Photometric Test Report



Poet F8

450W 6 Colour LED Fresnel with 12-80° zoom,
200mm-8" lens

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Beam angle Max Zoom	104
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Preset 5600K

Beam angle Max Zoom	119
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Beam angle Min Zoom	129

Preset 6000K

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TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

Please Note: All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

16432 lm

Peak candela output:

22601 cd

Light quality:

CRI: 95.4

Color temperature:

5359 K

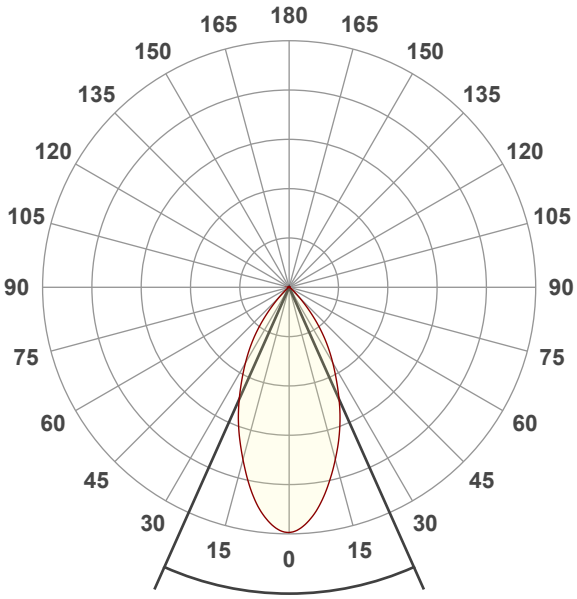
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Full on

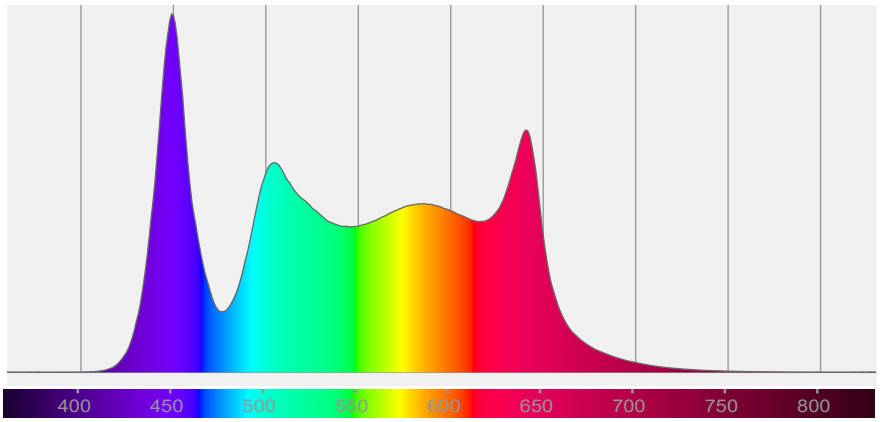
Operator:
Prolight R&D

Date and time:
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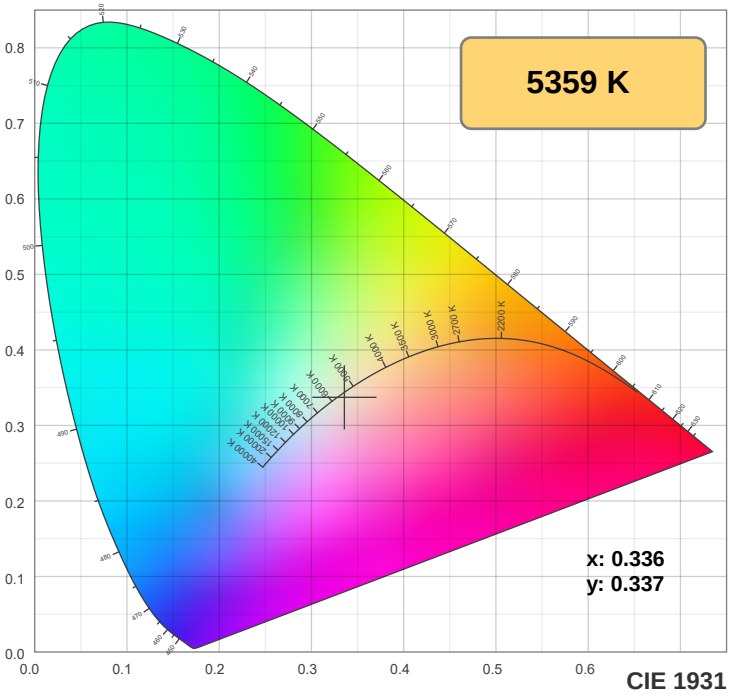


Beam angle 50%: 48.1°
Field angle 10%: 84.5°
Cut off angle 2.5%: 99.2°

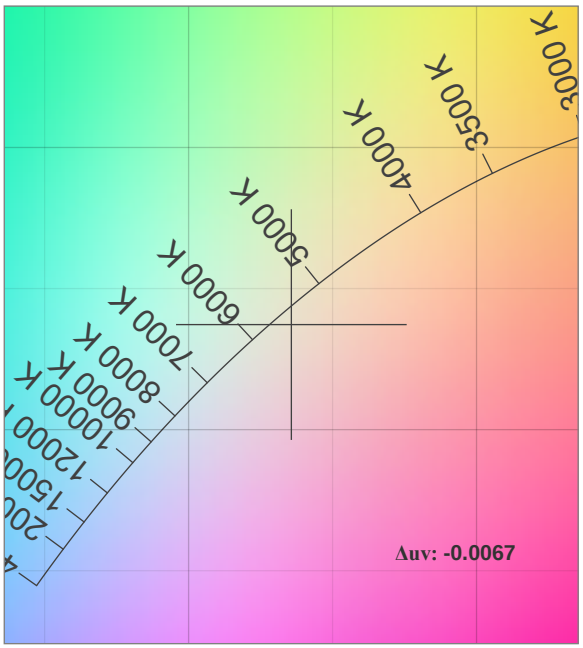
Spectra



COLOR DETAILS

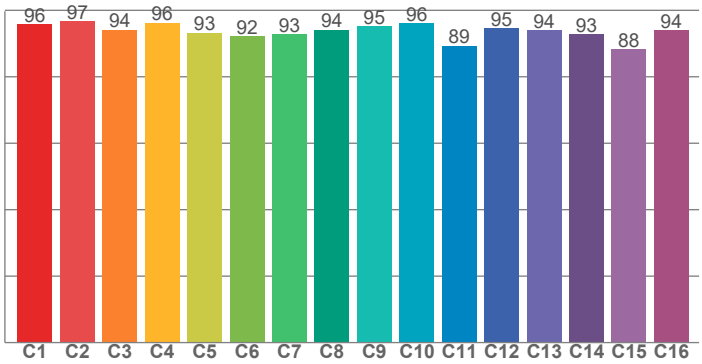


CIE 1931

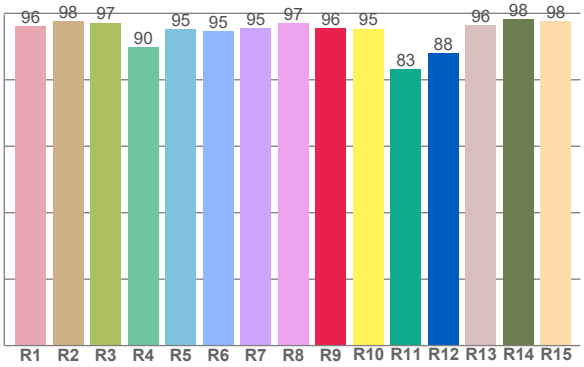


CIE 1931 ZOOM

TM30: 93.7



CRI: 95.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.2	97.7	97.2	89.9	95.3	94.6	95.5	97.0	95.5	95.4	83.1	88.0	96.4	98.3	97.7

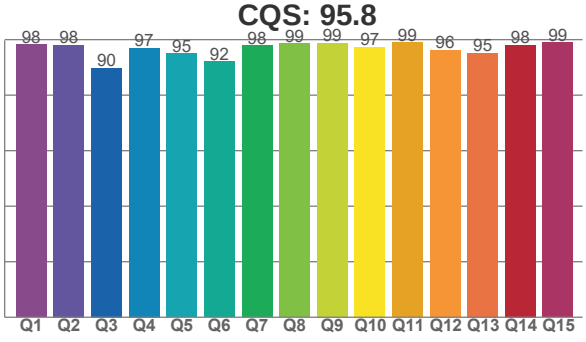
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.7	94.1	96.3	93.3	92.1	92.8	94.1	95.1	96.0	89.3	94.6	94.0	92.8	88.3	93.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.3	98.0	89.8	97.0	95.0	92.0	97.9	98.7	98.8	97.4	98.9	96.2	95.2	98.1	98.9

CQS: 95.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5359 K	95.4	95.5	93.7	105.1	95.8	92	0.336	0.337	-0.0067

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04026 - Minturno (LT) ITALY
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TM30 DETAILS

PROLiGHTS

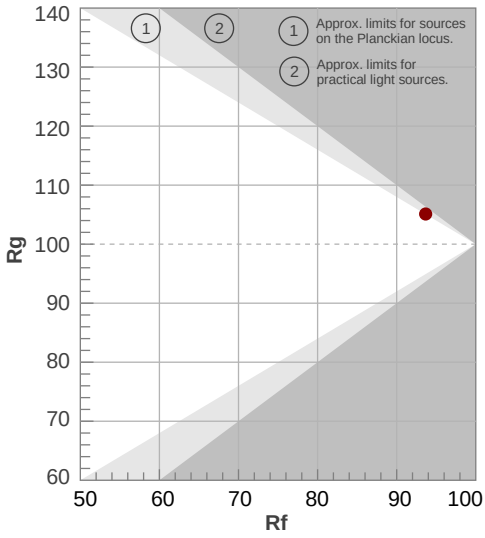
Rf 93.7

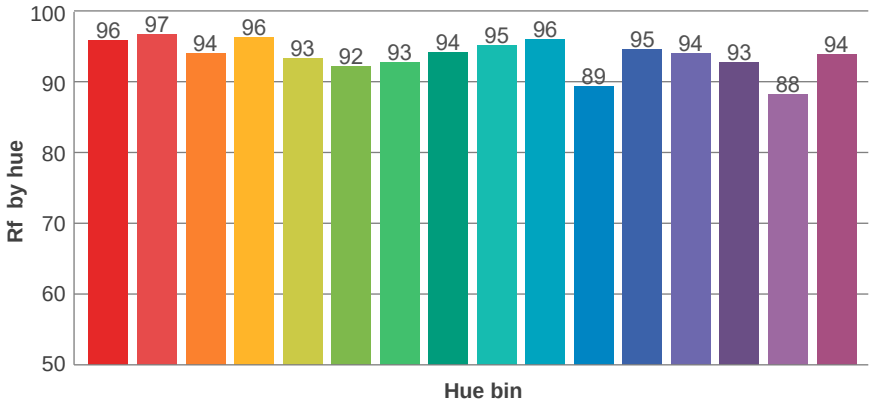
Fidelity index Rf

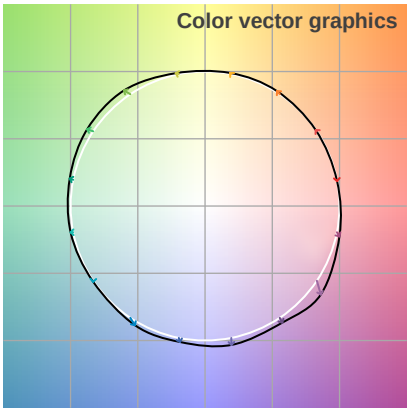
Rg 105.1

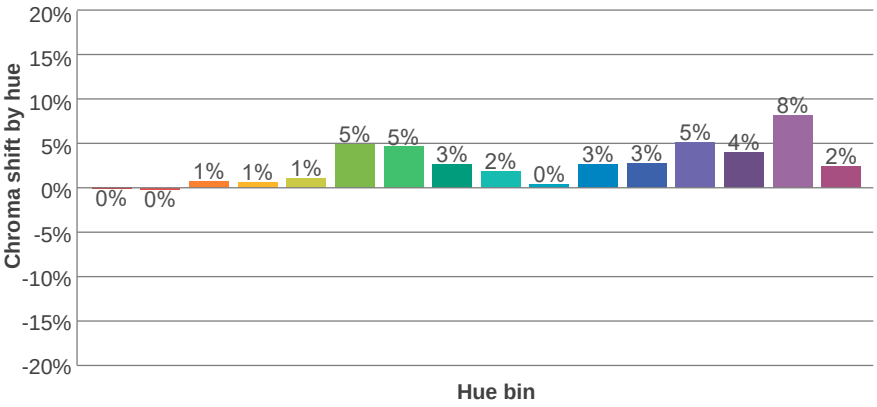
Gammut index Rg

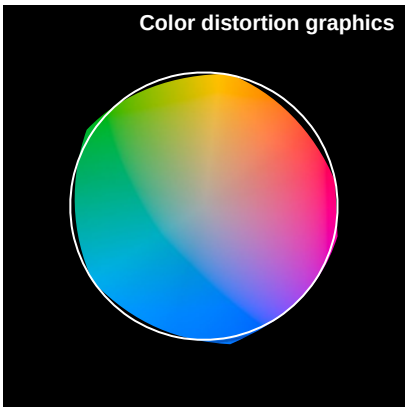
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Hue Bin	R_f	Chroma	Hue
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2	97	0%	1%
3	94	1%	3%
4	96	1%	1%
5	93	1%	2%
6	92	5%	2%
7	93	5%	1%
8	94	3%	0%
9	95	2%	0%
10	96	0%	1%
11	89	3%	6%
12	95	3%	1%
13	94	5%	-1%
14	93	4%	0%
15	88	8%	-7%
16	94	2%	-3%

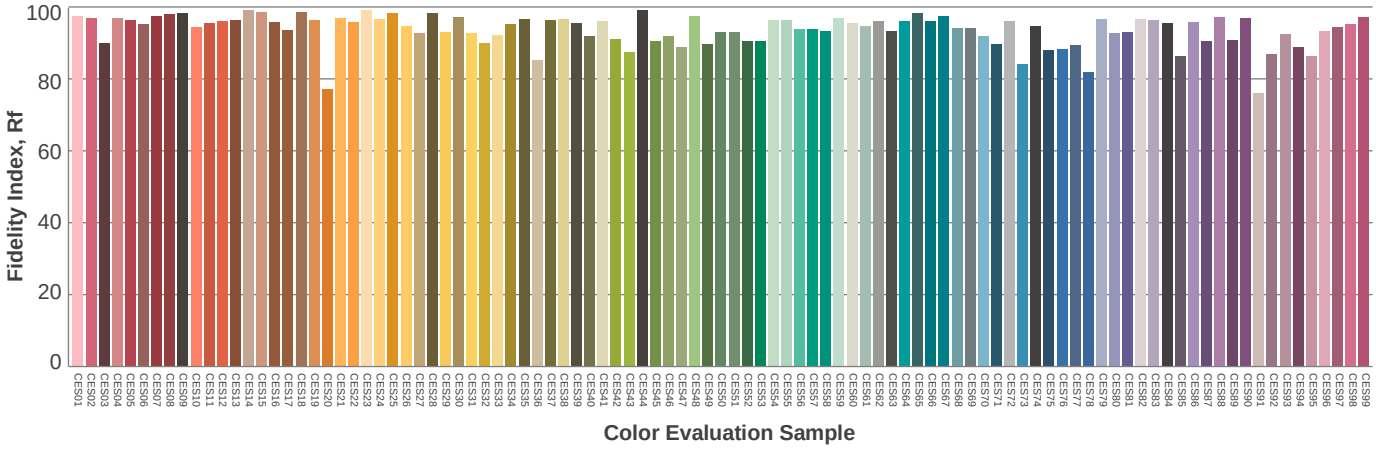












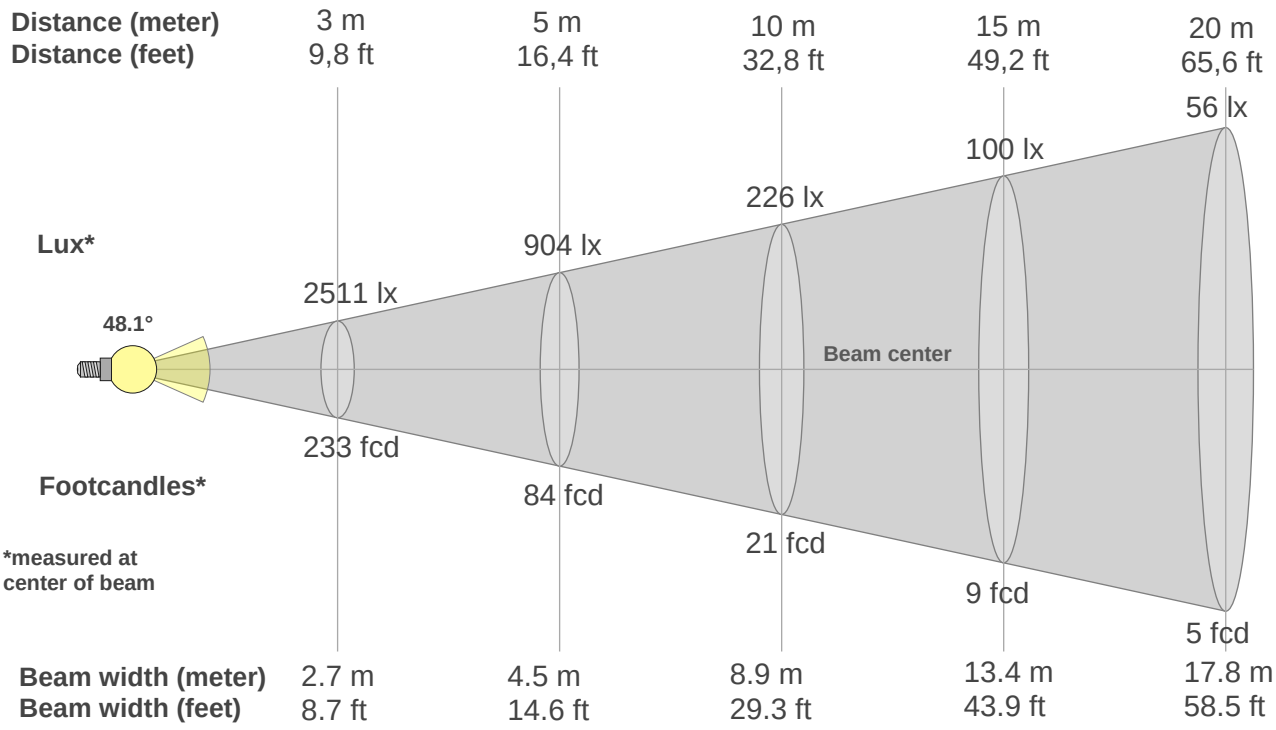
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BEAM DETAILS

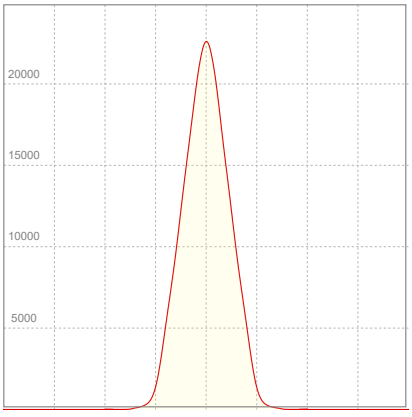
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.5°	99.2°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22597lx	5649lx	2511lx	1412lx	904lx	402lx	226lx	100lx	56lx	36lx	25lx	14lx	9lx
Footcand.	2099fcd	525fcd	233fcd	131fcd	84fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.8m	22.3m	26.8m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	21.9ft	29.3ft	43.9ft	58.5ft	73.1ft	87.8ft	117ft	146.3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1.44A	311.8W	0.96	53lm/W

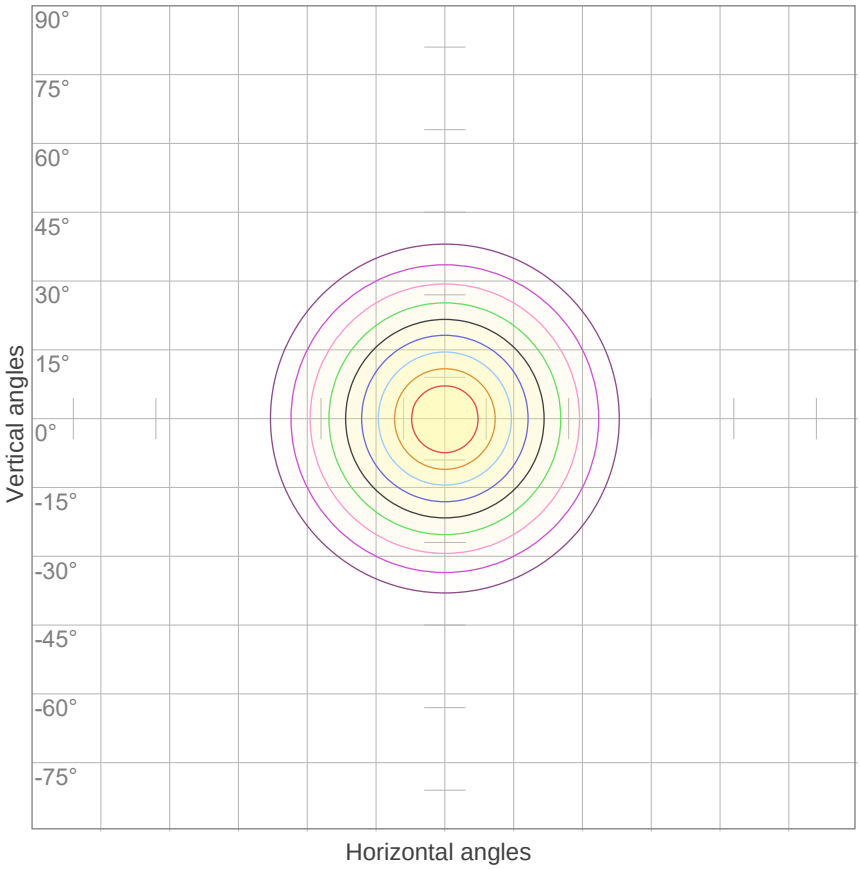
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



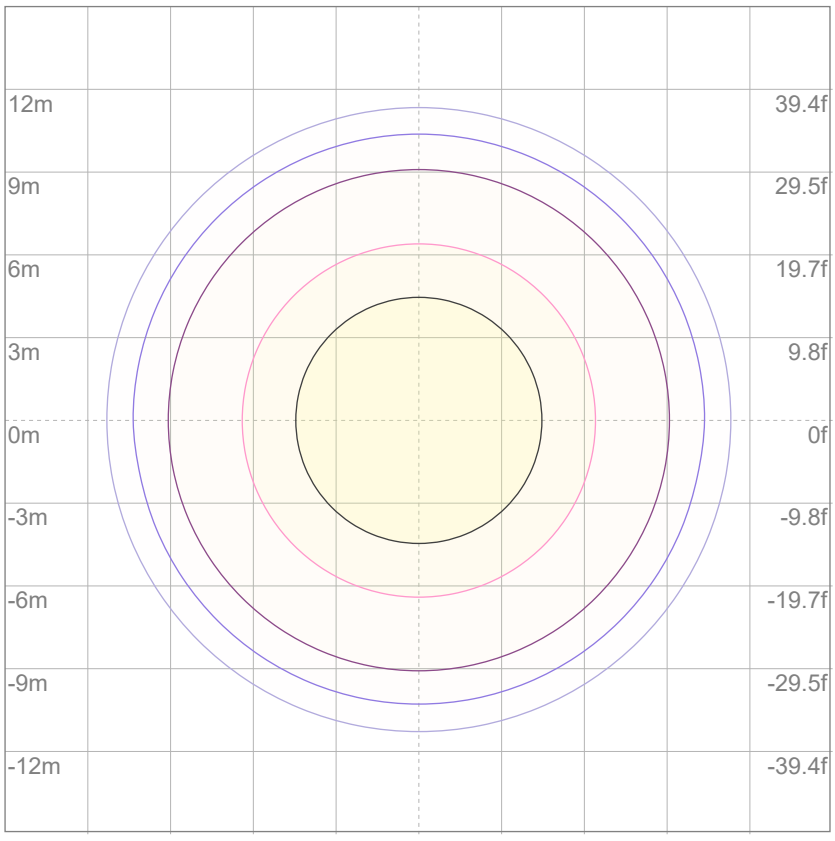
10%	2260 cd
20%	4519 cd
30%	6779 cd
40%	9039 cd
50%	11298 cd
60%	13558 cd
70%	15818 cd
80%	18077 cd
90%	20337 cd

Conditions:

Number of c-planes: 2

Candela at center: 22597 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6.78 lx
5%	11.3 lx
10%	22.6 lx
30%	67.8 lx
50%	113 lx

Conditions:

Number of c-planes: 2

Lux at center: 226 lx

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

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Total lumen output:

15221 lm

Peak candela output:

74413 cd

Light quality:

CRI: 95.4

Color temperature:

5362 K

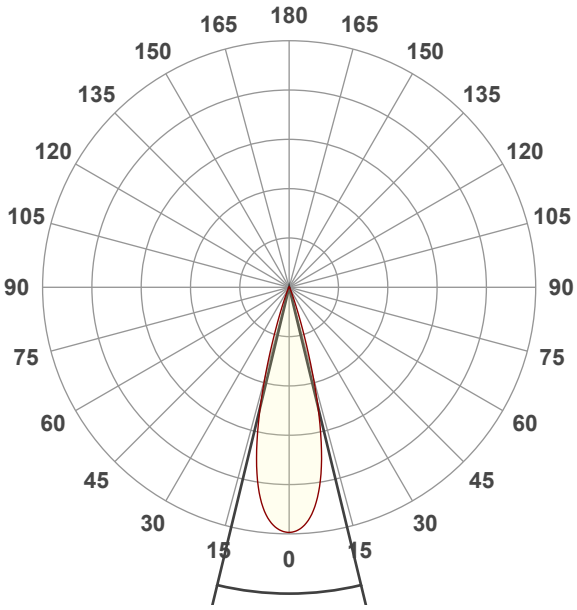
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Full on

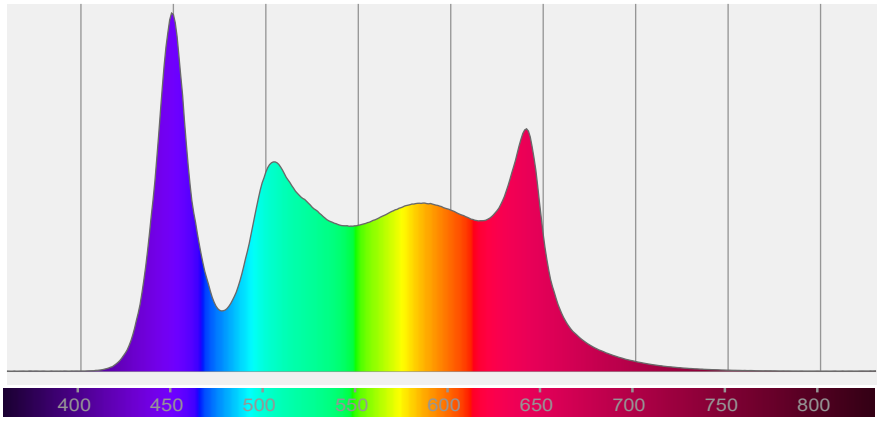
Operator:
Prolight R&D

Date and time:
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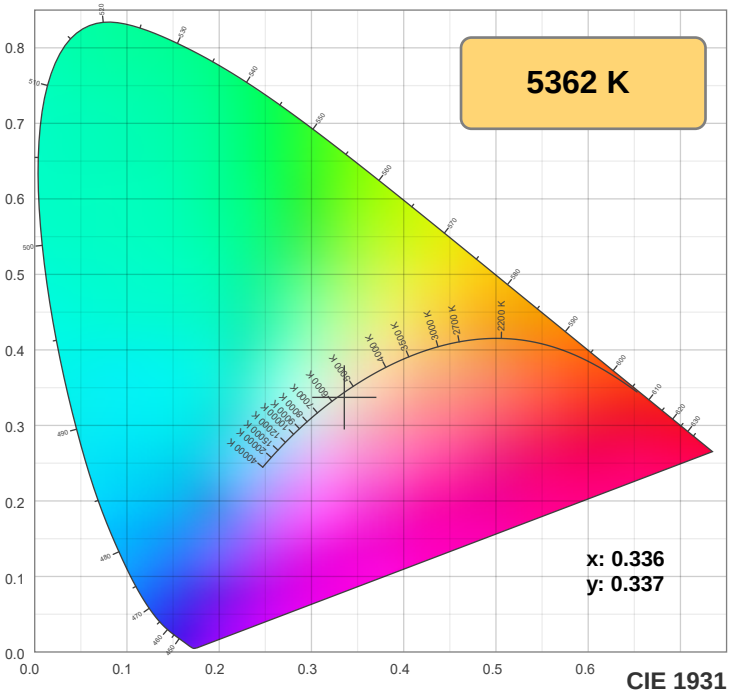


Beam angle 50%: 27.2°
Field angle 10%: 39°
Cut off angle 2.5%: 48.6°

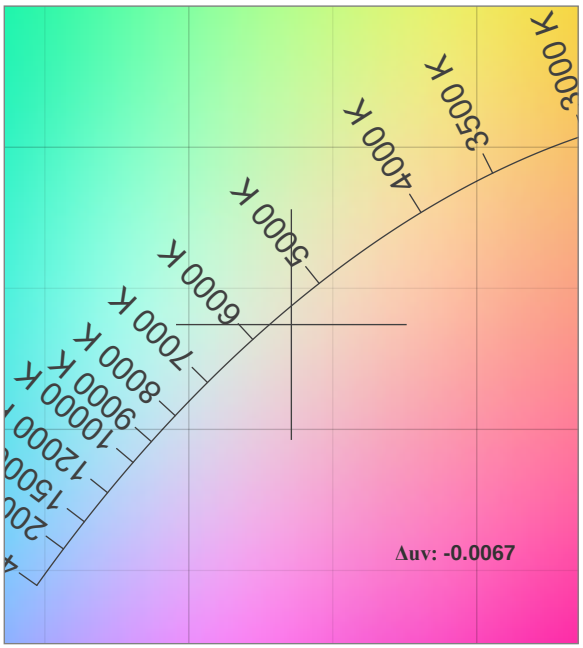
Spectra



COLOR DETAILS

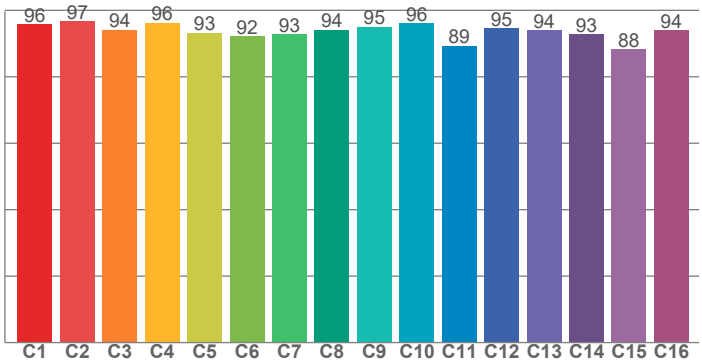


CIE 1931

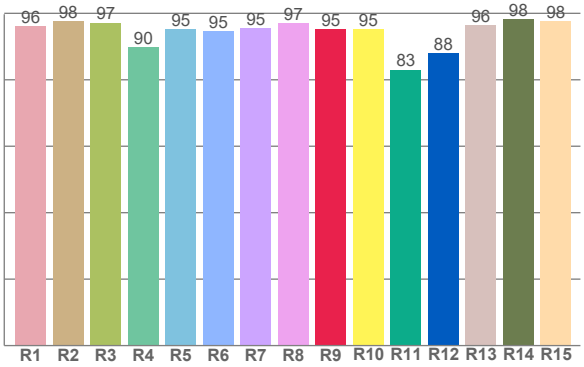


CIE 1931 ZOOM

TM30: 93.7



CRI: 95.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.1	97.7	97.2	89.9	95.2	94.6	95.5	96.9	95.3	95.3	83.1	88.1	96.4	98.3	97.7

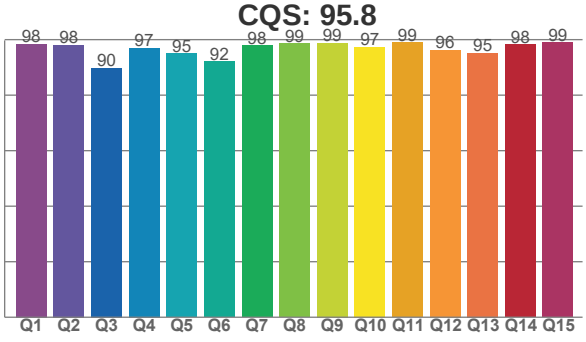
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.7	94.1	96.3	93.3	92.1	92.7	94.1	95.1	96.0	89.4	94.6	94.0	92.8	88.3	93.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.4	98.0	89.8	97.1	94.9	92.0	97.9	98.7	98.8	97.4	98.9	96.3	95.2	98.2	99.0

CQS: 95.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5362 K	95.4	95.3	93.7	105.1	95.8	92	0.336	0.337	-0.0067

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TM30 DETAILS

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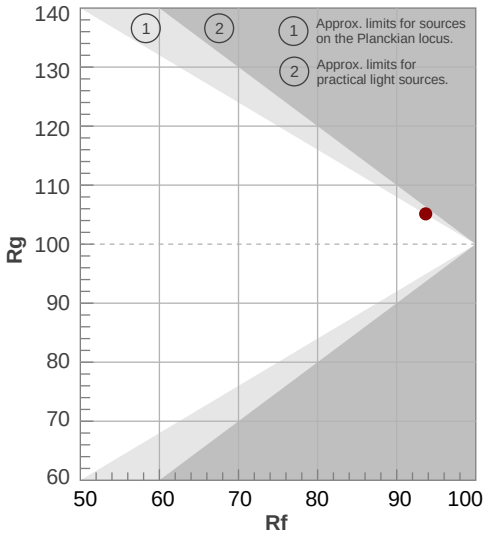
Rf 93.7

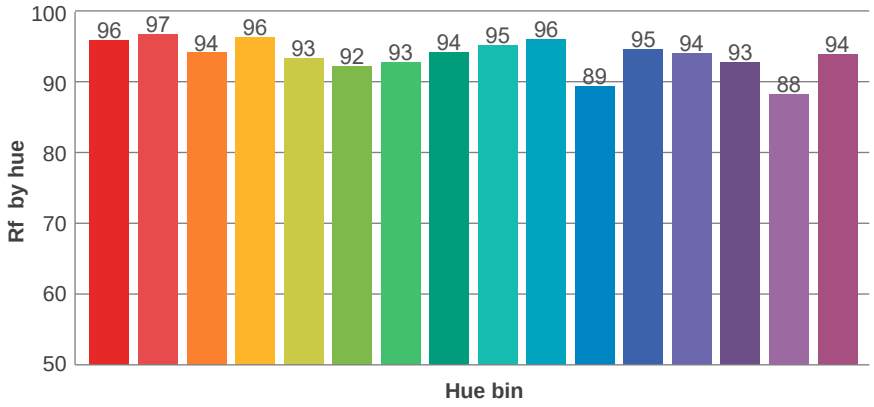
Fidelity index Rf

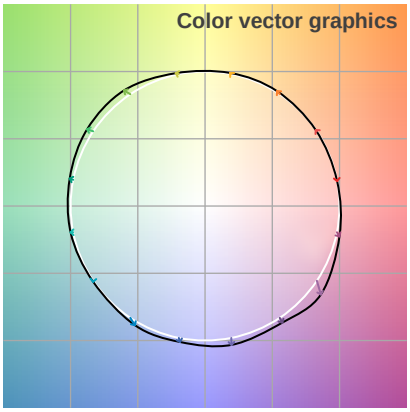
Rg 105.1

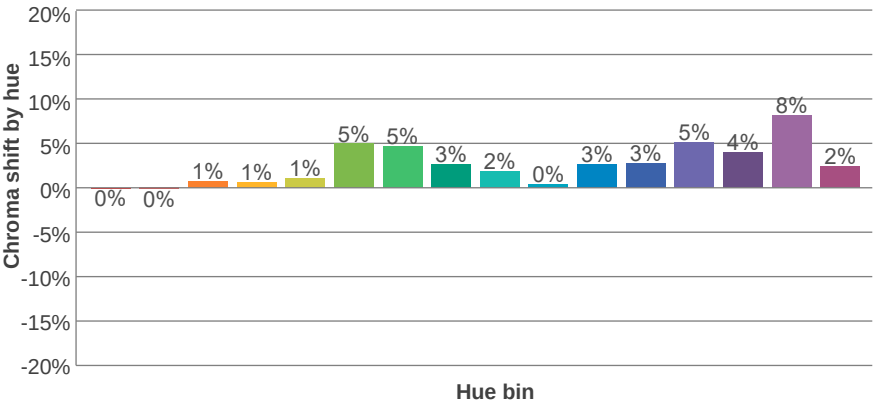
Gammut index Rg

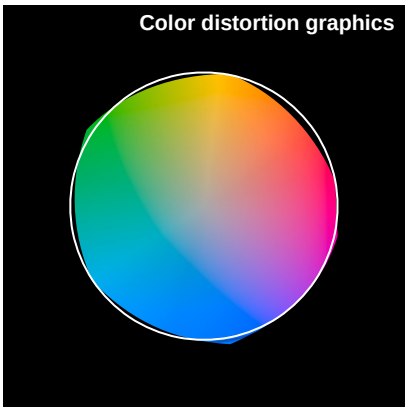
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Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	97	0%	1%
3	94	1%	3%
4	96	1%	1%
5	93	1%	2%
6	92	5%	2%
7	93	5%	1%
8	94	3%	0%
9	95	2%	0%
10	96	0%	1%
11	89	3%	6%
12	95	3%	1%
13	94	5%	-1%
14	93	4%	0%
15	88	8%	-7%
16	94	2%	-3%

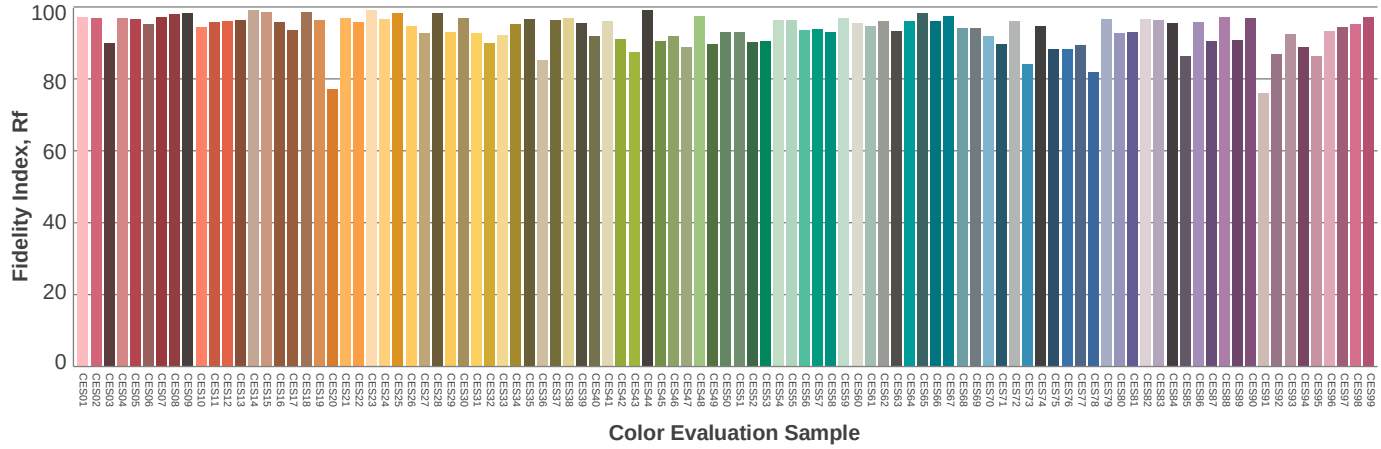












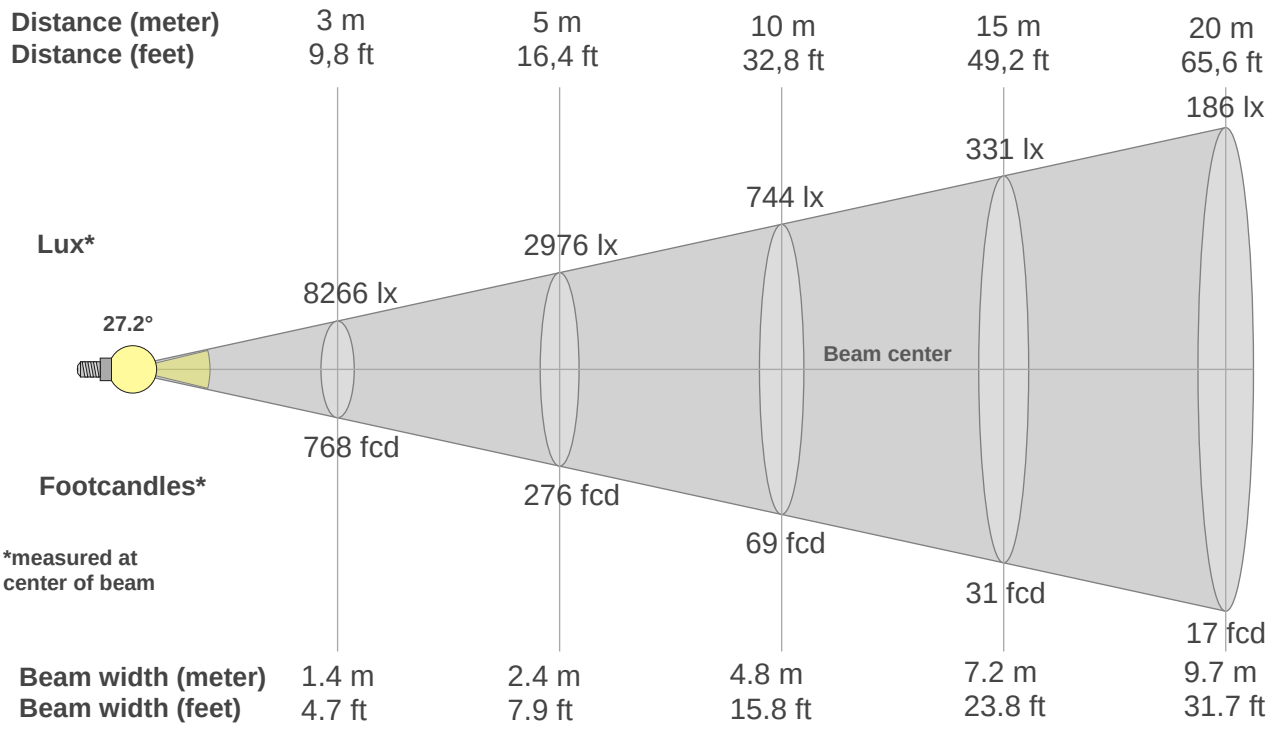
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BEAM DETAILS

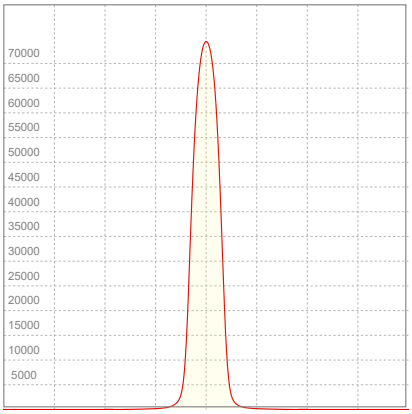
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	39°	48.6°	99.7%	98.7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	74398lx	18599lx	8266lx	4650lx	2976lx	1323lx	744lx	331lx	186lx	119lx	83lx	46lx	30lx
Footcand.	6912fcd	1728fcd	768fcd	432fcd	276fcd	123fcd	69fcd	31fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.8ft	31.7ft	39.6ft	47.5ft	63.4ft	79.2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.45A	312W	0.96	49lm/W

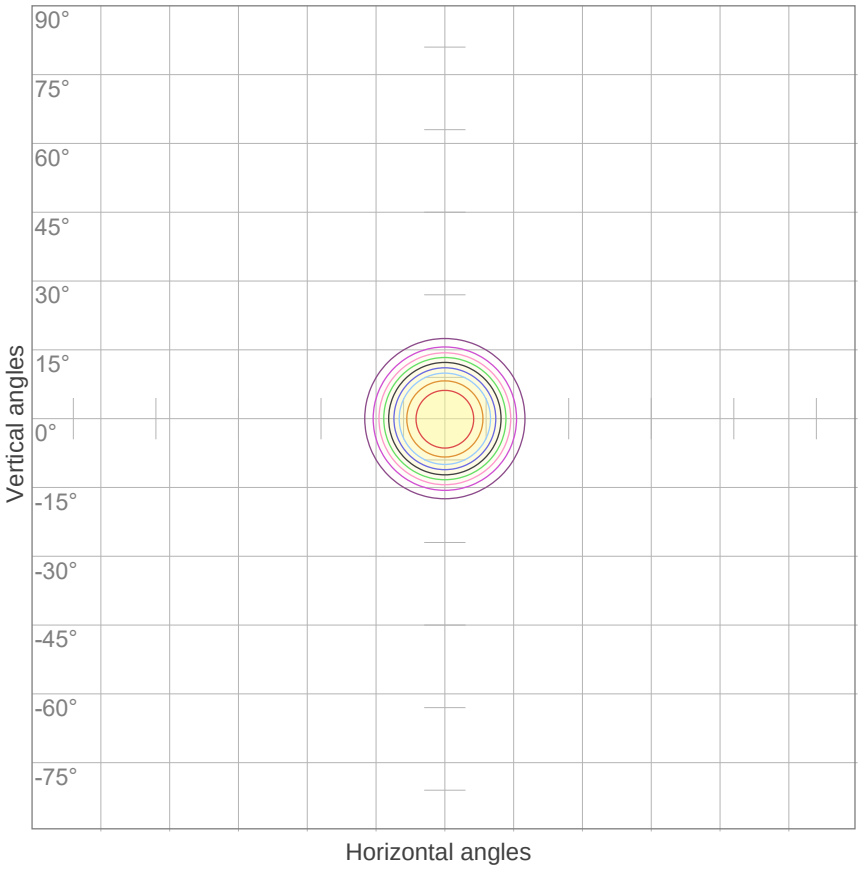
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



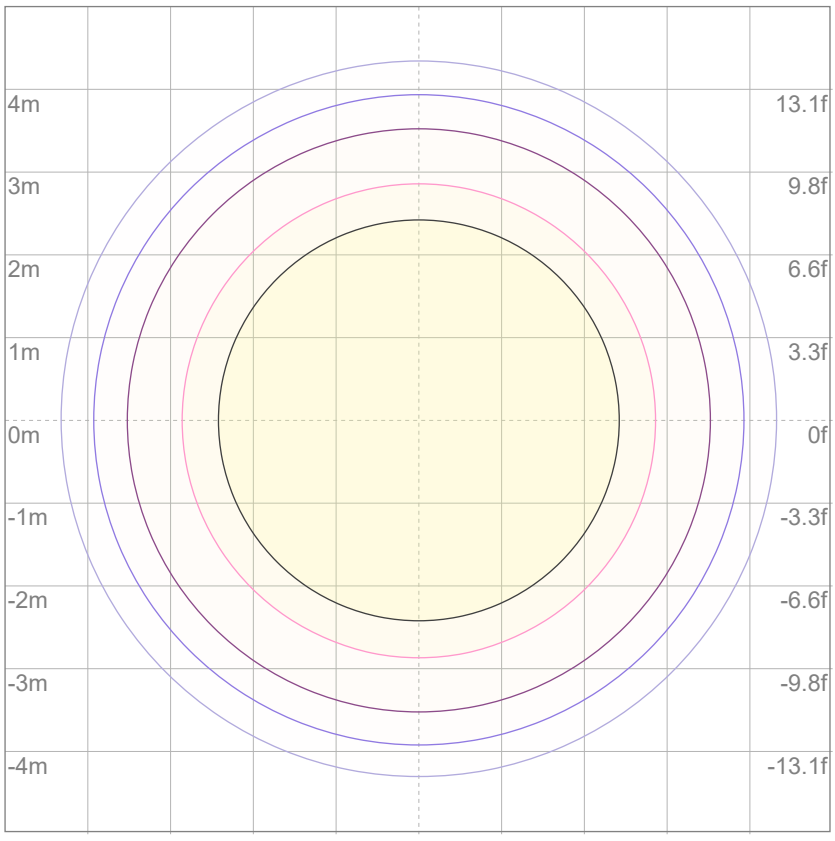
10%	7440 cd
20%	14880 cd
30%	22319 cd
40%	29759 cd
50%	37199 cd
60%	44639 cd
70%	52079 cd
80%	59518 cd
90%	66958 cd

Conditions:

Number of c-planes: 2

Candela at center: 74398 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	22.3 lx
5%	37.2 lx
10%	74.4 lx
30%	223 lx
50%	372 lx

Conditions:

Number of c-planes: 2

Lux at center: 744 lx

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

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Total lumen output:

10484 lm

Peak candela output:

200092 cd

Light quality:

CRI: 95.2

Color temperature:

5406 K

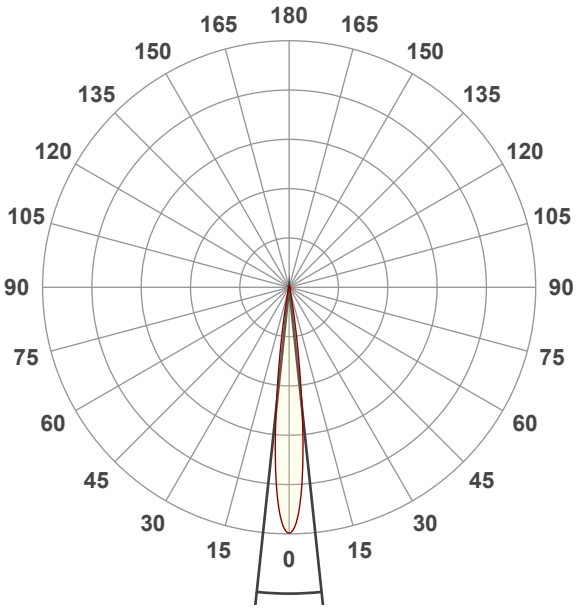
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Full on

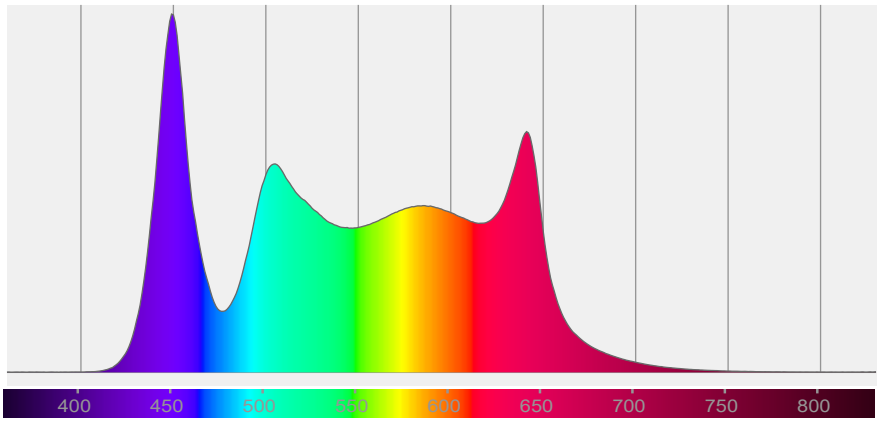
Operator:
Prolight R&D

Date and time:
8/29/2026 2:16:38 PM

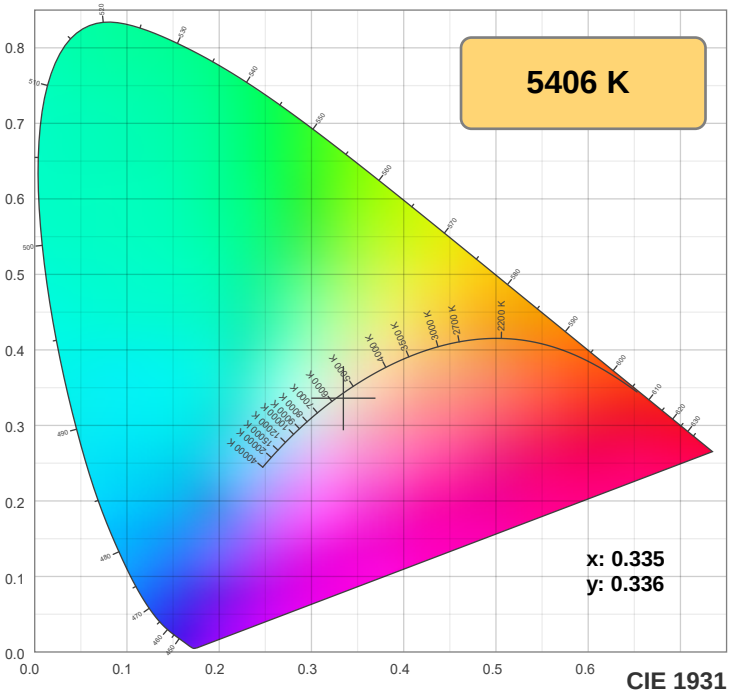


Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.7°

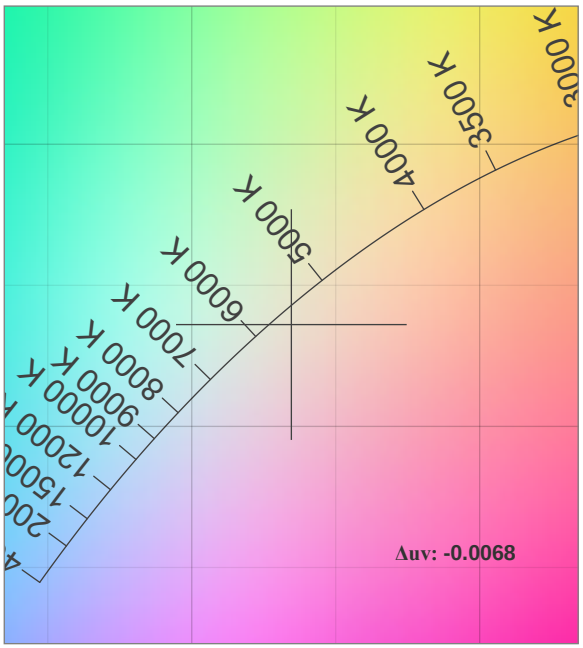
Spectra



COLOR DETAILS

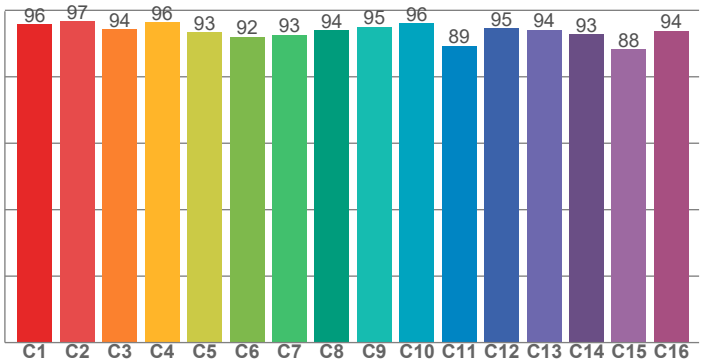


CIE 1931

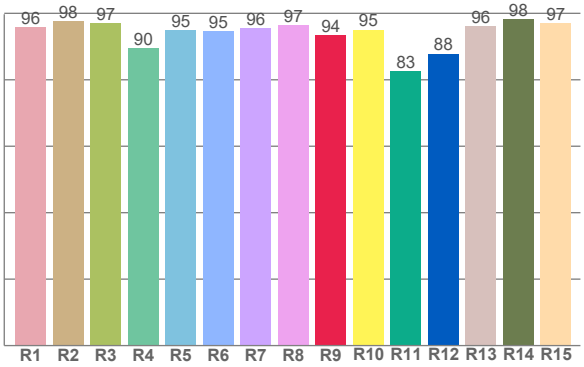


CIE 1931 ZOOM

TM30: 93.7



CRI: 95.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.8	97.7	97.0	89.6	94.9	94.5	95.5	96.5	93.5	95.1	82.6	87.9	96.1	98.2	97.1

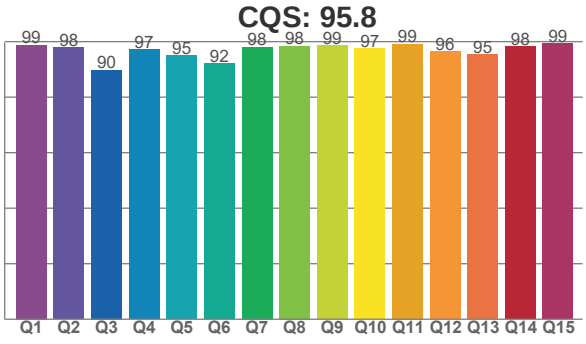
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.8	96.7	94.3	96.4	93.4	92.1	92.6	94.0	95.1	96.1	89.3	94.6	94.1	92.8	88.3	93.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.7	97.9	89.8	97.1	94.9	92.1	98.1	98.5	98.6	97.5	99.1	96.5	95.4	98.2	99.3

CQS: 95.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5406 K	95.2	93.5	93.7	105.2	95.8	92	0.335	0.336	-0.0068

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TM30 DETAILS

PROLiGHTS

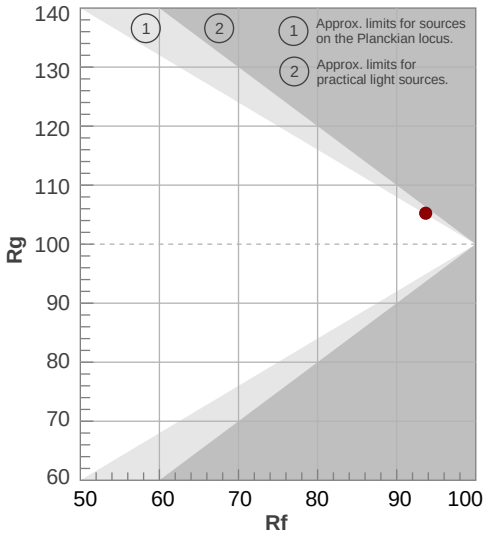
Rf 93.7

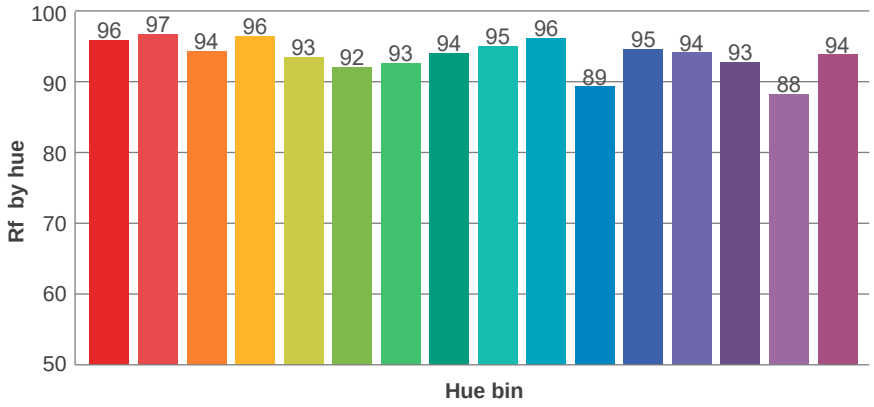
Fidelity index Rf

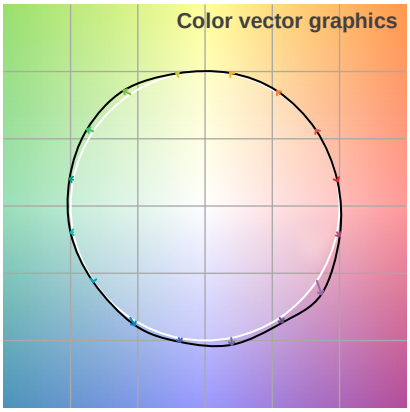
Rg 105.2

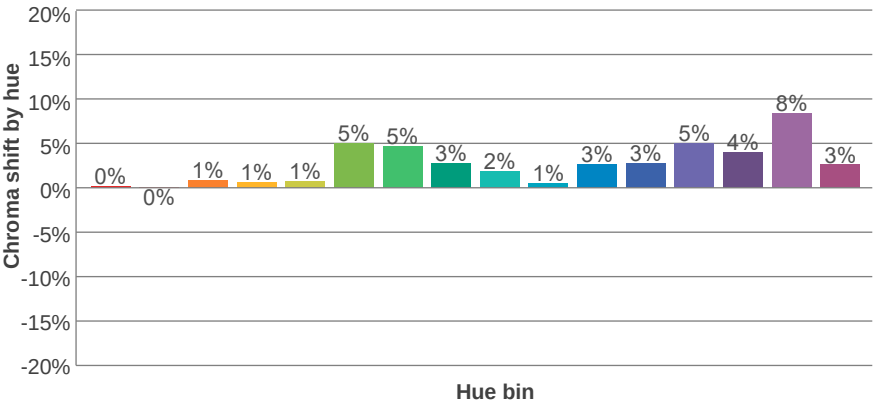
Gammut index Rg

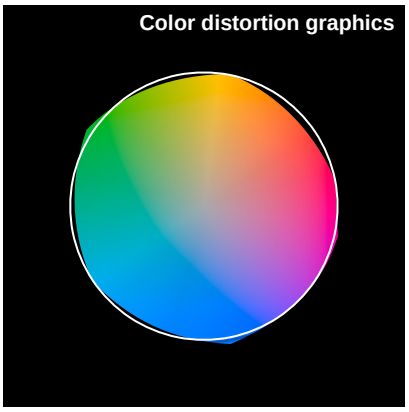
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	97	0%	1%
3	94	1%	3%
4	96	1%	1%
5	93	1%	2%
6	92	5%	3%
7	93	5%	1%
8	94	3%	0%
9	95	2%	0%
10	96	1%	1%
11	89	3%	6%
12	95	3%	2%
13	94	5%	0%
14	93	4%	0%
15	88	8%	-6%
16	94	3%	-2%

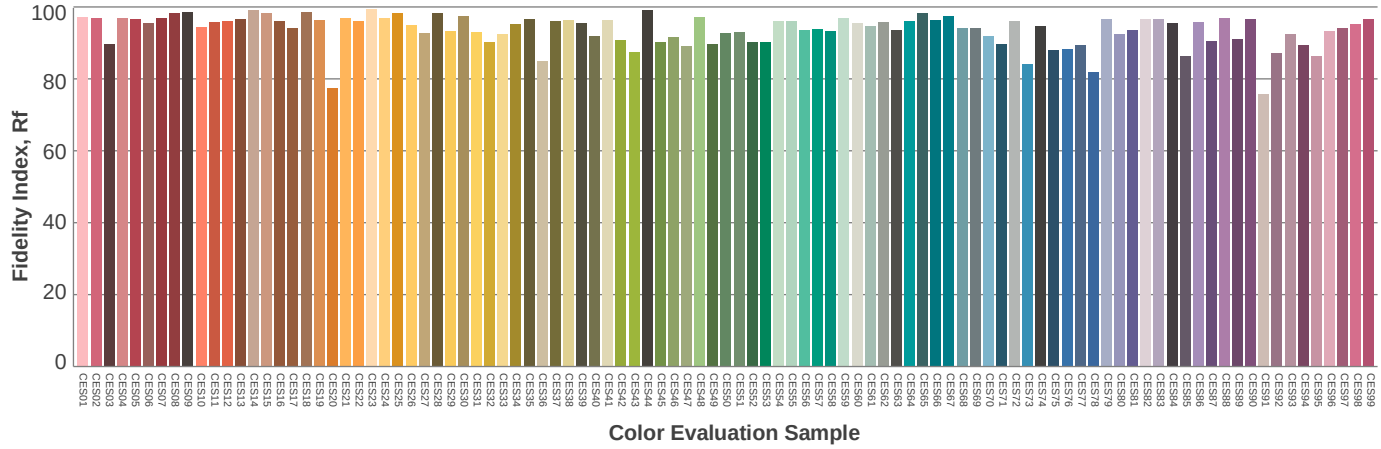












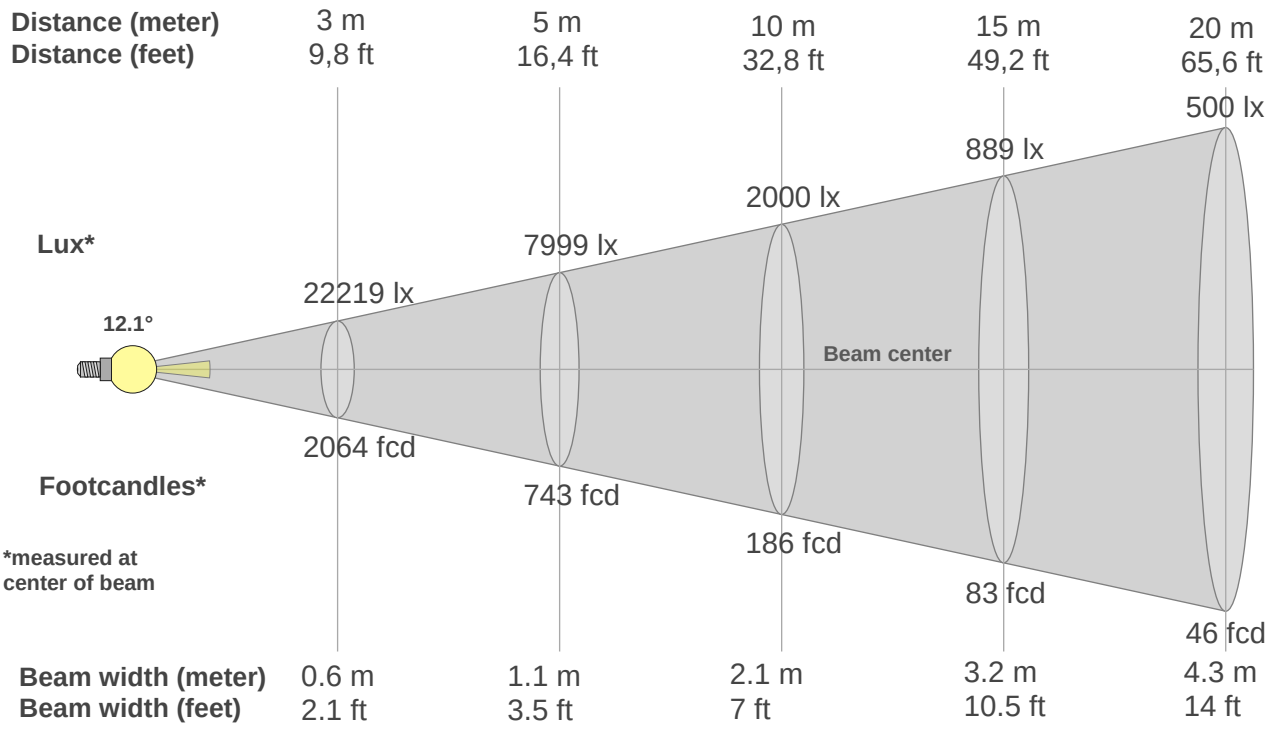
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BEAM DETAILS

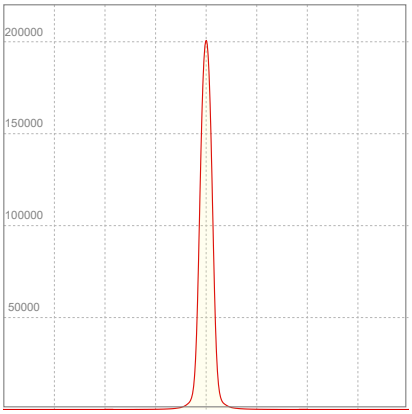
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.7°	99.7%	98.8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	199975lx	49994lx	22219lx	12498lx	7999lx	3555lx	2000lx	889lx	500lx	320lx	222lx	125lx	80lx
Footcand.	18578fcd	4645fcd	2064fcd	1161fcd	743fcd	330fcd	186fcd	83fcd	46fcd	30fcd	21fcd	12fcd	7fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	14ft	17.4ft	20.9ft	27.9ft	34.9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1.44A	310.4W	0.96	34lm/W

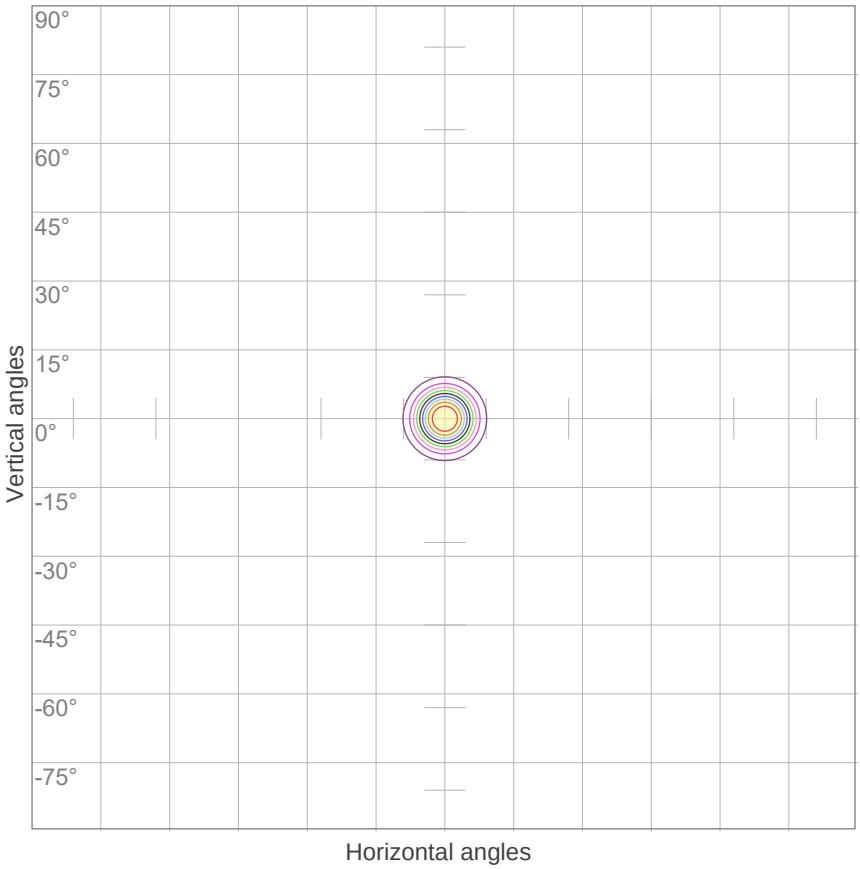
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



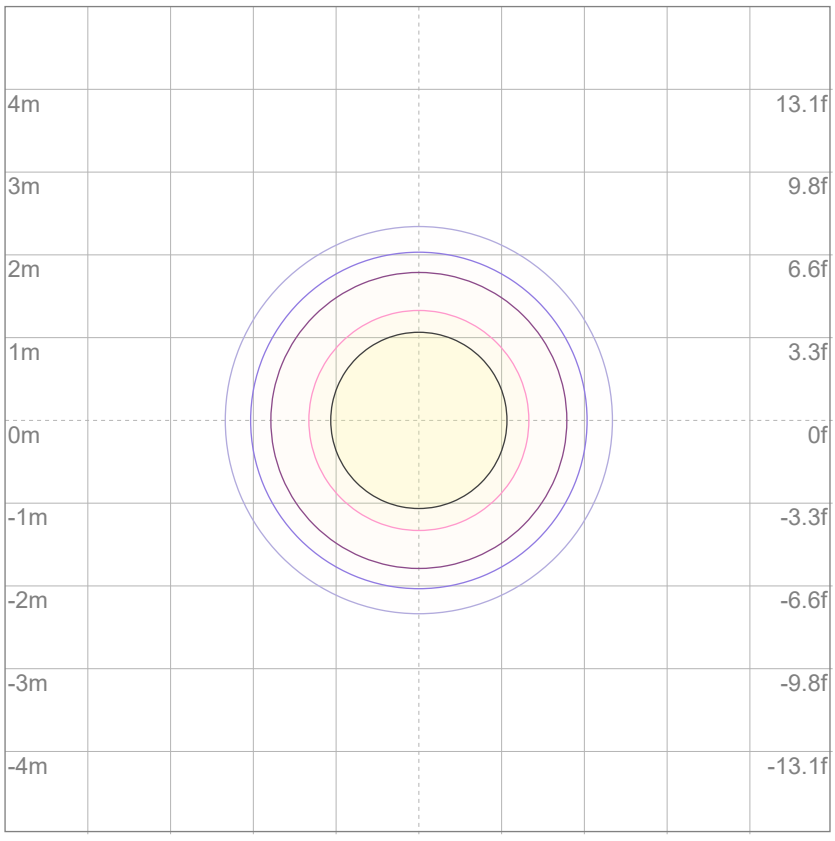
10%	19997 cd
20%	39995 cd
30%	59992 cd
40%	79990 cd
50%	99987 cd
60%	119985 cd
70%	139982 cd
80%	159980 cd
90%	179977 cd

Conditions:

Number of c-planes: 2

Candela at center: 199975 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	60.0 lx
5%	100.0 lx
10%	200 lx
30%	600 lx
50%	1000 lx

Conditions:

Number of c-planes: 2

Lux at center: 2000 lx

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



Total lumen output:

1942 lm

Peak candela output:

2749 cd

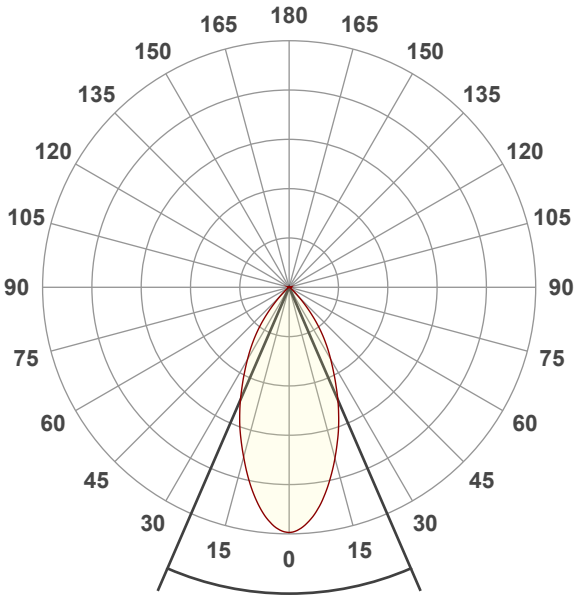
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Red-M3

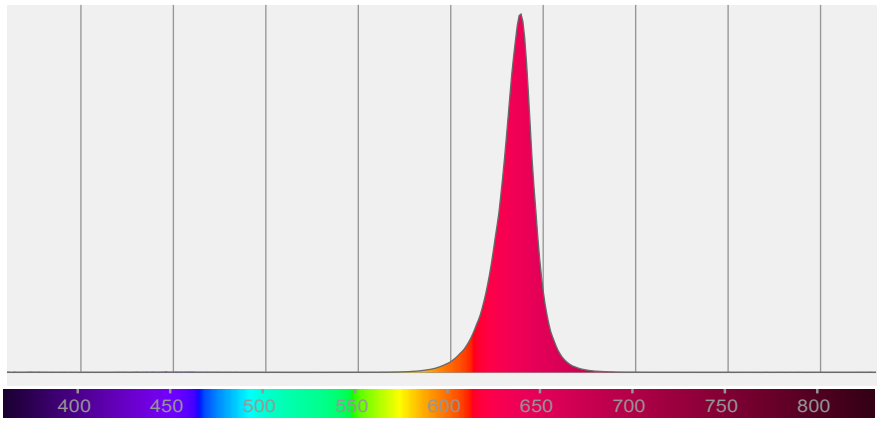
Operator:
Prolight R&D

Date and time:
8/29/2026 3:05:43 PM



Beam angle 50%: 46.8°
Field angle 10%: 84°
Cut off angle 2.5%: 98.3°

Spectra



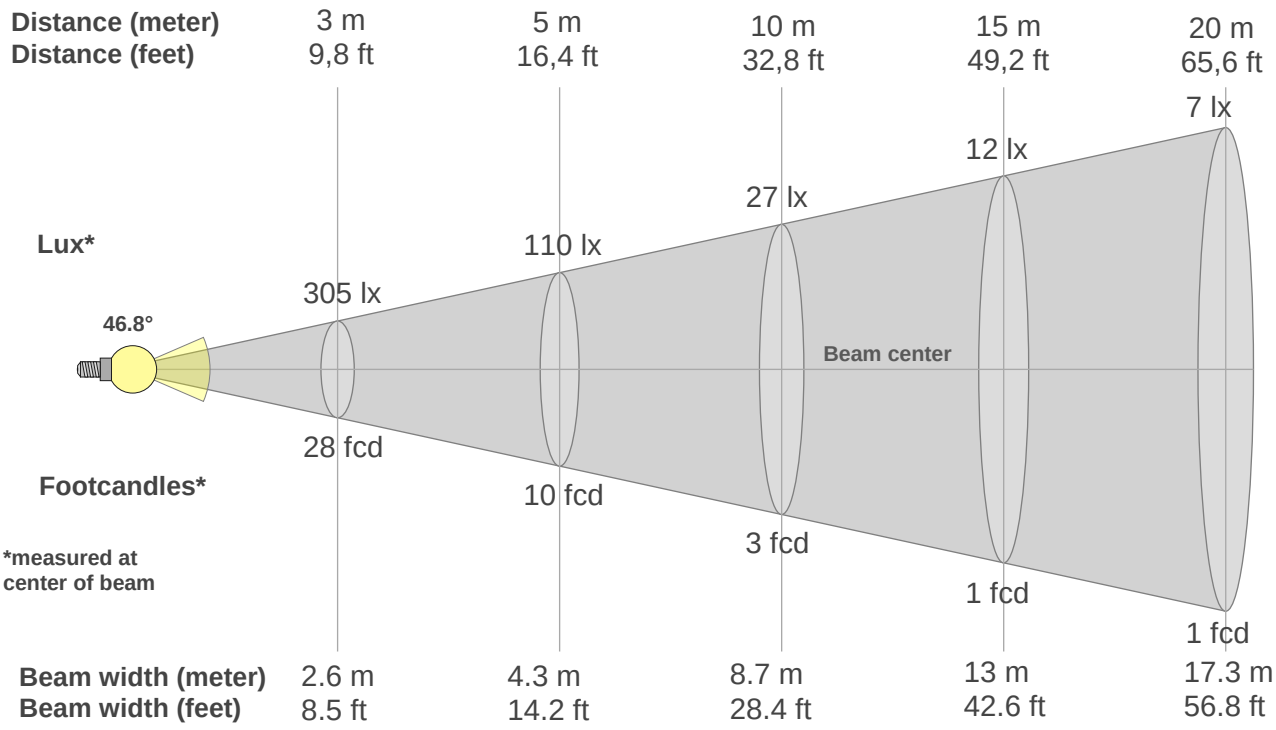
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BEAM DETAILS

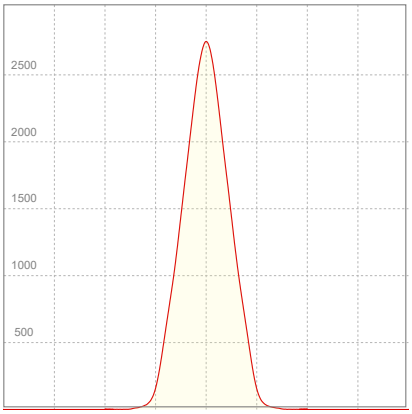
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46.8°	84°	98.3°	99.5%	96.0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2748lx	687lx	305lx	172lx	110lx	49lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	255fcd	64fcd	28fcd	16fcd	10fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0.9m	1.7m	2.6m	3.5m	4.3m	6.5m	8.7m	13m	17.3m	21.6m	26m	34.6m	43.3m
Beam wid.	2.9ft	5.7ft	8.5ft	11.3ft	14.2ft	21.3ft	28.4ft	42.6ft	56.8ft	71ft	85.2ft	113.6ft	142ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0.424A	64.6W	0.68	30lm/W

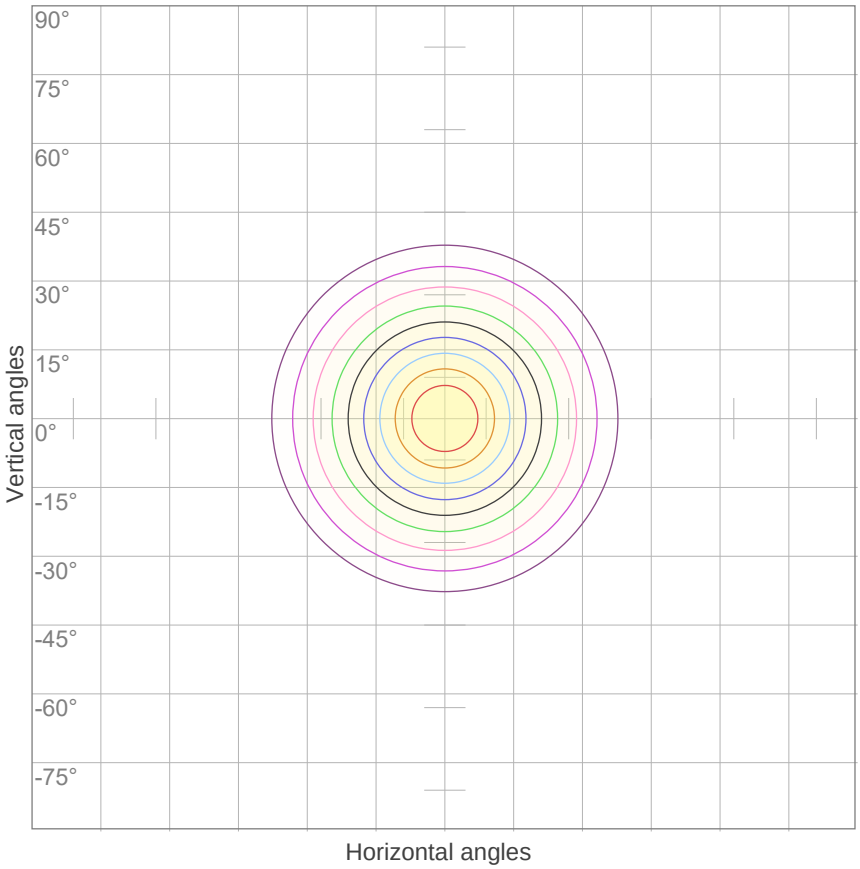
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



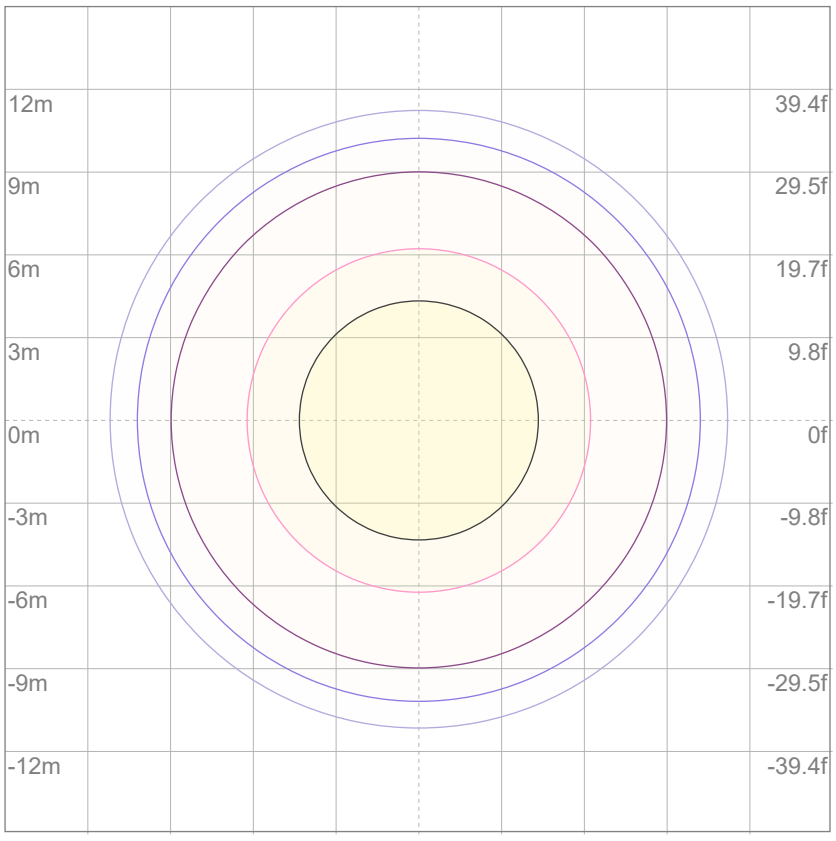
10%	275 cd
20%	550 cd
30%	824 cd
40%	1099 cd
50%	1374 cd
60%	1649 cd
70%	1924 cd
80%	2198 cd
90%	2473 cd

Conditions:

Number of c-planes: 2

Candela at center: 2748 cd

ISO LUX DIAGRAM



3%	0.824 lx
5%	1.37 lx
10%	2.75 lx
30%	8.24 lx
50%	13.7 lx

Conditions:

Number of c-planes: 2

Lux at center: 27.5 lx

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

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Total lumen output:

1813 lm

Peak candela output:

8995 cd

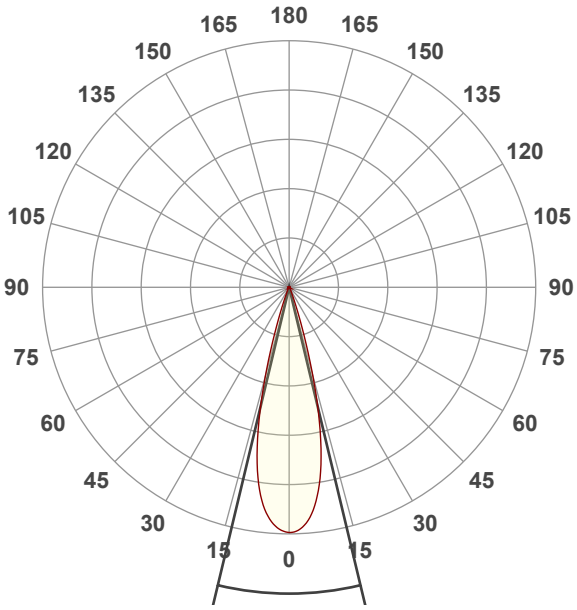
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Red

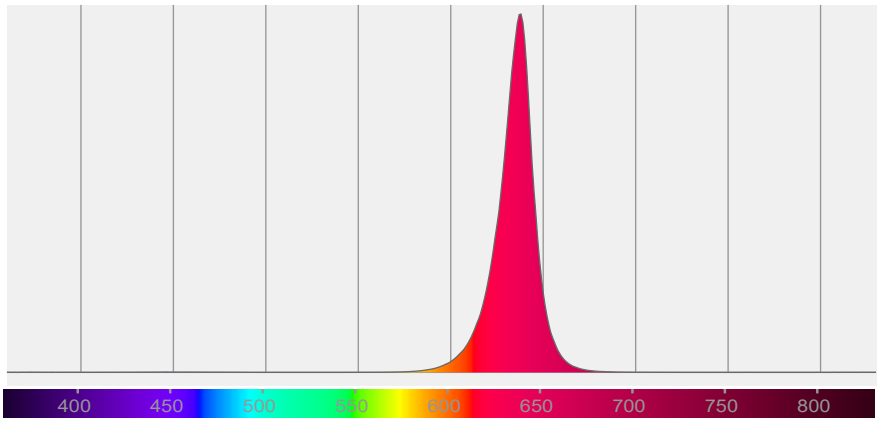
Operator:
Prolight R&D

Date and time:
8/29/2026 2:28:27 PM



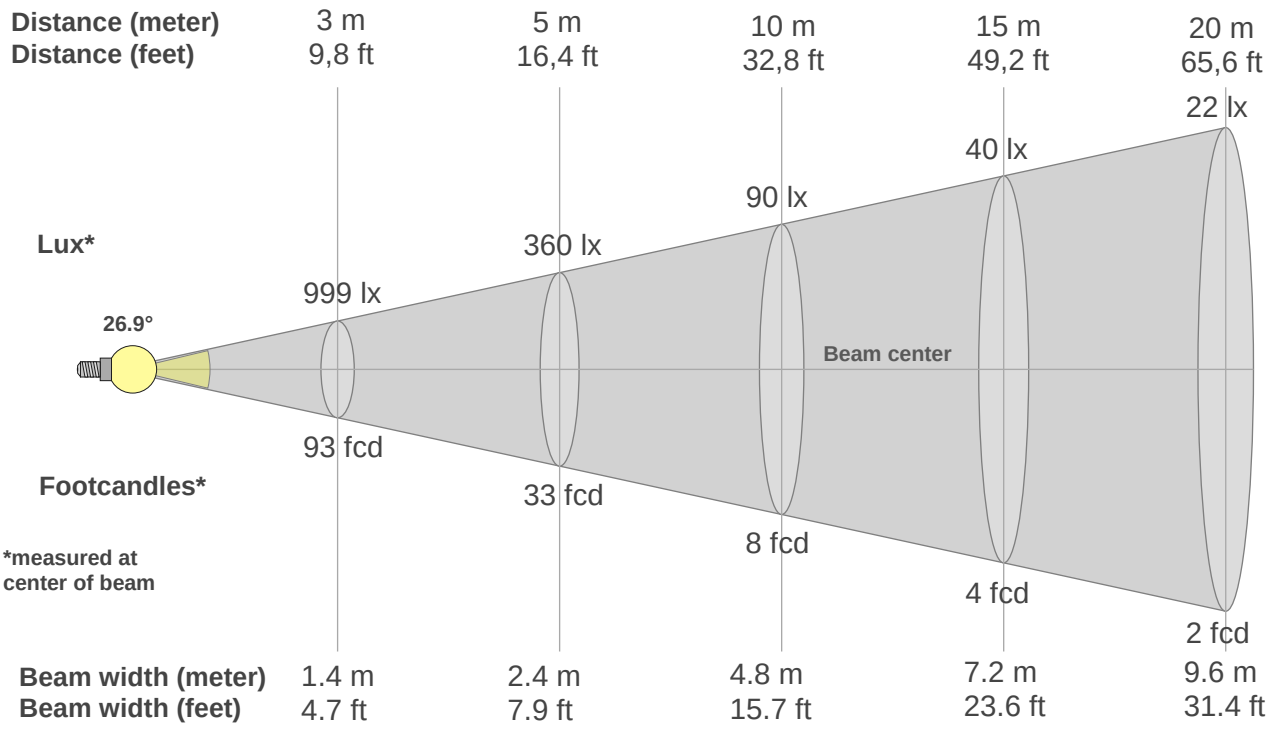
Beam angle 50%: 26.9°
Field angle 10%: 38.8°
Cut off angle 2.5%: 48.1°

Spectra



BEAM DETAILS

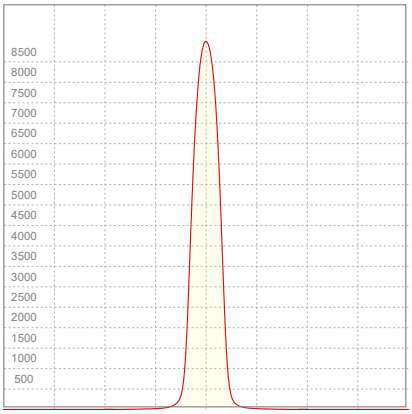
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.9°	38.8°	48.1°	99.5%	98.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	8995lx	2249lx	999lx	562lx	360lx	160lx	90lx	40lx	22lx	14lx	10lx	6lx	4lx
Footcand.	836fcd	209fcd	93fcd	52fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.6m	12m	14.4m	19.2m	23.9m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.8ft	15.7ft	23.6ft	31.4ft	39.3ft	47.1ft	62.8ft	78.5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0.419A	64.7W	0.69	28lm/W

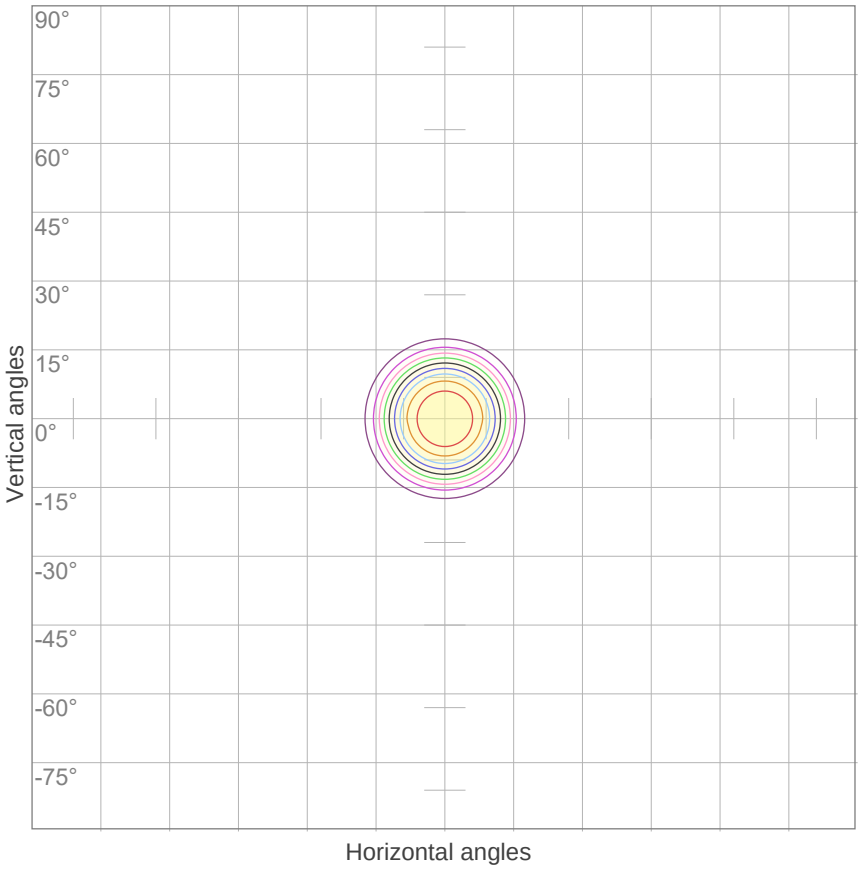
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



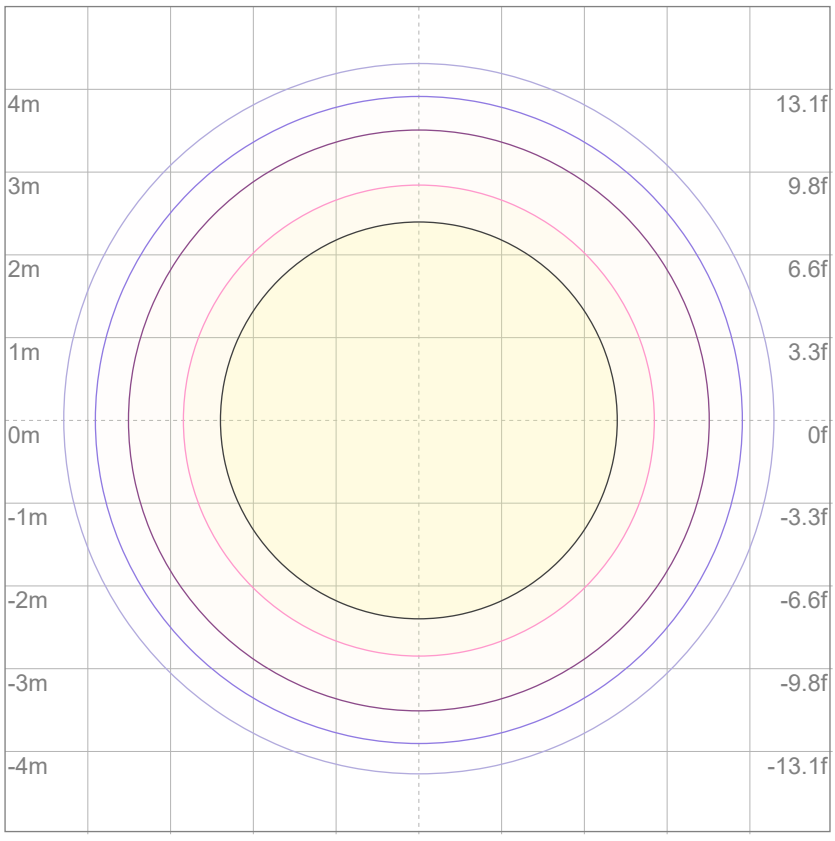
10%	899 cd
20%	1799 cd
30%	2698 cd
40%	3598 cd
50%	4497 cd
60%	5397 cd
70%	6296 cd
80%	7196 cd
90%	8095 cd

Conditions:

Number of c-planes: 2

Candela at center: 8995 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2.70 lx
5%	4.50 lx
10%	8.99 lx
30%	27.0 lx
50%	45.0 lx

Conditions:

Number of c-planes: 2

Lux at center: 89.9 lx

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



Total lumen output:

1223 lm

Peak candela output:

23801 cd

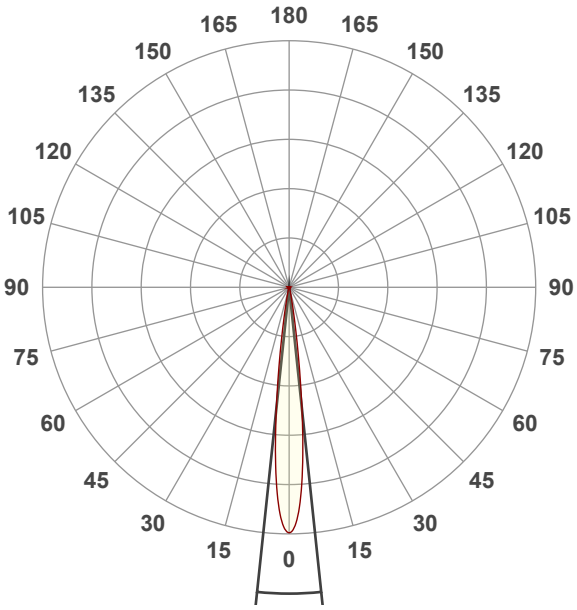
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Red

