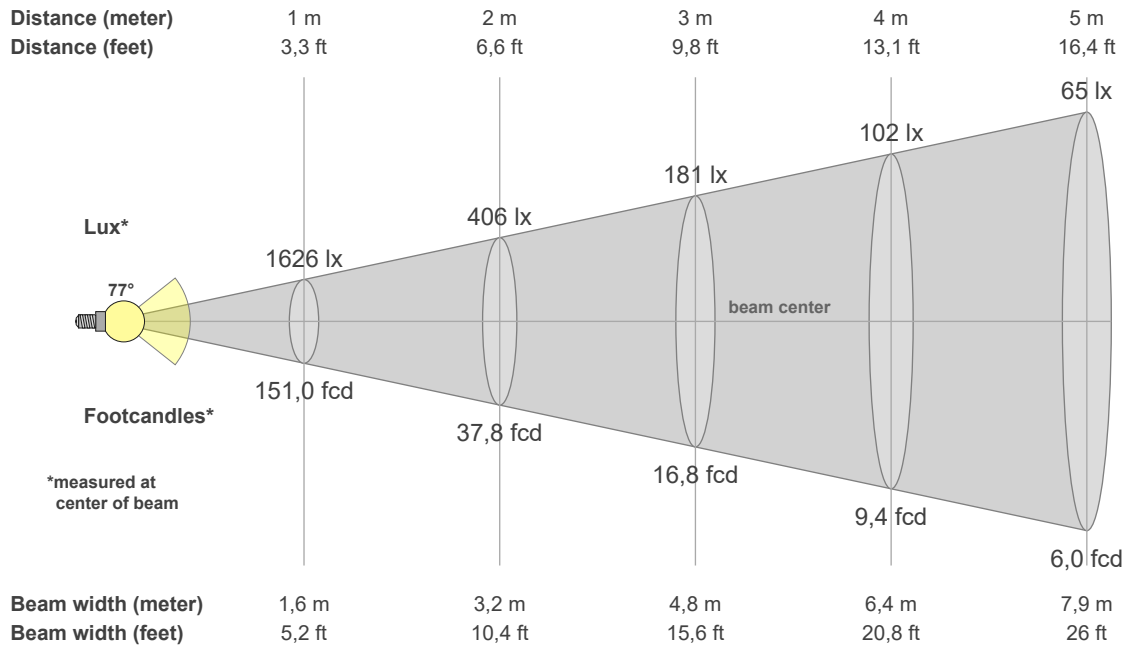


Photometric Report



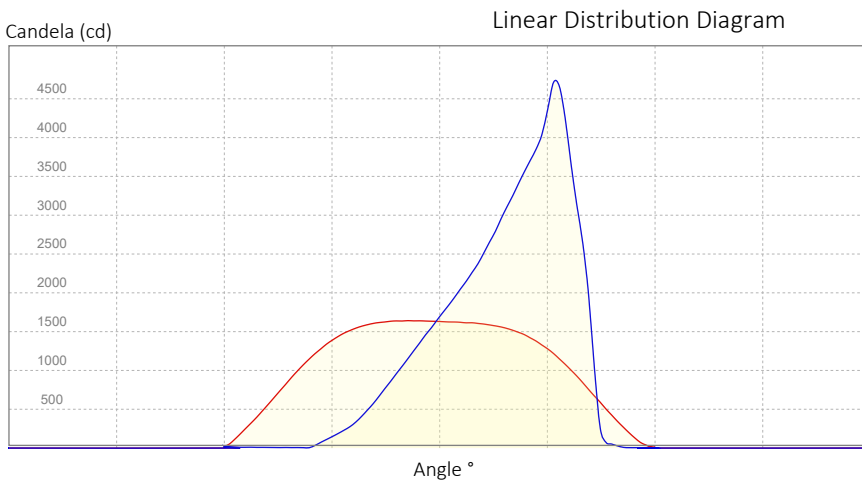
TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1626lx	406lx	181lx	102lx	65lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	5lx	4lx
151fcd	37,8fcd	16,8fcd	9,4fcd	6fcd	4,2fcd	3,1fcd	2,4fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd



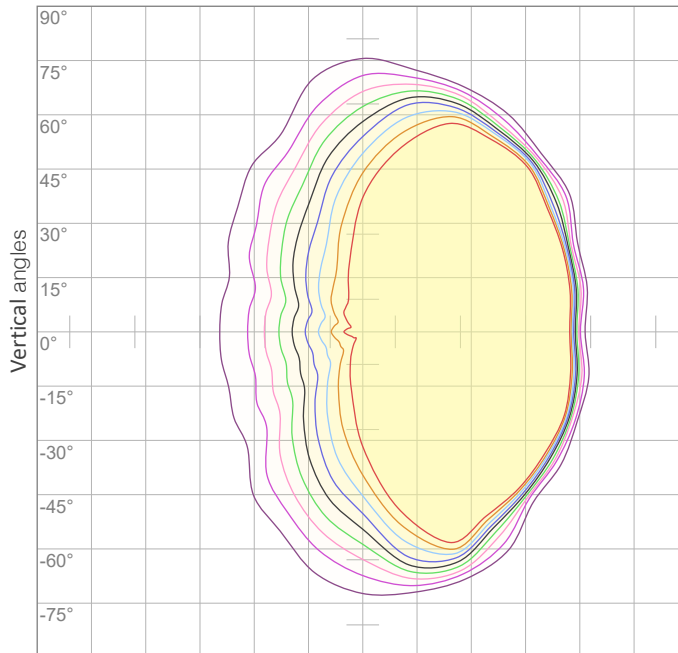
Beam Angle (50%): 76,9 °
 Field Angle (10%): 123,9 °
 Cutoff Angle (3%): 138,6 °