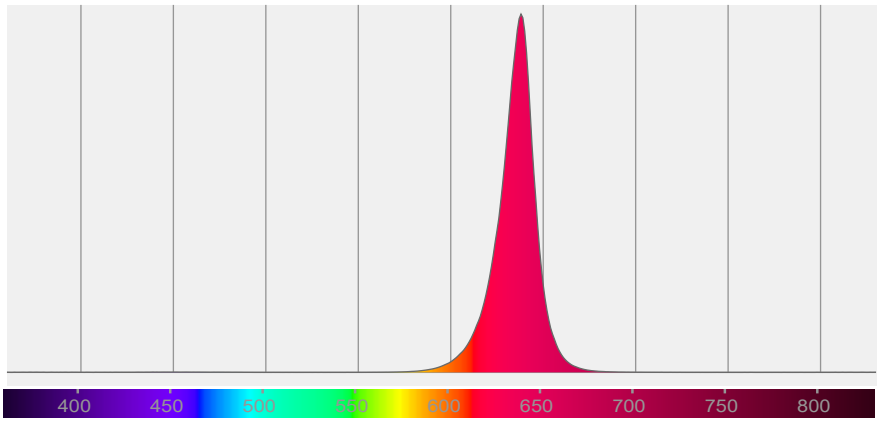
Operator:
Prolight R&D

Date and time:
8/29/2026 1:59:46 PM



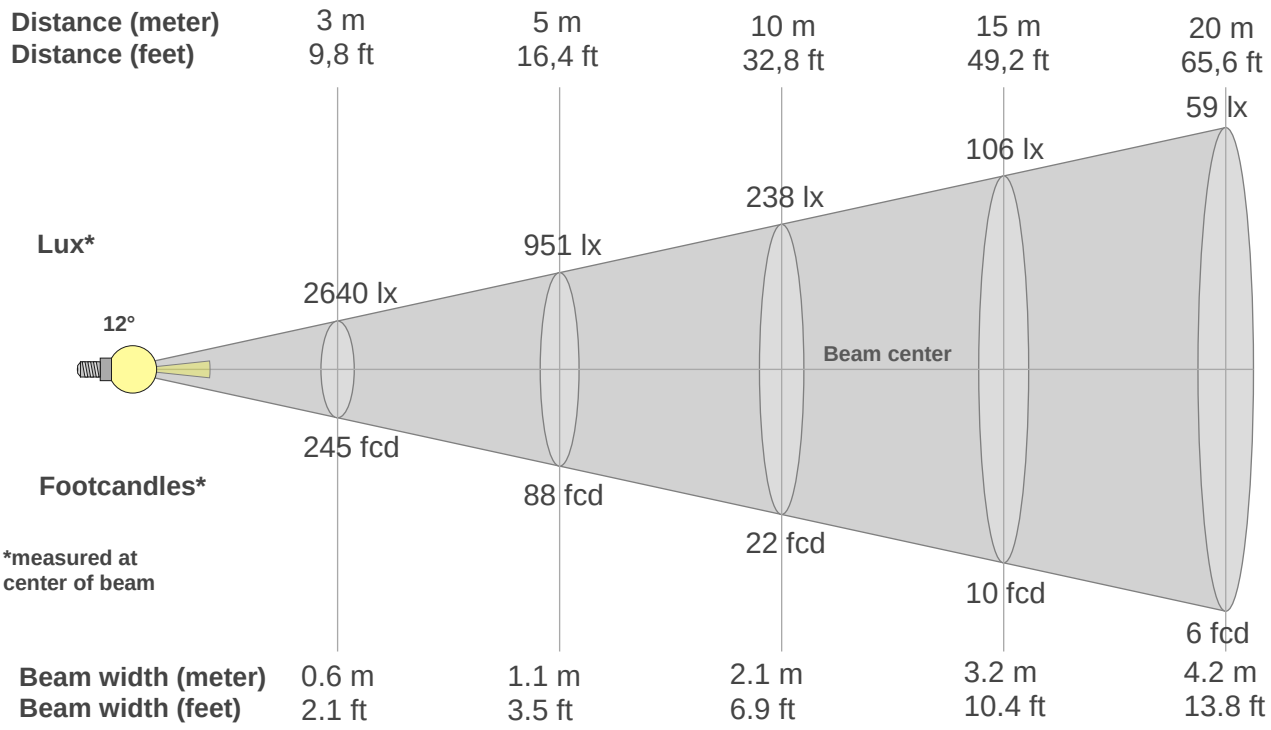
Beam angle 50%: 12°
Field angle 10%: 20.1°
Cut off angle 2.5%: 27.1°

Spectra



BEAM DETAILS

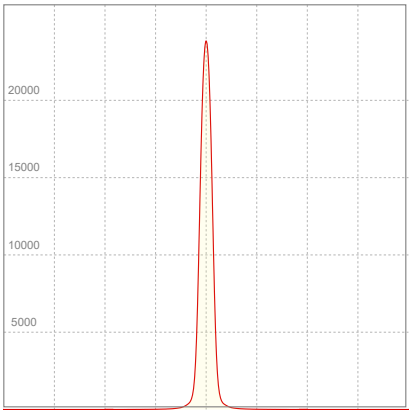
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12°	20.1°	27.1°	99.4%	98.3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23764lx	5941lx	2640lx	1485lx	951lx	422lx	238lx	106lx	59lx	38lx	26lx	15lx	10lx
Footcand.	2208fcd	552fcd	245fcd	138fcd	88fcd	39fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0.2m	0.4m	0.6m	0.8m	1.1m	1.6m	2.1m	3.2m	4.2m	5.3m	6.3m	8.4m	10.5m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	6.9ft	10.4ft	13.8ft	17.3ft	20.7ft	27.6ft	34.5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0.417A	64.2W	0.69	19lm/W

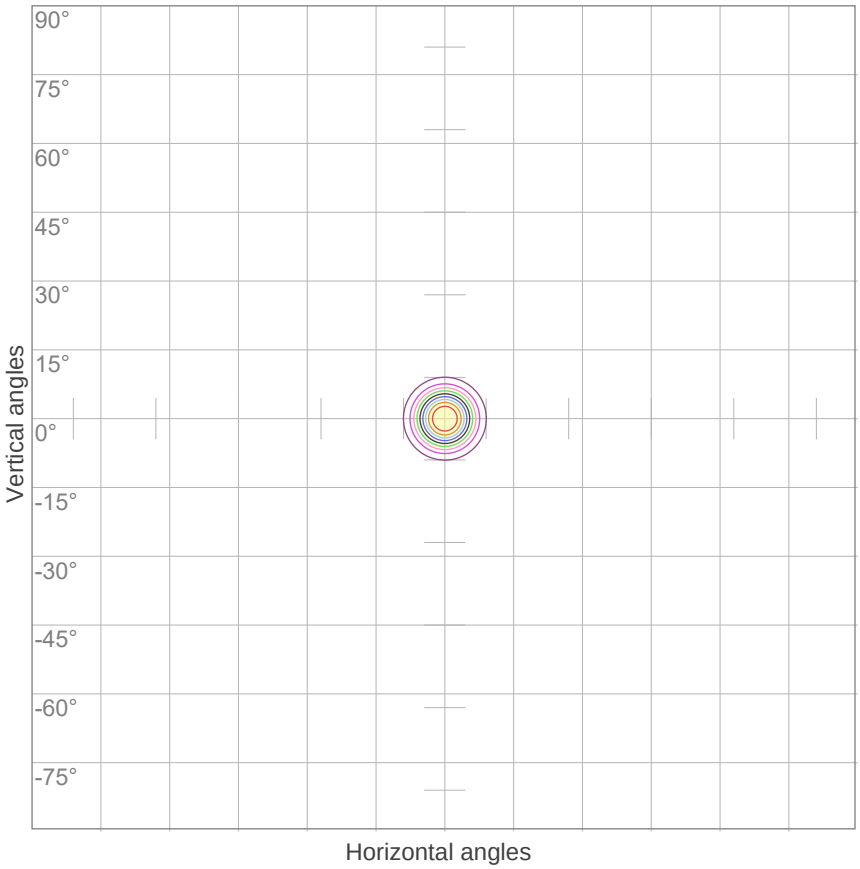
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



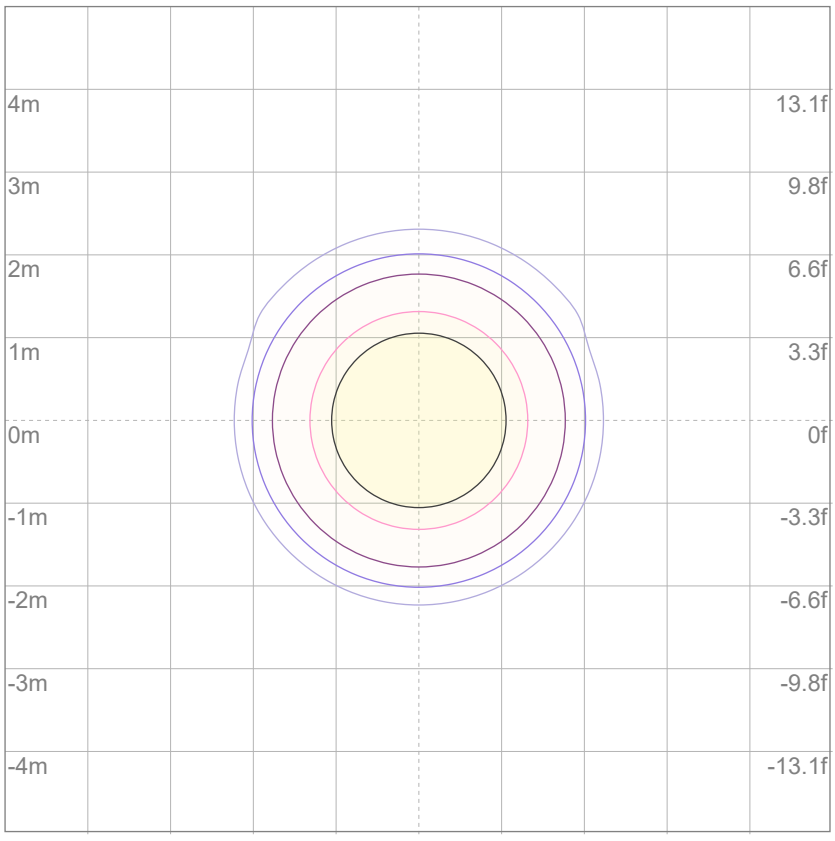
10%	2376 cd
20%	4753 cd
30%	7129 cd
40%	9506 cd
50%	11882 cd
60%	14258 cd
70%	16635 cd
80%	19011 cd
90%	21388 cd

Conditions:

Number of c-planes: 2

Candela at center: 23764 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	7.13 lx
5%	11.9 lx
10%	23.8 lx
30%	71.3 lx
50%	119 lx

Conditions:

Number of c-planes: 2

Lux at center: 238 lx

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

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Total lumen output:

2440 lm

Peak candela output:

3390 cd

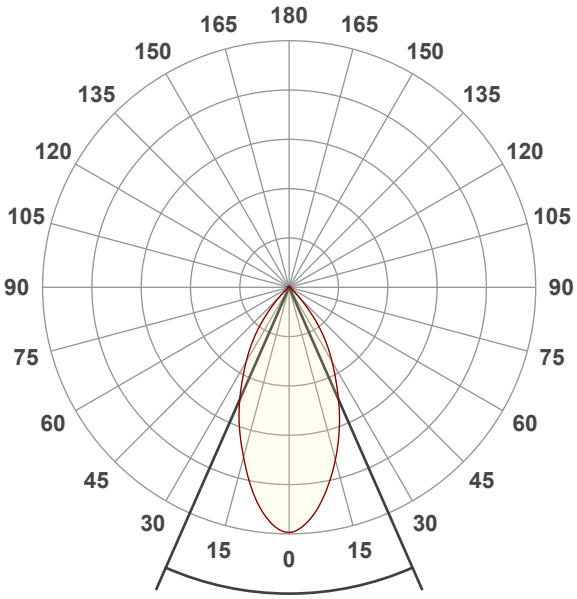
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Green

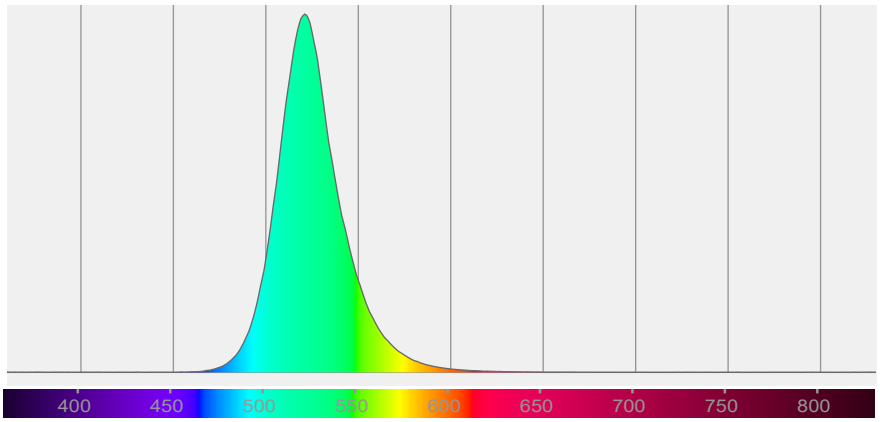
Operator:
Prolight R&D

Date and time:
8/29/2026 3:07:32 PM



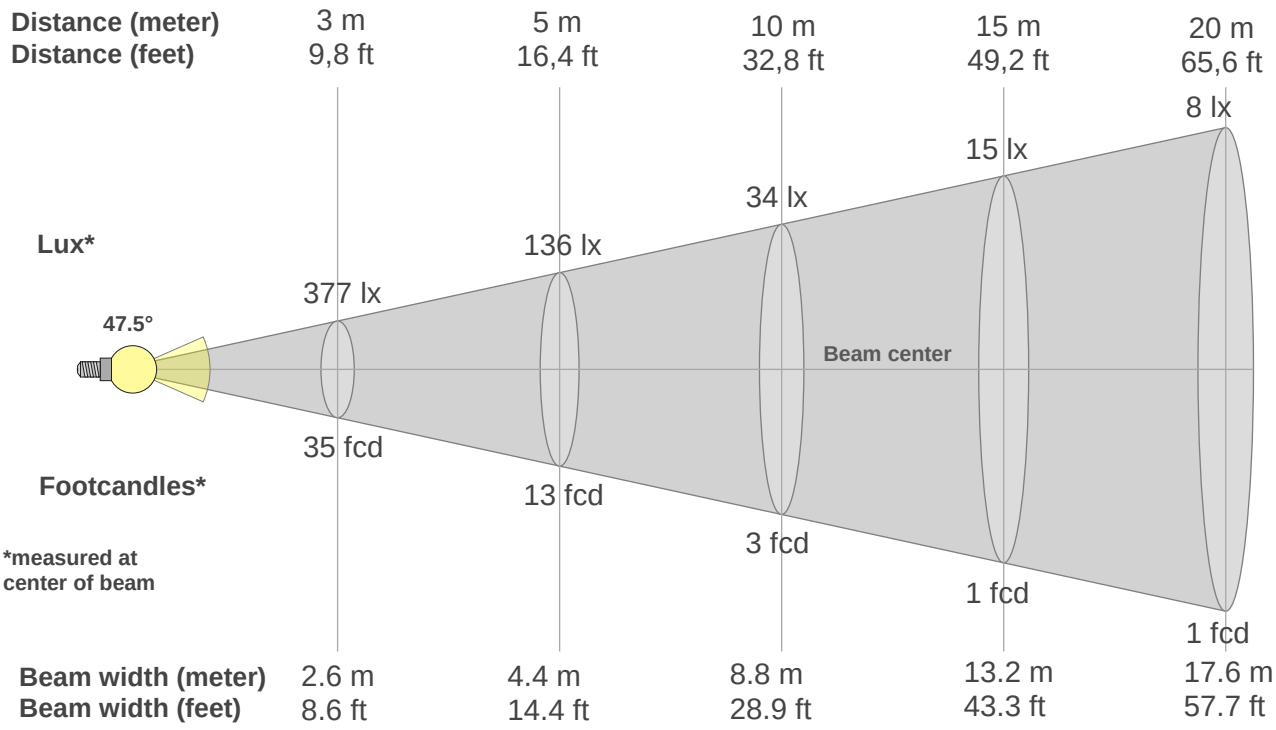
Beam angle 50%: 47.5°
Field angle 10%: 84.5°
Cut off angle 2.5%: 99.2°

Spectra



BEAM DETAILS

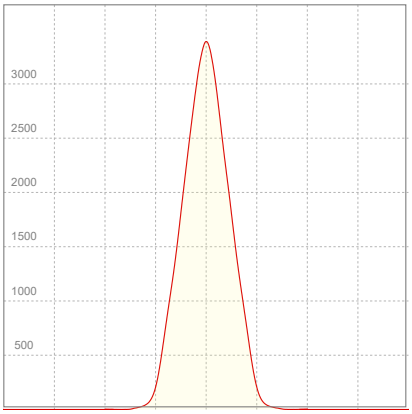
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.5°	84.5°	99.2°	99.6%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3390lx	847lx	377lx	212lx	136lx	60lx	34lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	315fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0.9m	1.8m	2.6m	3.5m	4.4m	6.6m	8.8m	13.2m	17.6m	22m	26.4m	35.2m	44m
Beam wid.	2.9ft	5.8ft	8.6ft	11.5ft	14.4ft	21.7ft	28.9ft	43.3ft	57.7ft	72.2ft	86.6ft	115.5ft	144.3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0.397A	58.2W	0.65	42lm/W

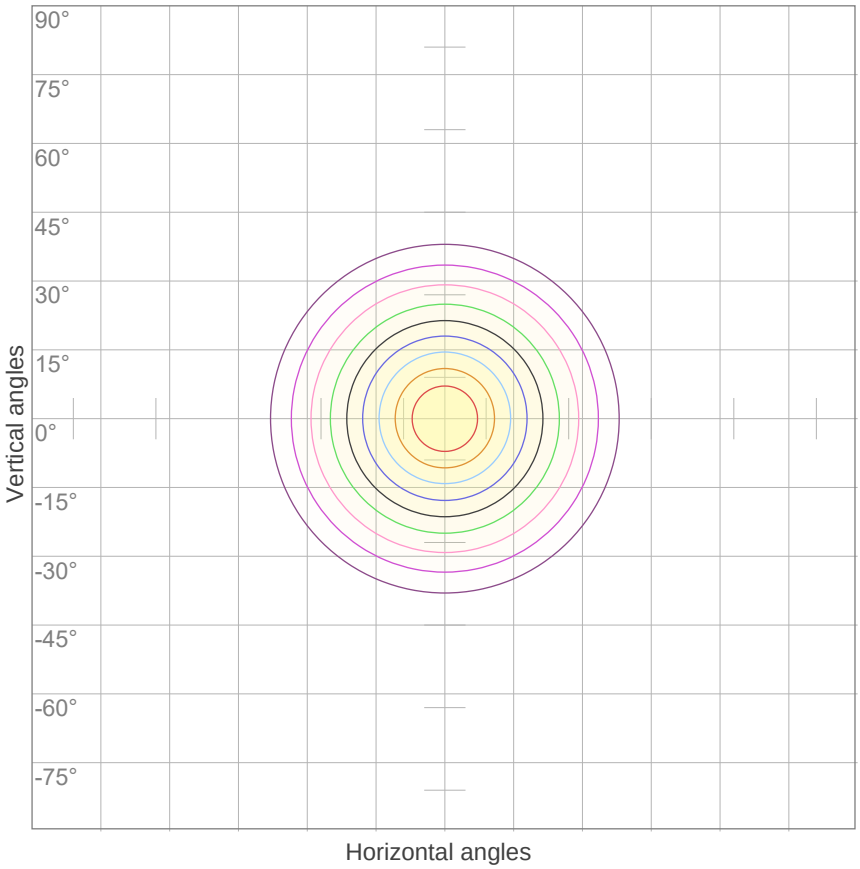
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



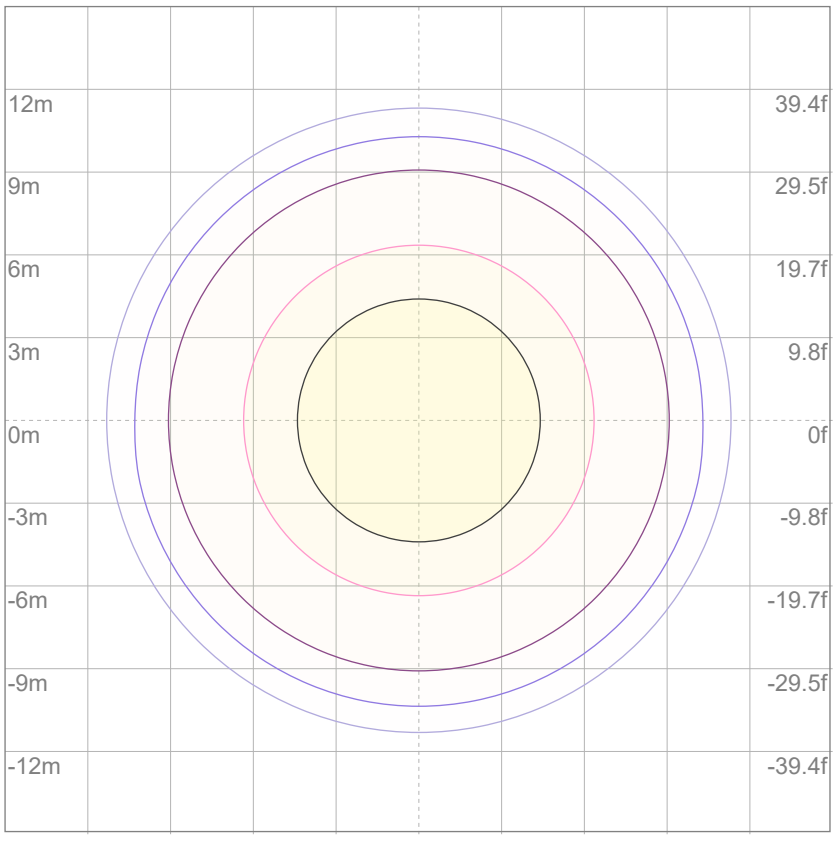
10%	339 cd
20%	678 cd
30%	1017 cd
40%	1356 cd
50%	1695 cd
60%	2034 cd
70%	2373 cd
80%	2712 cd
90%	3051 cd

Conditions:

Number of c-planes: 2

Candela at center: 3390 cd

ISO LUX DIAGRAM



3%	1.02 lx
5%	1.69 lx
10%	3.39 lx
30%	10.2 lx
50%	16.9 lx

Conditions:

Number of c-planes: 2

Lux at center: 33.9 lx

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

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Total lumen output:

2271 lm

Peak candela output:

11071 cd

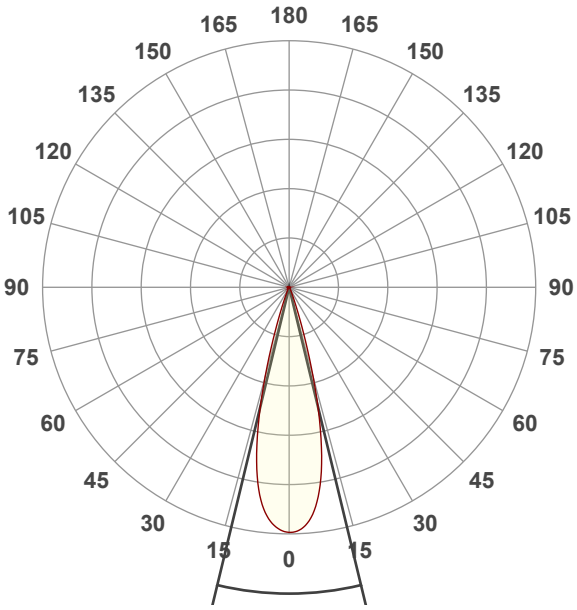
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Green

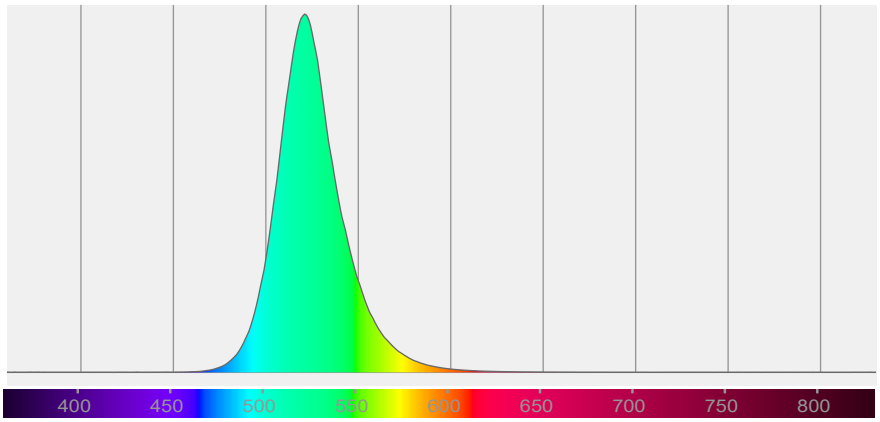
Operator:
Prolight R&D

Date and time:
8/29/2026 2:30:32 PM



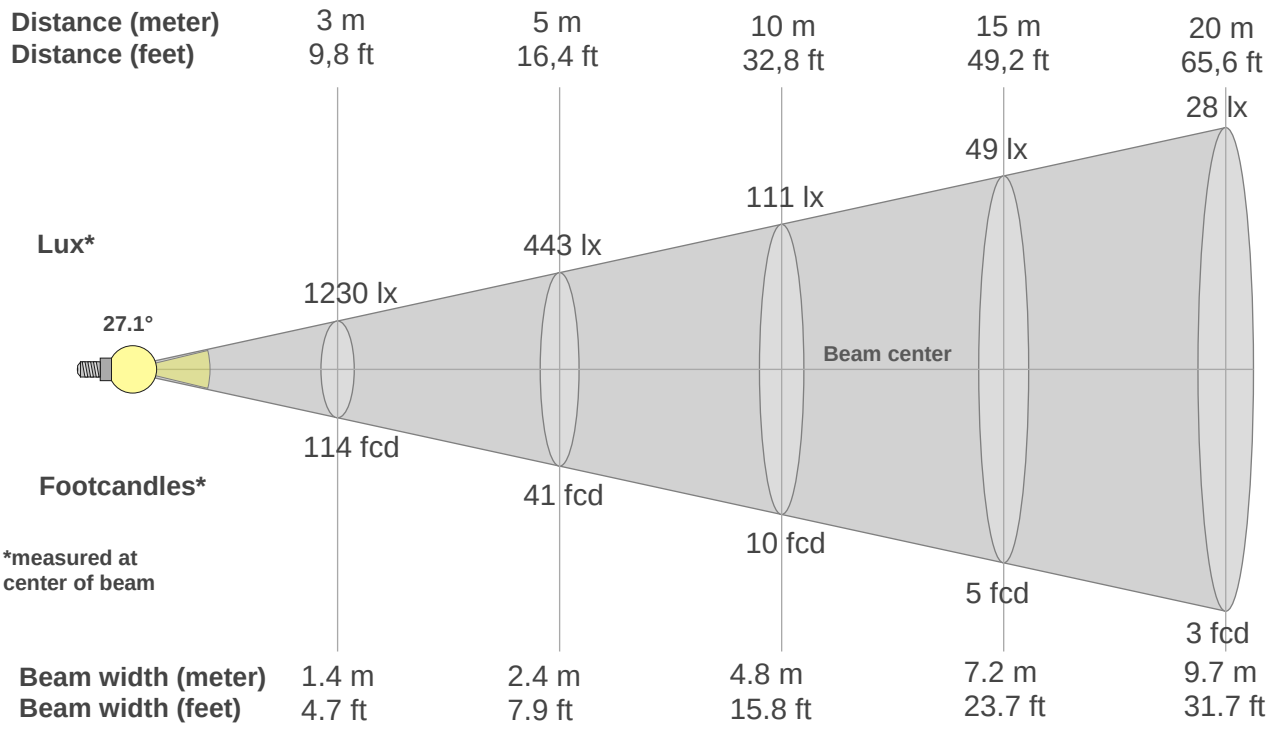
Beam angle 50%: 27.1°
Field angle 10%: 39°
Cut off angle 2.5%: 48.8°

Spectra



BEAM DETAILS

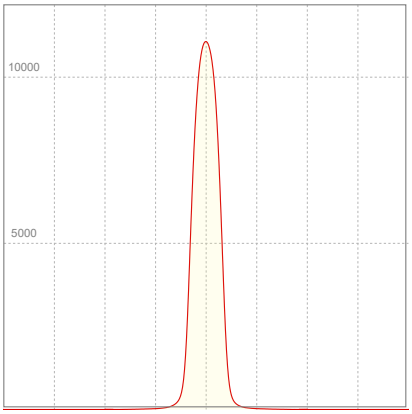
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.1°	39°	48.8°	99.6%	98.6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11066lx	2766lx	1230lx	692lx	443lx	197lx	111lx	49lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1028fcd	257fcd	114fcd	64fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.1m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.7ft	31.7ft	39.6ft	47.5ft	63.3ft	79.1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0.396A	58.2W	0.65	39lm/W

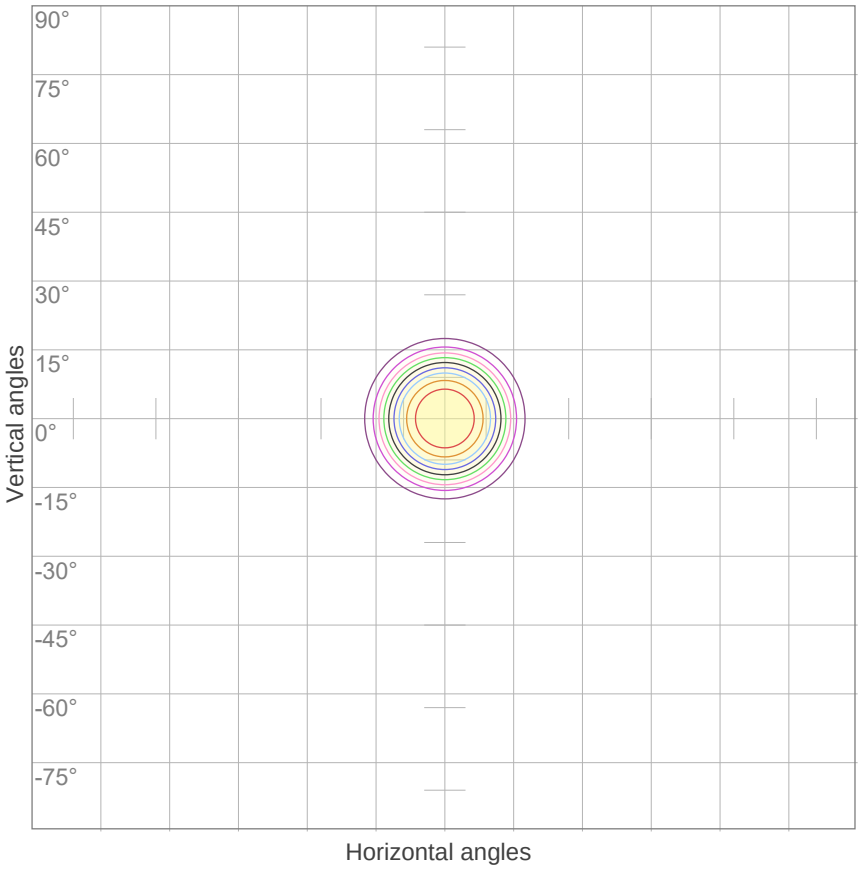
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



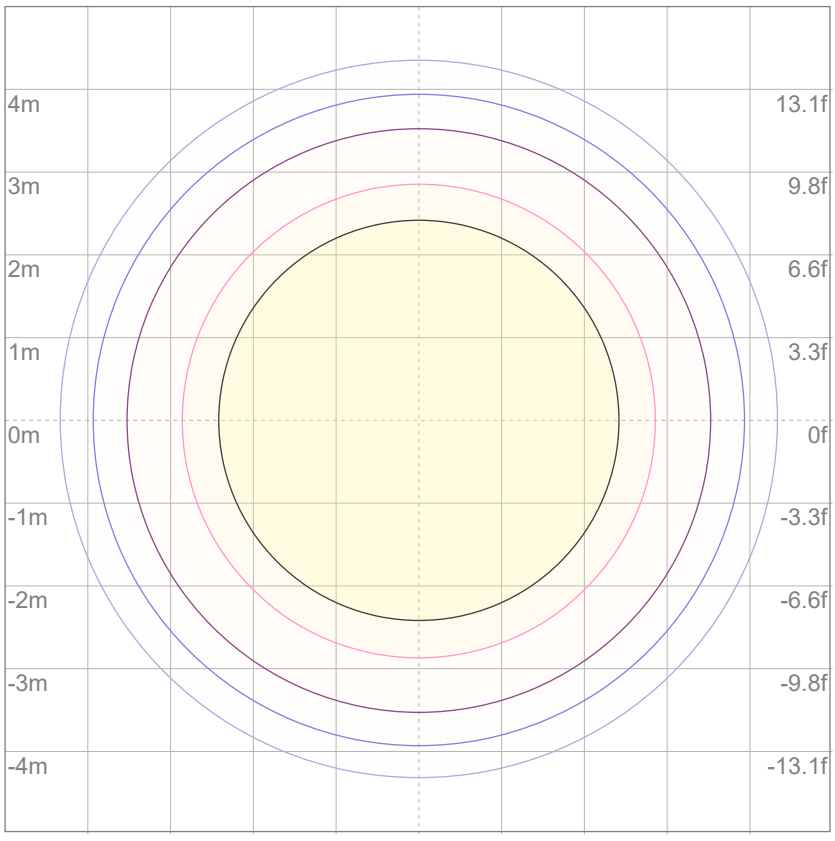
10%	1107 cd
20%	2213 cd
30%	3320 cd
40%	4426 cd
50%	5533 cd
60%	6639 cd
70%	7746 cd
80%	8853 cd
90%	9959 cd

Conditions:

Number of c-planes: 2

Candela at center: 11066 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3.32 lx
5%	5.53 lx
10%	11.1 lx
30%	33.2 lx
50%	55.3 lx

Conditions:

Number of c-planes: 2

Lux at center: 111 lx

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



Total lumen output:

1586 lm

Peak candela output:

29816 cd

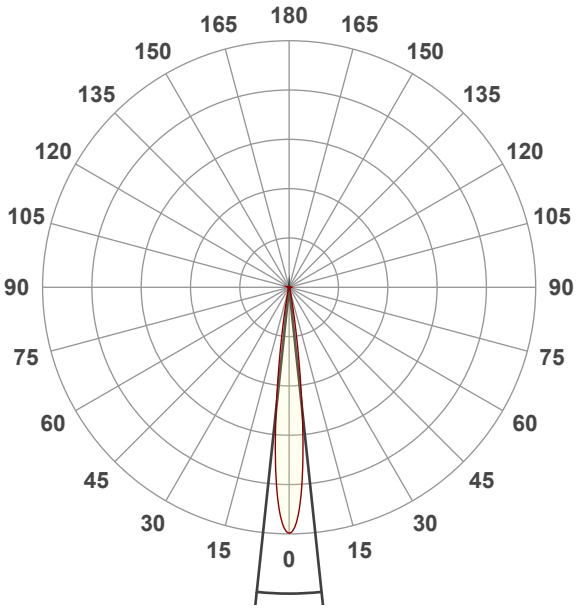
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Green

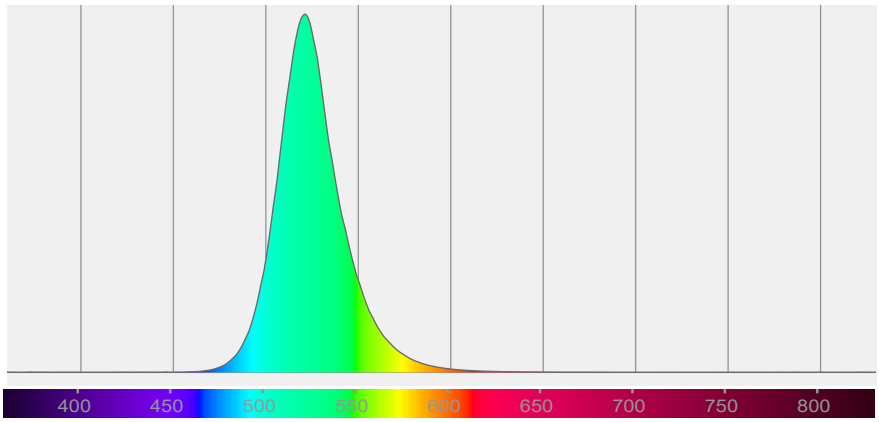
Operator:
Prolight R&D

Date and time:
8/29/2026 2:01:54 PM



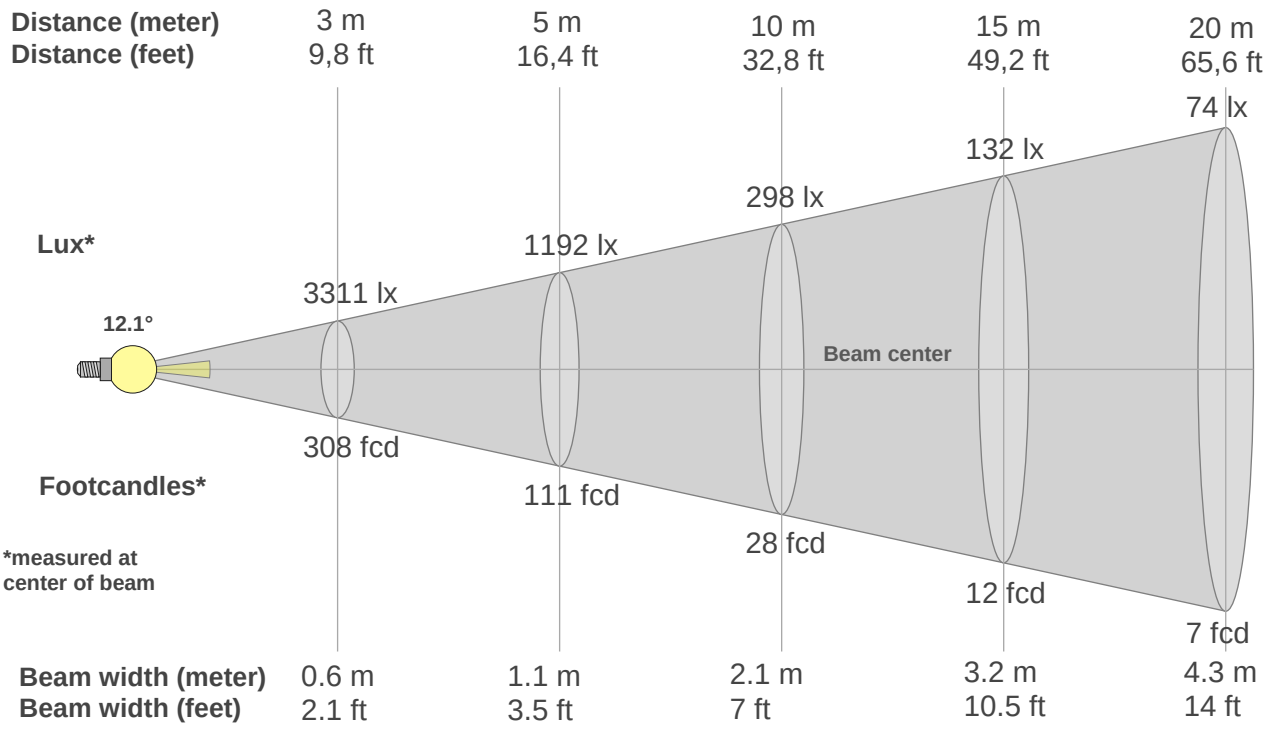
Beam angle 50%: 12.1°
Field angle 10%: 20.4°
Cut off angle 2.5%: 27.9°

Spectra



BEAM DETAILS

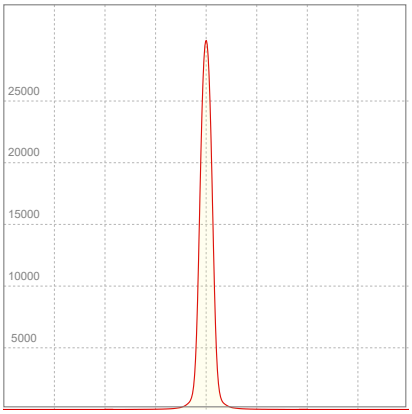
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.4°	27.9°	99.3%	98.0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	29799lx	7450lx	3311lx	1862lx	1192lx	530lx	298lx	132lx	74lx	48lx	33lx	19lx	12lx
Footcand.	2768fcd	692fcd	308fcd	173fcd	111fcd	49fcd	28fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	14ft	17.4ft	20.9ft	27.9ft	34.9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0.395A	58.0W	0.65	27lm/W

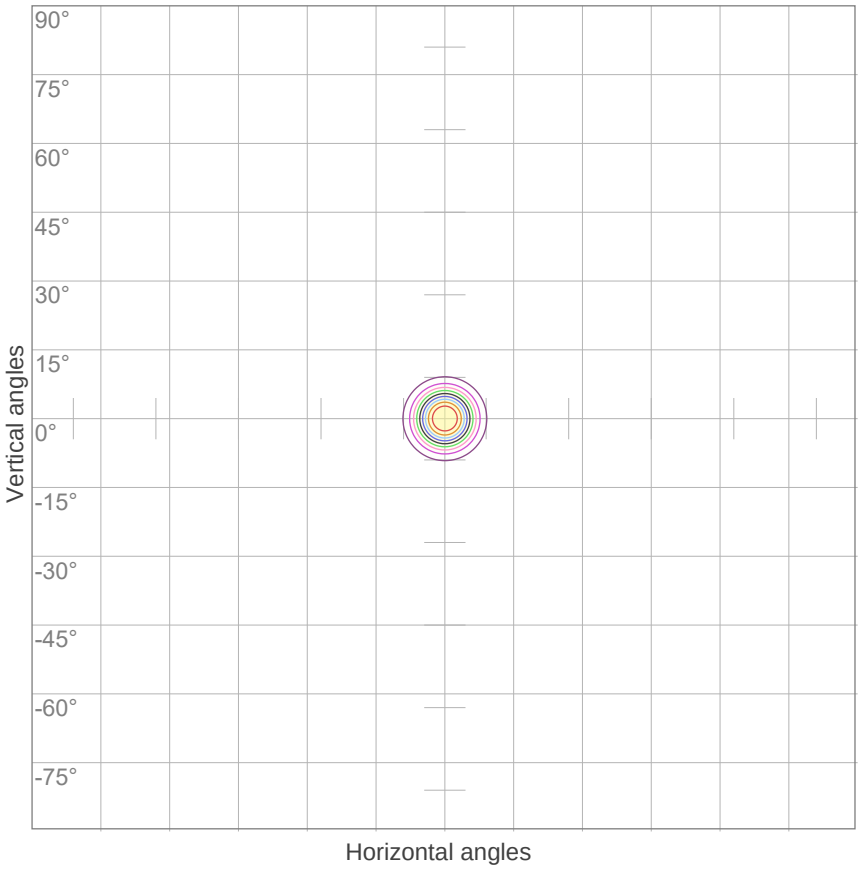
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



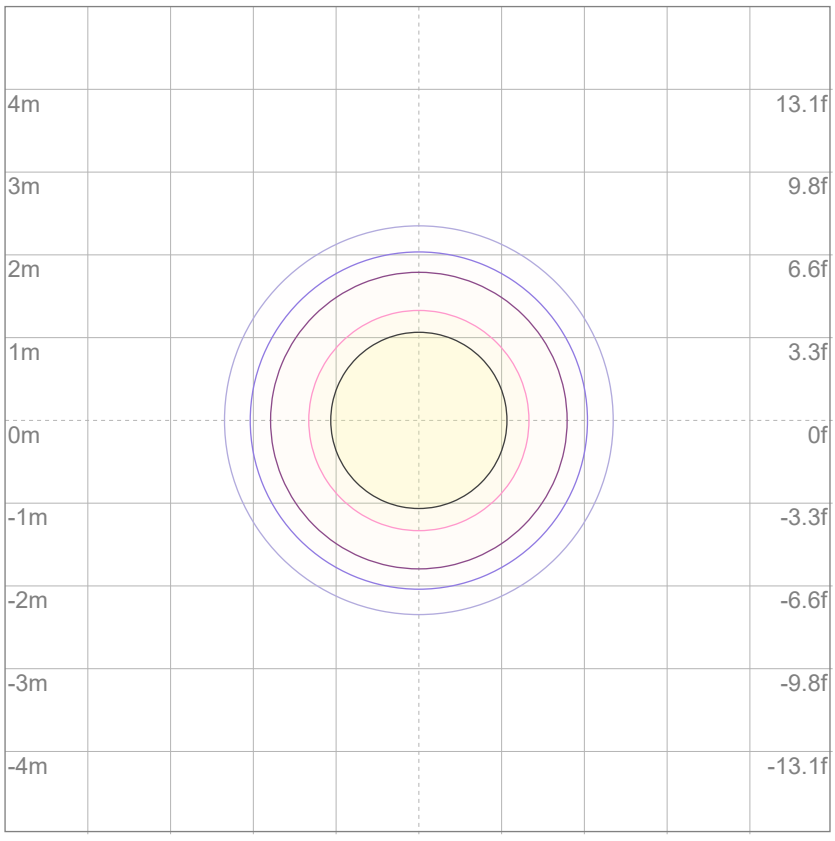
10%	2980 cd
20%	5960 cd
30%	8940 cd
40%	11920 cd
50%	14899 cd
60%	17879 cd
70%	20859 cd
80%	23839 cd
90%	26819 cd

Conditions:

Number of c-planes: 2

Candela at center: 29799 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	8.94 lx
5%	14.9 lx
10%	29.8 lx
30%	89.4 lx
50%	149 lx

Conditions:

Number of c-planes: 2

Lux at center: 298 lx

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

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Total lumen output:

657 lm

Peak candela output:

896 cd

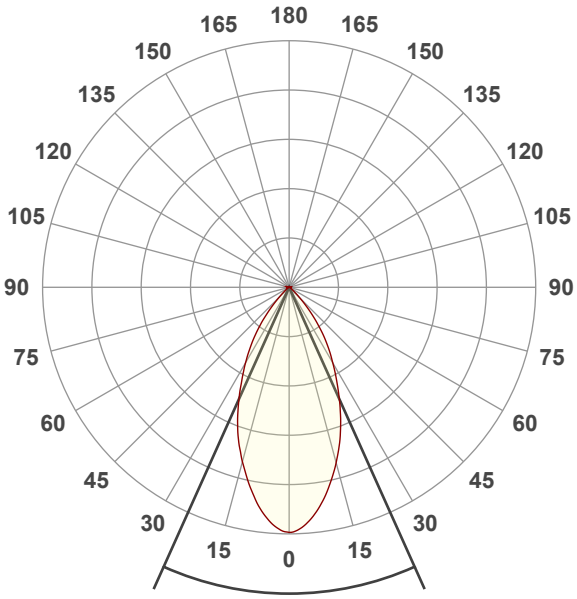
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Blue

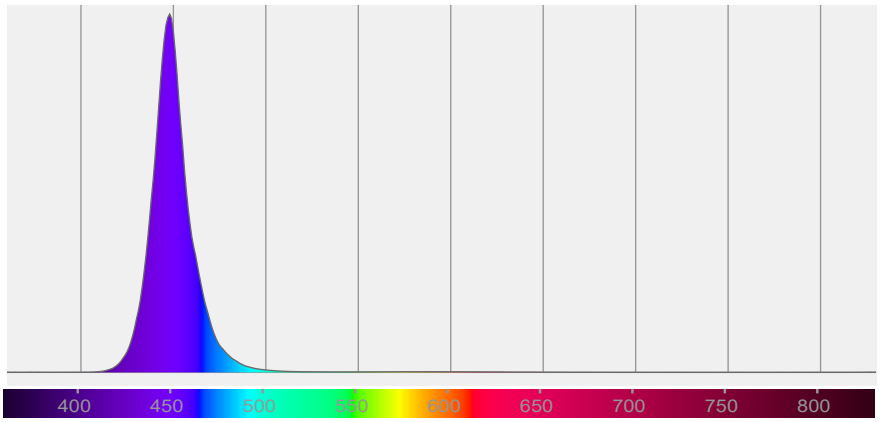
Operator:
Prolight R&D

Date and time:
8/29/2026 3:10:29 PM



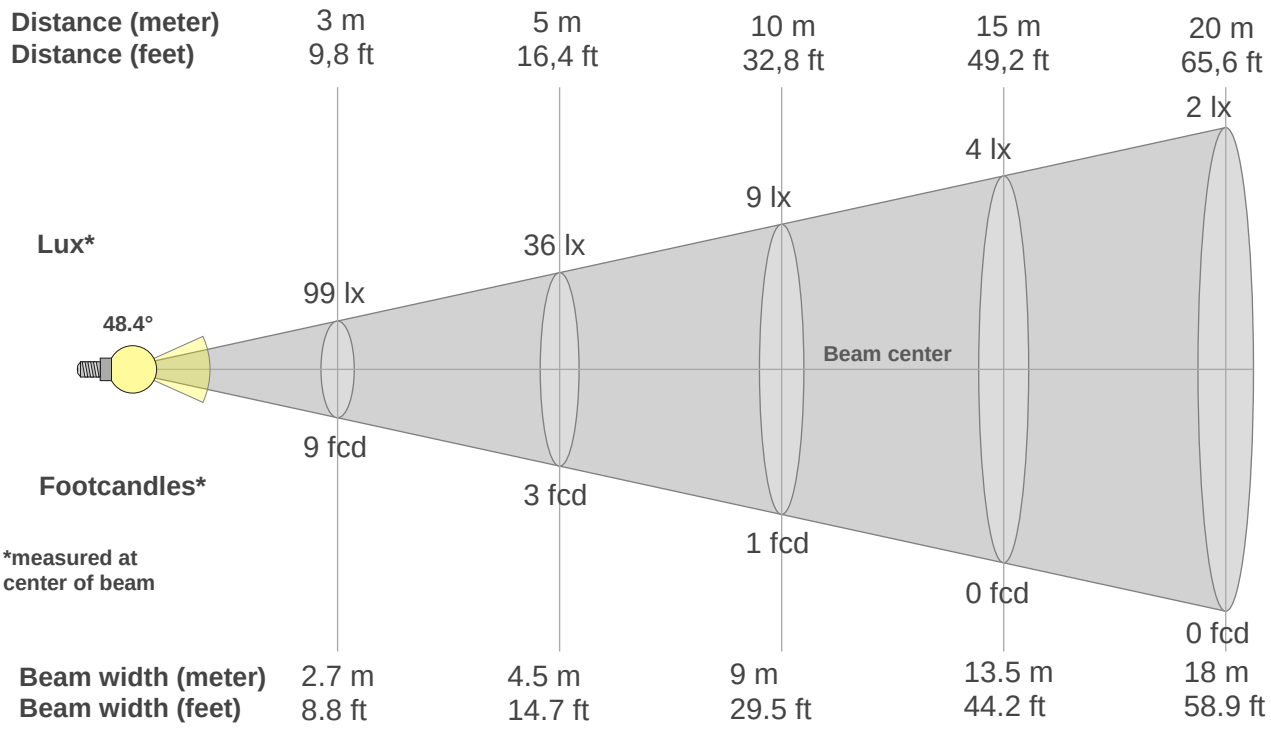
Beam angle 50%: 48.4°
Field angle 10%: 84.7°
Cut off angle 2.5%: 99.5°

Spectra



BEAM DETAILS

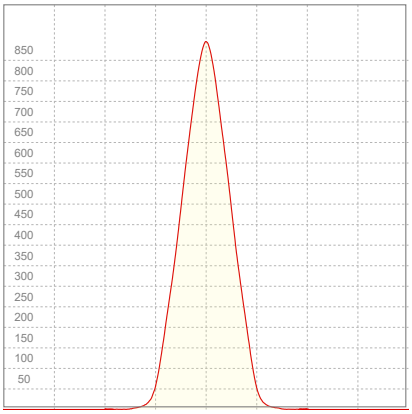
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.4°	84.7°	99.5°	99.4%	95.8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	895lx	224lx	99lx	56lx	36lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	83fcd	21fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	9m	13.5m	18m	22.4m	26.9m	35.9m	44.9m
Beam wid.	3ft	5.9ft	8.8ft	11.8ft	14.7ft	22.1ft	29.5ft	44.2ft	58.9ft	73.6ft	88.4ft	117.8ft	147.3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0.422A	64.1W	0.67	10lm/W

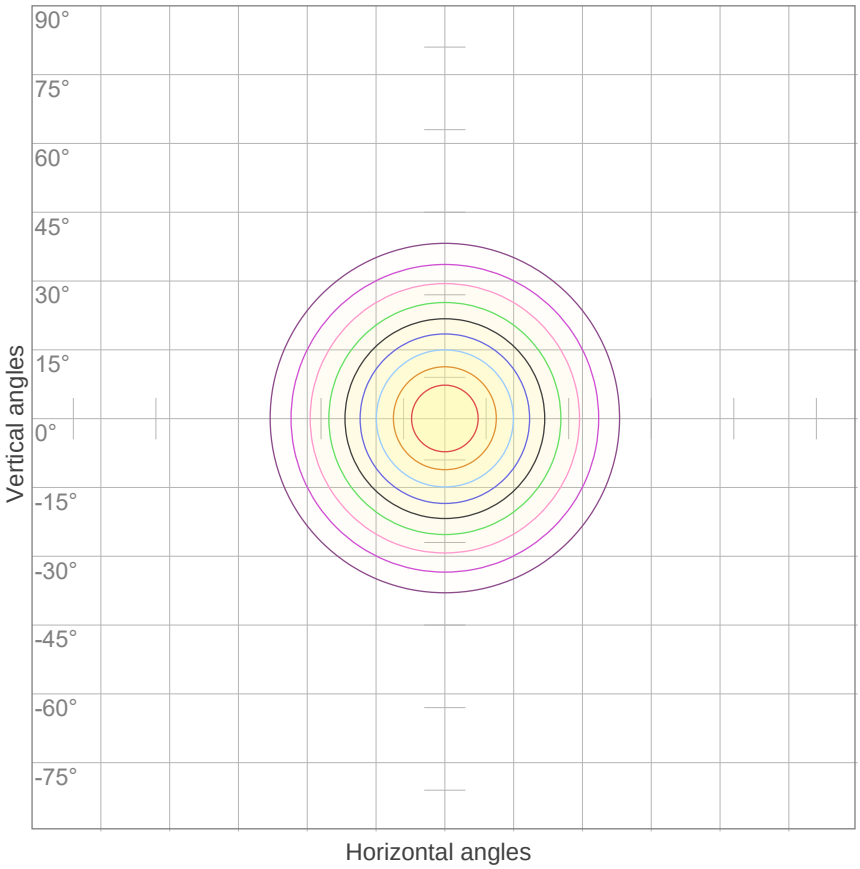
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



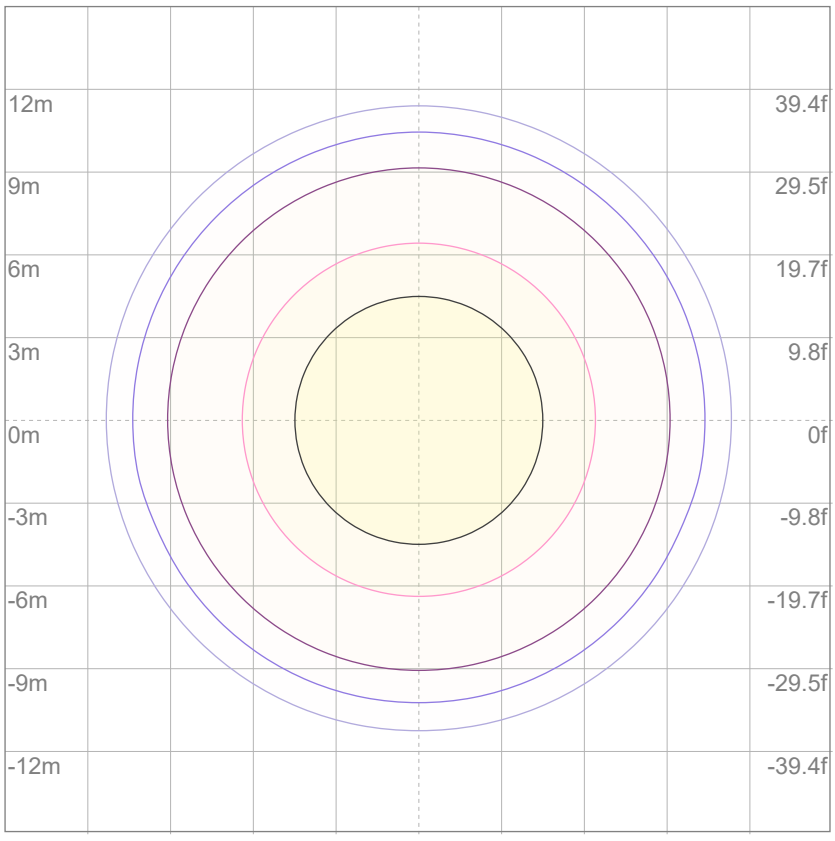
10%	90 cd
20%	179 cd
30%	269 cd
40%	358 cd
50%	448 cd
60%	537 cd
70%	627 cd
80%	716 cd
90%	806 cd

Conditions:

Number of c-planes: 2

Candela at center: 895 cd

ISO LUX DIAGRAM



3%	0.269 lx
5%	0.448 lx
10%	0.895 lx
30%	2.69 lx
50%	4.48 lx

Conditions:

Number of c-planes: 2

Lux at center: 8.95 lx

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



Total lumen output:

603 lm

Peak candela output:

2886 cd

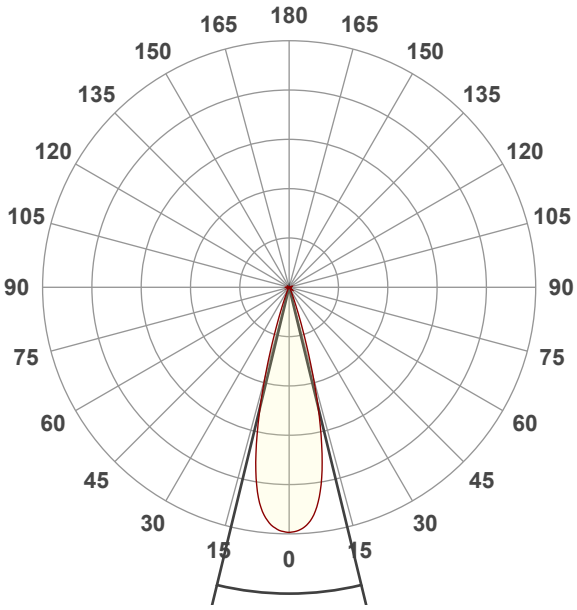
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Blue

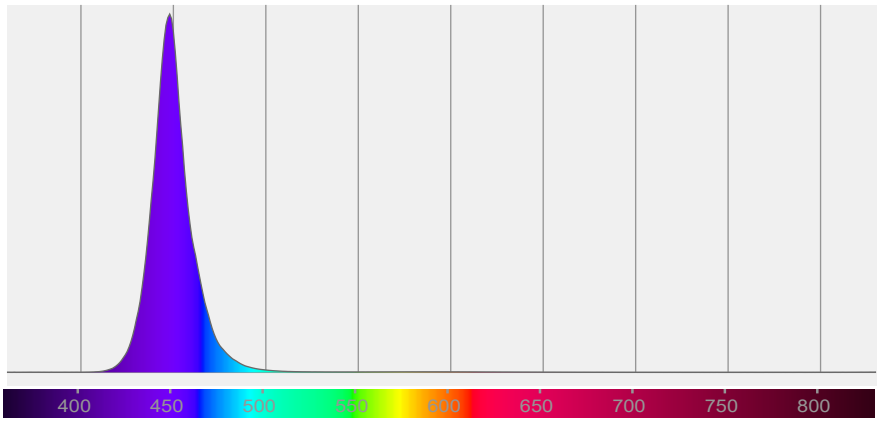
Operator:
Prolight R&D

Date and time:
8/29/2026 2:32:32 PM



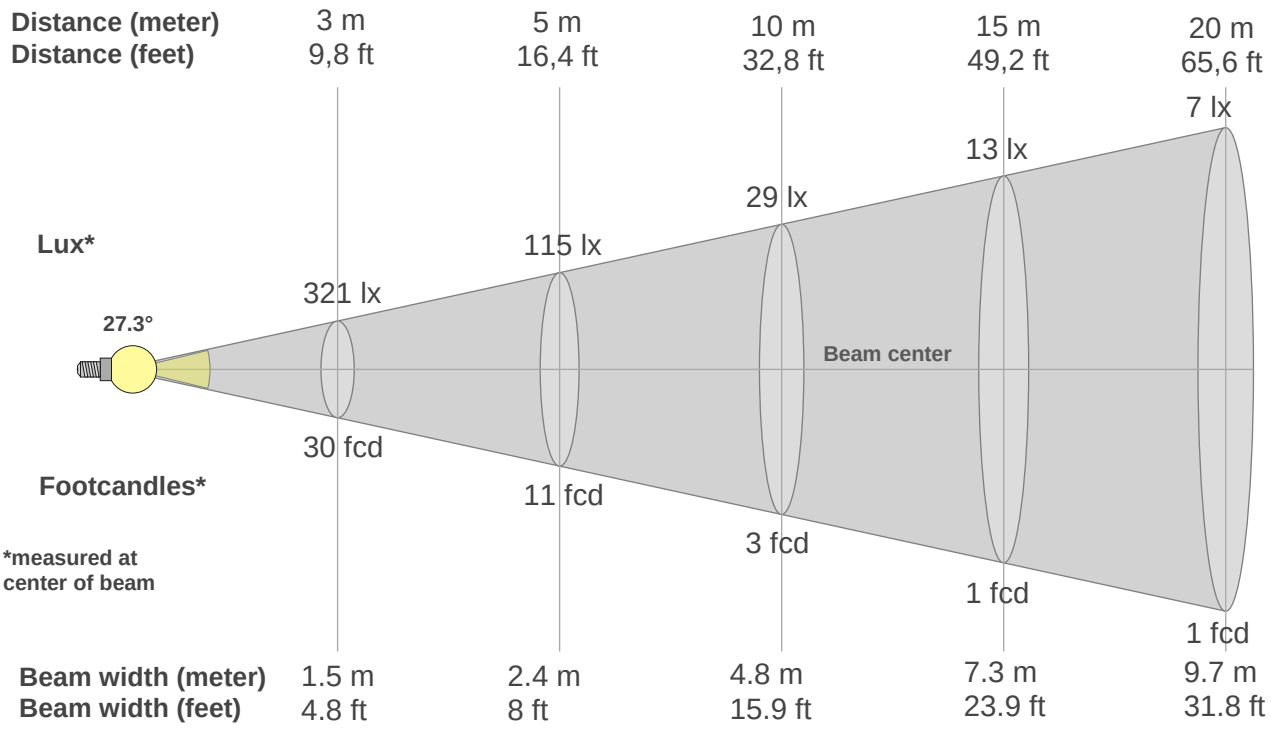
Beam angle 50%: 27.3°
Field angle 10%: 39.1°
Cut off angle 2.5%: 48.9°

Spectra



BEAM DETAILS

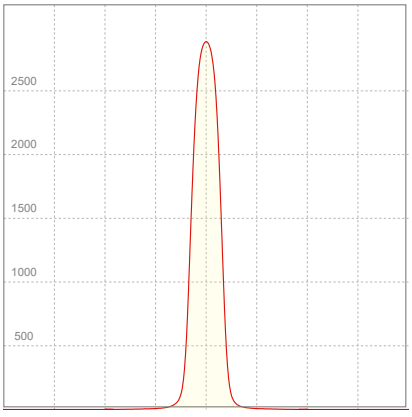
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.3°	39.1°	48.9°	99.2%	98.1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2885lx	721lx	321lx	180lx	115lx	51lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	268fcd	67fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0.5m	1m	1.5m	1.9m	2.4m	3.6m	4.8m	7.3m	9.7m	12.1m	14.5m	19.4m	24.2m
Beam wid.	1.6ft	3.2ft	4.8ft	6.4ft	8ft	11.9ft	15.9ft	23.9ft	31.8ft	39.8ft	47.7ft	63.6ft	79.5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0.417A	64.1W	0.69	9lm/W

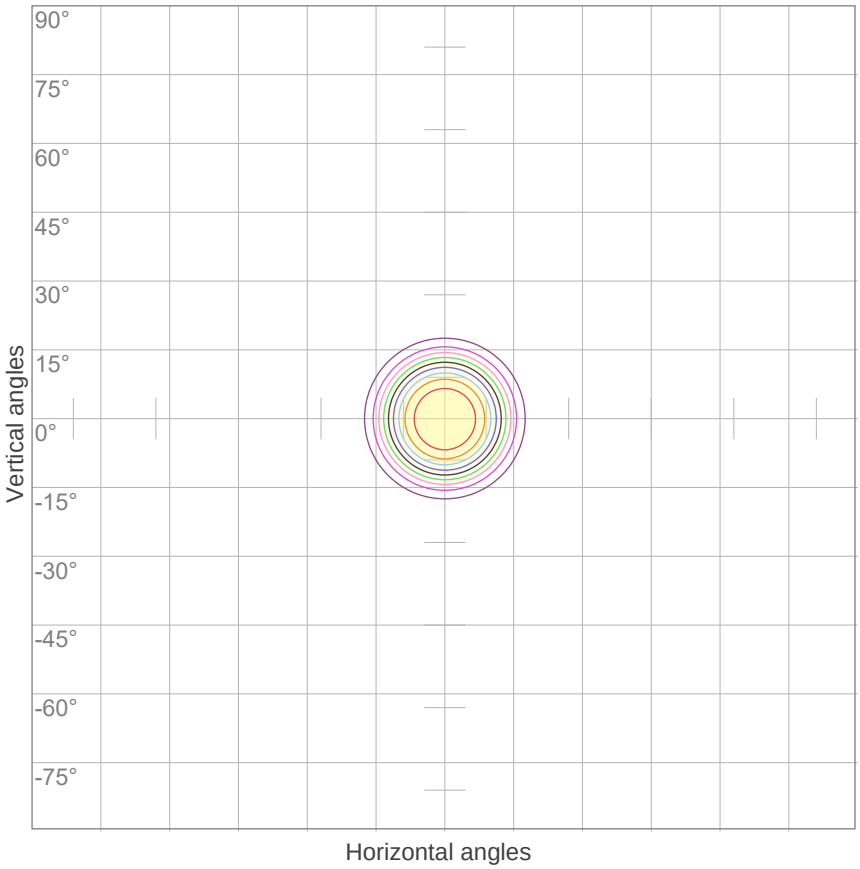
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



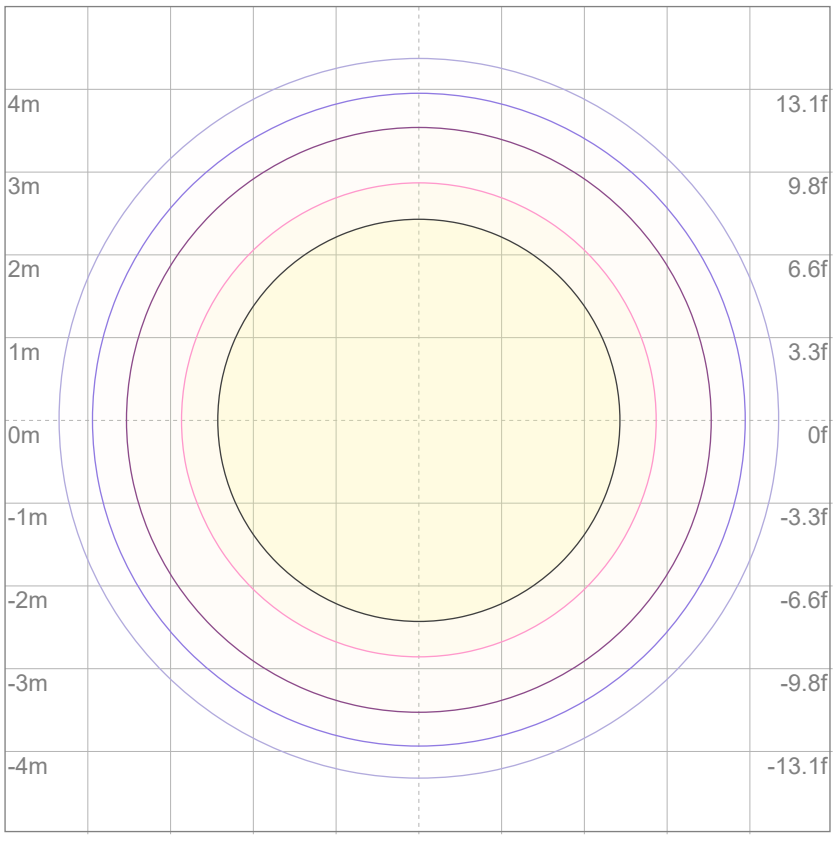
10%	289 cd
20%	577 cd
30%	866 cd
40%	1154 cd
50%	1443 cd
60%	1731 cd
70%	2020 cd
80%	2308 cd
90%	2597 cd

Conditions:

Number of c-planes: 2

Candela at center: 2885 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0.866 lx
5%	1.44 lx
10%	2.89 lx
30%	8.66 lx
50%	14.4 lx

Conditions:

Number of c-planes: 2

Lux at center: 28.9 lx

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

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Total lumen output:

423 lm

Peak candela output:

7812 cd

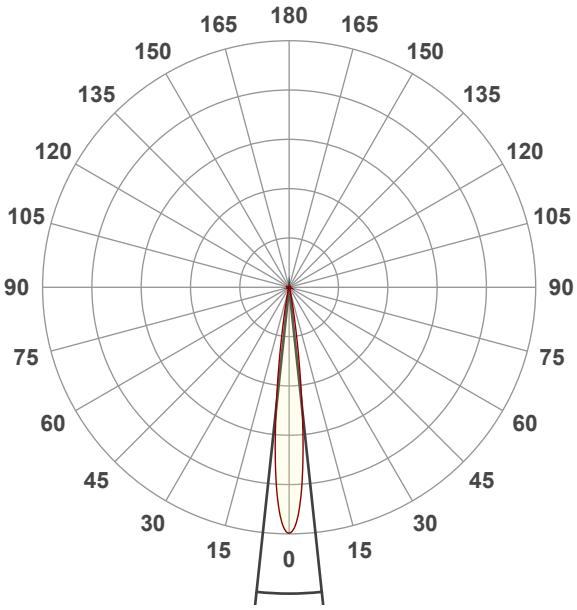
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Blue

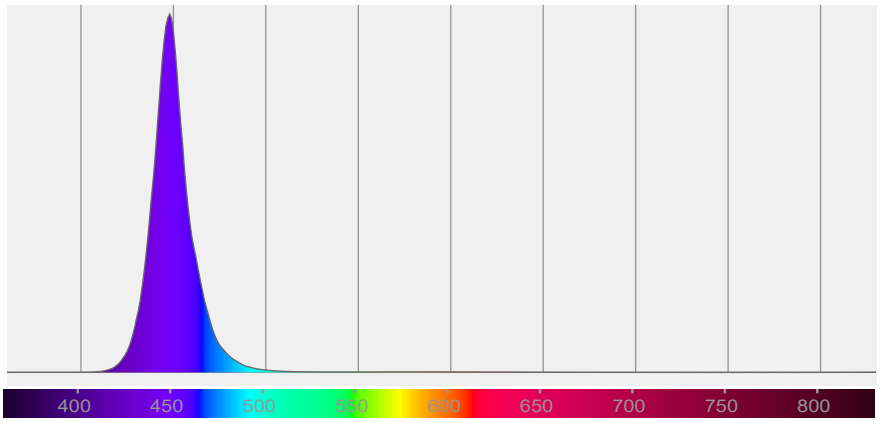
Operator:
Prolight R&D

Date and time:
8/29/2026 2:03:53 PM



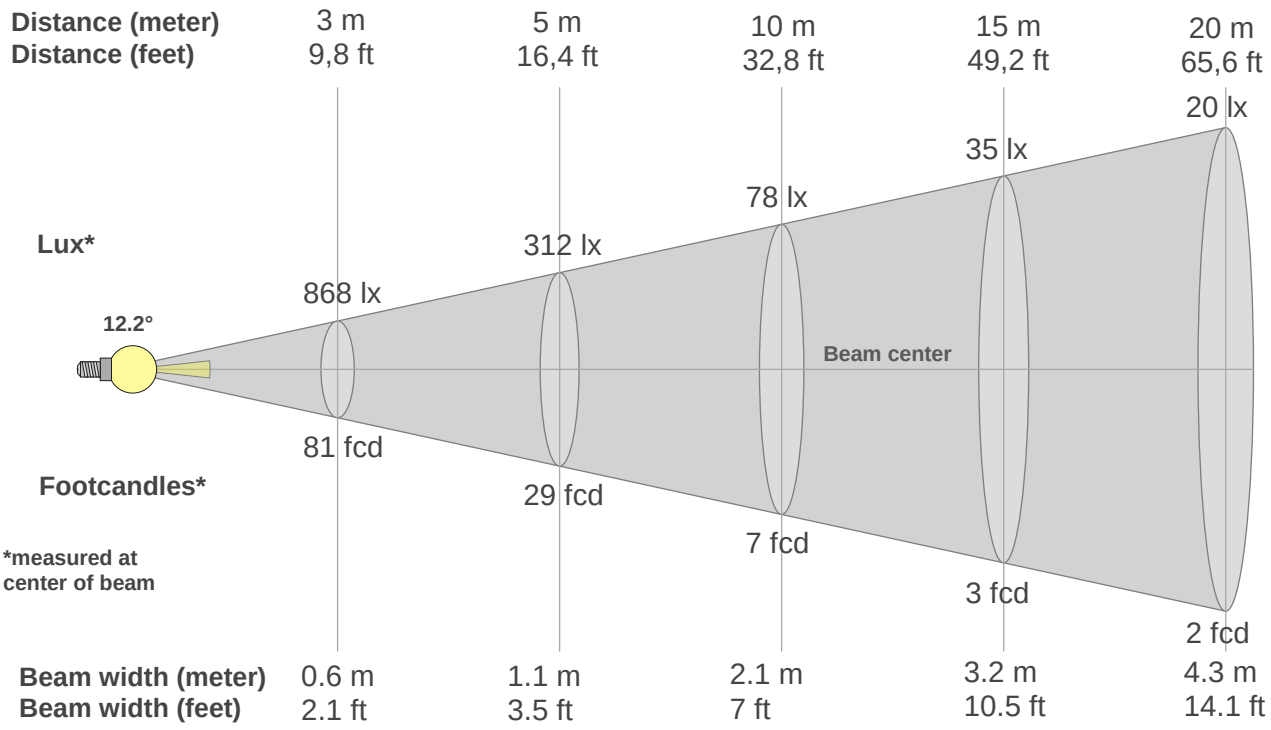
Beam angle 50%: 12.2°
Field angle 10%: 20.6°
Cut off angle 2.5%: 28.2°

Spectra



BEAM DETAILS

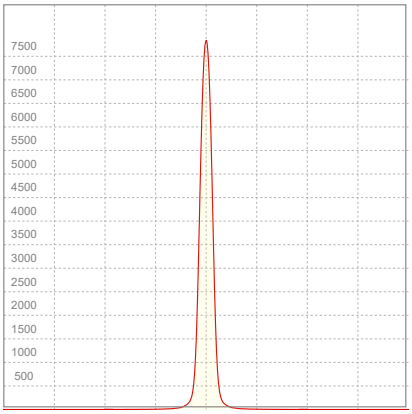
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.2°	20.6°	28.2°	98.8%	97.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7809lx	1952lx	868lx	488lx	312lx	139lx	78lx	35lx	20lx	12lx	9lx	5lx	3lx
Footcand.	725fcd	181fcd	81fcd	45fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.4m	6.4m	8.6m	10.7m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.3ft	7ft	10.5ft	14.1ft	17.6ft	21.1ft	28.1ft	35.1ft

LINEAR DISTRIBUTION DIAGRAM

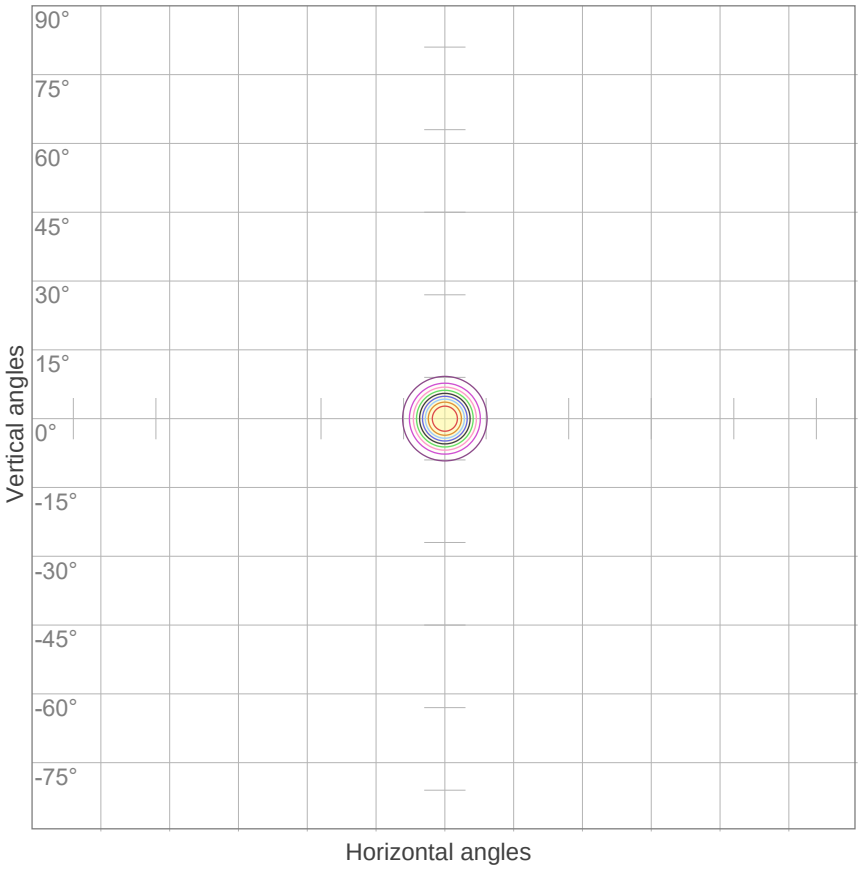


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0.416A	63.7W	0.68	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



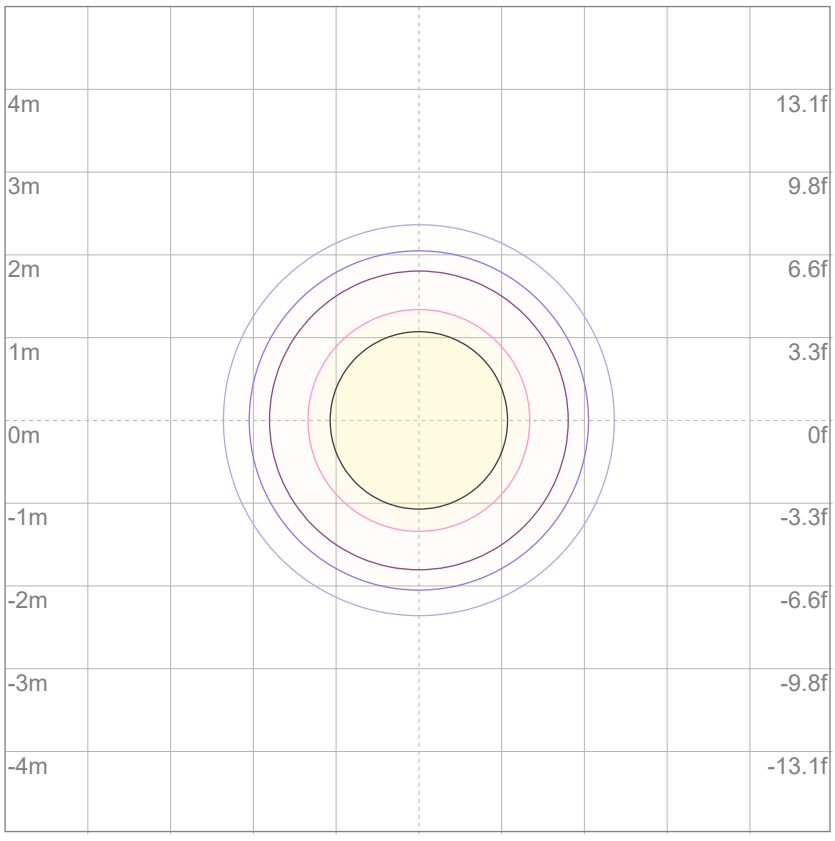
10%	781 cd
20%	1562 cd
30%	2343 cd
40%	3123 cd
50%	3904 cd
60%	4685 cd
70%	5466 cd
80%	6247 cd
90%	7028 cd

Conditions:

Number of c-planes: 2

Candela at center: 7809 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2.34 lx
5%	3.90 lx
10%	7.81 lx
30%	23.4 lx
50%	39.0 lx

Conditions:

Number of c-planes: 2

Lux at center: 78.1 lx

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

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Total lumen output:

1880 lm

Peak candela output:

2607 cd

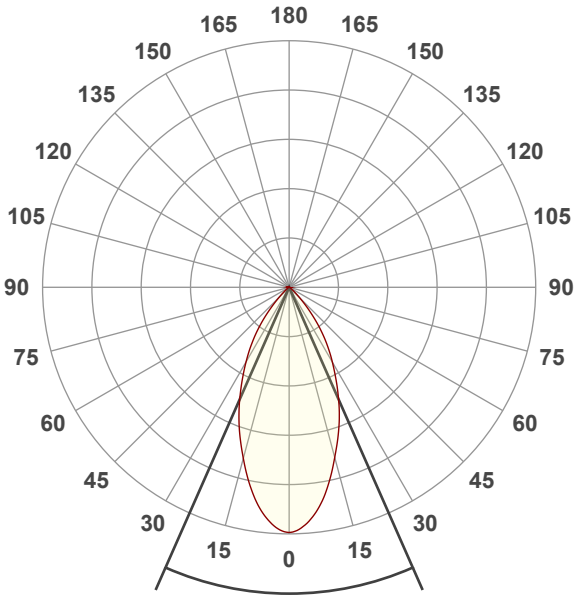
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Cyan

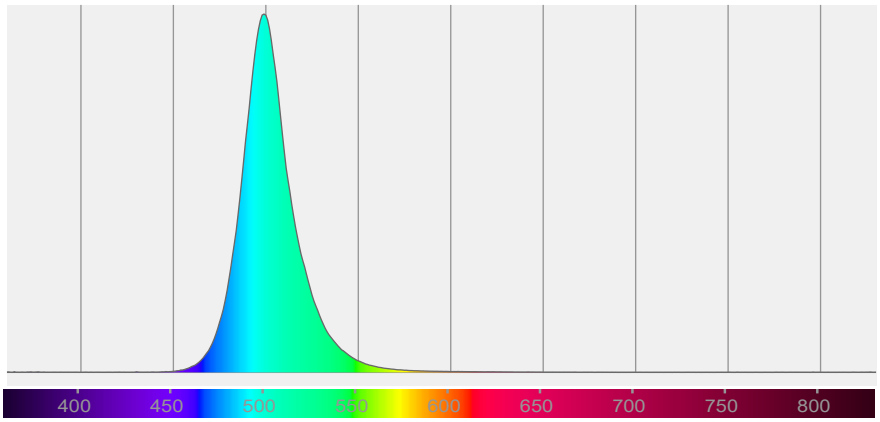
Operator:
Prolight R&D

Date and time:
8/29/2026 3:12:23 PM



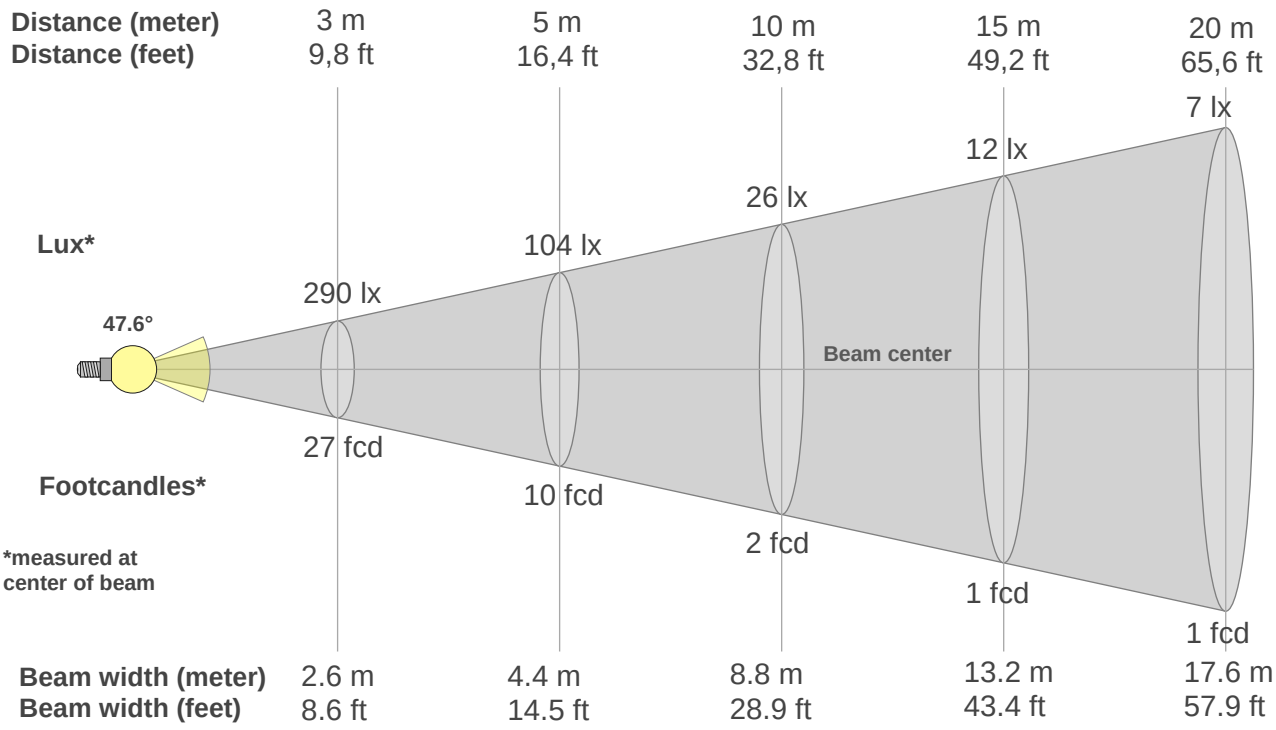
Beam angle 50%: 47.6°
Field angle 10%: 84.5°
Cut off angle 2.5%: 99.2°

Spectra



BEAM DETAILS

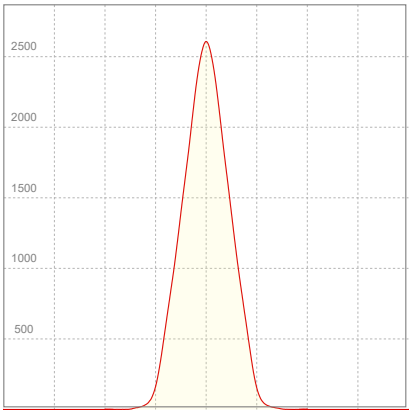
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.6°	84.5°	99.2°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2606lx	652lx	290lx	163lx	104lx	46lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	242fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0.9m	1.8m	2.6m	3.5m	4.4m	6.6m	8.8m	13.2m	17.6m	22.1m	26.5m	35.3m	44.1m
Beam wid.	2.9ft	5.8ft	8.6ft	11.6ft	14.5ft	21.7ft	28.9ft	43.4ft	57.9ft	72.3ft	86.8ft	115.8ft	144.7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0.406A	61.1W	0.66	31lm/W

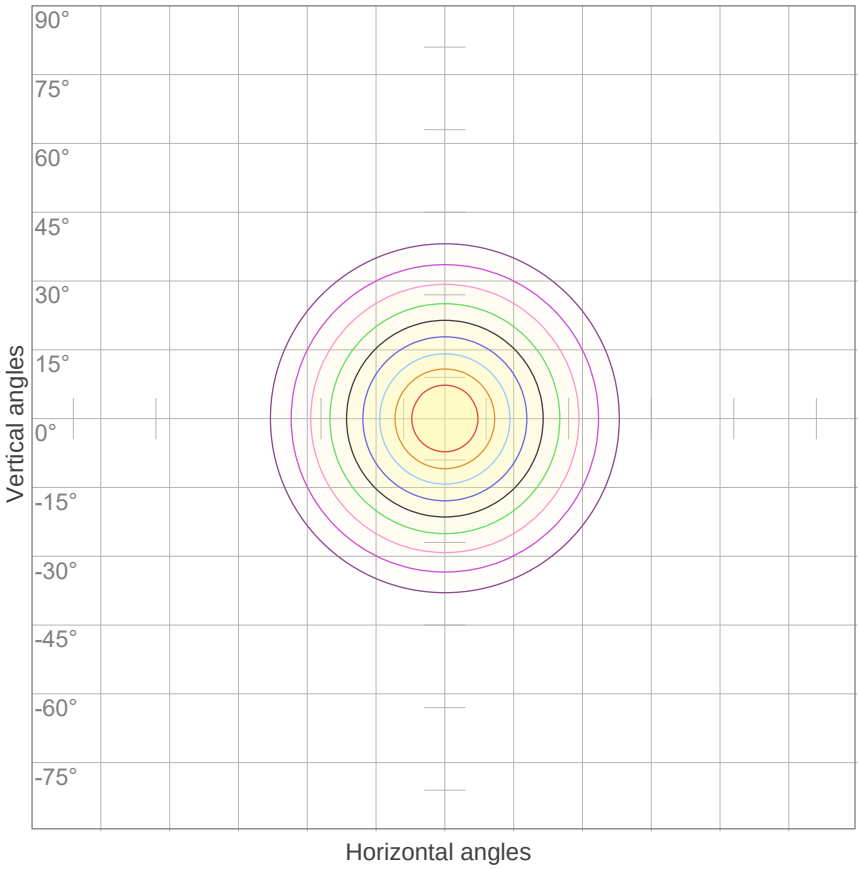
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



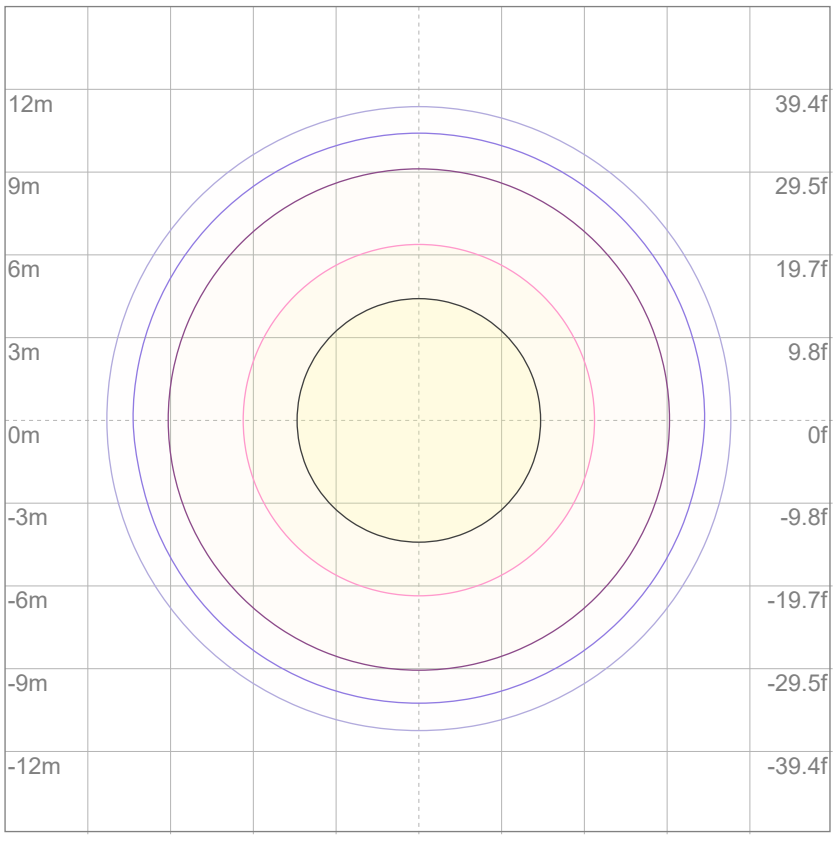
10%	261 cd
20%	521 cd
30%	782 cd
40%	1042 cd
50%	1303 cd
60%	1564 cd
70%	1824 cd
80%	2085 cd
90%	2346 cd

Conditions:

Number of c-planes: 2

Candela at center: 2606 cd

ISO LUX DIAGRAM



3%	0.782 lx
5%	1.30 lx
10%	2.61 lx
30%	7.82 lx
50%	13.0 lx

Conditions:

Number of c-planes: 2

Lux at center: 26.1 lx

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

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Total lumen output:

1750 lm

Peak candela output:

8518 cd

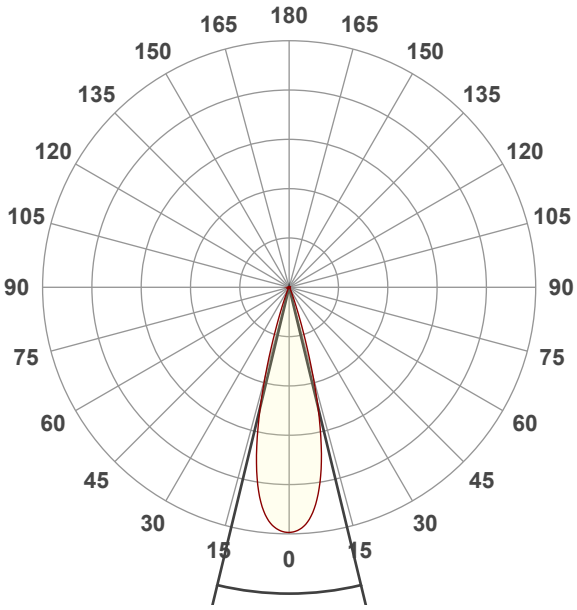
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Cyan

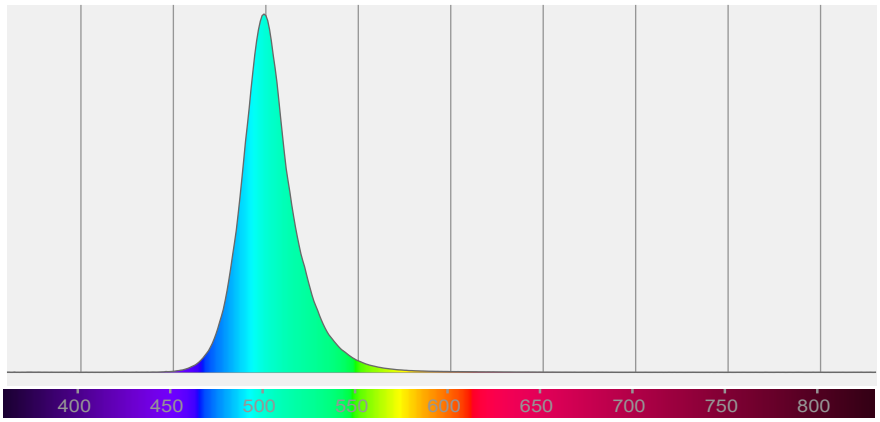
Operator:
Prolight R&D

Date and time:
8/29/2026 2:34:09 PM



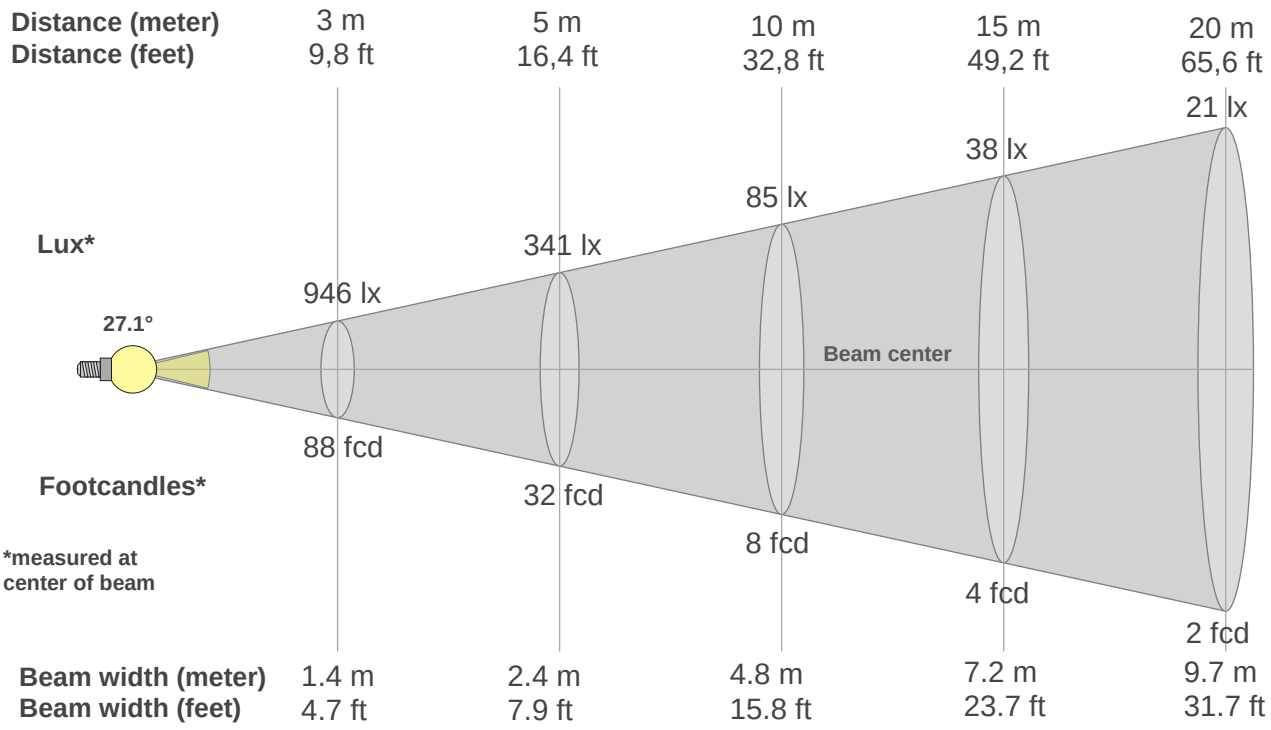
Beam angle 50%: 27.1°
Field angle 10%: 39°
Cut off angle 2.5%: 48.9°

Spectra



BEAM DETAILS

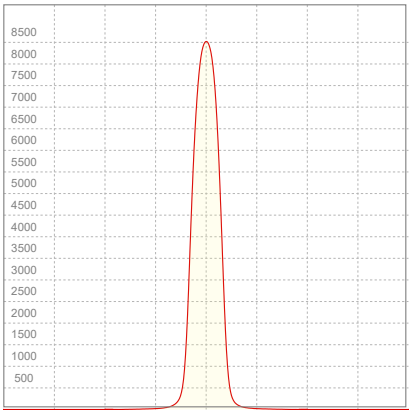
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.1°	39°	48.9°	99.5%	98.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	8516lx	2129lx	946lx	532lx	341lx	151lx	85lx	38lx	21lx	14lx	9lx	5lx	3lx
Footcand.	791fcd	198fcd	88fcd	49fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.1m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.7ft	31.7ft	39.6ft	47.5ft	63.3ft	79.1ft