Photometric Report



TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

POLAR DIAGRAMS



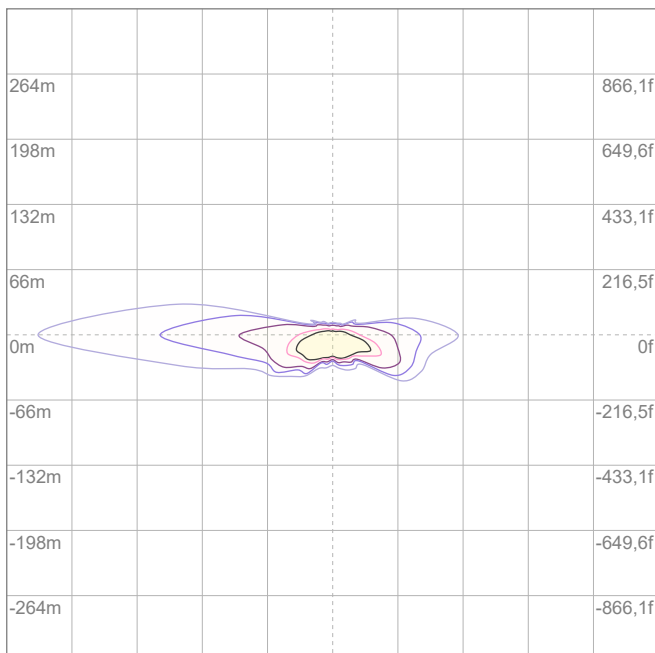
ISO candela diagram

	10%	163 cd
	20%	325 cd
	30%	488 cd
	40%	650 cd
	50%	813 cd
	60%	975 cd
	60%	975 cd
	70%	1138 cd

Conditions:

Number of c-planes: 16

Candela at center: 1626 cd



ISO lux diagram

	3%	0,488 lx
	5%	0,813 lx
	10%	1,63 lx
	30%	4,88 lx
	50%	8,13 lx

Conditions:

Number of c-planes: 16

Lux at center: 16,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

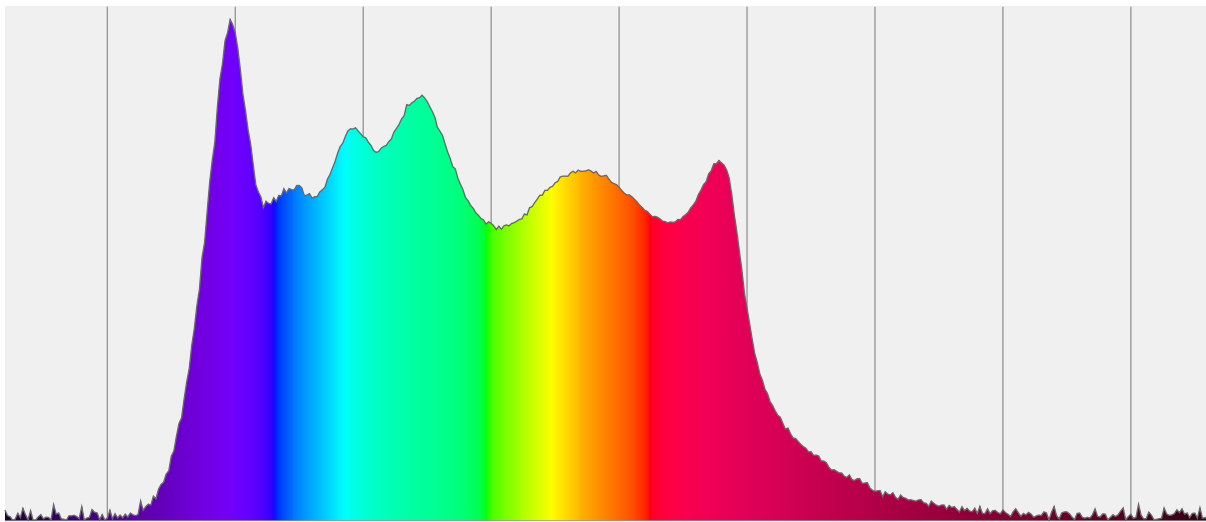
CHROMATICITY REPORT

Total Lumens: 6334 lm
Peak Intensity: 4712 cd
Fixture Efficiency: 41 Lumen/Watt

Color Temperature: 5759 K
CRI: 95,0
CRI R9: 68,6
CQS: 93,4
TM-30 Rf: 91,9
TM-30 Rg: 97,0
 Δuv : 0,0054
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 523 nm