LINEAR DISTRIBUTION DIAGRAM

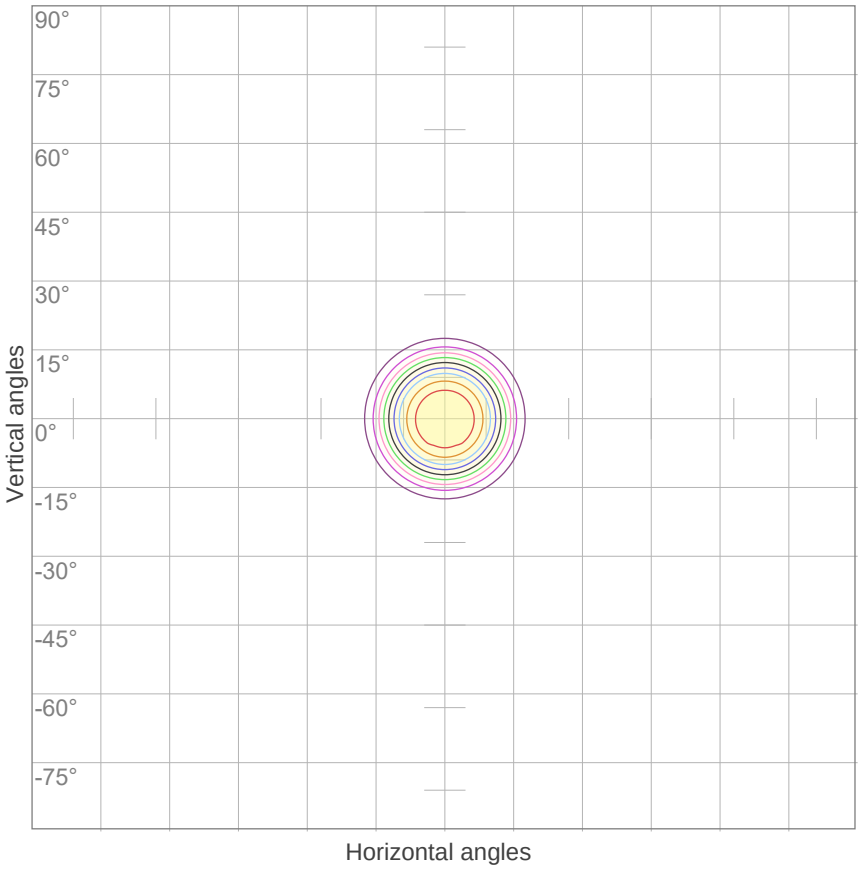


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0.406A	61.1W	0.67	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



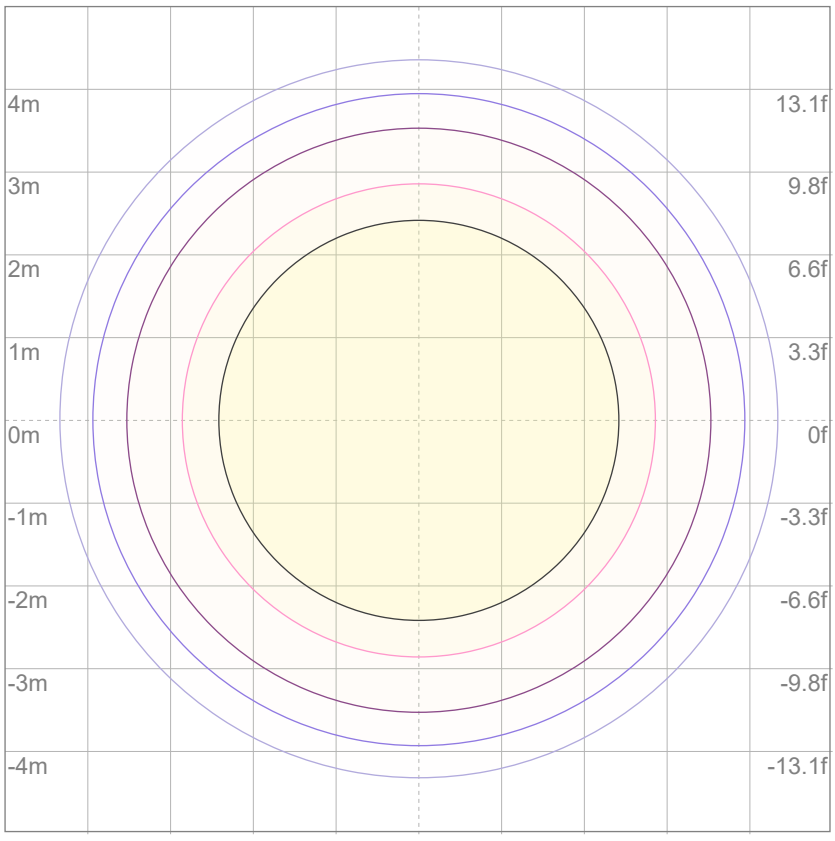
10%	852 cd
20%	1703 cd
30%	2555 cd
40%	3407 cd
50%	4258 cd
60%	5110 cd
70%	5961 cd
80%	6813 cd
90%	7665 cd

Conditions:

Number of c-planes: 2

Candela at center: 8516 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2.55 lx
5%	4.26 lx
10%	8.52 lx
30%	25.5 lx
50%	42.6 lx

Conditions:

Number of c-planes: 2

Lux at center: 85.2 lx

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

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Total lumen output:

1218 lm

Peak candela output:

22956 cd

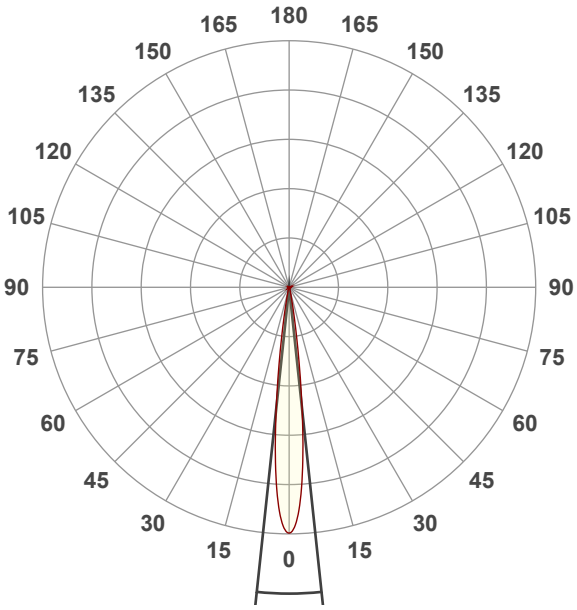
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Cyan

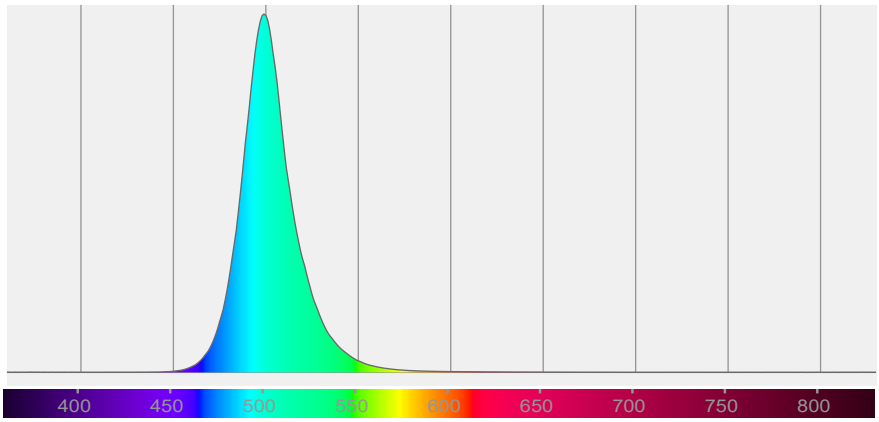
Operator:
Prolight R&D

Date and time:
8/29/2026 2:05:39 PM



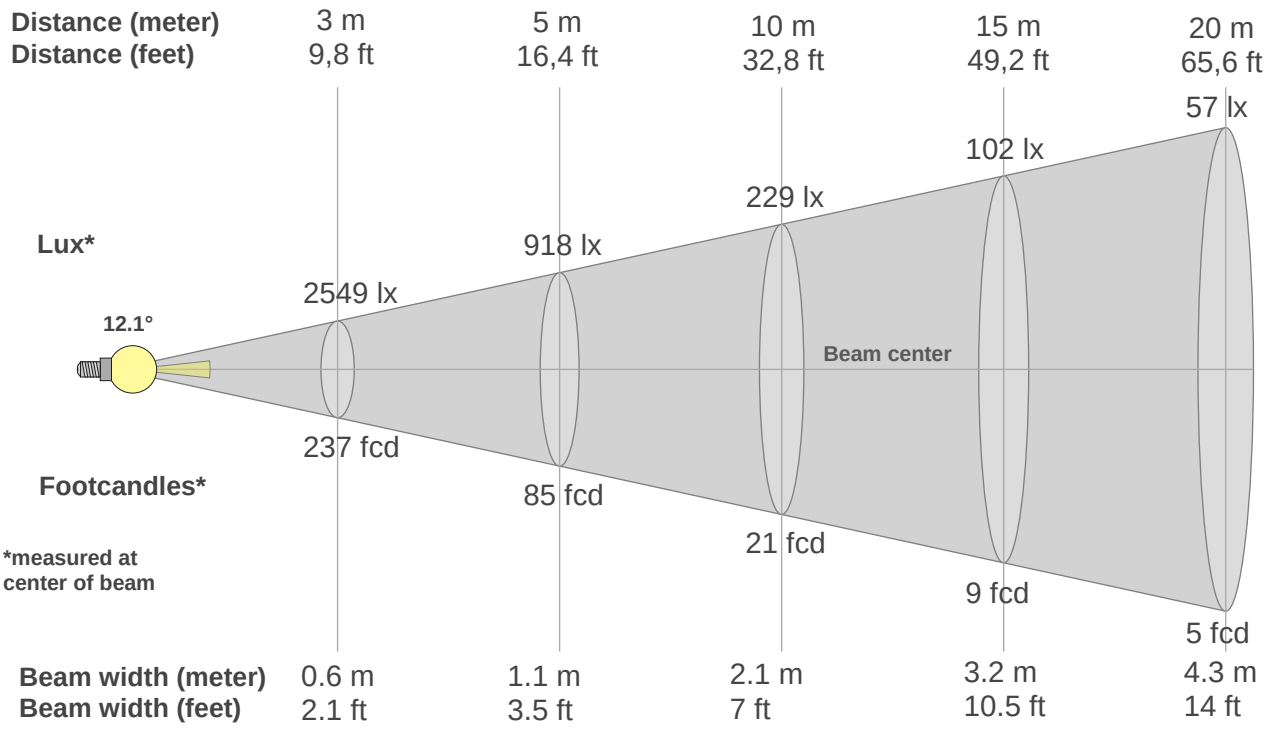
Beam angle 50%: 12.1°
Field angle 10%: 20.4°
Cut off angle 2.5%: 28°

Spectra



BEAM DETAILS

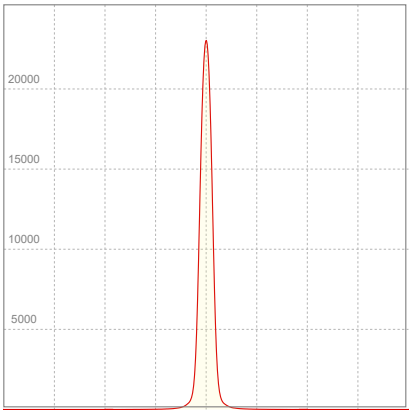
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.4°	28°	99.4%	98.3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22942lx	5736lx	2549lx	1434lx	918lx	408lx	229lx	102lx	57lx	37lx	25lx	14lx	9lx
Footcand.	2131fcd	533fcd	237fcd	133fcd	85fcd	38fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	14ft	17.4ft	20.9ft	27.9ft	34.9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0.405A	60.9W	0.67	20lm/W

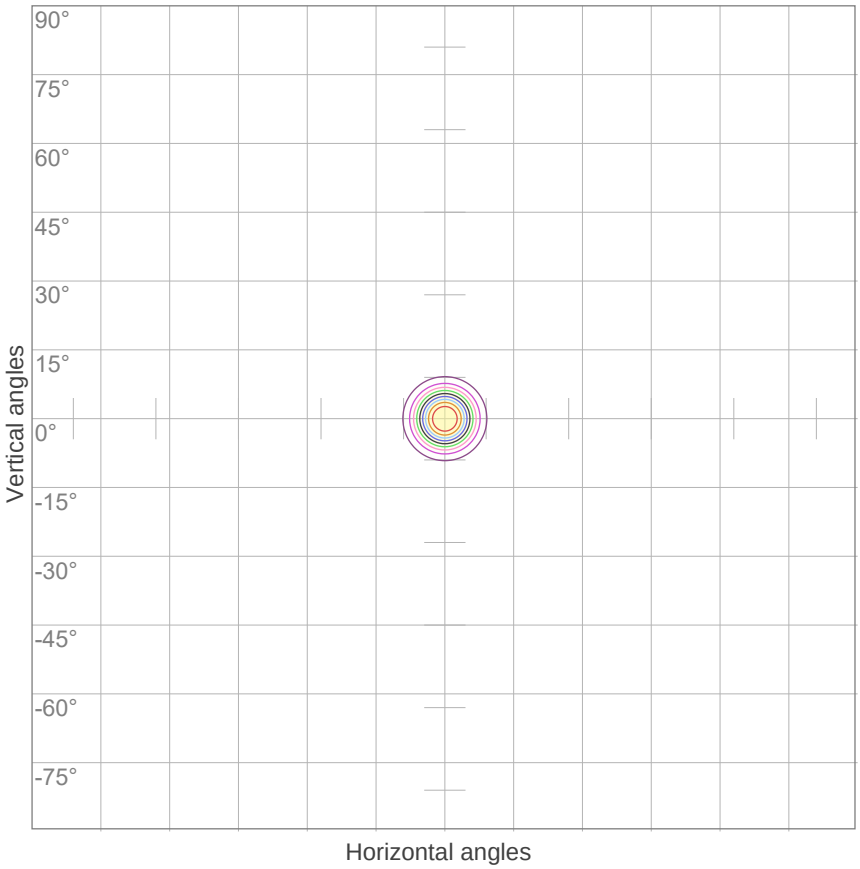
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



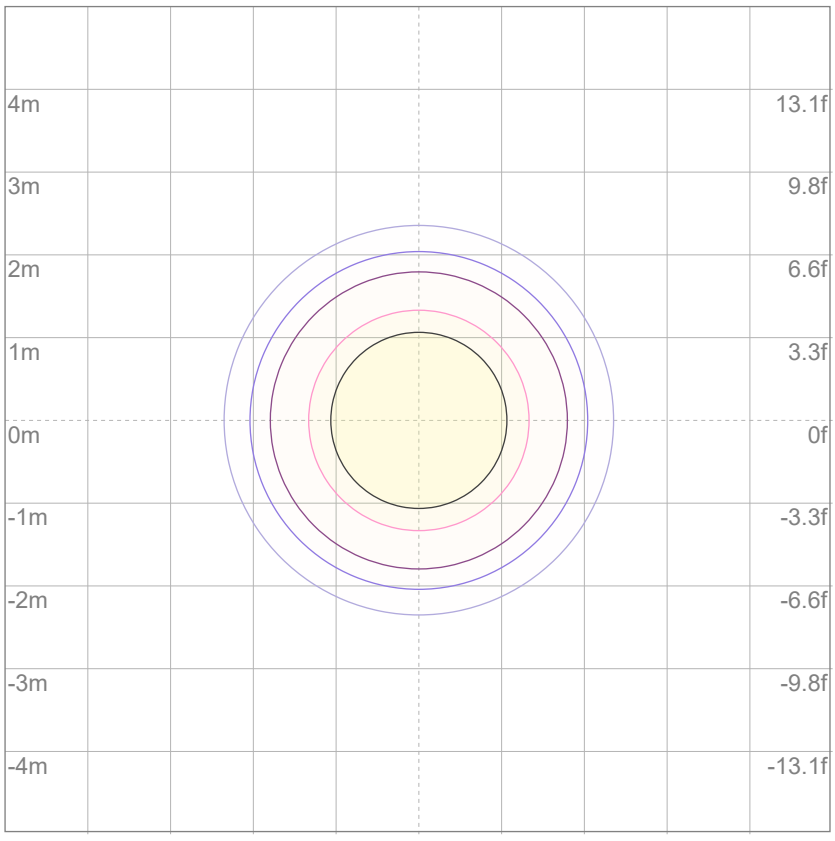
10%	2294 cd
20%	4588 cd
30%	6883 cd
40%	9177 cd
50%	11471 cd
60%	13765 cd
70%	16060 cd
80%	18354 cd
90%	20648 cd

Conditions:

Number of c-planes: 2

Candela at center: 22942 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6.88 lx
5%	11.5 lx
10%	22.9 lx
30%	68.8 lx
50%	115 lx

Conditions:

Number of c-planes: 2

Lux at center: 229 lx

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

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Total lumen output:

7616 lm

Peak candela output:

10523 cd

PRODUCT NAME:

POET F8

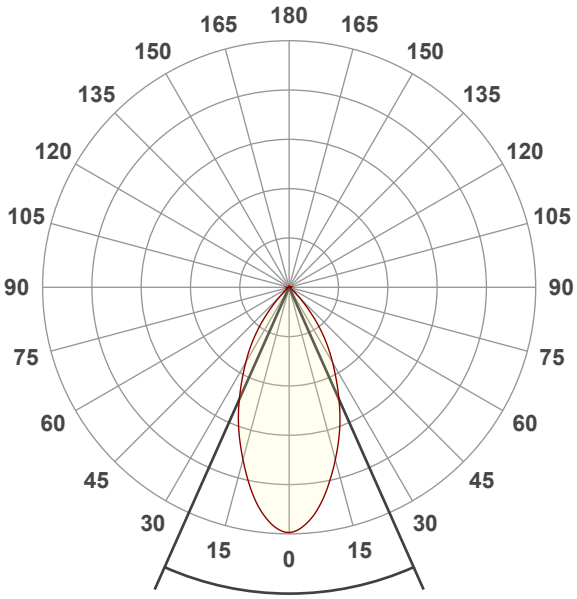
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Amber

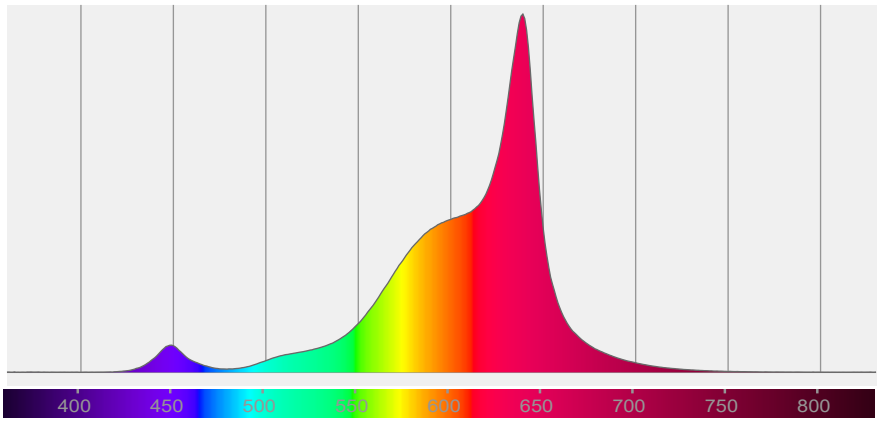
Operator:
Prolight R&D

Date and time:
29/08/2026 15:15:55



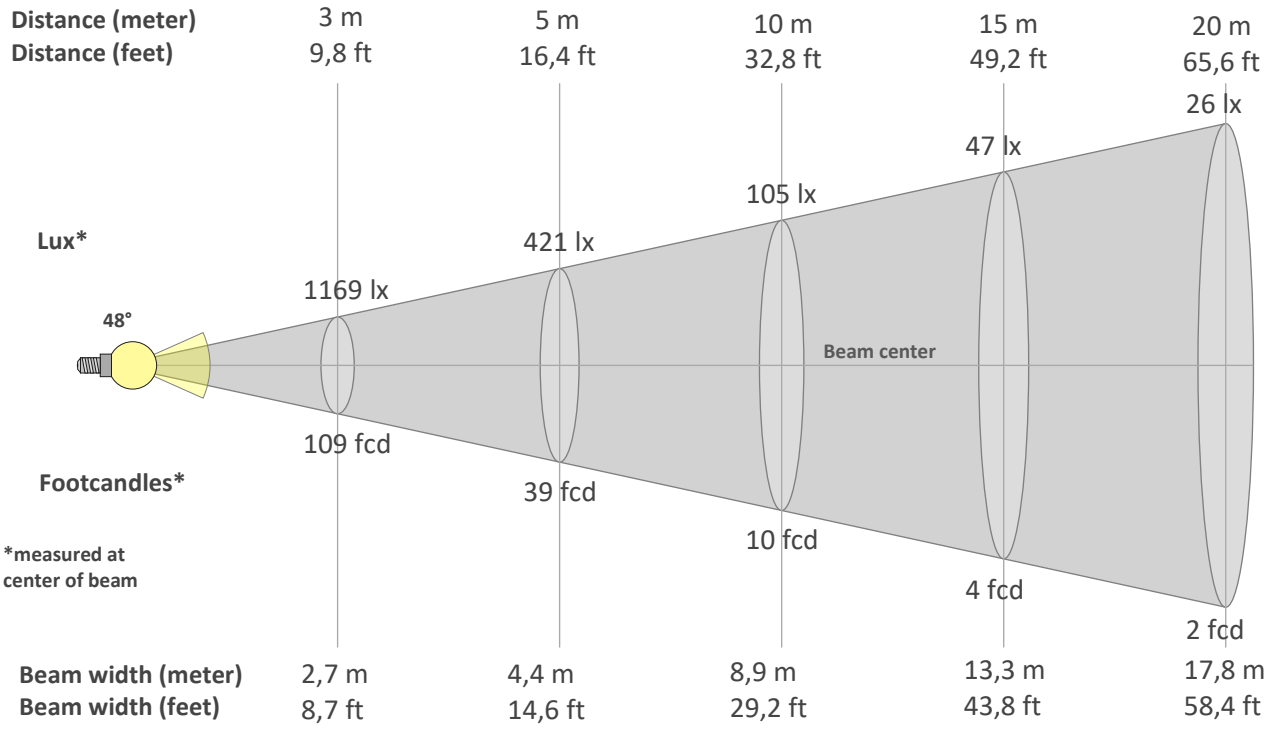
Beam angle 50%: 48°
Field angle 10%: 84,3°
Cut off angle 2.5%: 98,8°

Spectra



BEAM DETAILS

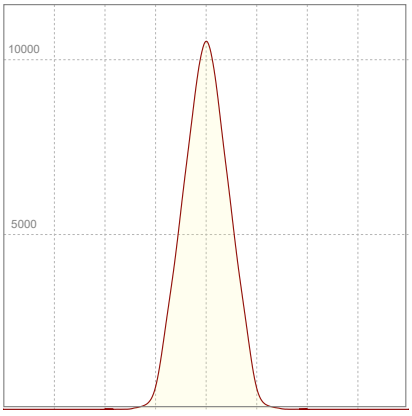
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48°	84,3°	98,8°	99,5%	96,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10521lx	2630lx	1169lx	658lx	421lx	187lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	977fcd	244fcd	109fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,4m	6,7m	8,9m	13,3m	17,8m	22,2m	26,7m	35,6m	44,5m
Beam wid.	2,9ft	5,9ft	8,7ft	11,7ft	14,6ft	21,9ft	29,2ft	43,8ft	58,4ft	73ft	87,6ft	116,8ft	146ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,838A	172W	0,91	44lm/W

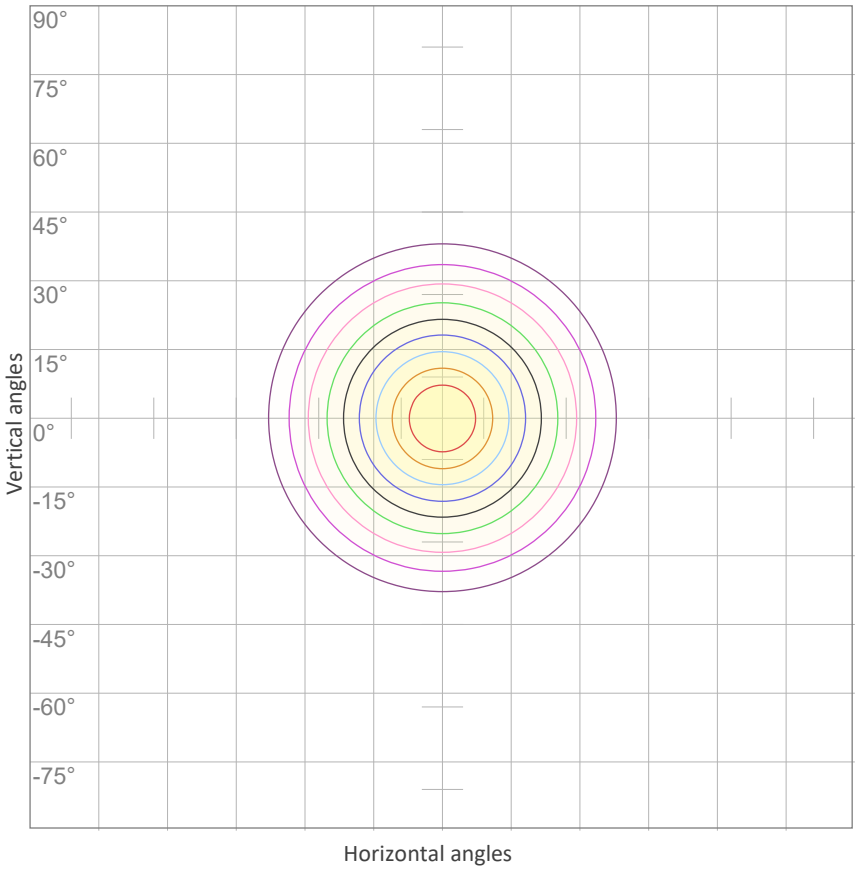
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



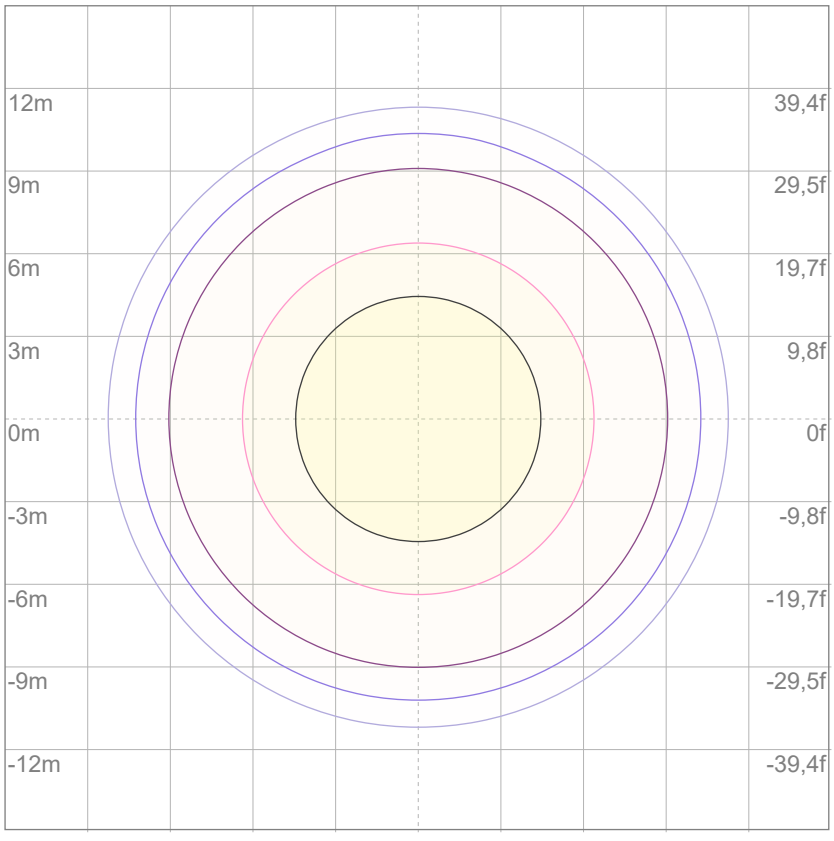
10%	1052 cd
20%	2104 cd
30%	3156 cd
40%	4208 cd
50%	5261 cd
60%	6313 cd
70%	7365 cd
80%	8417 cd
90%	9469 cd

Conditions:

Number of c-planes: 2

Candela at center: 10521 cd

ISO LUX DIAGRAM



3%	3,16 lx
5%	5,26 lx
10%	10,5 lx
30%	31,6 lx
50%	52,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 105 lx

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

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Total lumen output:

7020 lm

Peak candela output:

34641 cd

PRODUCT NAME:

POET F8

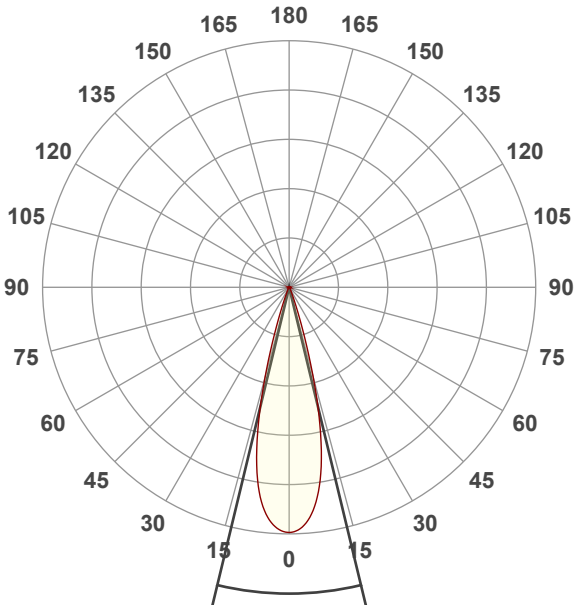
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Amber

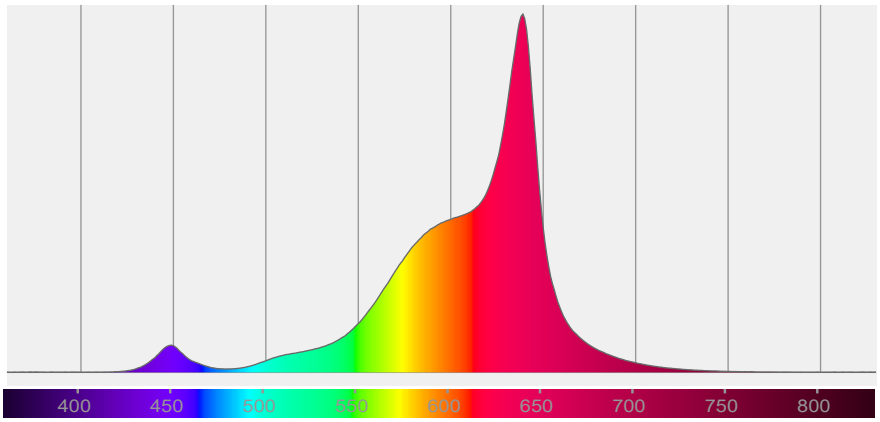
Operator:
Prolight R&D

Date and time:
29/08/2026 14:38:51



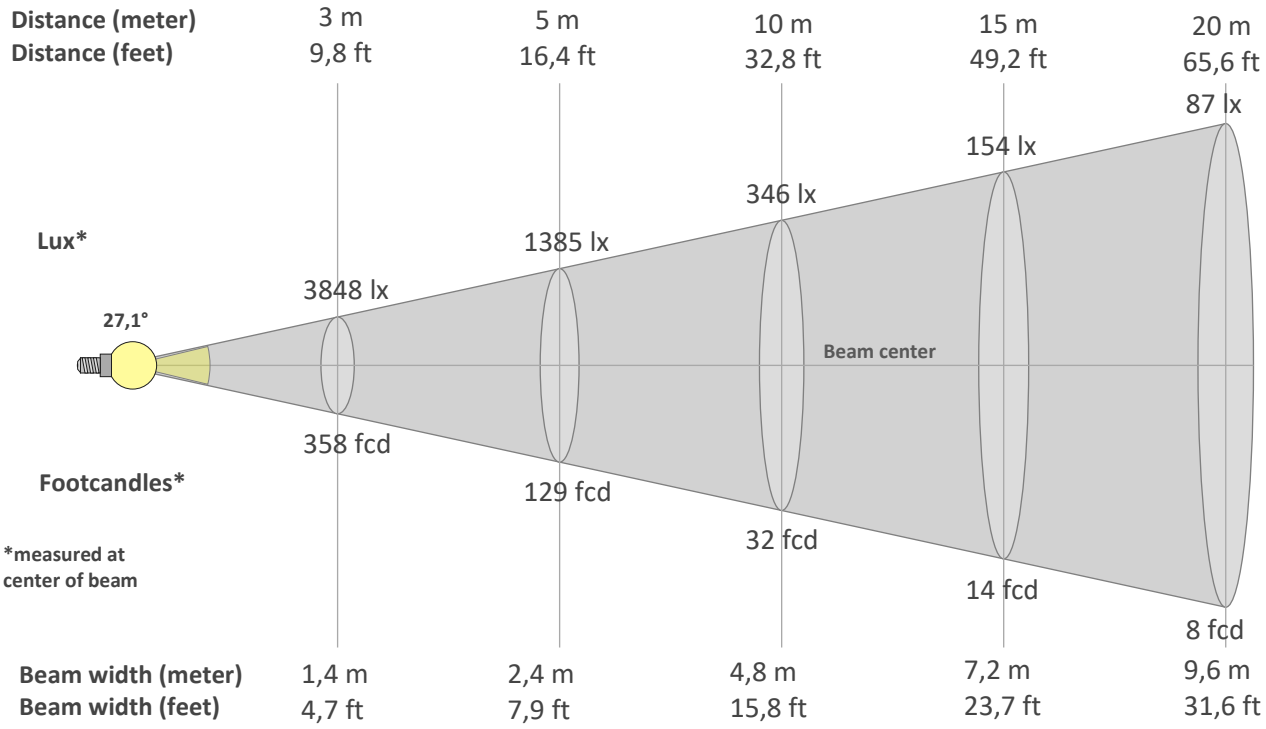
Beam angle 50%: 27,1°
Field angle 10%: 38,9°
Cut off angle 2.5%: 48,3°

Spectra



BEAM DETAILS

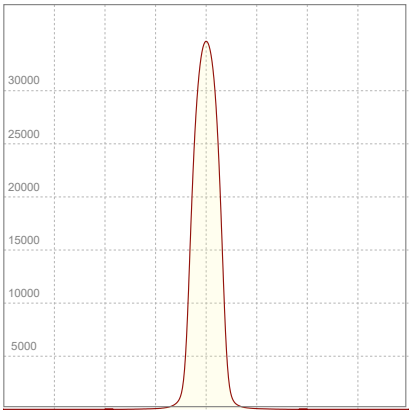
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,1°	38,9°	48,3°	99,7%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	34635lx	8659lx	3848lx	2165lx	1385lx	616lx	346lx	154lx	87lx	55lx	38lx	22lx	14lx
Footcand.	3218fcd	804fcd	358fcd	201fcd	129fcd	57fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,5m	1m	1,4m	1,9m	2,4m	3,6m	4,8m	7,2m	9,6m	12,1m	14,5m	19,3m	24,1m
Beam wid.	1,6ft	3,2ft	4,7ft	6,3ft	7,9ft	11,9ft	15,8ft	23,7ft	31,6ft	39,6ft	47,5ft	63,3ft	79,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,844A	171,9W	0,91	41lm/W

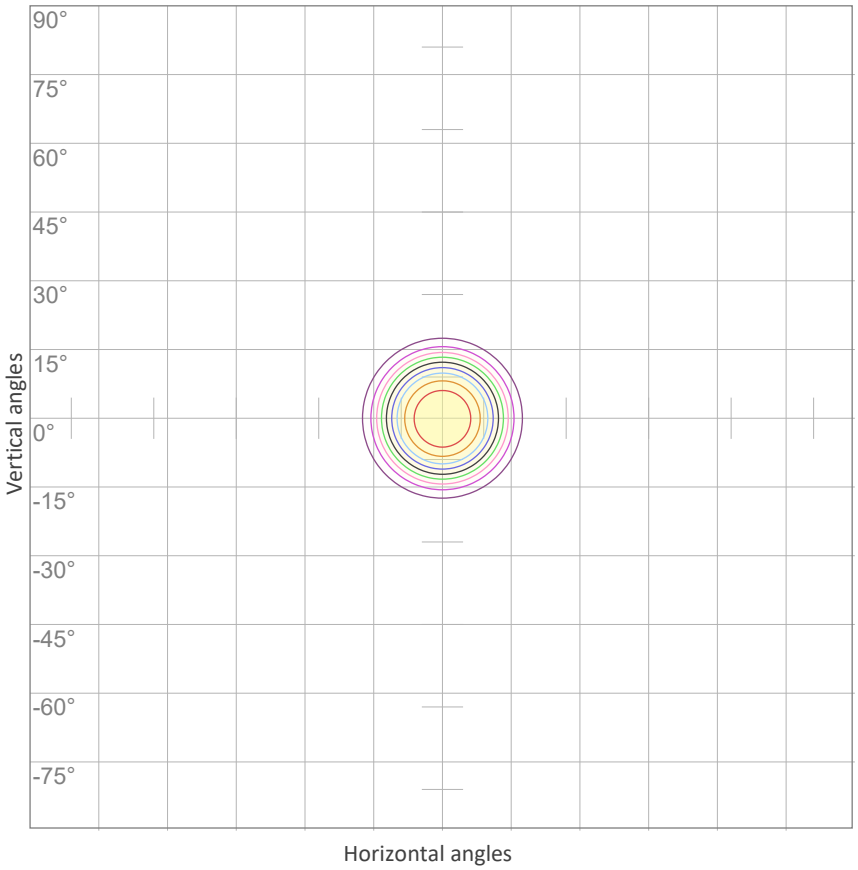
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



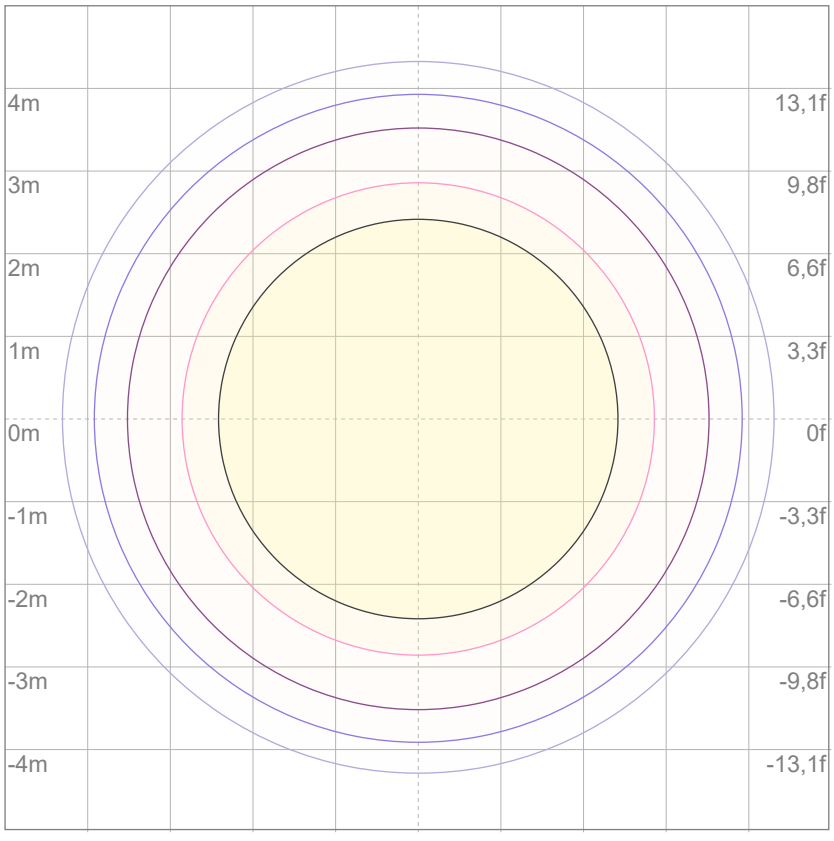
10%	3463 cd
20%	6927 cd
30%	10390 cd
40%	13854 cd
50%	17317 cd
60%	20781 cd
70%	24244 cd
80%	27708 cd
90%	31171 cd

Conditions:

Number of c-planes: 2

Candela at center: 34635 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,4 lx
5%	17,3 lx
10%	34,6 lx
30%	104 lx
50%	173 lx

Conditions:

Number of c-planes: 2

Lux at center: 346 lx

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

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Total lumen output:

4817 lm

Peak candela output:

93261 cd

PRODUCT NAME:

POET F8

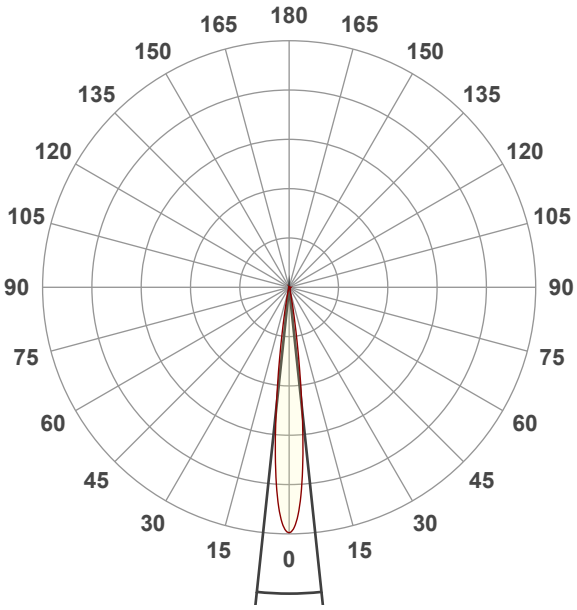
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Amber

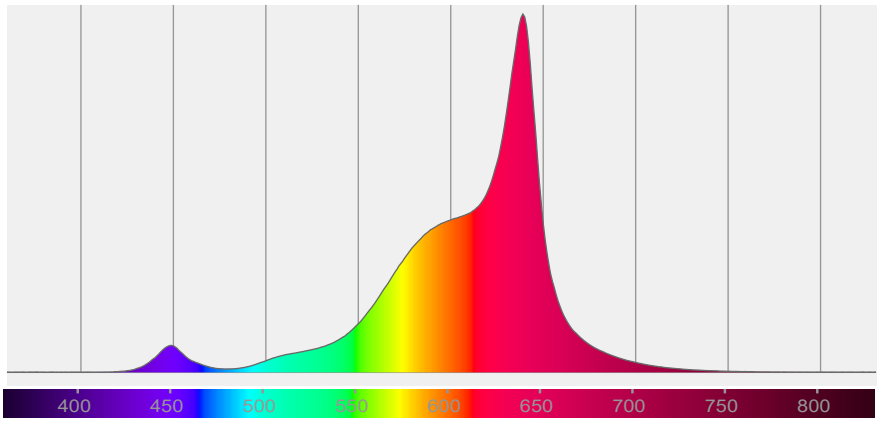
Operator:
Prolight R&D

Date and time:
29/08/2026 14:13:10



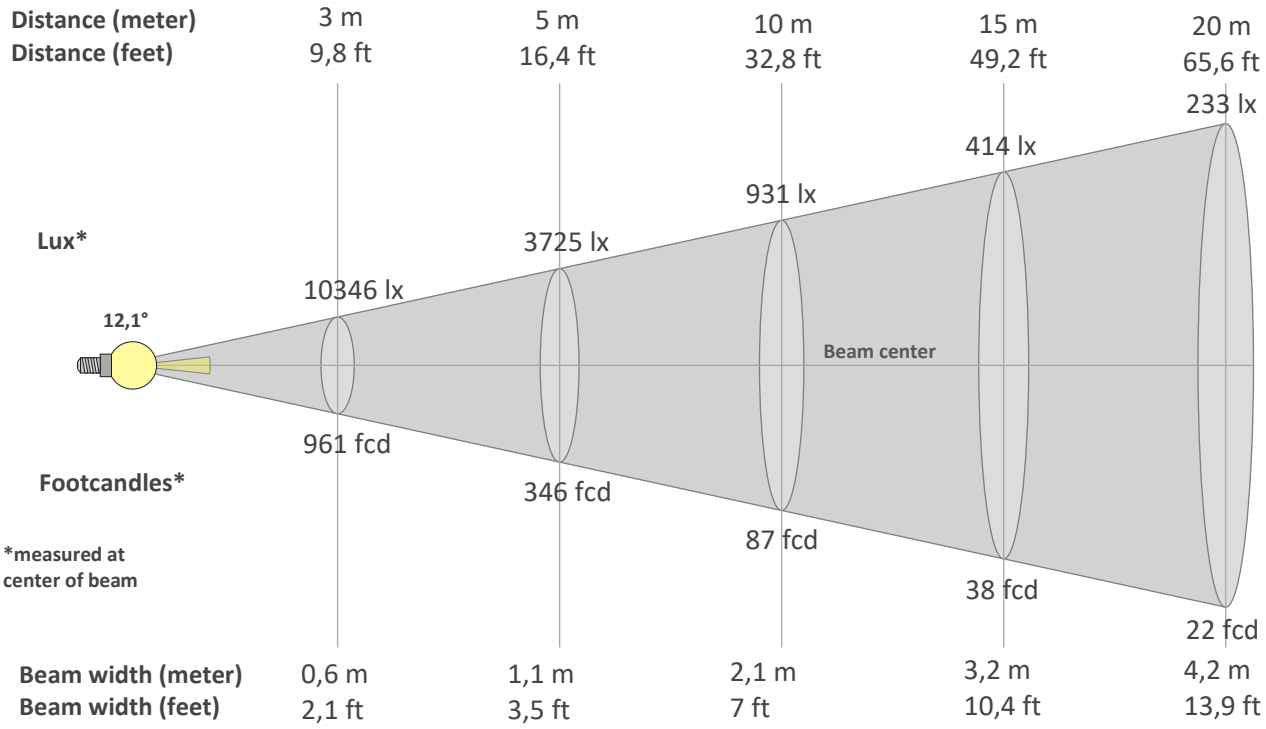
Beam angle 50%: 12,1°
Field angle 10%: 20,2°
Cut off angle 2.5%: 27,4°

Spectra



BEAM DETAILS

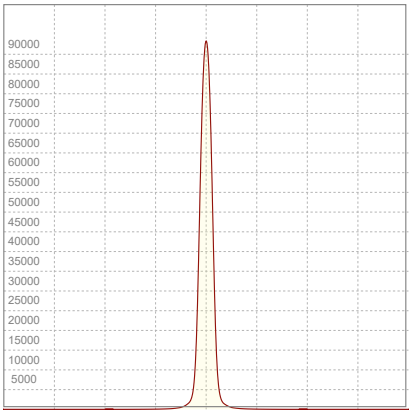
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12,1°	20,2°	27,4°	99,8%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	93118lx	23279lx	10346lx	5820lx	3725lx	1655lx	931lx	414lx	233lx	149lx	103lx	58lx	37lx
Footcand.	8651fcd	2163fcd	961fcd	541fcd	346fcd	154fcd	87fcd	38fcd	22fcd	14fcd	10fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1,1m	1,6m	2,1m	3,2m	4,2m	5,3m	6,4m	8,5m	10,6m
Beam wid.	0,7ft	1,4ft	2,1ft	2,8ft	3,5ft	5,2ft	7ft	10,4ft	13,9ft	17,4ft	20,9ft	27,8ft	34,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,846A	171,6W	0,91	28lm/W

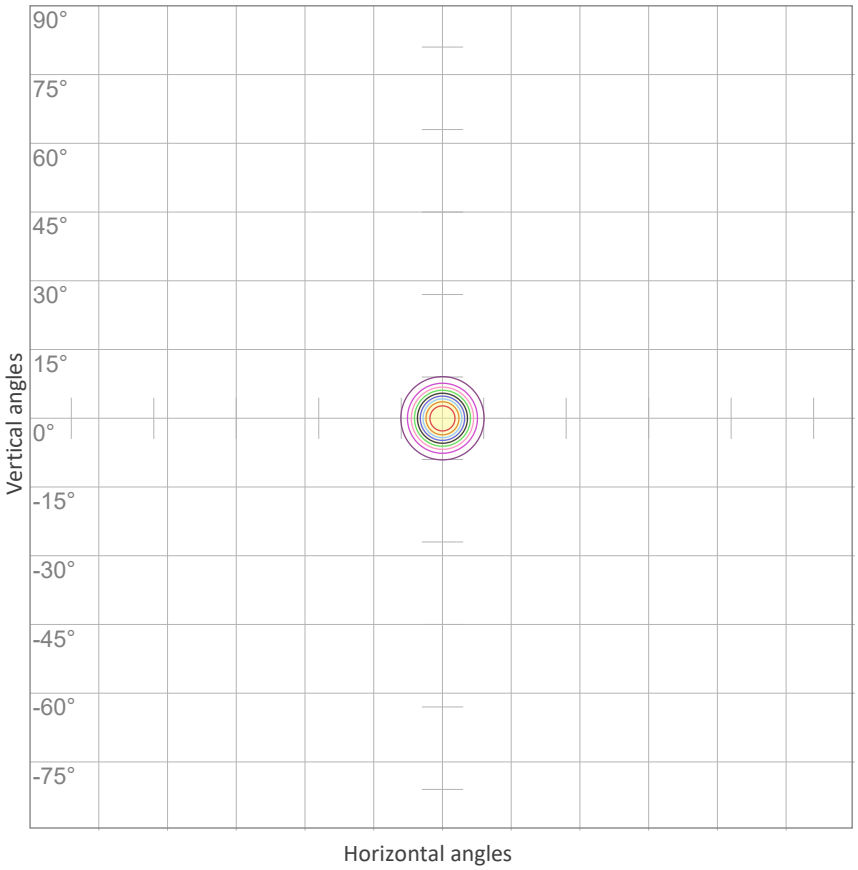
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



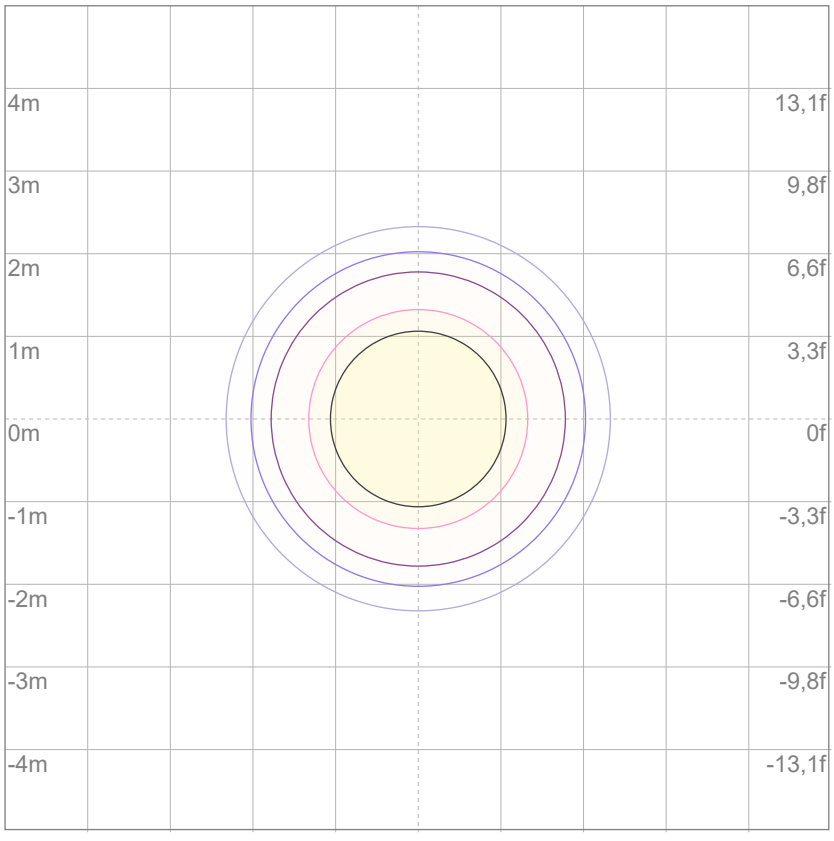
10%	9312 cd
20%	18624 cd
30%	27935 cd
40%	37247 cd
50%	46559 cd
60%	55871 cd
70%	65182 cd
80%	74494 cd
90%	83806 cd

Conditions:

Number of c-planes: 2

Candela at center: 93118 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	27,9 lx
5%	46,6 lx
10%	93,1 lx
30%	279 lx
50%	466 lx

Conditions:

Number of c-planes: 2

Lux at center: 931 lx

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



Total lumen output:

12631 lm

Peak candela output:

17359 cd

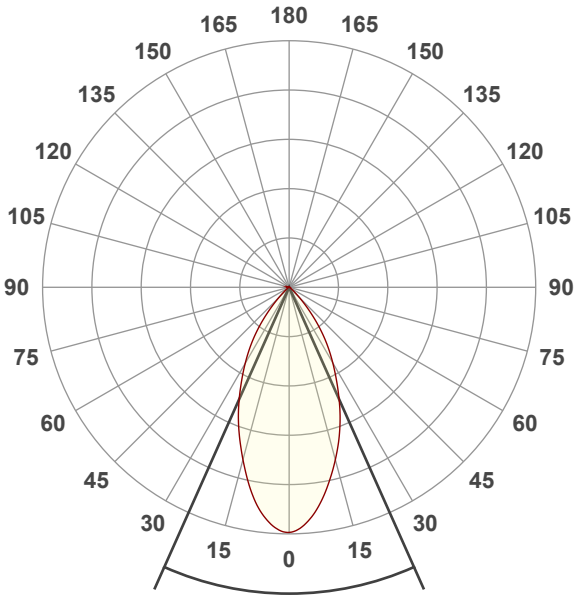
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
Lime

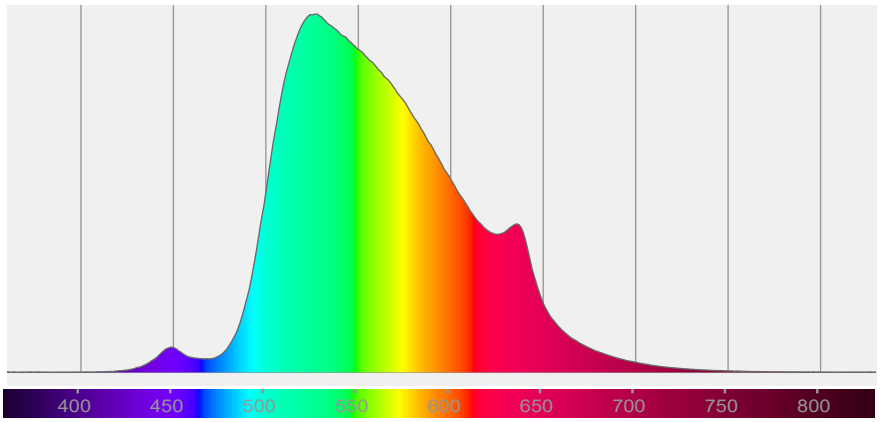
Operator:
Prolight R&D

Date and time:
8/29/2026 3:14:07 PM



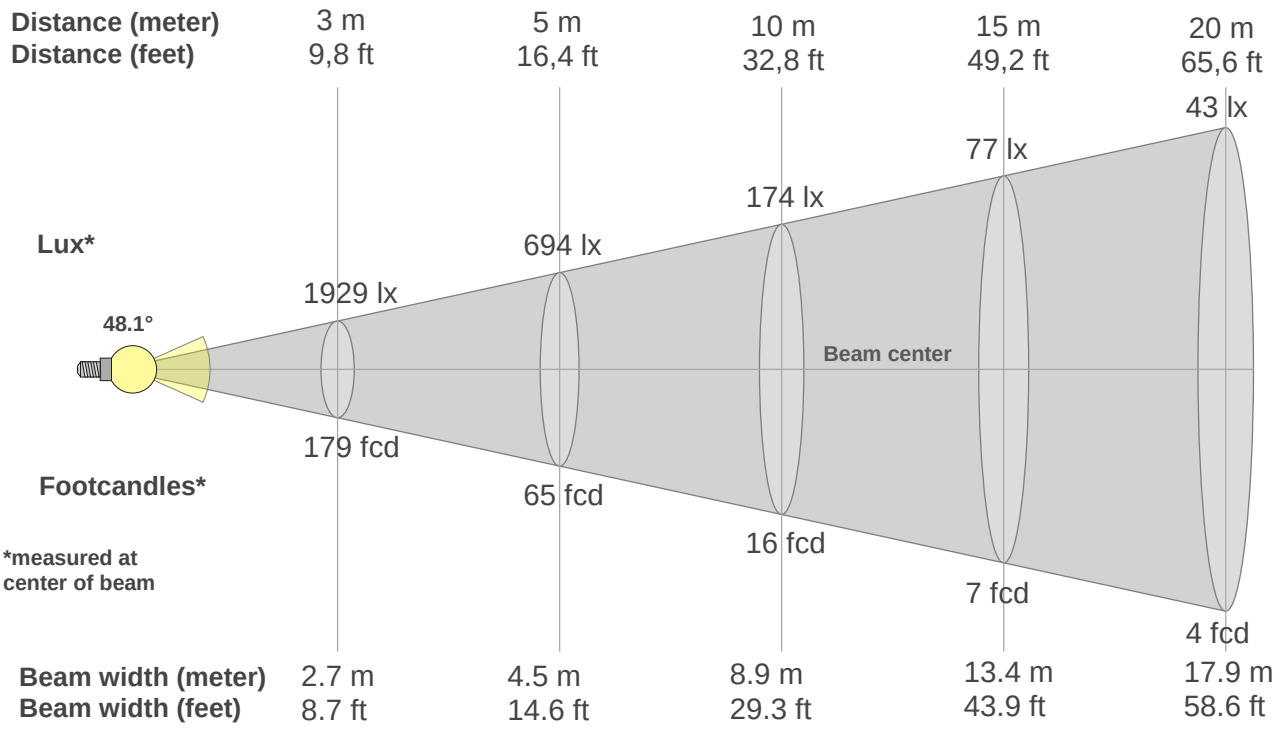
Beam angle 50%: 48.1°
Field angle 10%: 84.5°
Cut off angle 2.5%: 99.1°

Spectra



BEAM DETAILS

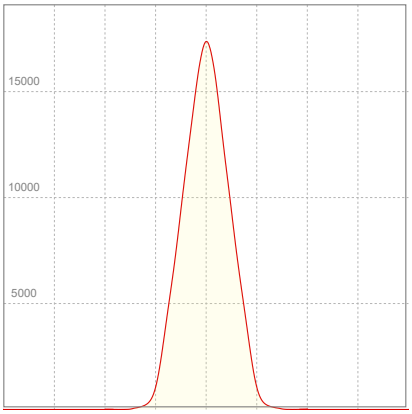
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.5°	99.1°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17358lx	4340lx	1929lx	1085lx	694lx	309lx	174lx	77lx	43lx	28lx	19lx	11lx	7lx
Footcand.	1613fcd	403fcd	179fcd	101fcd	65fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.9m	22.3m	26.8m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	22ft	29.3ft	43.9ft	58.6ft	73.2ft	87.8ft	117.1ft	146.4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0.757A	151.9W	0.89	83lm/W

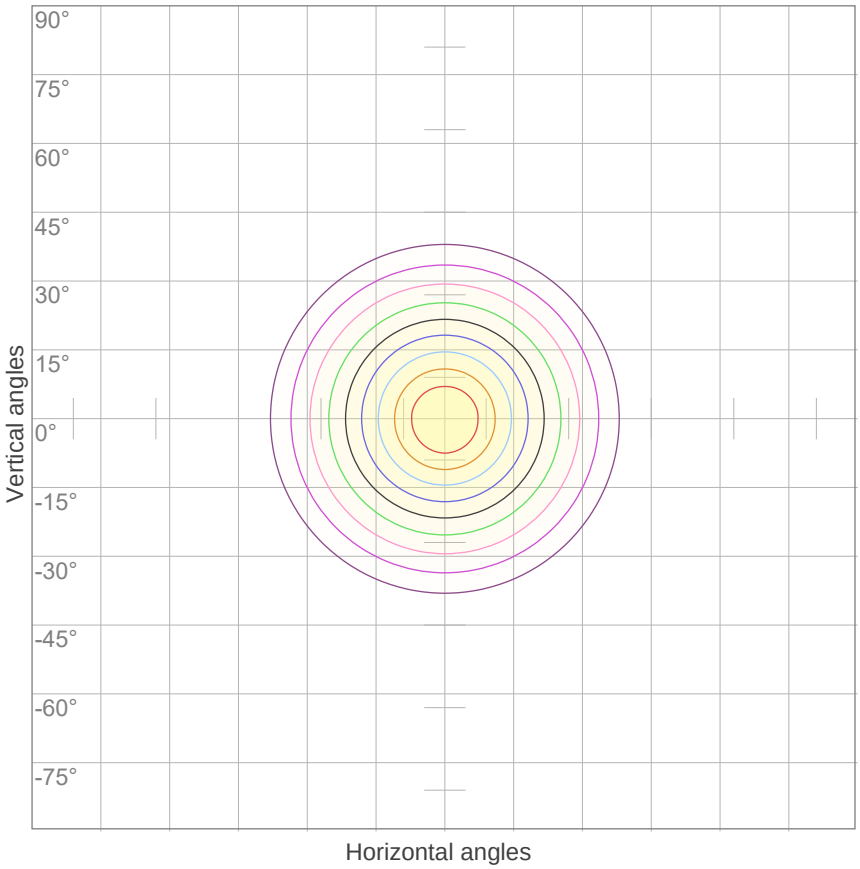
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04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

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ISO DIAGRAMS

ISO CANDELA DIAGRAM



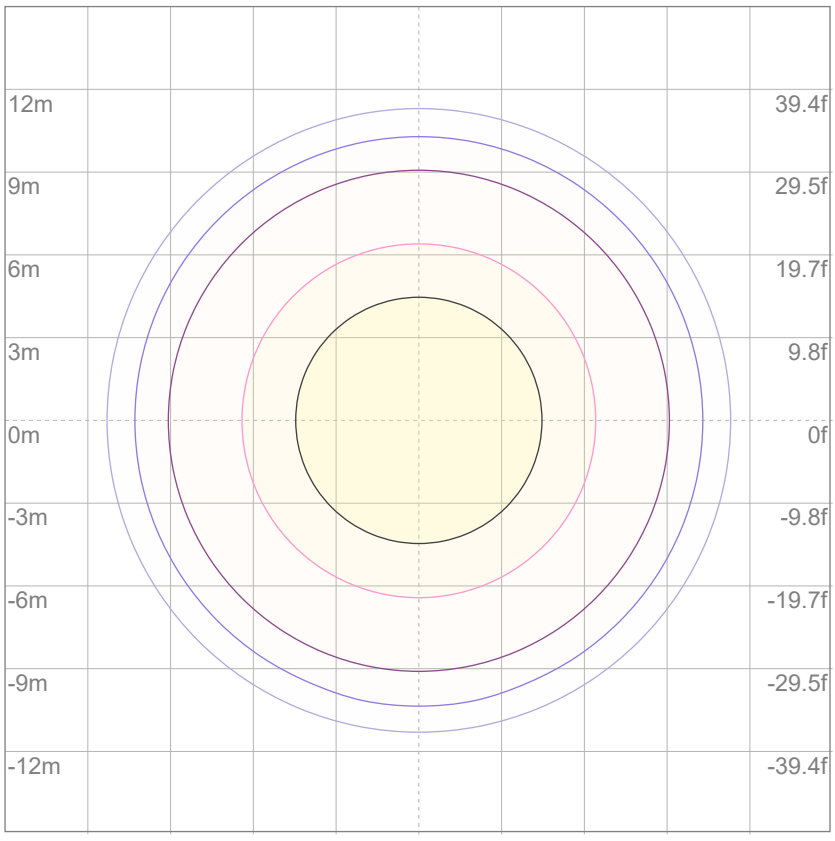
10%	1736 cd
20%	3472 cd
30%	5207 cd
40%	6943 cd
50%	8679 cd
60%	10415 cd
70%	12151 cd
80%	13887 cd
90%	15622 cd

Conditions:

Number of c-planes: 2

Candela at center: 17358 cd

ISO LUX DIAGRAM



3%	5.21 lx
5%	8.68 lx
10%	17.4 lx
30%	52.1 lx
50%	86.8 lx

Conditions:

Number of c-planes: 2

Lux at center: 174 lx

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

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Total lumen output:

11739 lm

Peak candela output:

57176 cd

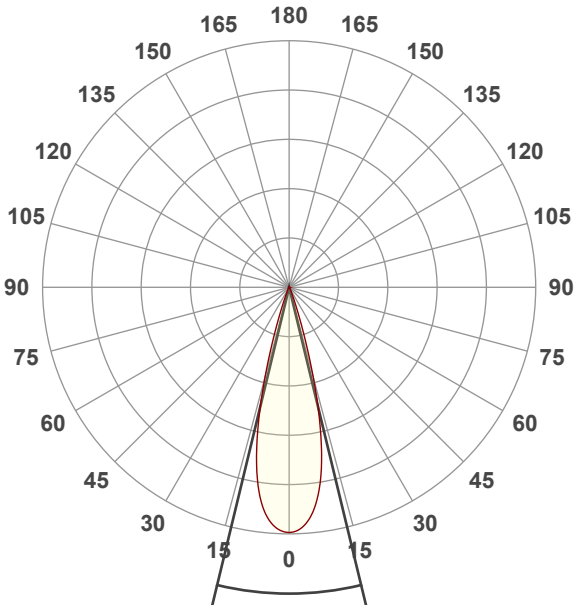
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
Lime

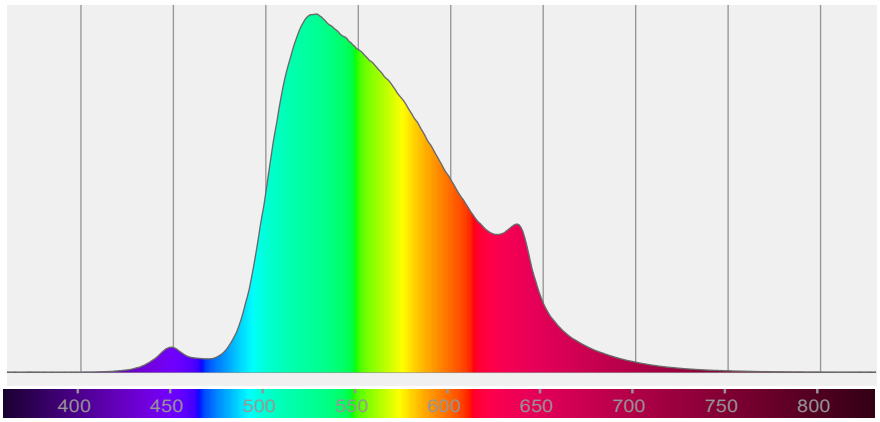
Operator:
Prolight R&D

Date and time:
8/29/2026 2:36:20 PM



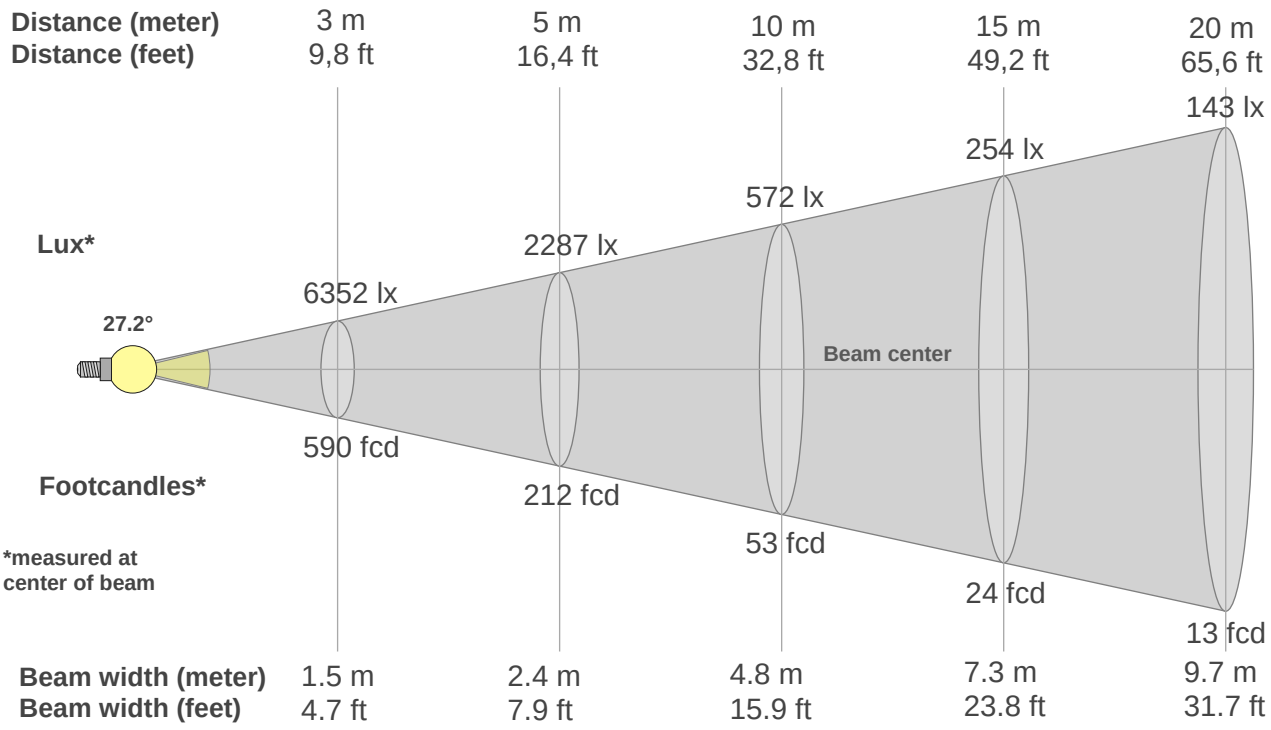
Beam angle 50%: 27.2°
Field angle 10%: 39°
Cut off angle 2.5%: 48.7°

Spectra



BEAM DETAILS

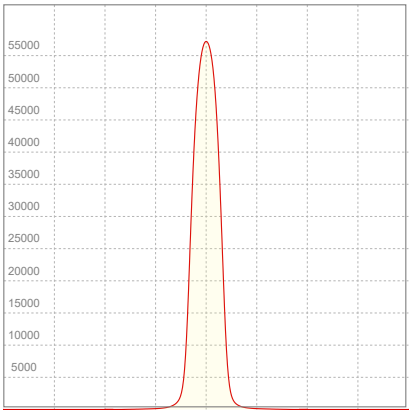
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	39°	48.7°	99.6%	98.6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	57168lx	14292lx	6352lx	3573lx	2287lx	1016lx	572lx	254lx	143lx	91lx	64lx	36lx	23lx
Footcand.	5311fcd	1328fcd	590fcd	332fcd	212fcd	94fcd	53fcd	24fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0.5m	1m	1.5m	1.9m	2.4m	3.6m	4.8m	7.3m	9.7m	12.1m	14.5m	19.3m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.9ft	23.8ft	31.7ft	39.7ft	47.6ft	63.4ft	79.3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0.760A	152W	0.89	77lm/W

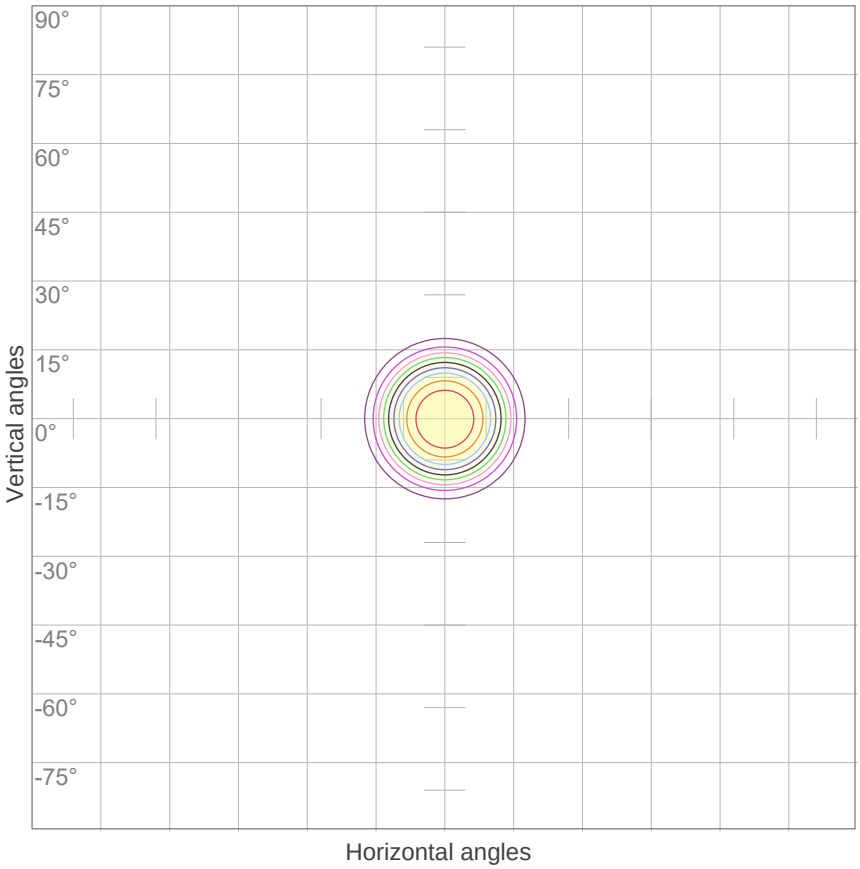
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



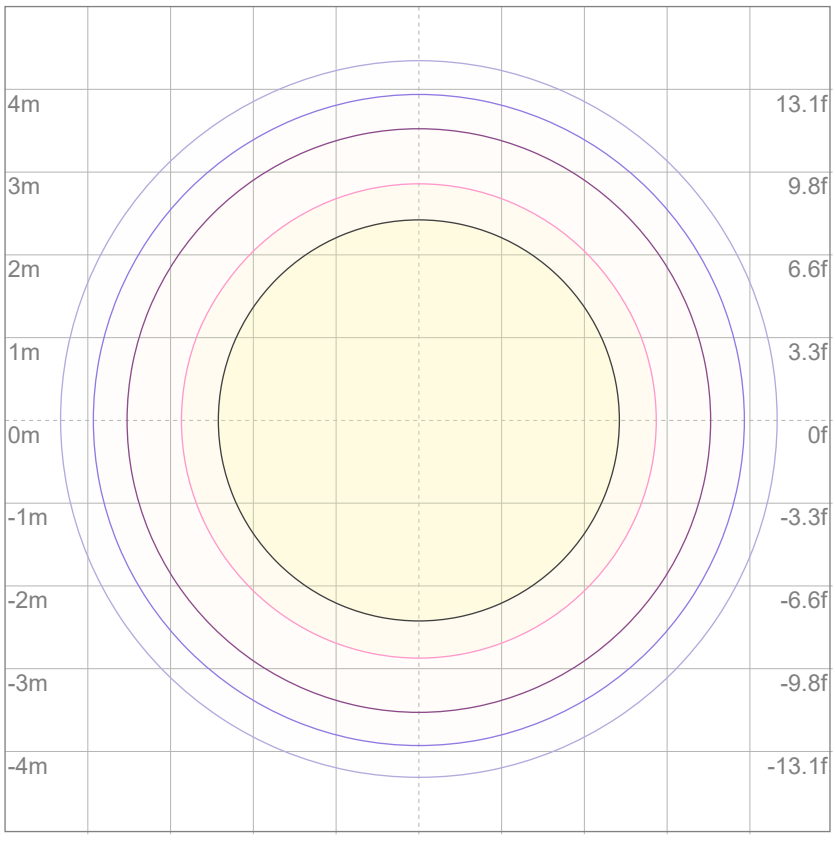
10%	5717 cd
20%	11434 cd
30%	17150 cd
40%	22867 cd
50%	28584 cd
60%	34301 cd
70%	40018 cd
80%	45734 cd
90%	51451 cd

Conditions:

Number of c-planes: 2

Candela at center: 57168 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	17.2 lx
5%	28.6 lx
10%	57.2 lx
30%	172 lx
50%	286 lx

Conditions:

Number of c-planes: 2

Lux at center: 572 lx

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

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Total lumen output:

8094 lm

Peak candela output:

153730 cd

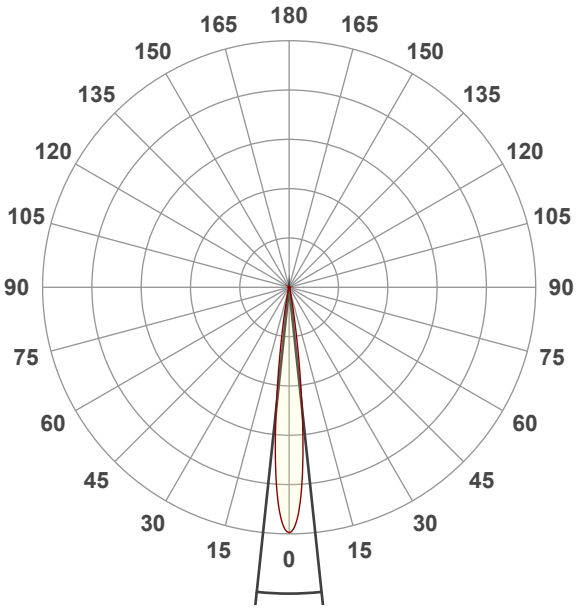
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
Lime

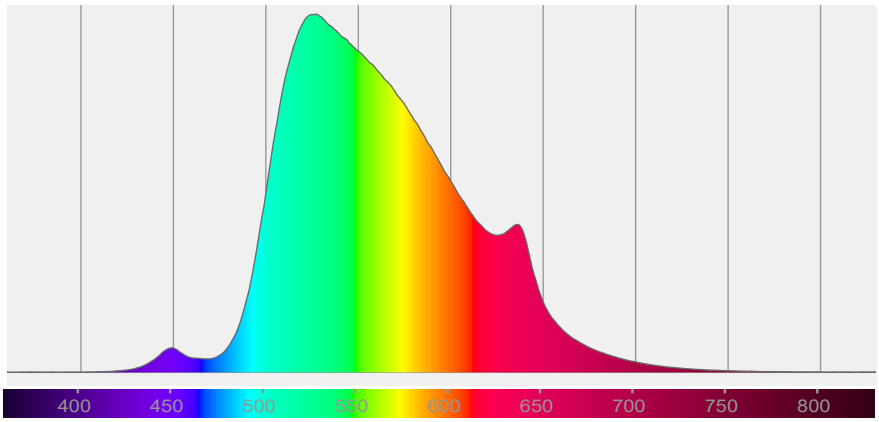
Operator:
Prolight R&D

Date and time:
8/29/2026 2:08:42 PM



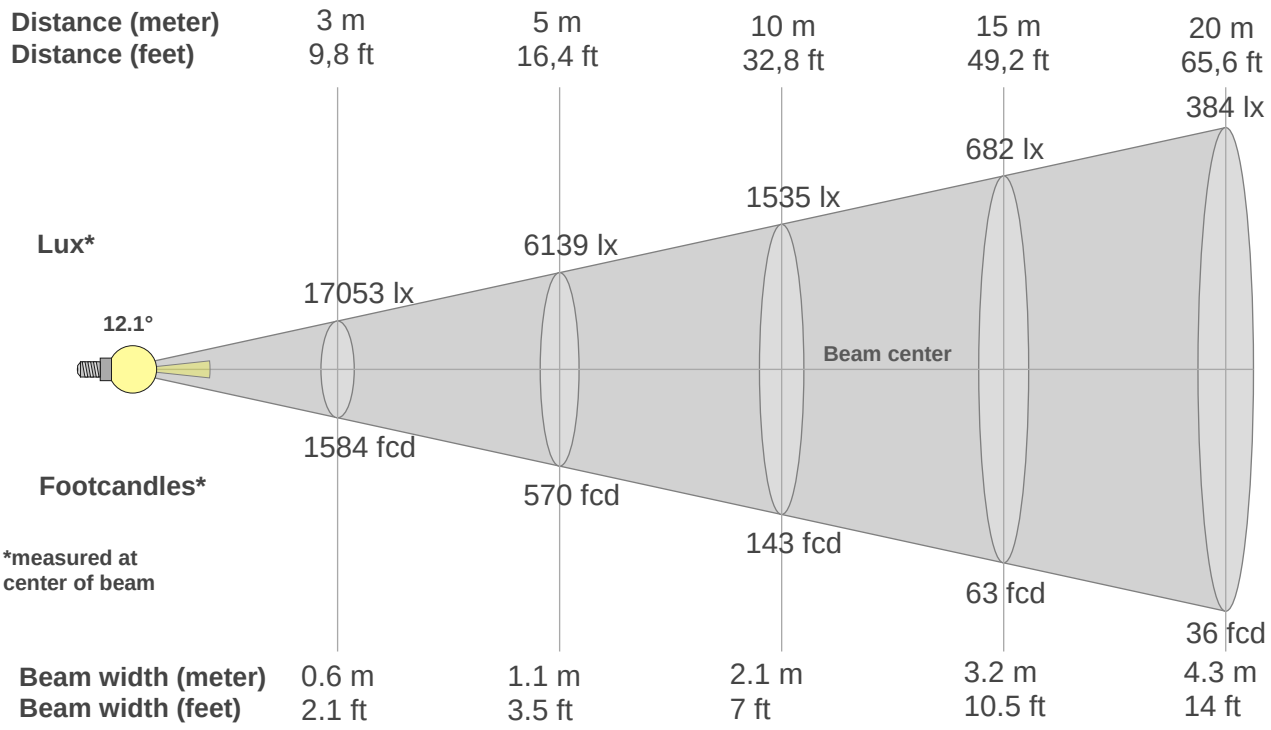
Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.7°

Spectra



BEAM DETAILS

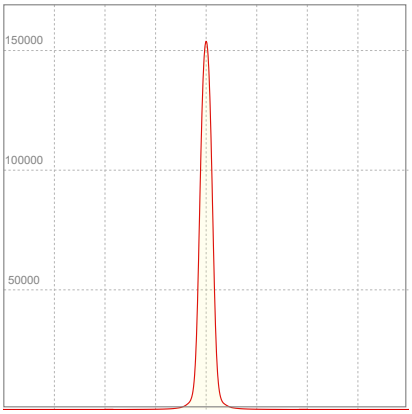
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.7°	99.6%	98.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	153480lx	38370lx	17053lx	9592lx	6139lx	2729lx	1535lx	682lx	384lx	246lx	171lx	96lx	61lx
Footcand.	14259fcd	3565fcd	1584fcd	891fcd	570fcd	253fcd	143fcd	63fcd	36fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	14ft	17.4ft	20.9ft	27.9ft	34.9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0.760A	151.6W	0.89	53lm/W

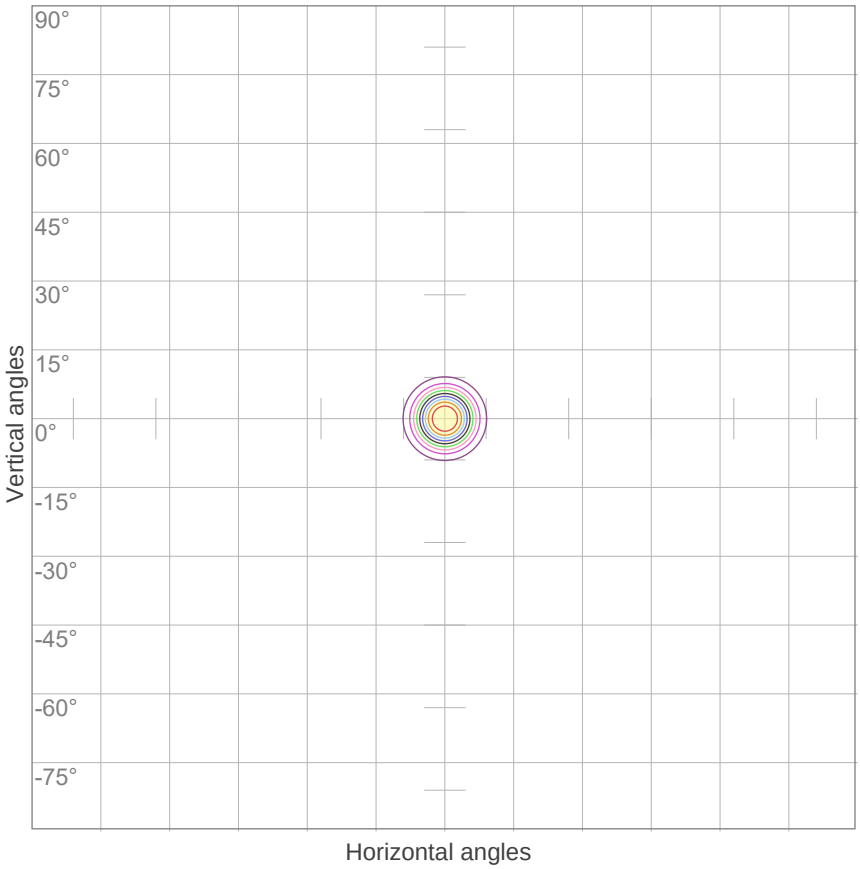
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



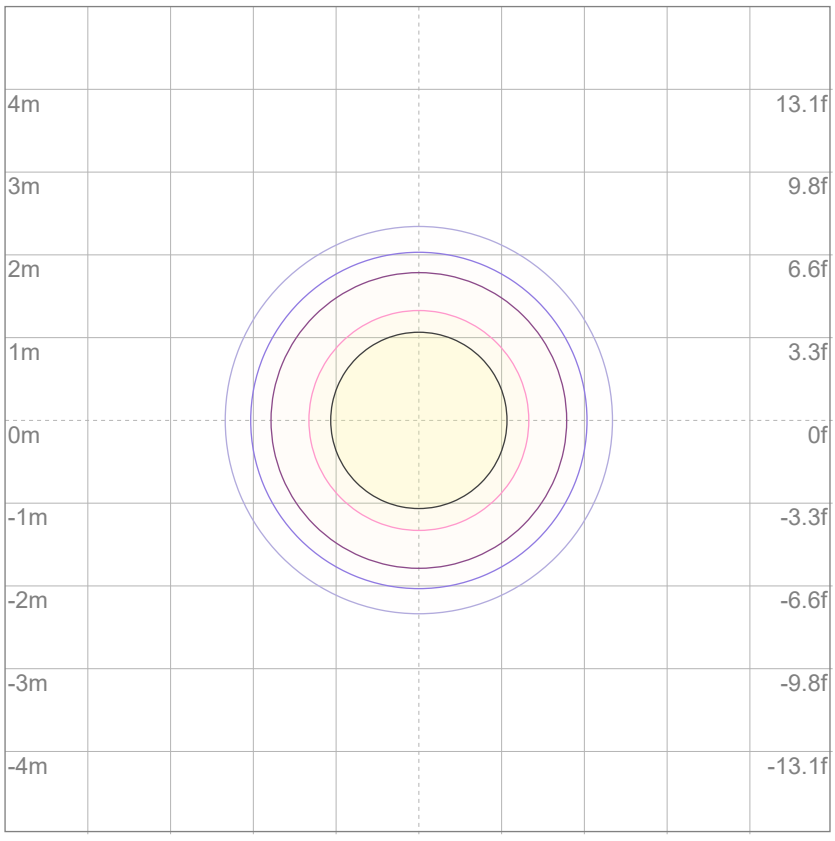
10%	15348 cd
20%	30696 cd
30%	46044 cd
40%	61392 cd
50%	76740 cd
60%	92088 cd
70%	107436 cd
80%	122784 cd
90%	138132 cd

Conditions:

Number of c-planes: 2

Candela at center: 153480 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	46.0 lx
5%	76.7 lx
10%	153 lx
30%	460 lx
50%	767 lx

Conditions:

Number of c-planes: 2

Lux at center: 1535 lx

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

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Total lumen output:

12743 lm

Peak candela output:

17546 cd

Light quality:

CRI: 95.0

Color temperature:

2759 K

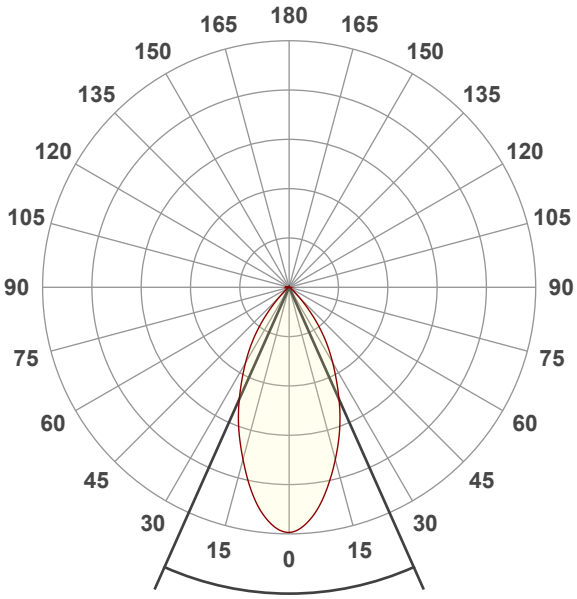
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
2800K

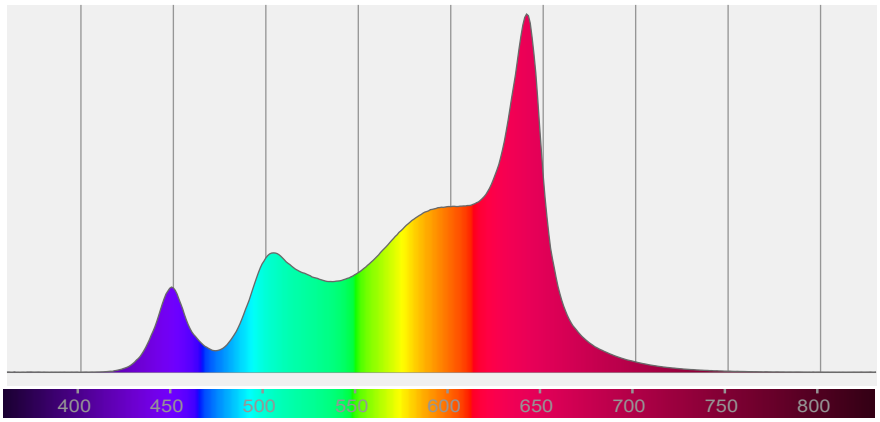
Operator:
Prolight R&D

Date and time:
8/29/2026 3:27:20 PM

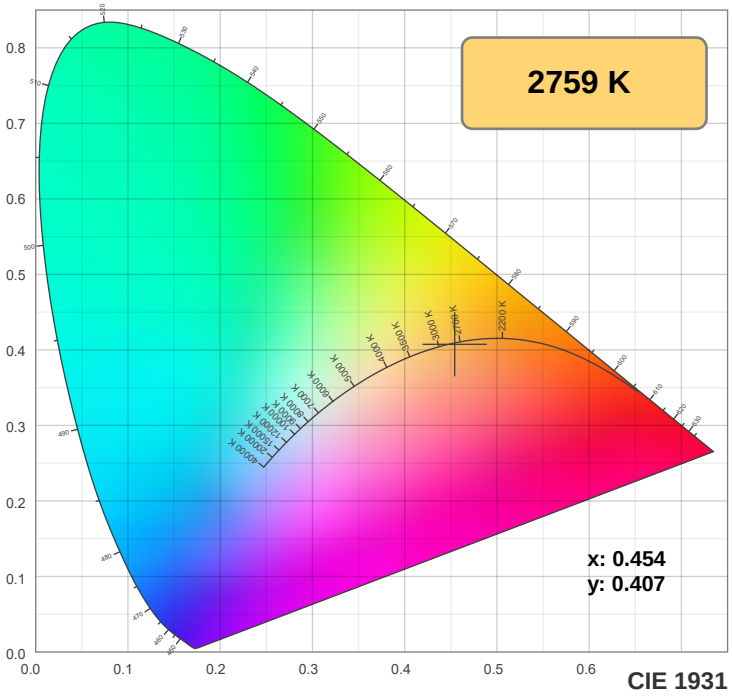


Beam angle 50%: 48°
Field angle 10%: 84.5°
Cut off angle 2.5%: 99.1°

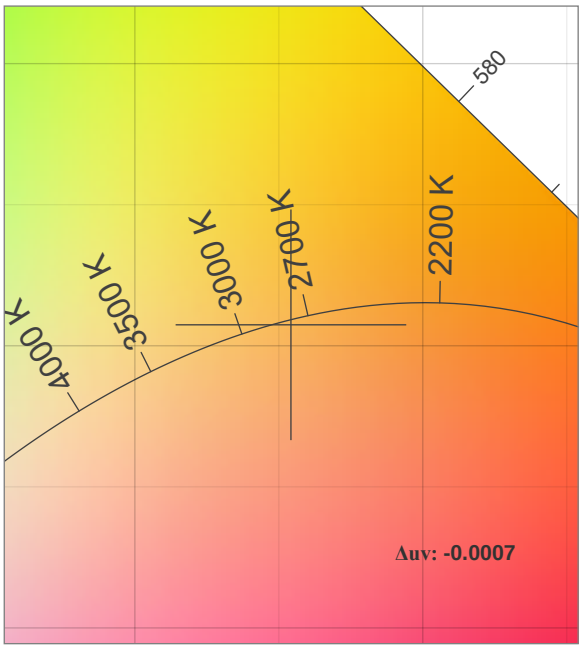
Spectra



COLOR DETAILS

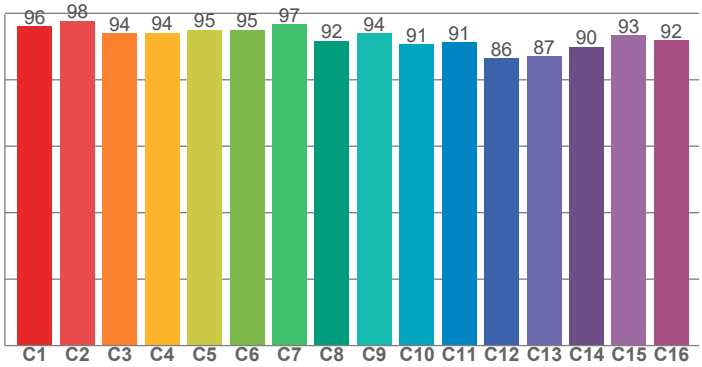


CIE 1931

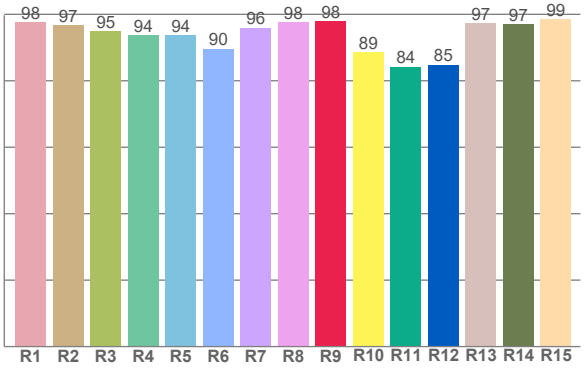


CIE 1931 ZOOM

TM30: 93.2



CRI: 95.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.5	96.8	94.8	93.7	93.7	89.7	96.0	97.8	97.9	88.5	84.3	84.8	97.2	97.0	98.6

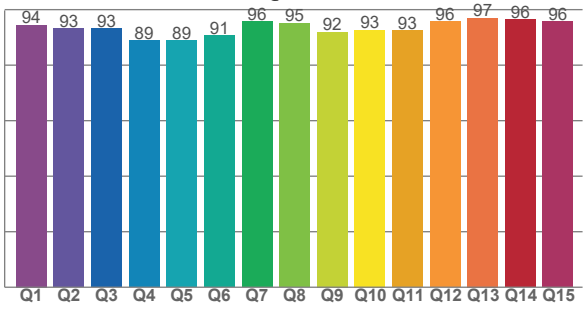
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	97.8	94.0	94.2	95.0	95.0	96.6	91.8	94.0	90.7	91.2	86.5	87.1	90.0	93.4	91.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.5	93.3	93.1	89.0	88.8	90.8	95.7	95.1	91.9	92.6	92.5	95.8	97.0	96.4	95.8

CQS: 92.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2759 K	95.0	97.9	93.2	101.6	92.8	83	0.454	0.407	-0.0007