Spectral Distribution



Color

5759 K

CIE 1931 Coordinates:
X: 0,326 Y: 0,353

Color Temperature

5759 K

CRI

95,0

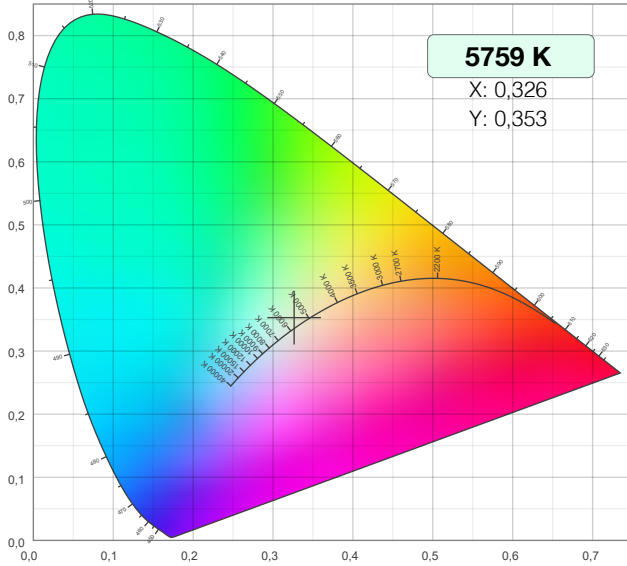
Photometric Report



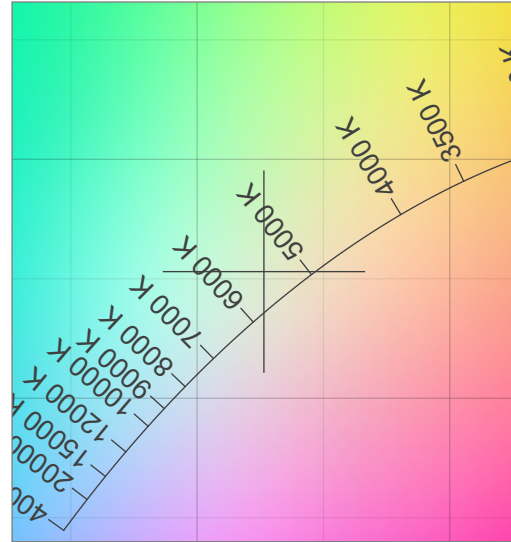
TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

CHROMATICITY

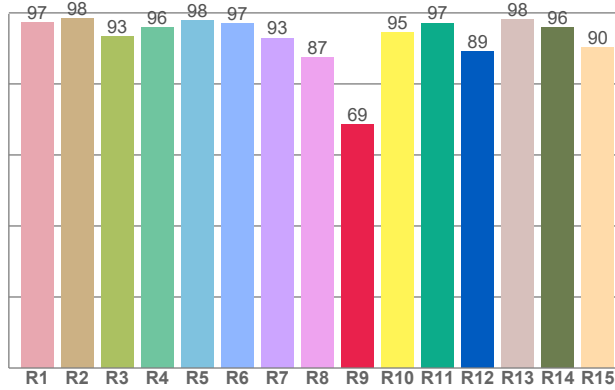
CIE 1931



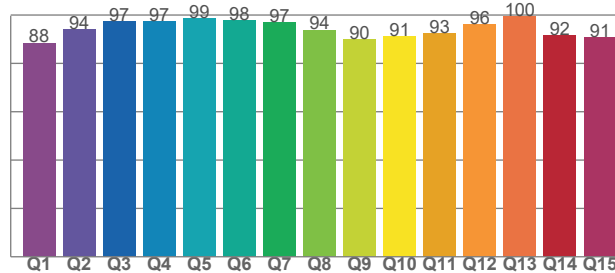
CIE 1931 - Detail



CRI: 95,0 (R1-R8)



CQSI: 93,4



Photometric Report



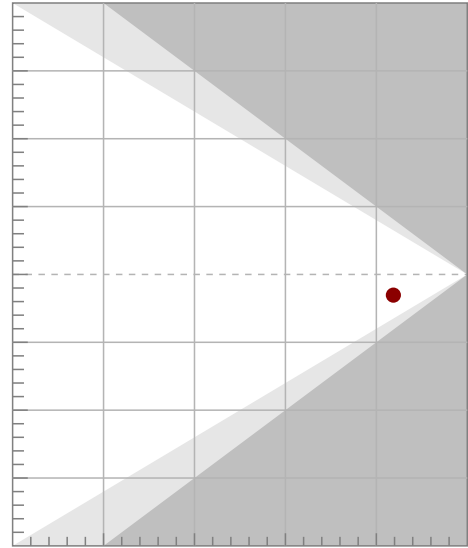
TCYC-7 Cyclorama (6000K-high), High output mode, Ordercode 200300