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TM30 DETAILS

PROLiGHTS

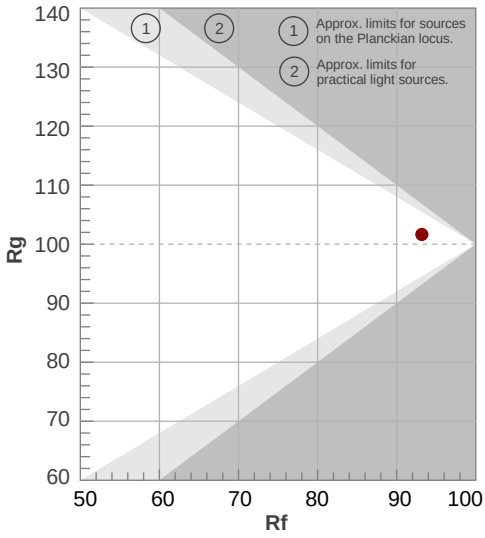
Rf 93.2

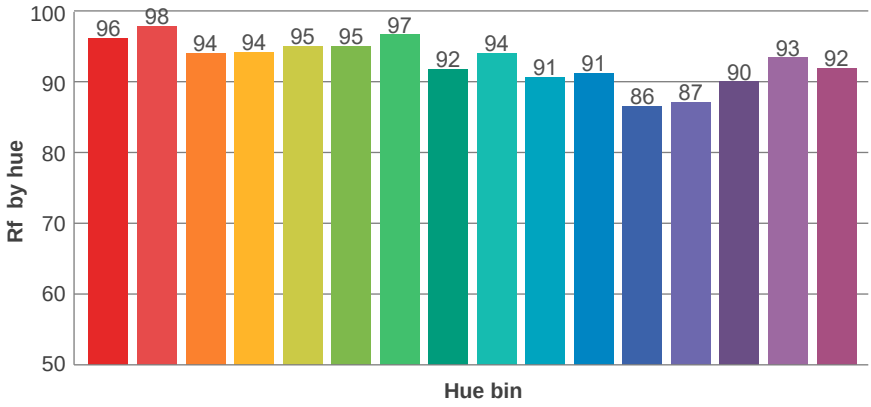
Fidelity index Rf

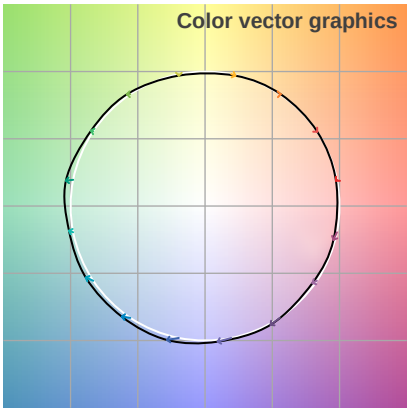
Rg 101.6

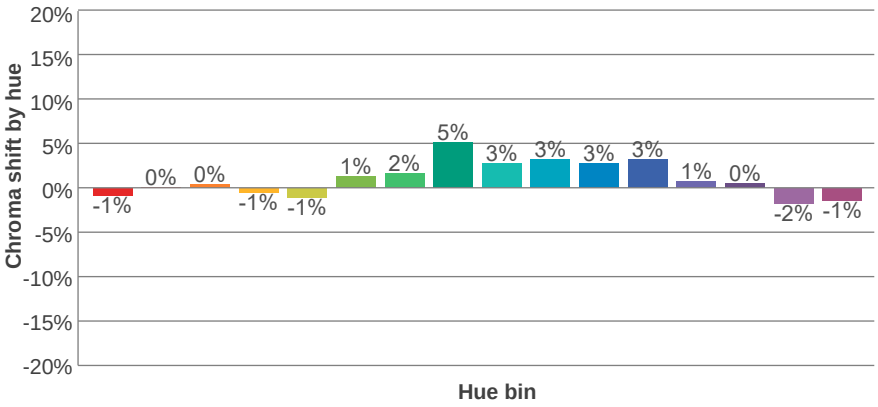
Gammut index Rg

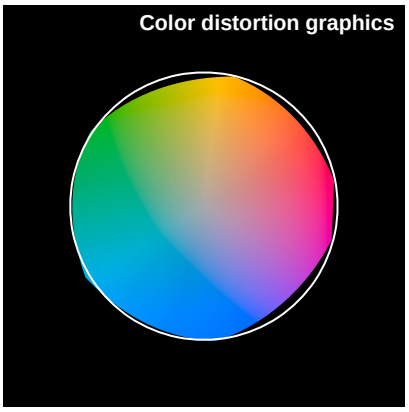
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	98	0%	0%
3	94	0%	-1%
4	94	-1%	-3%
5	95	-1%	0%
6	95	1%	2%
7	97	2%	1%
8	92	5%	2%
9	94	3%	-2%
10	91	3%	-5%
11	91	3%	-6%
12	86	3%	-8%
13	87	1%	-10%
14	90	0%	-9%
15	93	-2%	-3%
16	92	-1%	-6%

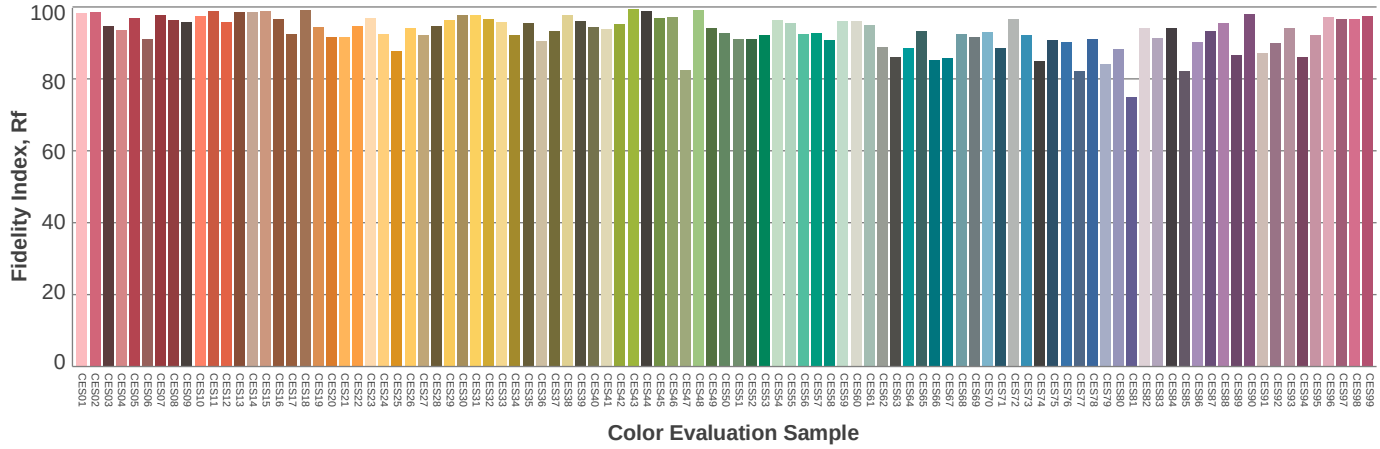












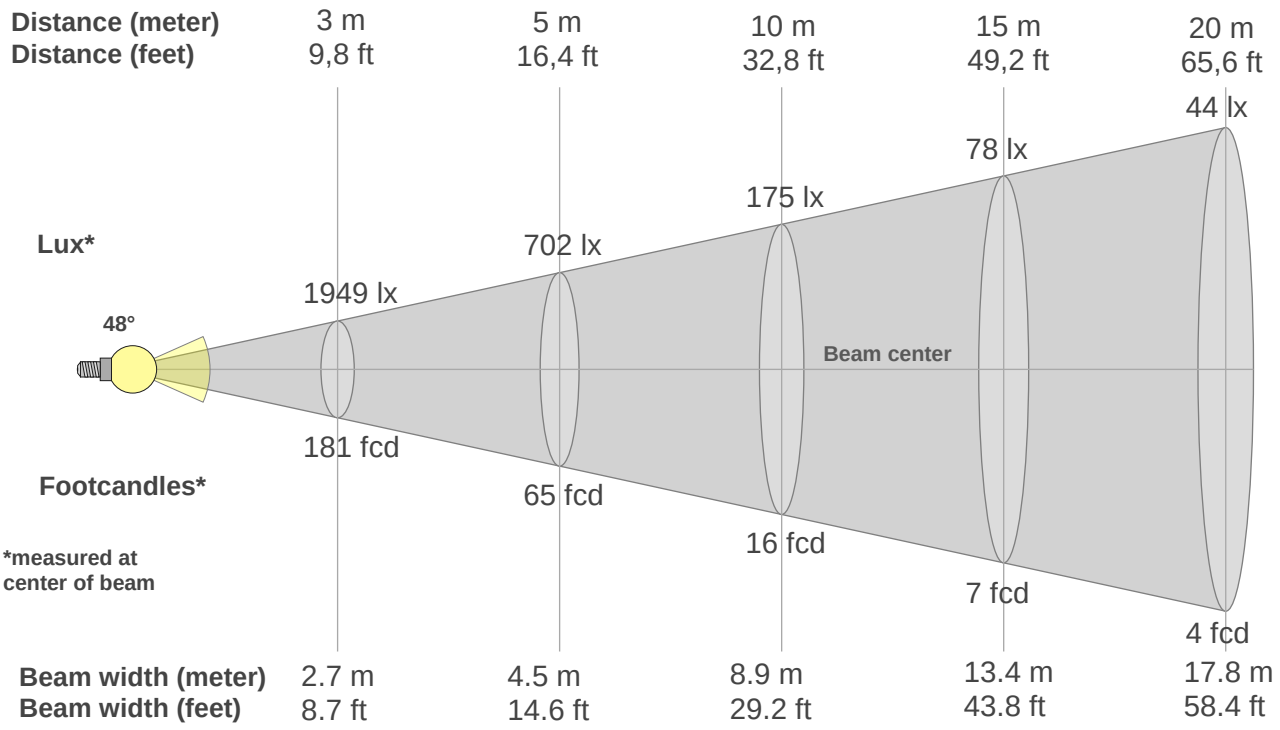
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BEAM DETAILS

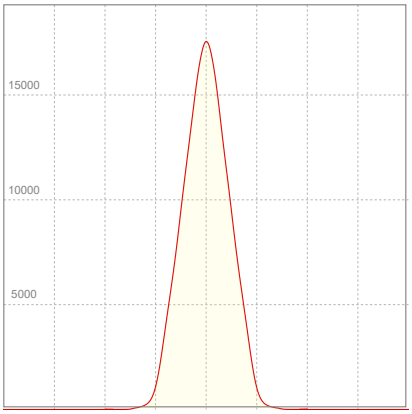
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48°	84.5°	99.1°	99.5%	96.0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17544lx	4386lx	1949lx	1096lx	702lx	312lx	175lx	78lx	44lx	28lx	19lx	11lx	7lx
Footcand.	1630fcd	407fcd	181fcd	102fcd	65fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.8m	22.3m	26.7m	35.6m	44.5m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	21.9ft	29.2ft	43.8ft	58.4ft	73.1ft	87.7ft	116.9ft	146.1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.20A	256.3W	0.95	50lm/W

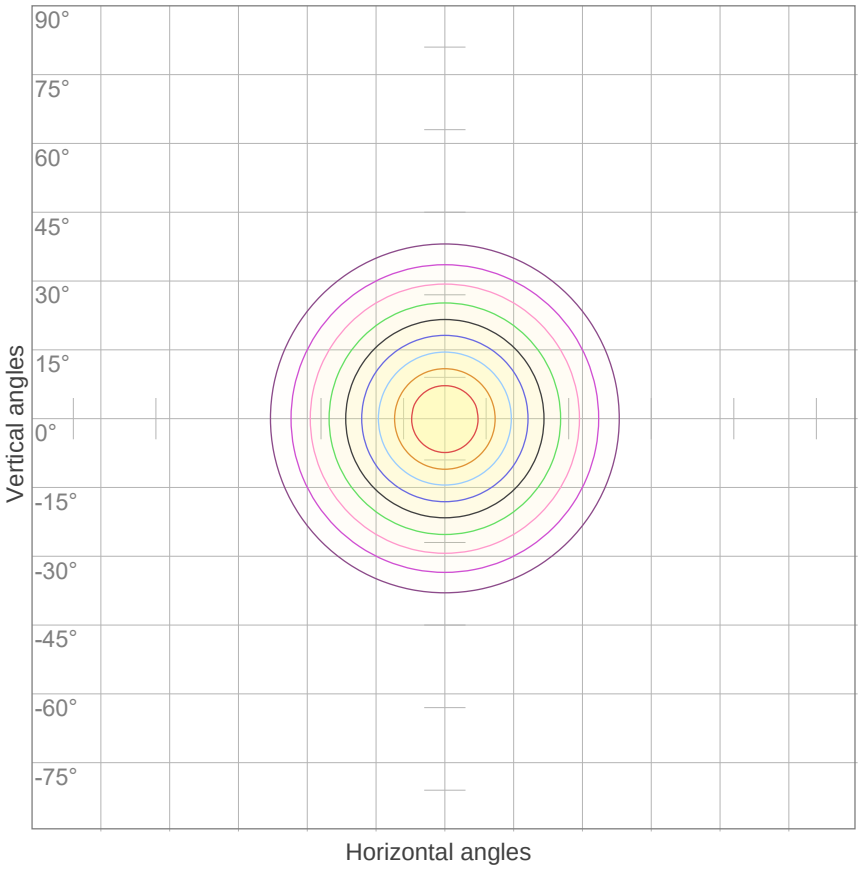
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



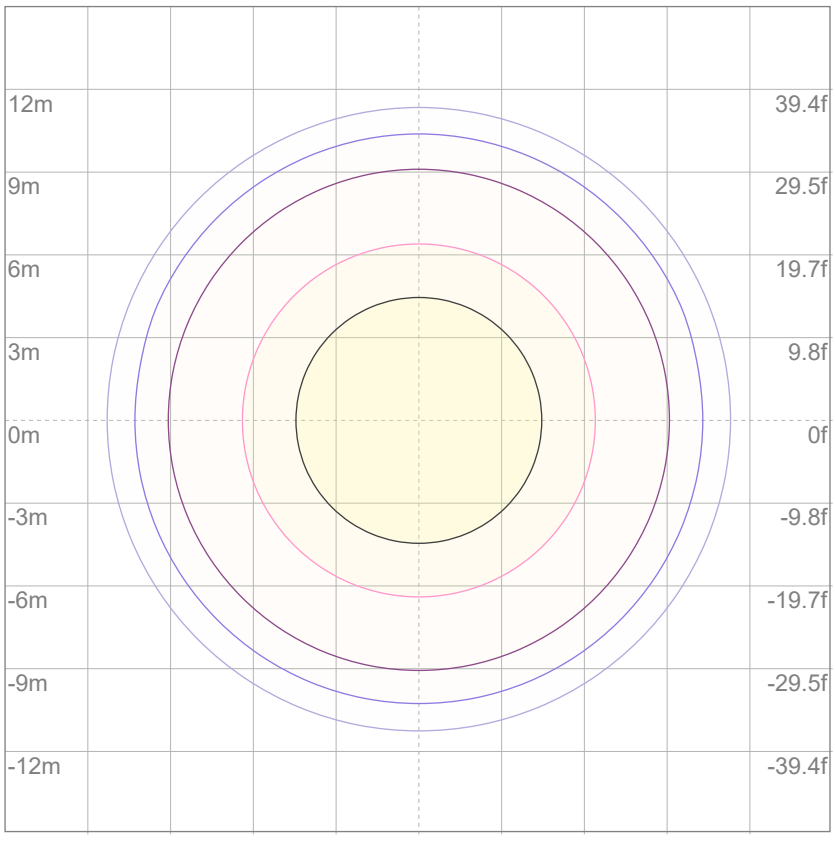
10%	1754 cd
20%	3509 cd
30%	5263 cd
40%	7017 cd
50%	8772 cd
60%	10526 cd
70%	12281 cd
80%	14035 cd
90%	15789 cd

Conditions:

Number of c-planes: 2

Candela at center: 17544 cd

ISO LUX DIAGRAM



3%	5.26 lx
5%	8.77 lx
10%	17.5 lx
30%	52.6 lx
50%	87.7 lx

Conditions:

Number of c-planes: 2

Lux at center: 175 lx

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



Total lumen output:

11870 lm

Peak candela output:

58457 cd

Light quality:

CRI: 94.6

Color temperature:

2738 K

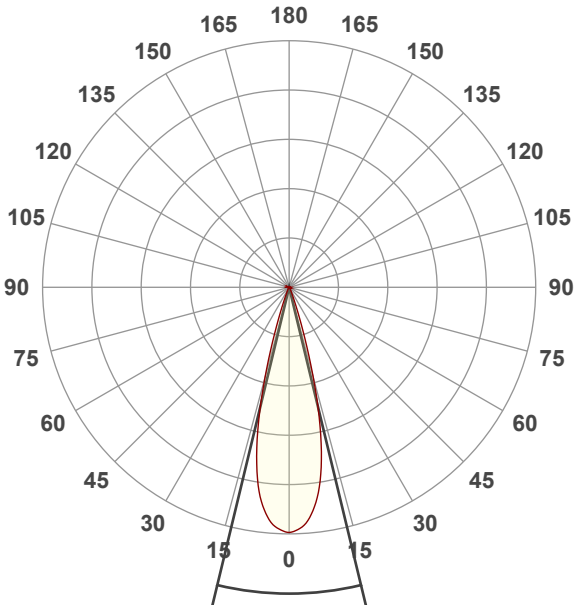
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
2800K

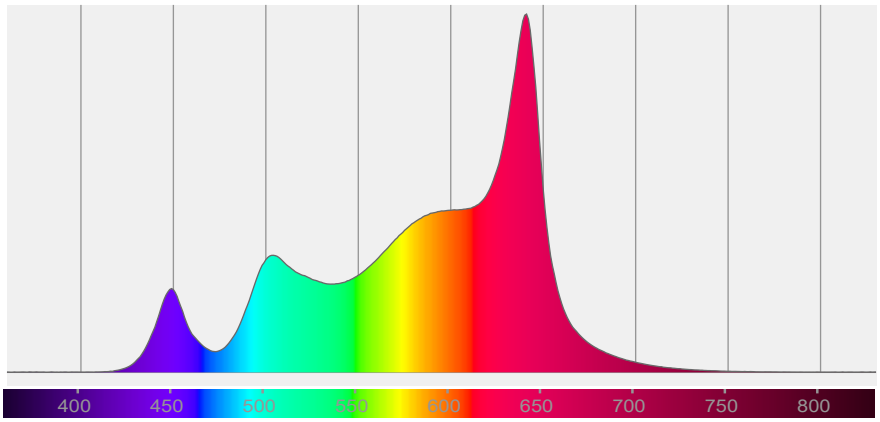
Operator:
Prolight R&D

Date and time:
8/29/2026 2:47:38 PM

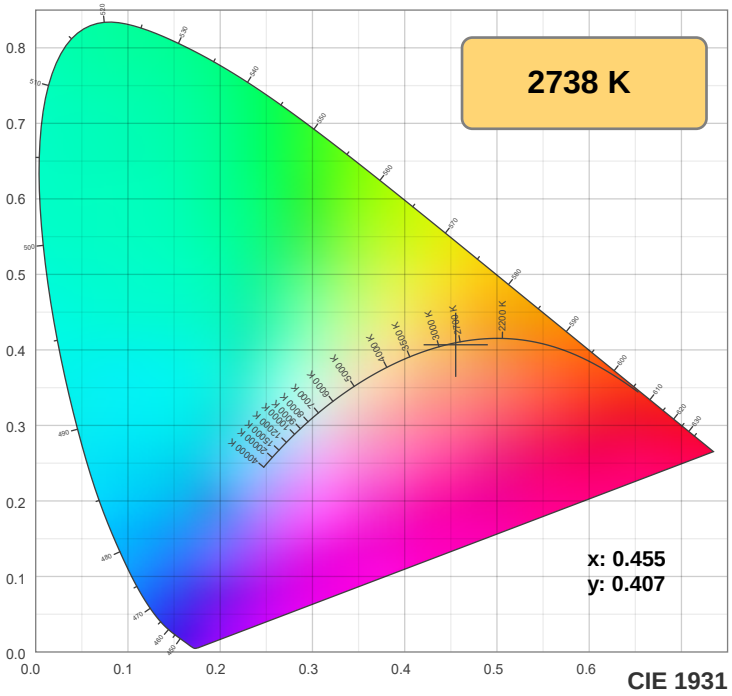


Beam angle 50%: 27.1°
Field angle 10%: 38.9°
Cut off angle 2.5%: 48.4°

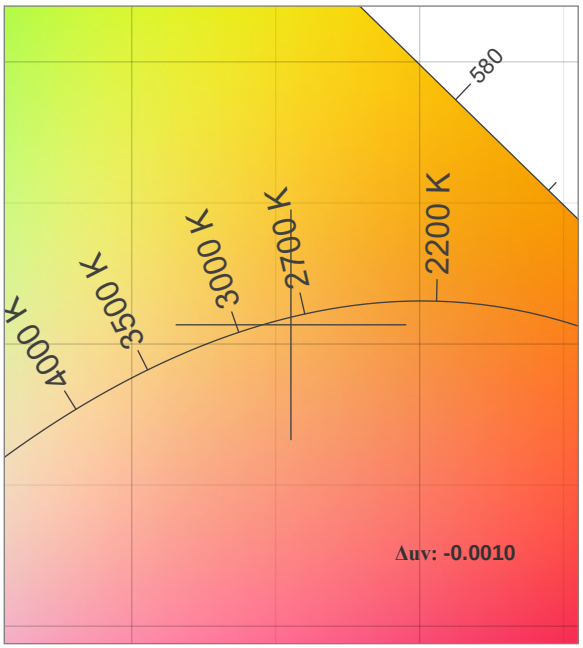
Spectra



COLOR DETAILS

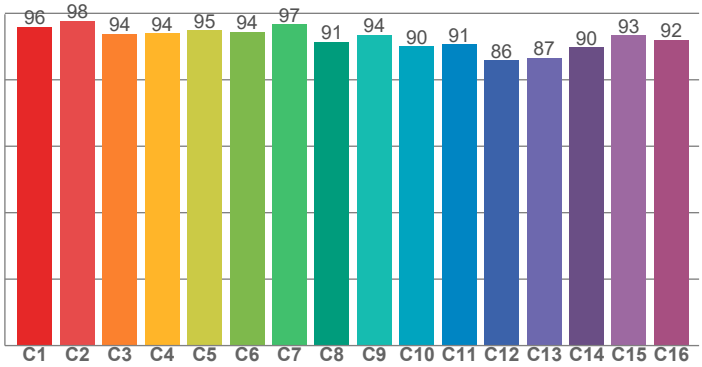


CIE 1931

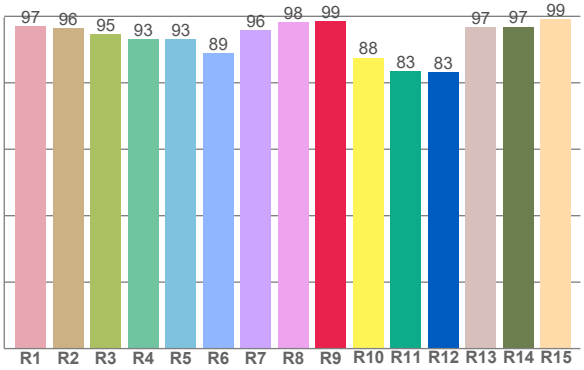


CIE 1931 ZOOM

TM30: 92.9



CRI: 94.6 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.0	96.4	94.6	93.1	93.0	88.8	95.9	98.1	98.5	87.6	83.5	83.3	96.7	96.9	99.1

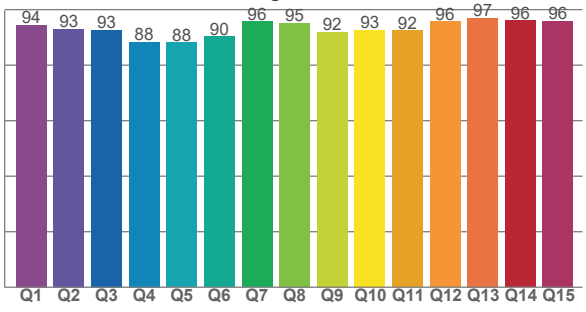
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.0	97.7	93.8	94.0	94.9	94.4	96.6	91.4	93.6	90.0	90.6	85.9	86.6	89.8	93.4	92.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.5	93.0	92.7	88.4	88.2	90.3	95.7	95.2	92.0	92.7	92.4	95.7	97.0	96.1	95.8

CQS: 92.6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2738 K	94.6	98.5	92.9	101.9	92.6	82	0.455	0.407	-0.0010

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TM30 DETAILS

PROLiGHTS

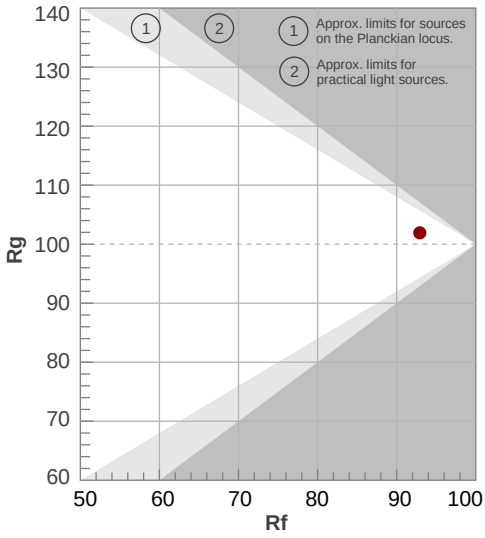
Rf 92.9

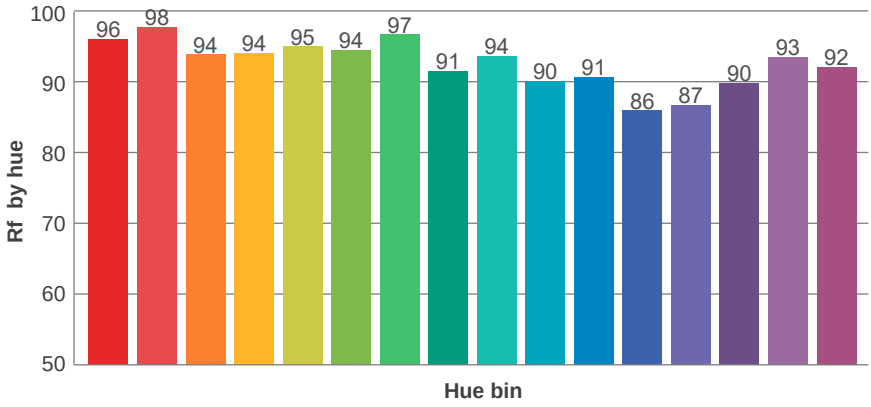
Fidelity index Rf

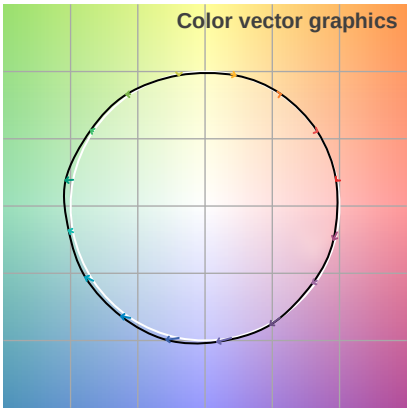
Rg 101.9

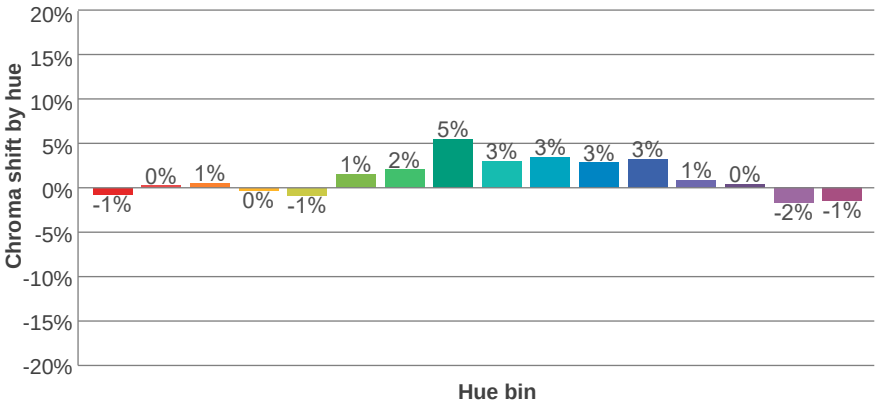
Gammut index Rg

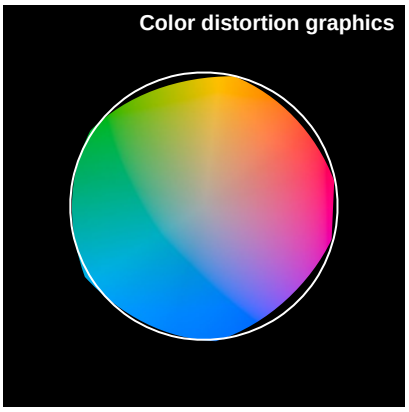
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	98	0%	0%
3	94	1%	-1%
4	94	0%	-3%
5	95	-1%	0%
6	94	1%	3%
7	97	2%	0%
8	91	5%	2%
9	94	3%	-2%
10	90	3%	-5%
11	91	3%	-6%
12	86	3%	-9%
13	87	1%	-11%
14	90	0%	-9%
15	93	-2%	-3%
16	92	-1%	-6%

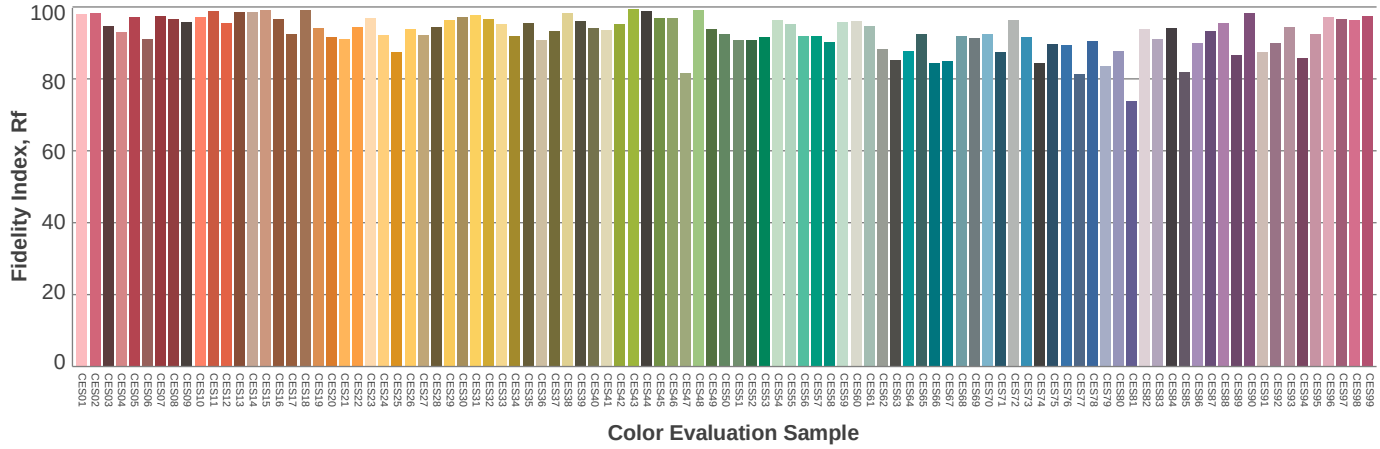












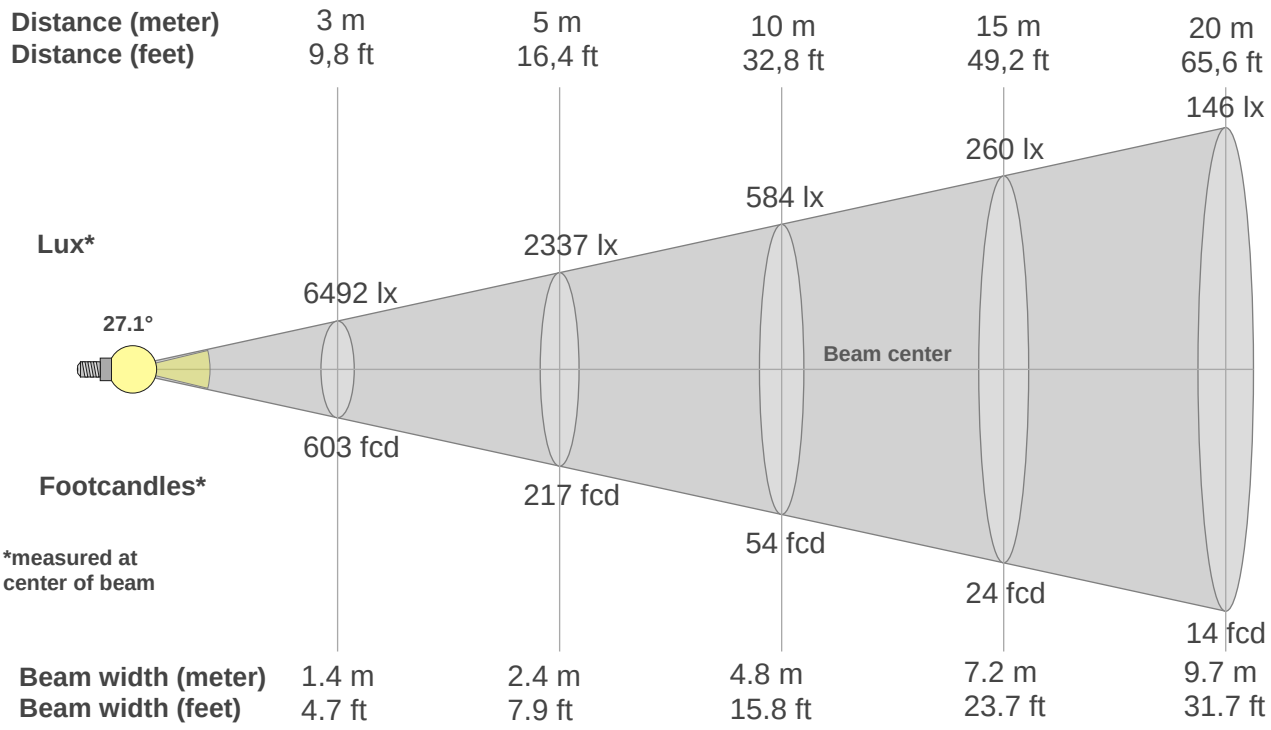
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BEAM DETAILS

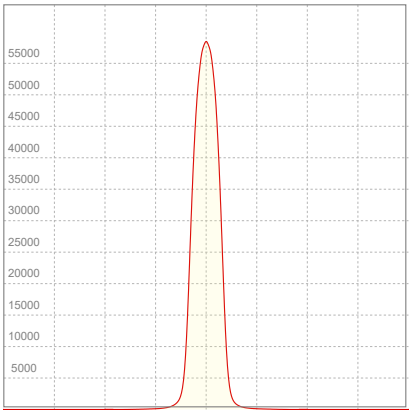
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.1°	38.9°	48.4°	99.8%	99.0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	58430lx	14607lx	6492lx	3652lx	2337lx	1039lx	584lx	260lx	146lx	93lx	65lx	37lx	23lx
Footcand.	5428fcd	1357fcd	603fcd	339fcd	217fcd	97fcd	54fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.1m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.7ft	31.7ft	39.6ft	47.5ft	63.3ft	79.1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.21A	257.7W	0.95	46lm/W

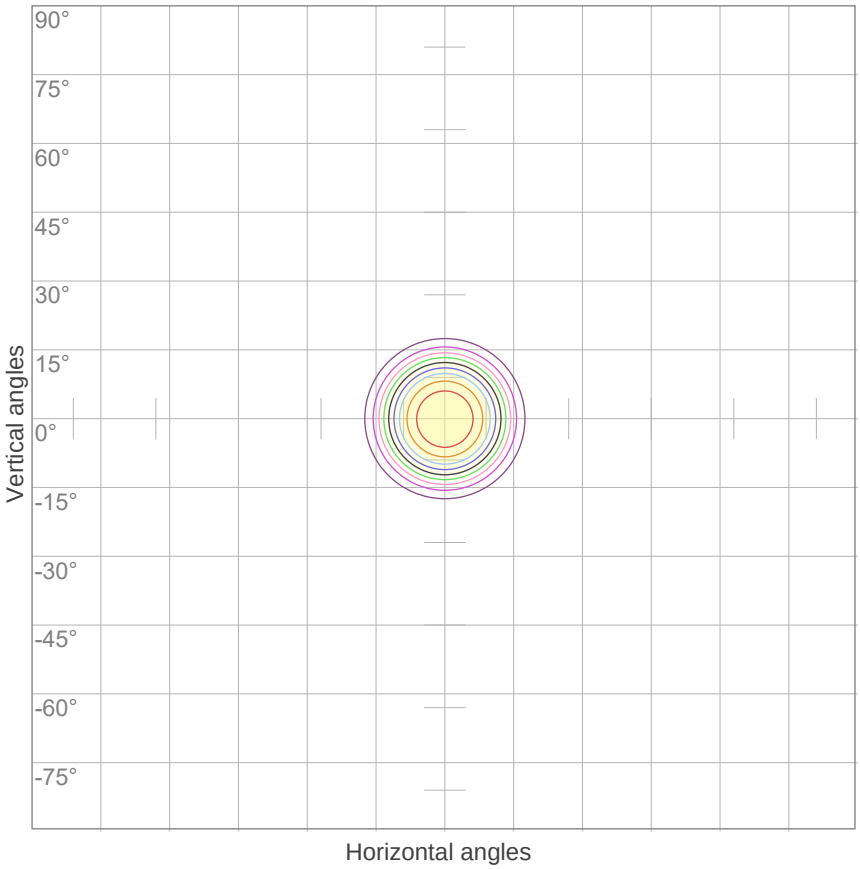
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



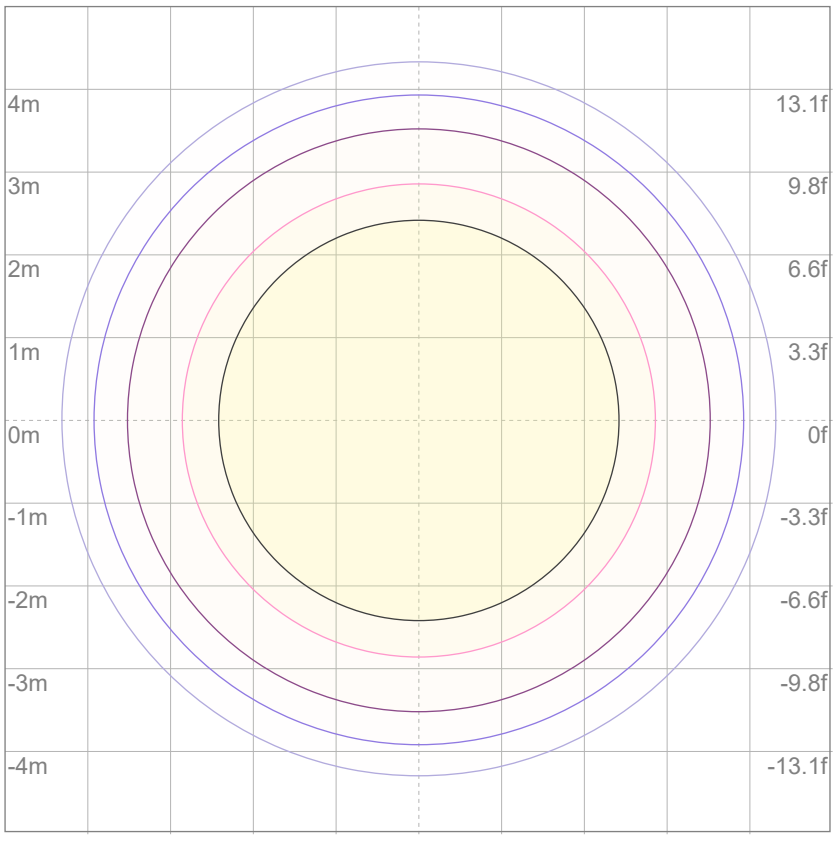
10%	5843 cd
20%	11686 cd
30%	17529 cd
40%	23372 cd
50%	29215 cd
60%	35058 cd
70%	40901 cd
80%	46744 cd
90%	52587 cd

Conditions:

Number of c-planes: 2

Candela at center: 58430 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	17.5 lx
5%	29.2 lx
10%	58.4 lx
30%	175 lx
50%	292 lx

Conditions:

Number of c-planes: 2

Lux at center: 584 lx

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



Total lumen output:

8131 lm

Peak candela output:

156452 cd

Light quality:

CRI: 94.8

Color temperature:

2760 K

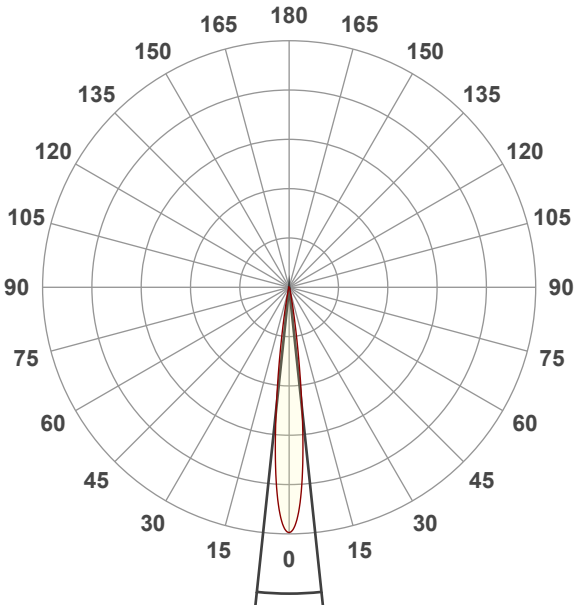
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
2800K

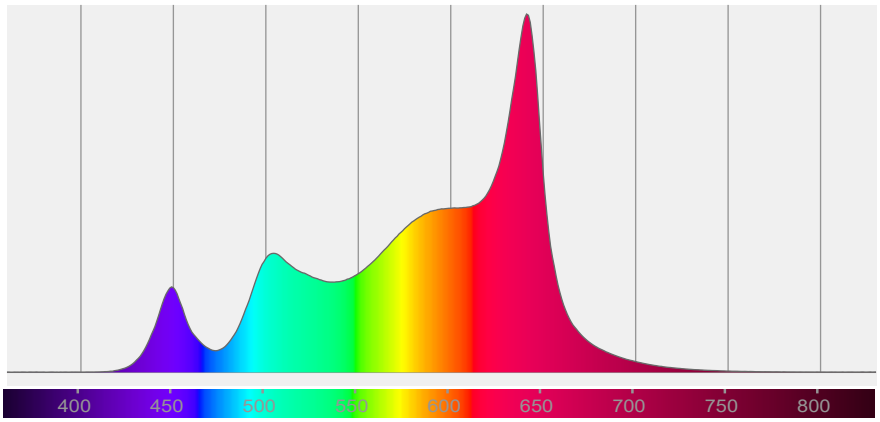
Operator:
Prolight R&D

Date and time:
8/29/2026 11:52:14 AM

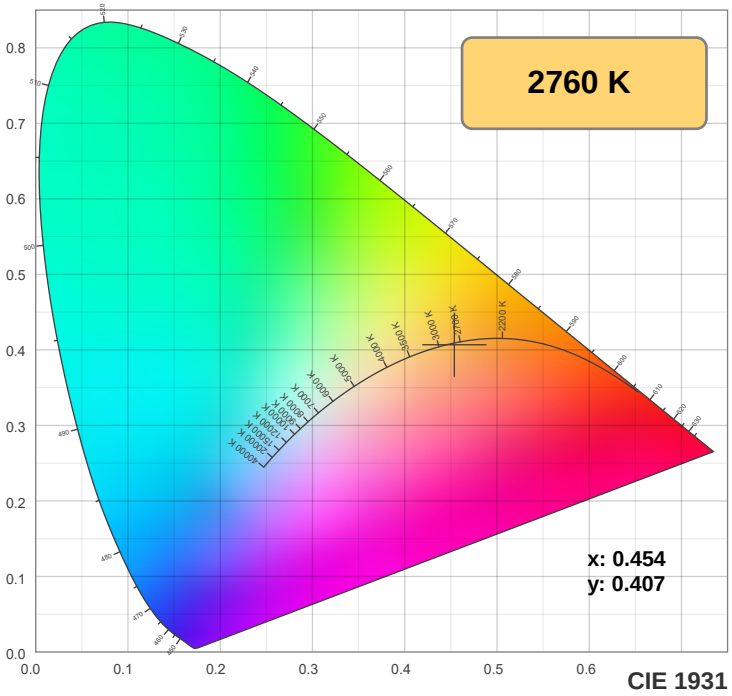


Beam angle 50%: 12.1°
Field angle 10%: 20.2°
Cut off angle 2.5%: 27.5°

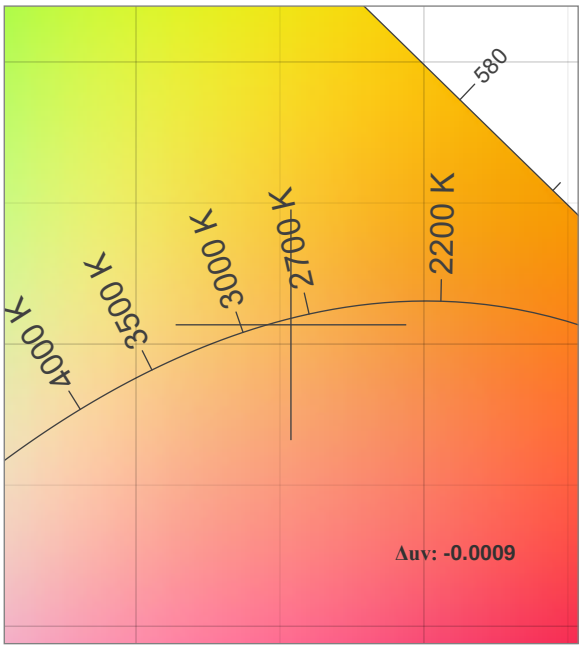
Spectra



COLOR DETAILS

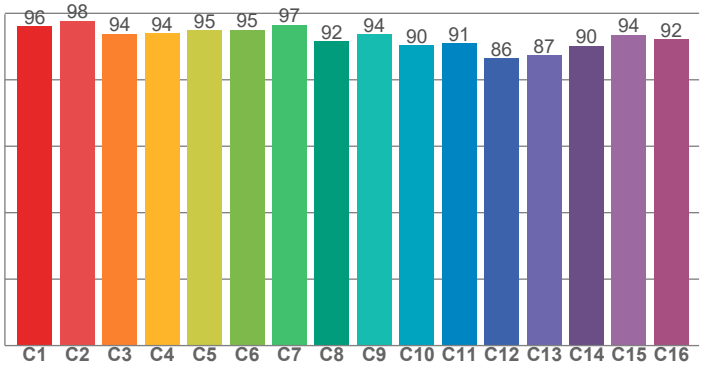


CIE 1931

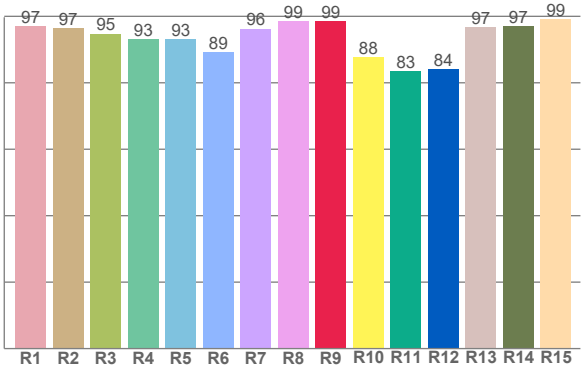


CIE 1931 ZOOM

TM30: 93.1



CRI: 94.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.0	96.5	94.8	93.1	93.1	89.2	96.3	98.5	98.7	87.8	83.5	84.0	96.7	97.0	99.1

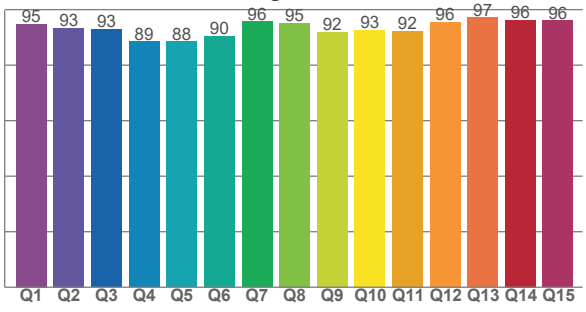
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	97.7	93.8	94.0	95.0	95.0	96.5	91.5	93.7	90.3	90.9	86.4	87.3	90.2	93.6	92.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.9	93.4	92.9	88.6	88.4	90.5	95.7	95.2	92.0	92.6	92.3	95.6	97.2	96.3	96.1

CQS: 92.7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2760 K	94.8	98.7	93.1	101.9	92.7	83	0.454	0.407	-0.0009