TM-30-18 DETAILS

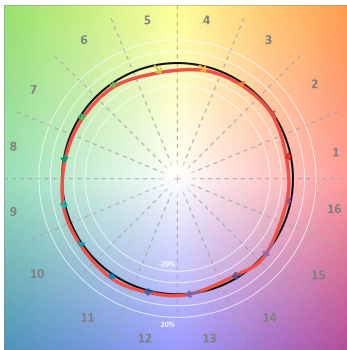
Rf 91,9
Fidelity index Rf

Rg 97,0
Gamut index Rg

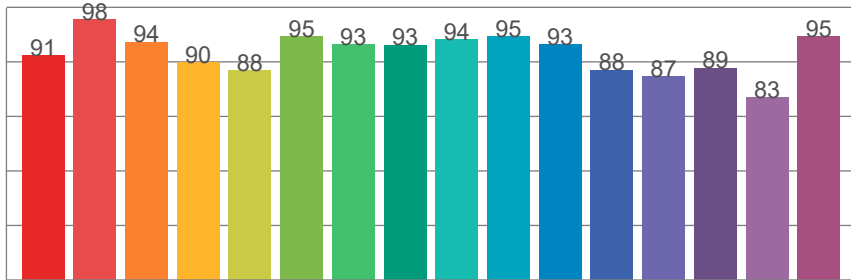
TM30_BIN_VALUES_START			
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
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11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



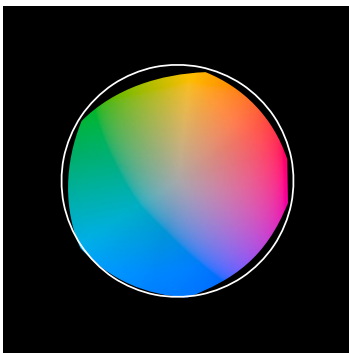
TM30-18 Color Vectors



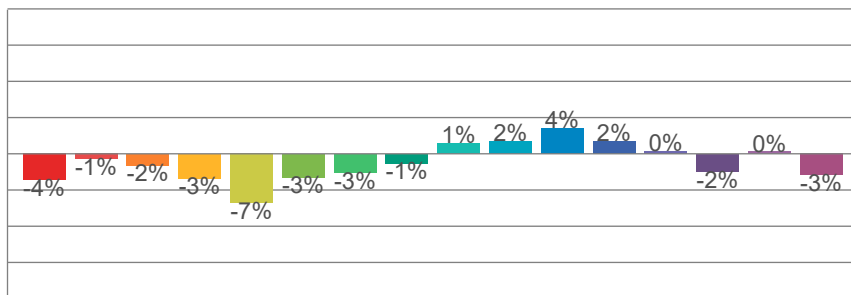
Rf by Hue Bin



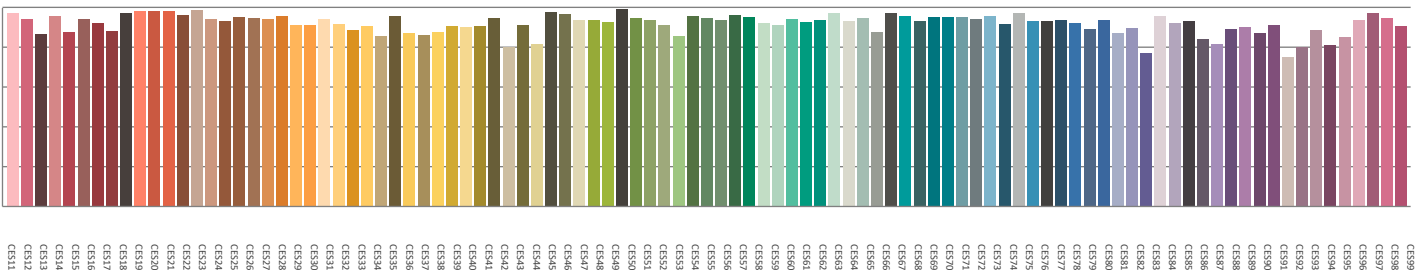
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



Photometric Report



TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

REPORT SUMMARY

Output

Total Lumens: 6629 Lumen
Peak Intensity: 4973 candela
Illuminance @ 5m: 68 lx
CRI: 80,6
CCT: 5369 K

Optical

Beam Angle (50%) 76,9 °
Field Angle (10%) 123,6 °

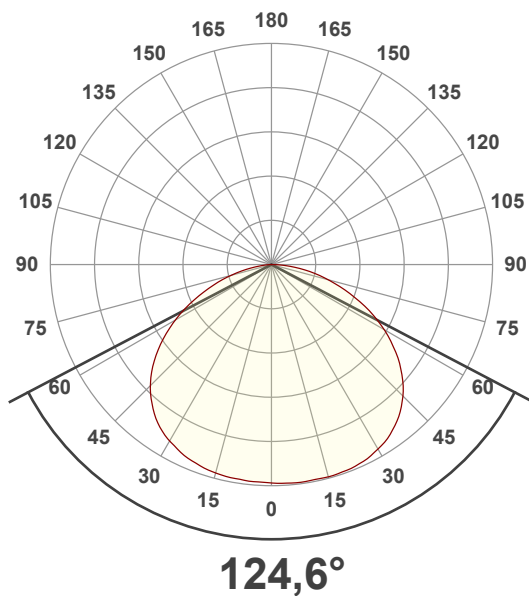
Conditions:

Power Supply: 224 V
Power: 165,4 W
Current: 0,813 A
Power Factor: 0,91

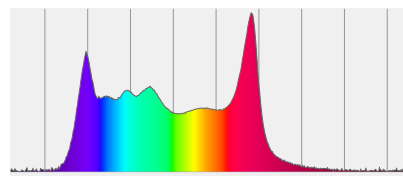


MEASUREMENTS

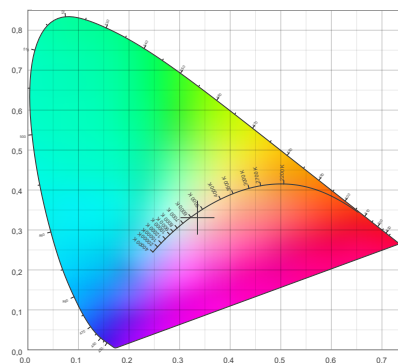
Angular Beam Distribution



Spectral Distribution



CIE 1931

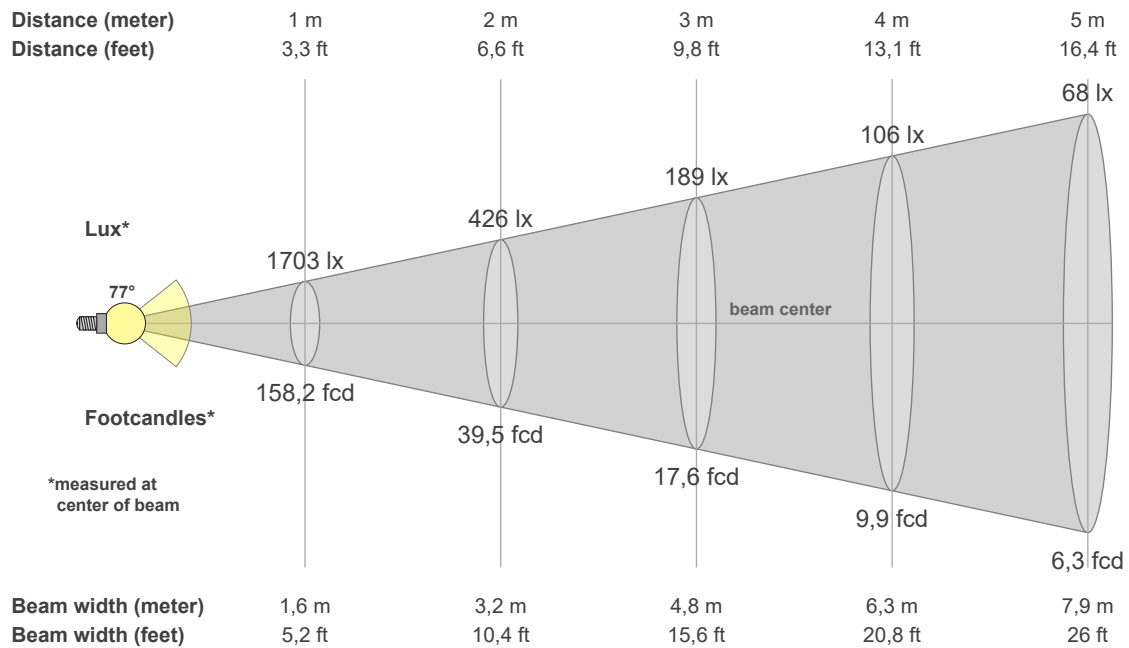


Photometric Report



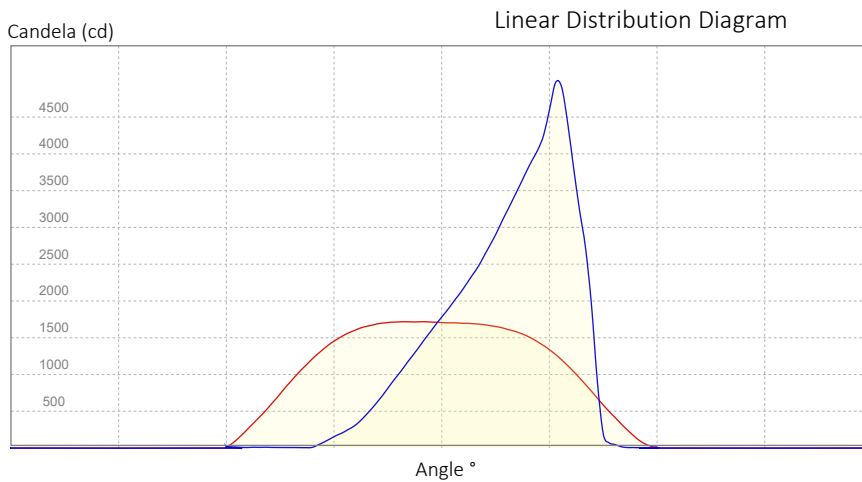
TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

BEAM DETAILS



Beam Illuminances 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
1703lx	426lx	189lx	106lx	68lx	47lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
158,2fcd	39,5fcd	17,6fcd	9,9fcd	6,3fcd	4,4fcd	3,2fcd	2,5fcd	2fcd	1,6fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd



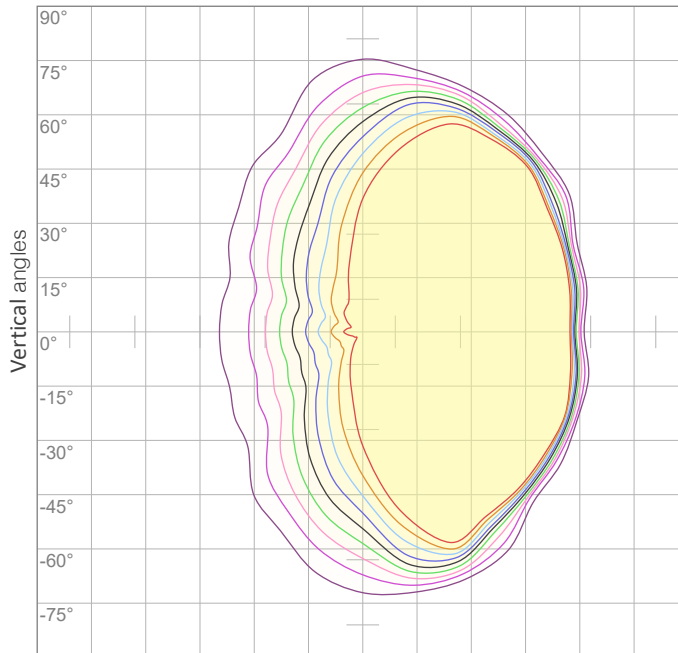
Beam Angle (50%): 76,9 °
 Field Angle (10%): 123,6 °
 Cutoff Angle (3%): 138,6 °

Photometric Report



TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

POLAR DIAGRAMS



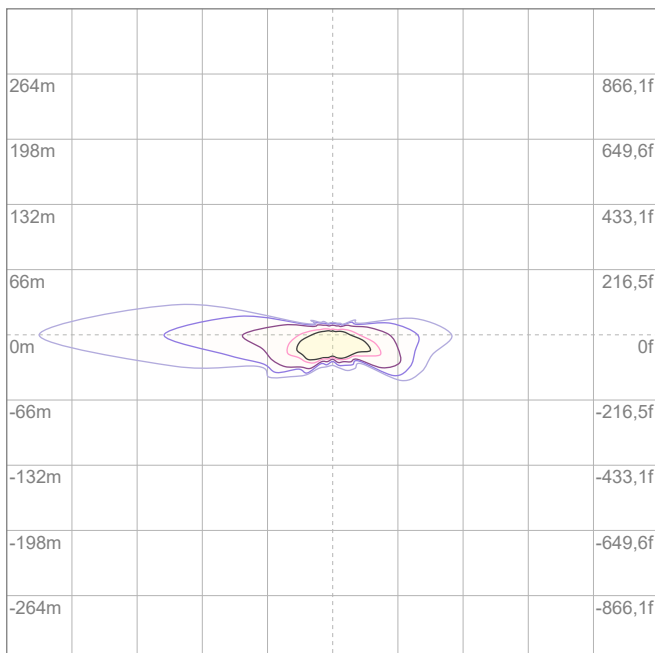
ISO candela diagram

	10%	170 cd
	20%	341 cd
	30%	511 cd
	40%	681 cd
	50%	851 cd
	60%	1022 cd
	70%	1192 cd

Conditions:

Number of c-planes: 16

Candela at center: 1703 cd



ISO lux diagram

	3%	0,511 lx
	5%	0,851 lx
	10%	1,70 lx
	30%	5,11 lx
	50%	8,51 lx

Conditions:

Number of c-planes: 16

Lux at center: 17,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report

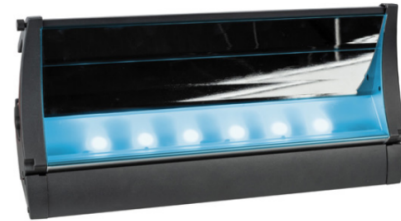


TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

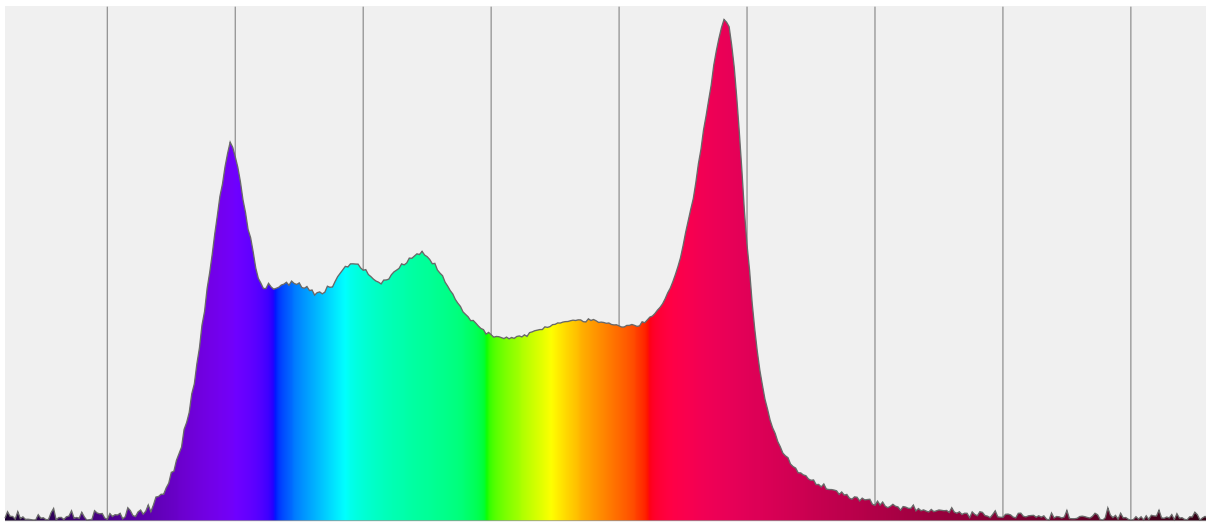
CHROMATICITY REPORT

Total Lumens: 6629 lm
Peak Intensity: 4973 cd
Fixture Efficiency: 40 Lumen/Watt

Color Temperature: 5369 K
CRI: 80,6
CRI R9: 5,6
CQS: 90,5
TM-30 Rf: 87,7
TM-30 Rg: 107,2
 Δuv : -0,0099
1st Dominant Wavelength: 641 nm
2nd Dominant Wavelength: 448 nm



Spectral Distribution



Color

5369 K
CIE 1931 Coordinates:
X: 0,335 Y: 0,331

Color Temperature

5369 K

CRI

80,6

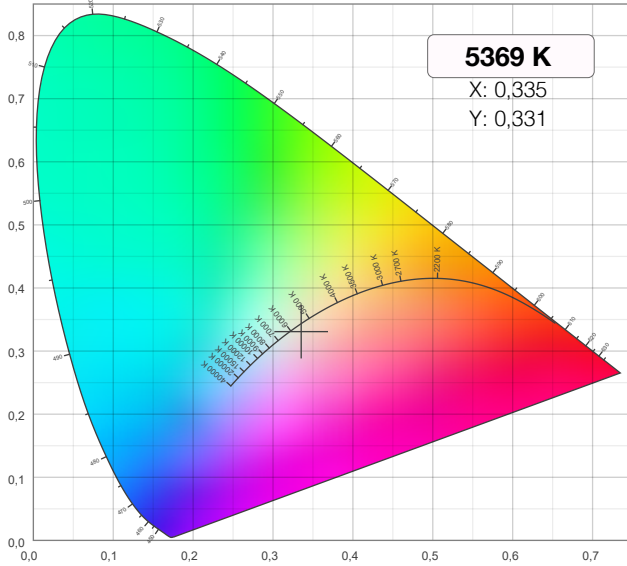
Photometric Report



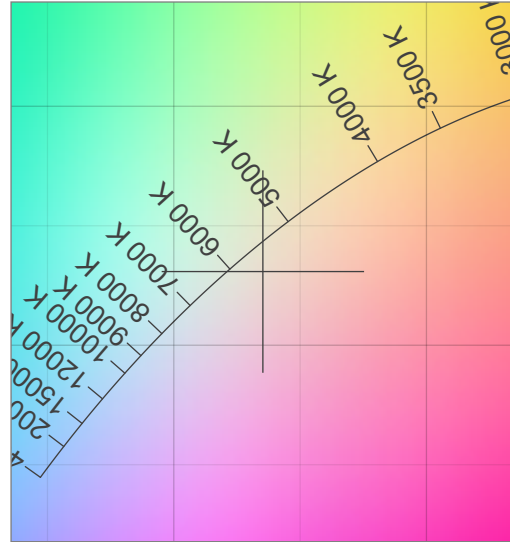
TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

CHROMATICITY

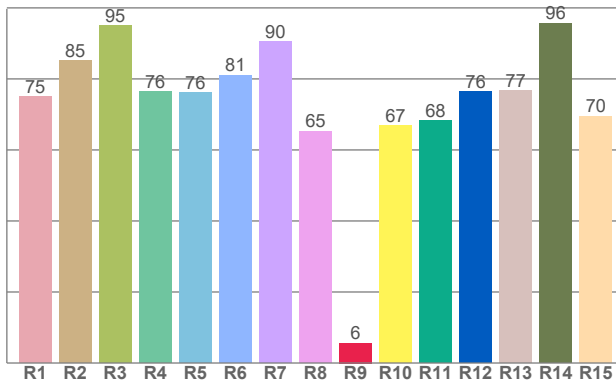
CIE 1931



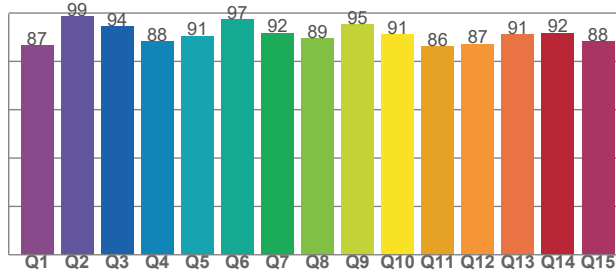
CIE 1931 - Detail



CRI: 80,6 (R1-R8)



CQSI: 90,5



Photometric Report



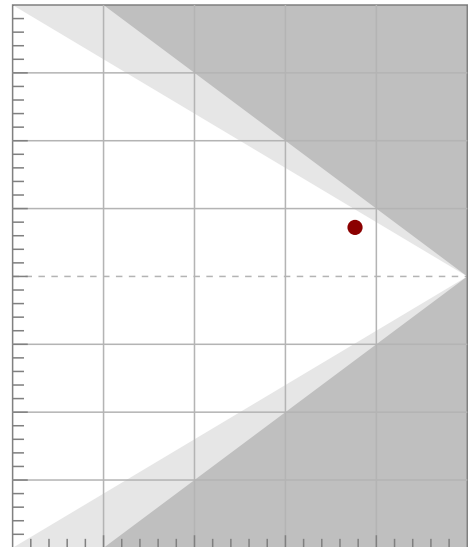
TCYC-7 Cyclorama (RAW), output 100%, Ordercode 200300

TM-30-18 DETAILS

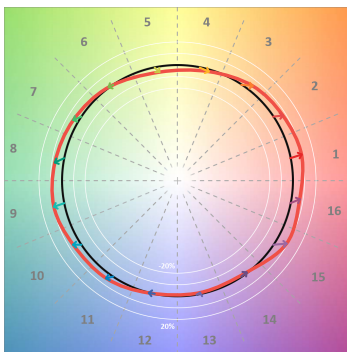
Rf 87,7
Fidelity index Rf

Rg 107,2
Gamut index Rg

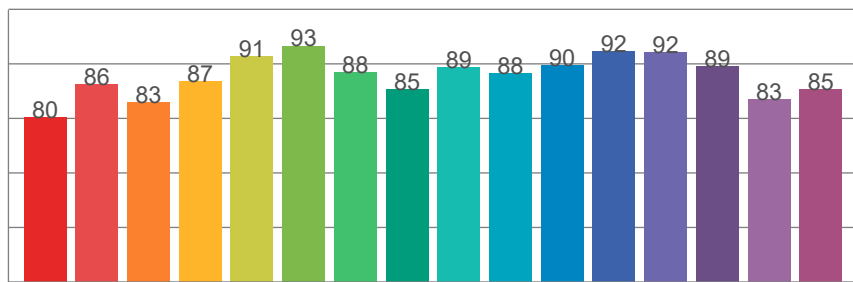
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1		%	%
2		%	%
3		%	%
4		%	%
5		%	%
6		%	%
7		%	%
8		%	%
9		%	%
10		%	%
11		%	%
12		%	%
13		%	%
14		%	%
15		%	%
16		%	%



TM30-18 Color Vectors



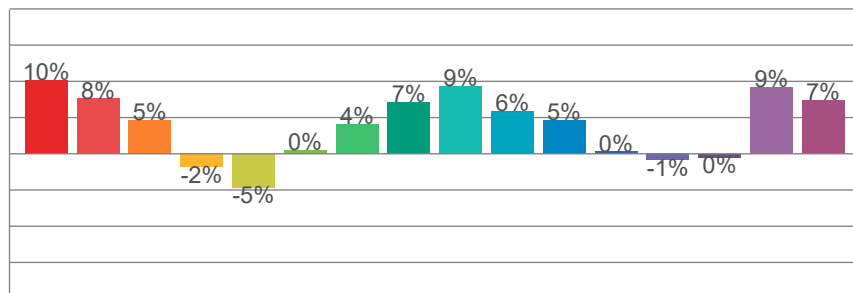
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