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TM30 DETAILS

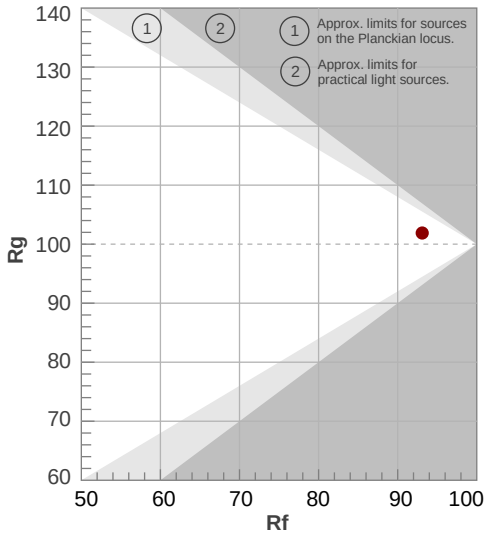
Rf 93.1

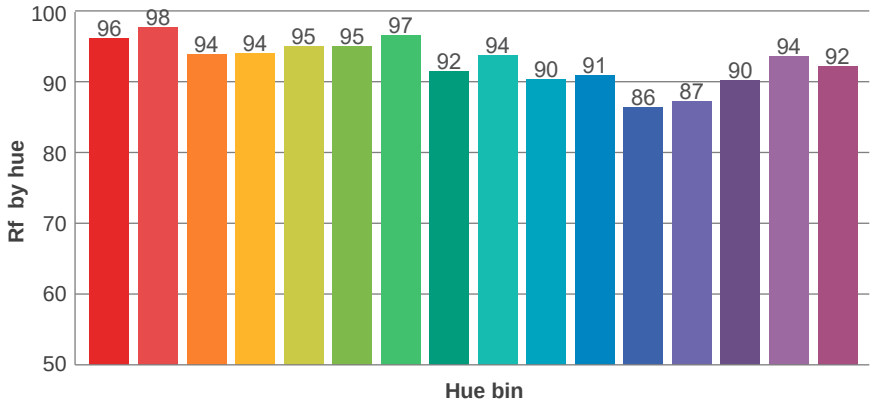
Fidelity index Rf

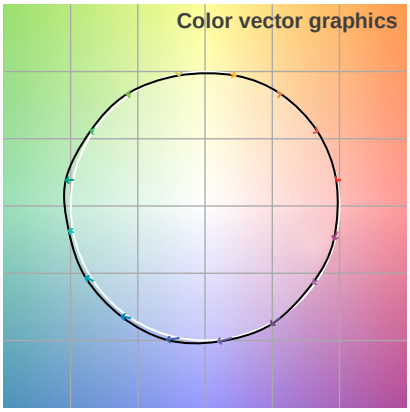
Rg 101.9

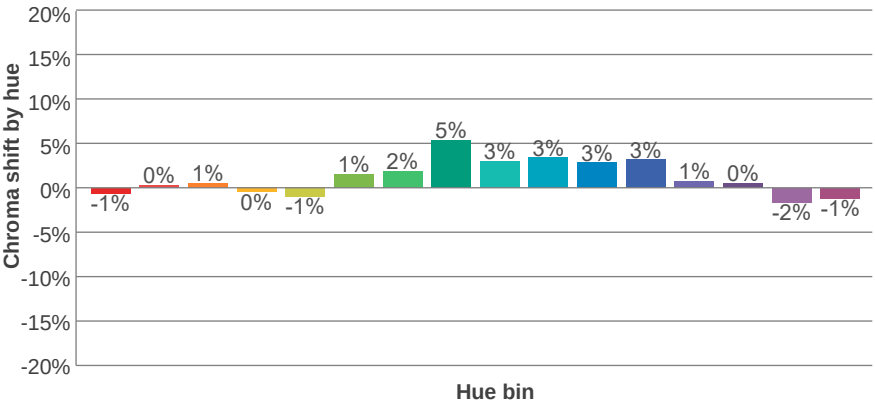
Gammut index Rg

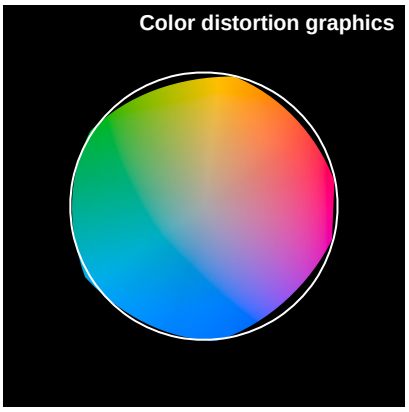
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	98	0%	0%
3	94	1%	-1%
4	94	0%	-3%
5	95	-1%	0%
6	95	1%	2%
7	97	2%	1%
8	92	5%	2%
9	94	3%	-2%
10	90	3%	-5%
11	91	3%	-6%
12	86	3%	-8%
13	87	1%	-10%
14	90	0%	-8%
15	94	-2%	-3%
16	92	-1%	-6%

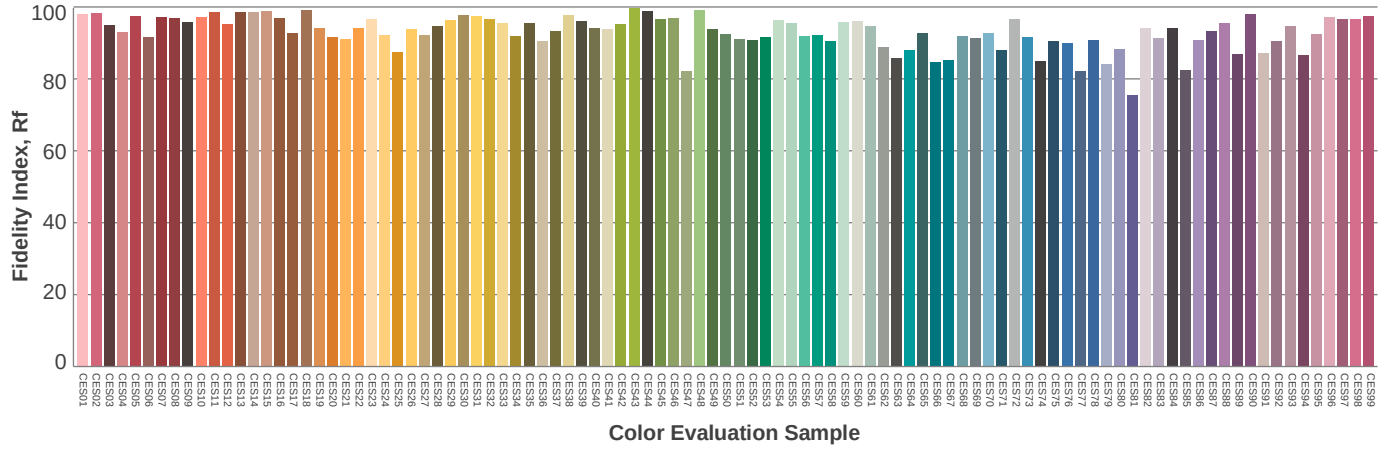












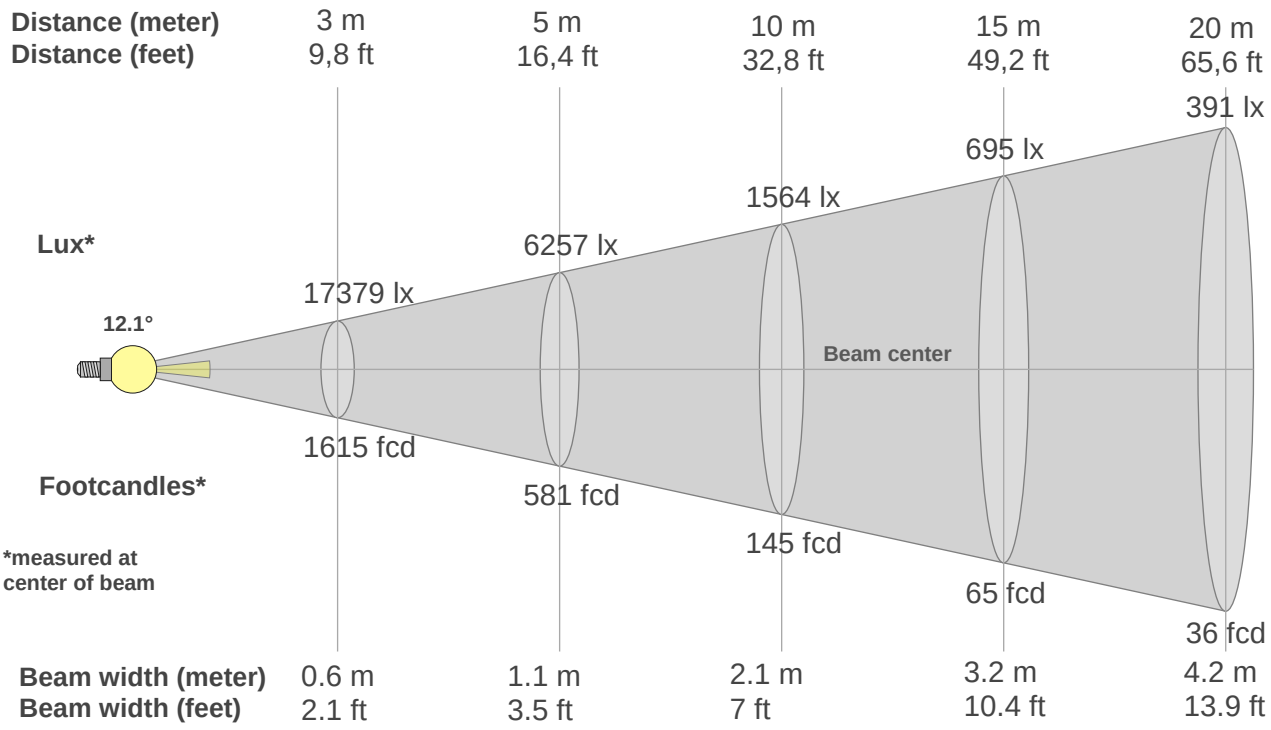
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BEAM DETAILS

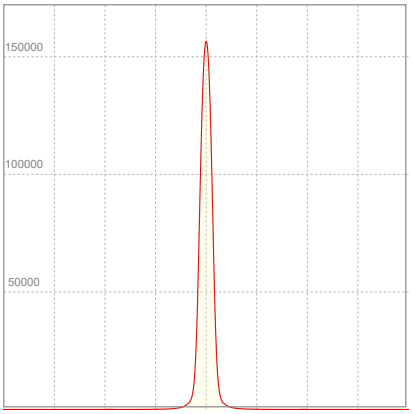
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.2°	27.5°	99.8%	98.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	156414lx	39103lx	17379lx	9776lx	6257lx	2781lx	1564lx	695lx	391lx	250lx	174lx	98lx	63lx
Footcand.	14531fcd	3633fcd	1615fcd	908fcd	581fcd	258fcd	145fcd	65fcd	36fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0.2m	0.4m	0.6m	0.8m	1.1m	1.6m	2.1m	3.2m	4.2m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.4ft	13.9ft	17.4ft	20.9ft	27.8ft	34.8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1.19A	256.1W	0.95	32lm/W

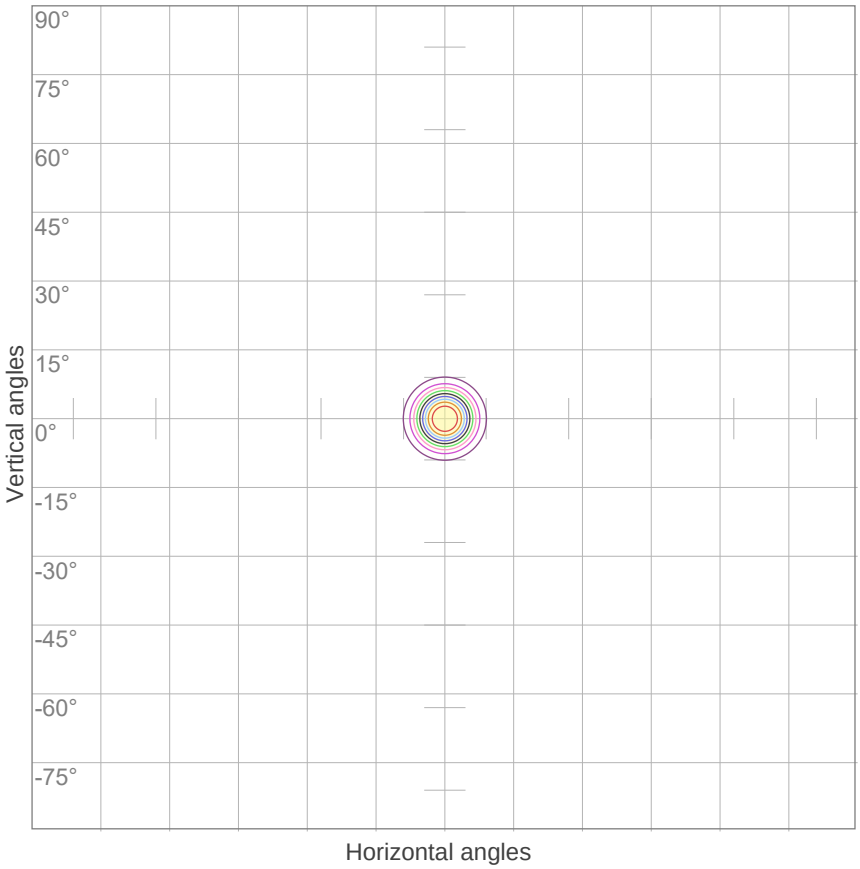
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



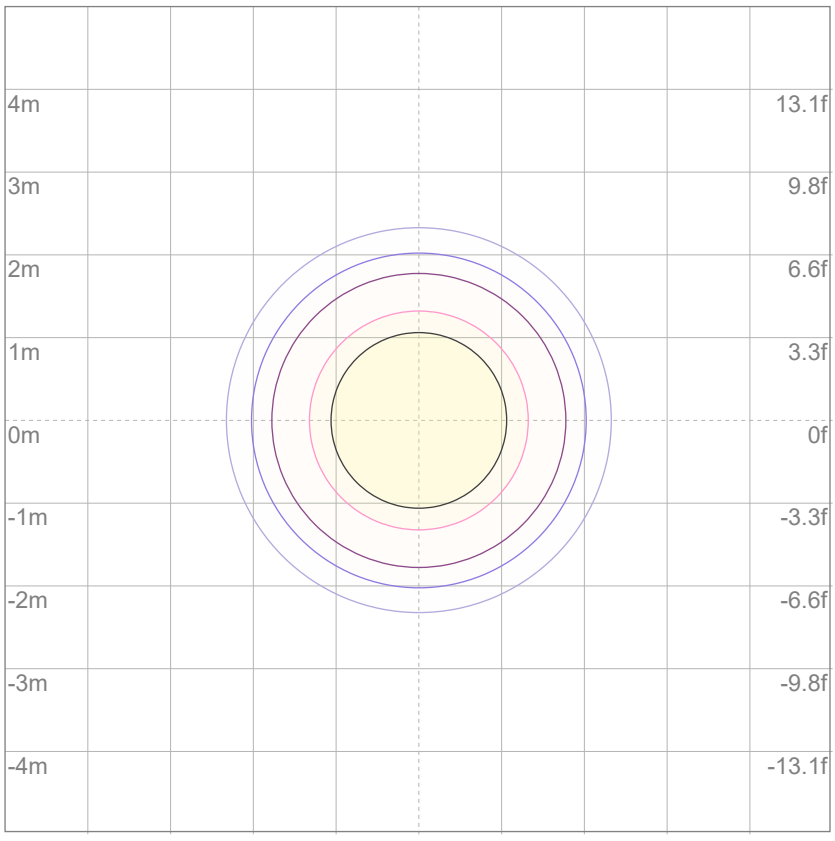
10%	15641 cd
20%	31283 cd
30%	46924 cd
40%	62566 cd
50%	78207 cd
60%	93848 cd
70%	109490 cd
80%	125131 cd
90%	140772 cd

Conditions:

Number of c-planes: 2

Candela at center: 156414 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	46.9 lx
5%	78.2 lx
10%	156 lx
30%	469 lx
50%	782 lx

Conditions:

Number of c-planes: 2

Lux at center: 1564 lx

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

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Total lumen output:

14040 lm

Peak candela output:

19310 cd

Light quality:

CRI: 95.5

Color temperature:

3124 K

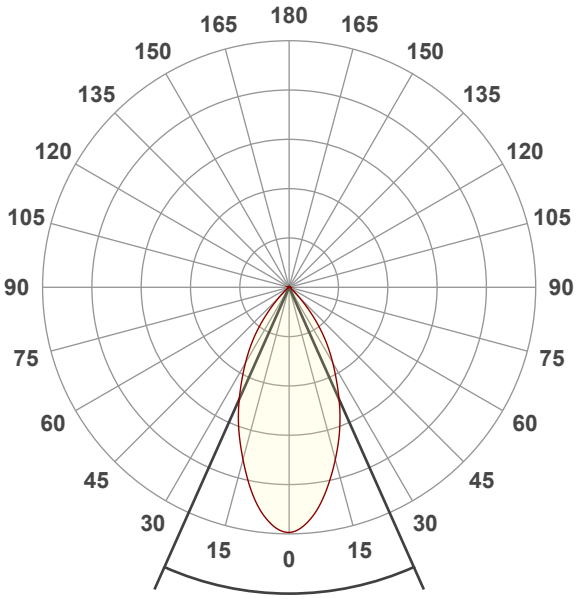
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
3200K

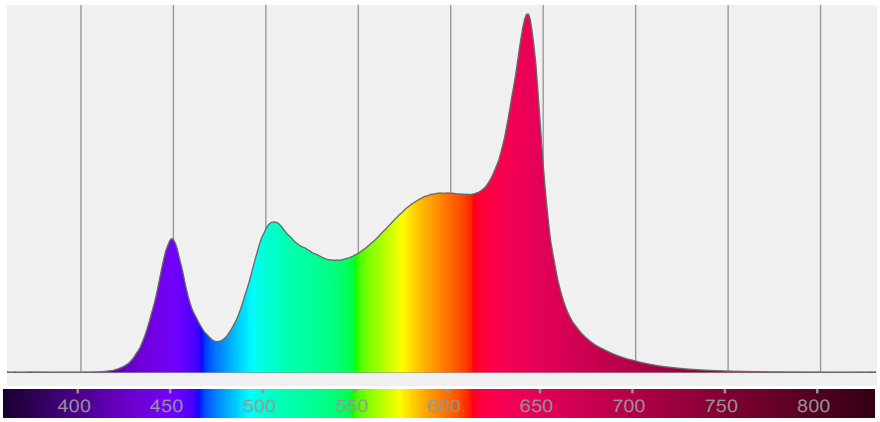
Operator:
Prolight R&D

Date and time:
8/29/2026 3:29:45 PM

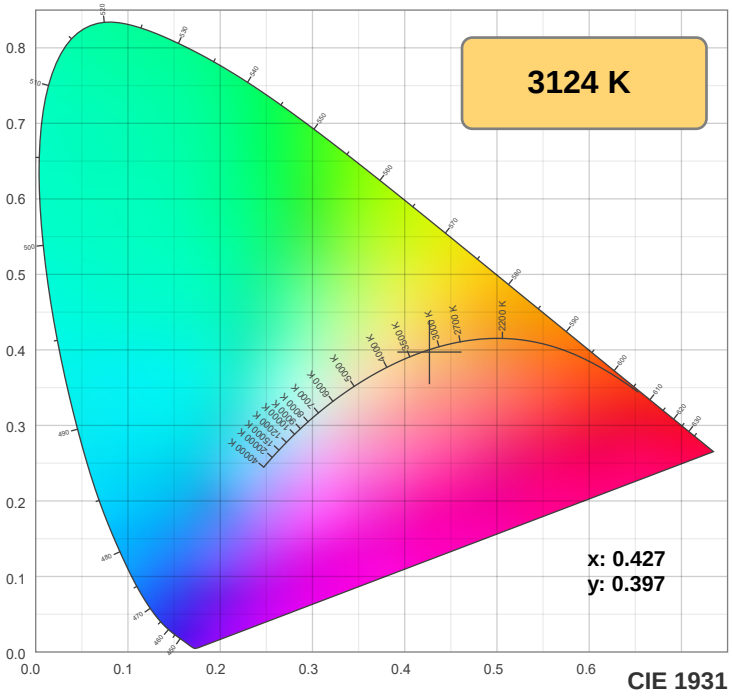


Beam angle 50%: 48.1°
Field angle 10%: 84.6°
Cut off angle 2.5%: 99.1°

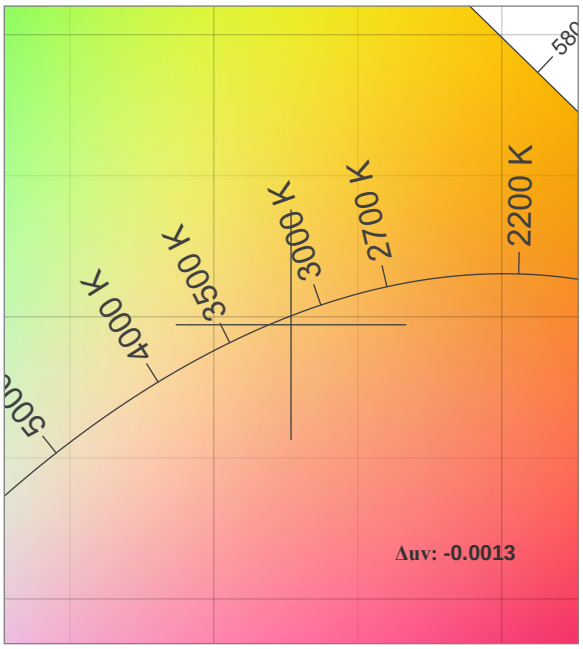
Spectra



COLOR DETAILS

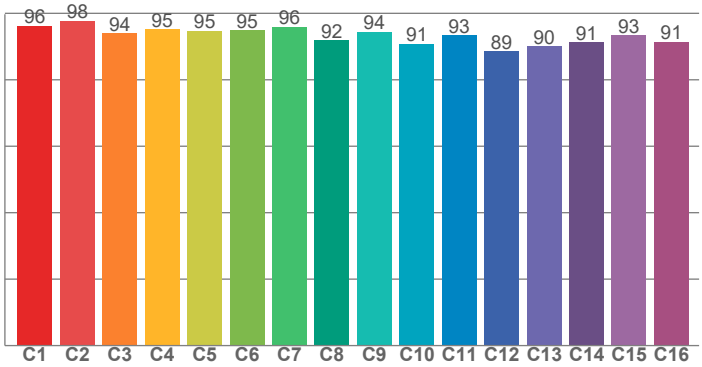


CIE 1931

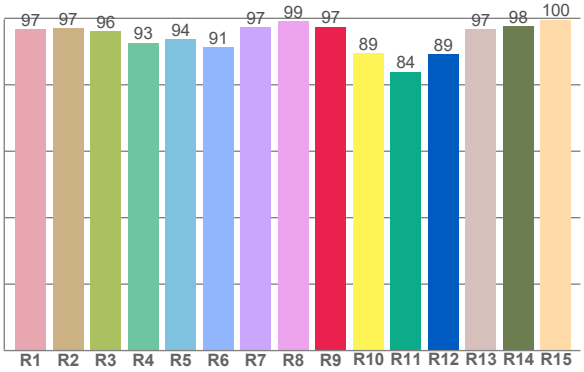


CIE 1931 ZOOM

TM30: 93.8



CRI: 95.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	97.1	96.1	92.7	93.6	91.2	97.2	99.2	97.5	89.4	83.9	89.3	96.8	97.6	99.6

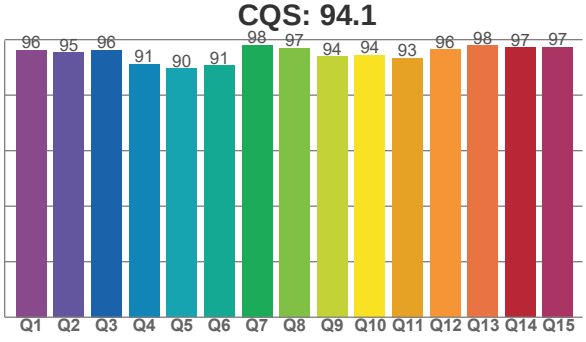
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	97.8	94.1	95.2	94.7	94.9	95.9	91.8	94.4	90.9	93.3	88.5	90.1	91.4	93.4	91.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.3	95.3	96.2	91.2	89.7	90.6	98.0	96.9	94.0	94.5	93.4	96.5	97.9	97.2	97.3

CQS: 94.1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3124 K	95.5	97.5	93.8	102.9	94.1	85	0.427	0.397	-0.0013

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TM30 DETAILS

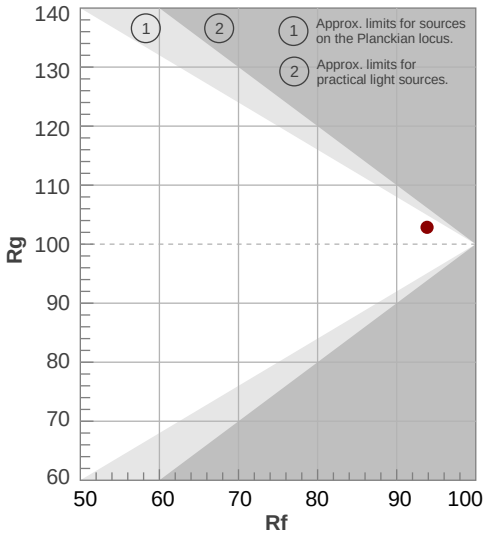
Rf 93.8

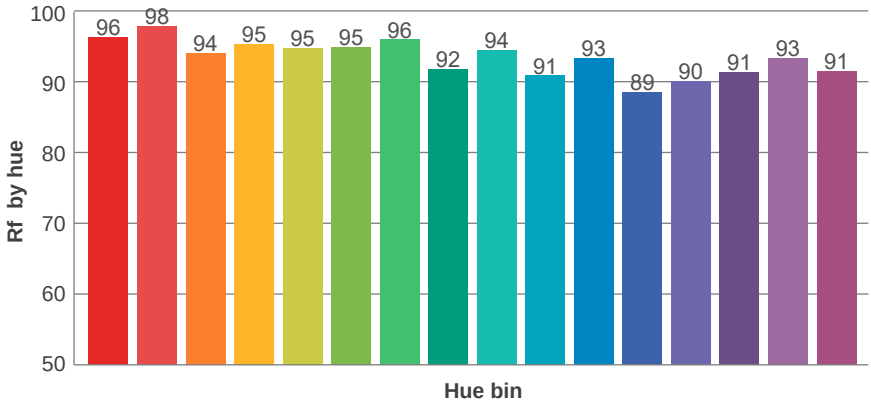
Fidelity index Rf

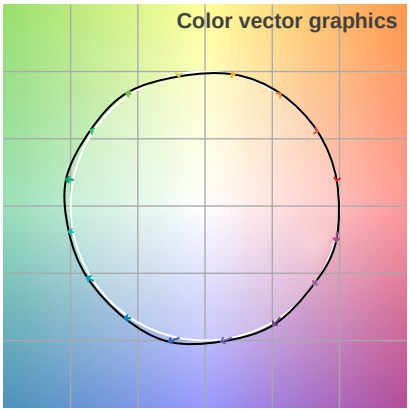
Rg 102.9

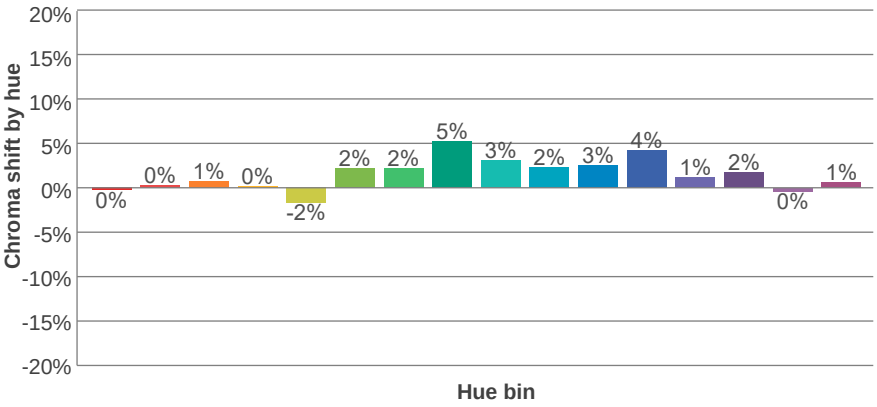
Gammut index Rg

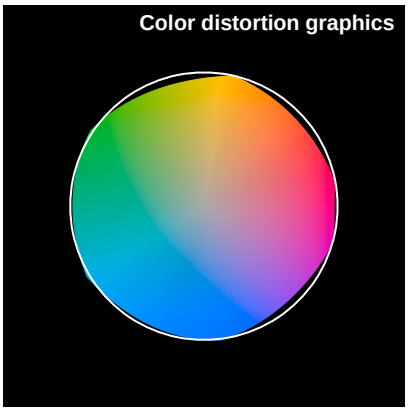
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Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	94	1%	0%
4	95	0%	-2%
5	95	-2%	0%
6	95	2%	2%
7	96	2%	0%
8	92	5%	1%
9	94	3%	-1%
10	91	2%	-5%
11	93	3%	-3%
12	89	4%	-7%
13	90	1%	-8%
14	91	2%	-7%
15	93	0%	-4%
16	91	1%	-7%

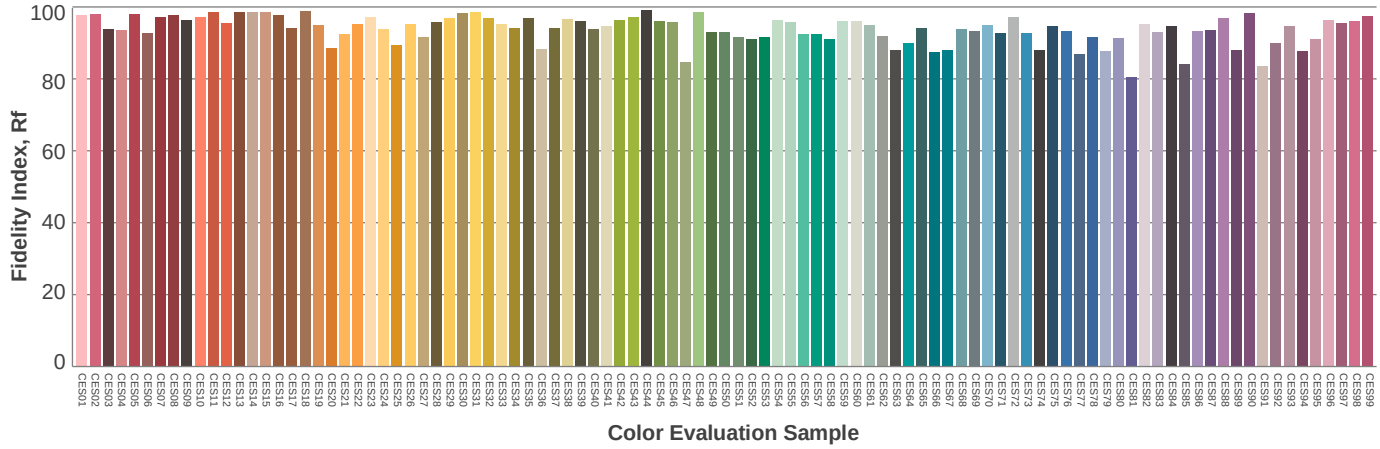












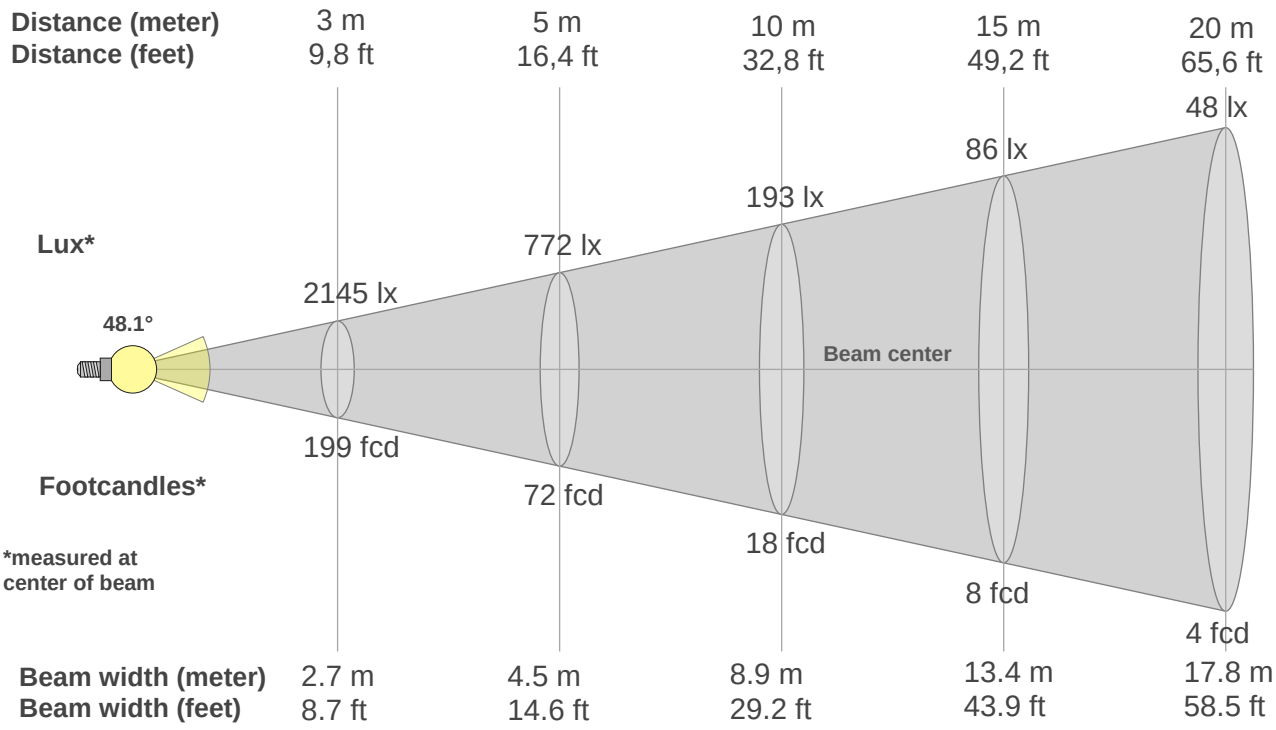
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BEAM DETAILS

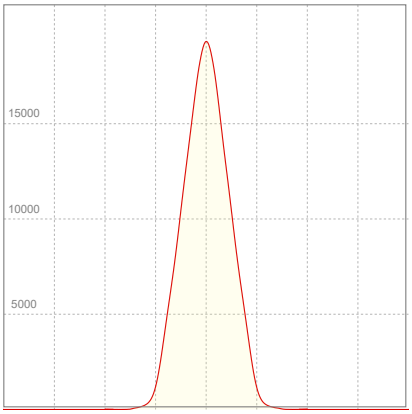
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.6°	99.1°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19308lx	4827lx	2145lx	1207lx	772lx	343lx	193lx	86lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1794fcd	448fcd	199fcd	112fcd	72fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.8m	22.3m	26.7m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	21.9ft	29.2ft	43.9ft	58.5ft	73.1ft	87.7ft	117ft	146.2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1.29A	277.8W	0.95	51lm/W

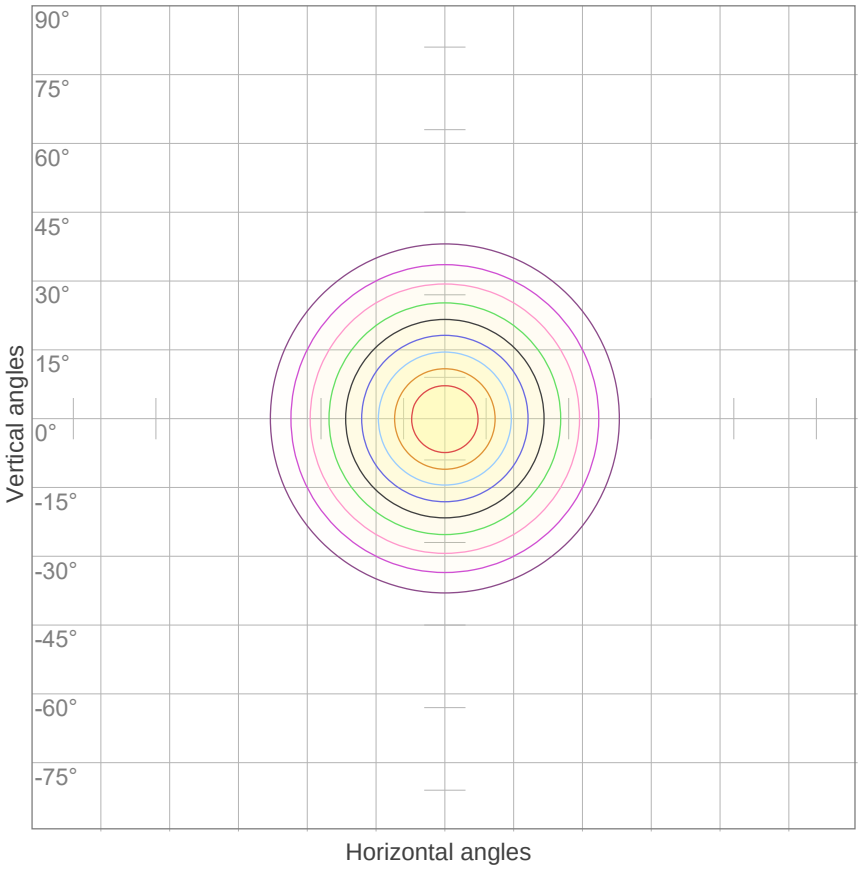
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



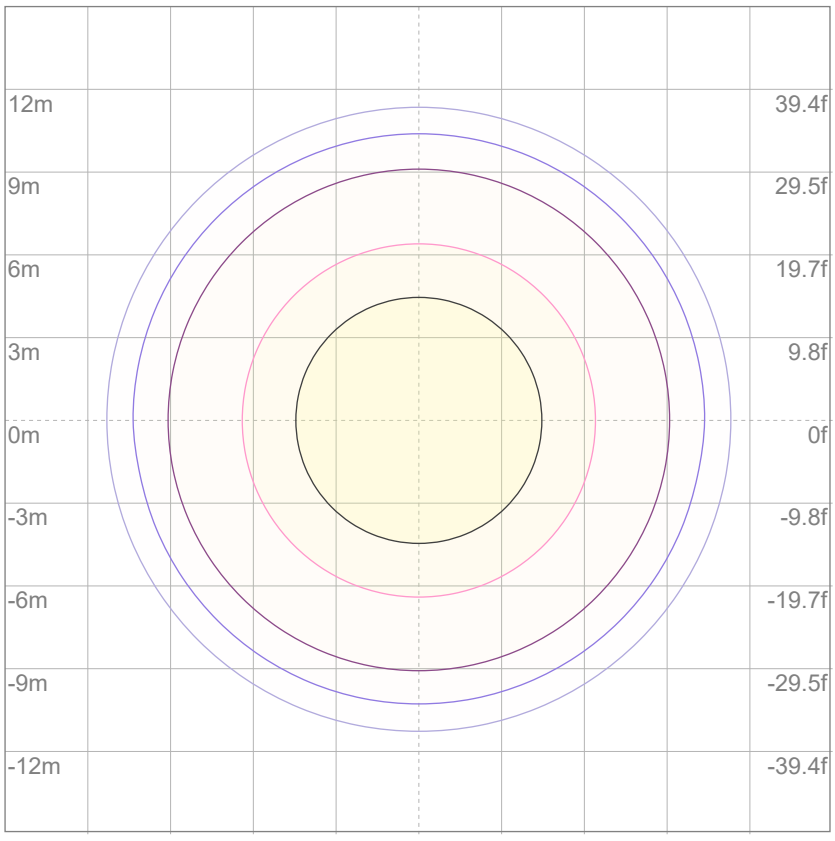
10%	1931 cd
20%	3862 cd
30%	5792 cd
40%	7723 cd
50%	9654 cd
60%	11585 cd
70%	13516 cd
80%	15446 cd
90%	17377 cd

Conditions:

Number of c-planes: 2

Candela at center: 19308 cd

ISO LUX DIAGRAM



3%	5.79 lx
5%	9.65 lx
10%	19.3 lx
30%	57.9 lx
50%	96.5 lx

Conditions:

Number of c-planes: 2

Lux at center: 193 lx

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



Total lumen output:

13008 lm

Peak candela output:

63866 cd

Light quality:

CRI: 95.4

Color temperature:

3118 K

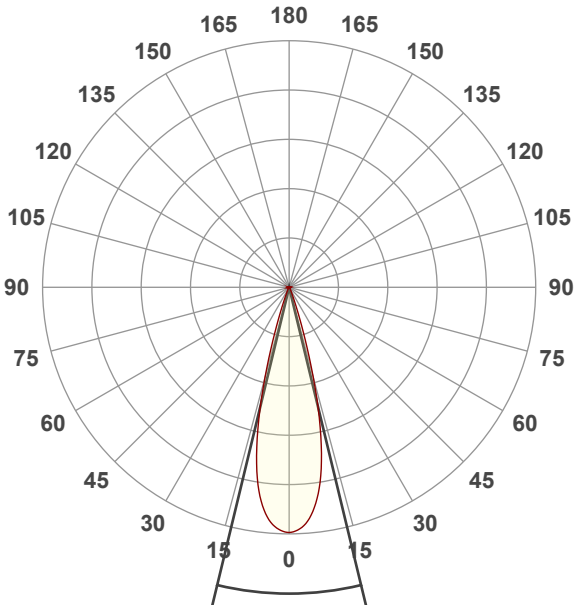
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
3200K

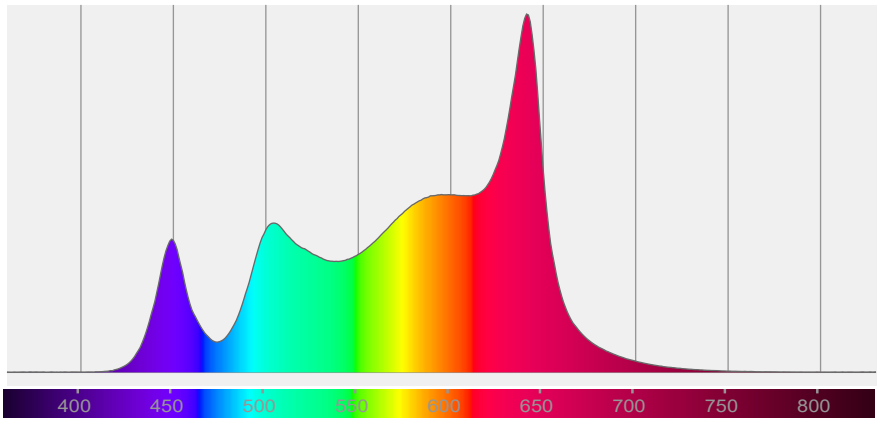
Operator:
Prolight R&D

Date and time:
8/29/2026 2:50:16 PM

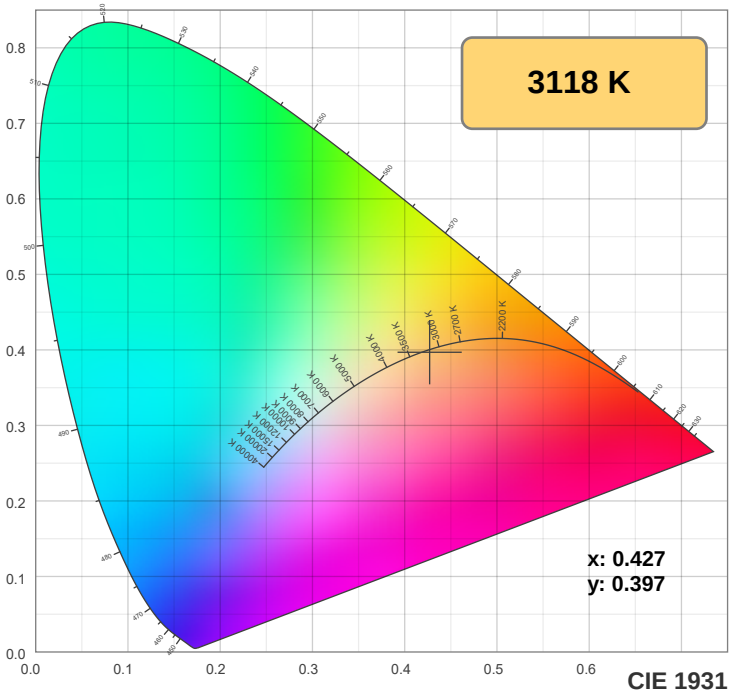


Beam angle 50%: 27.2°
Field angle 10%: 38.9°
Cut off angle 2.5%: 48.5°

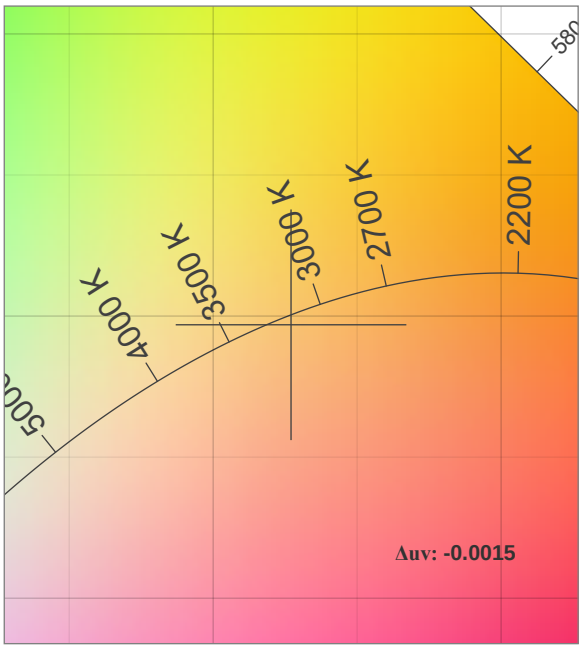
Spectra



COLOR DETAILS

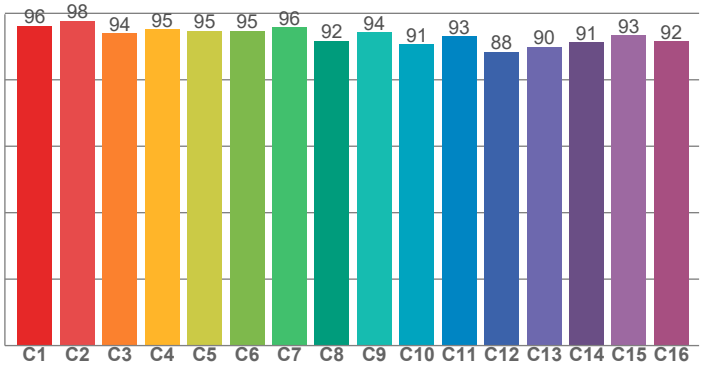


CIE 1931

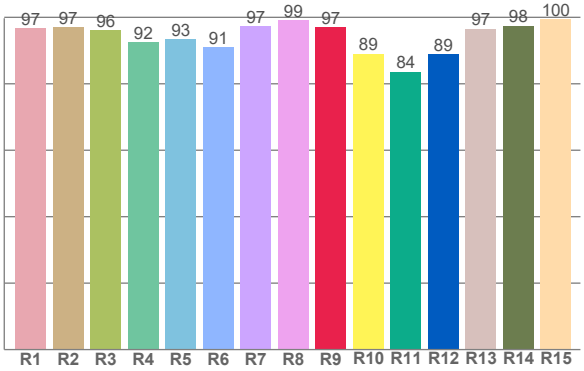


CIE 1931 ZOOM

TM30: 93.8



CRI: 95.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	97.0	96.1	92.5	93.4	91.0	97.2	99.2	97.0	89.0	83.6	88.8	96.6	97.5	99.5

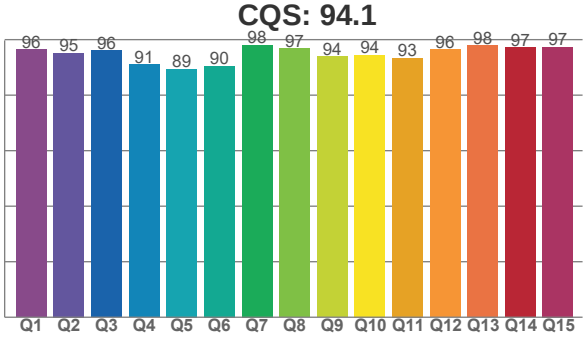
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.2	97.8	94.0	95.1	94.7	94.8	95.9	91.7	94.3	90.6	93.2	88.4	89.9	91.4	93.4	91.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.4	95.2	96.1	91.0	89.5	90.5	98.0	96.9	94.0	94.4	93.4	96.5	97.9	97.1	97.3

CQS: 94.1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3118 K	95.4	97.0	93.8	103.0	94.1	85	0.427	0.397	-0.0015

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TM30 DETAILS

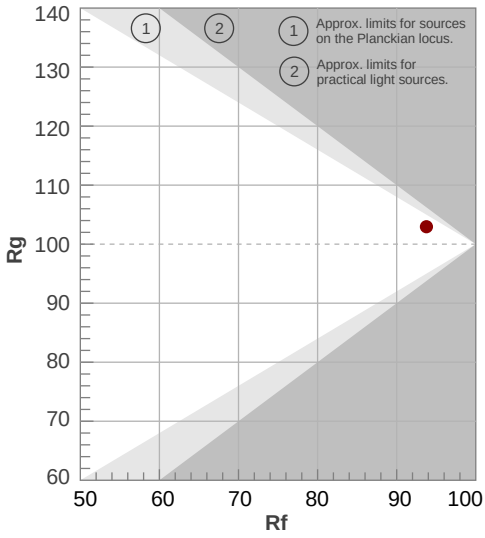
Rf 93.8

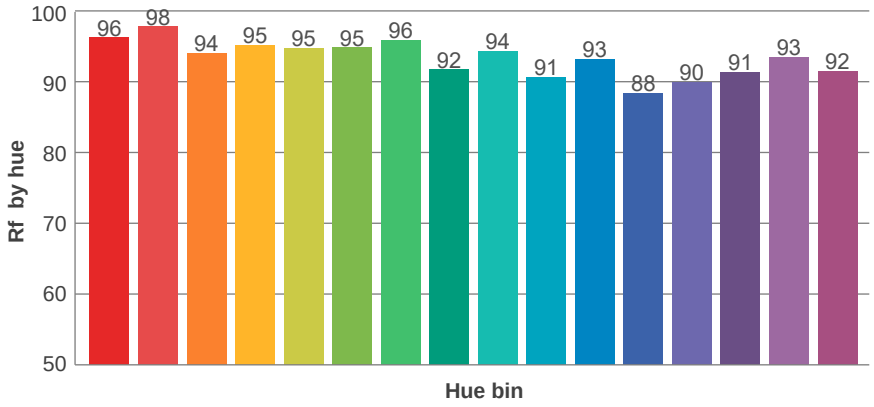
Fidelity index Rf

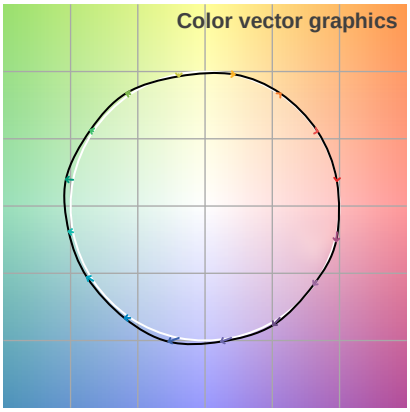
Rg 103.0

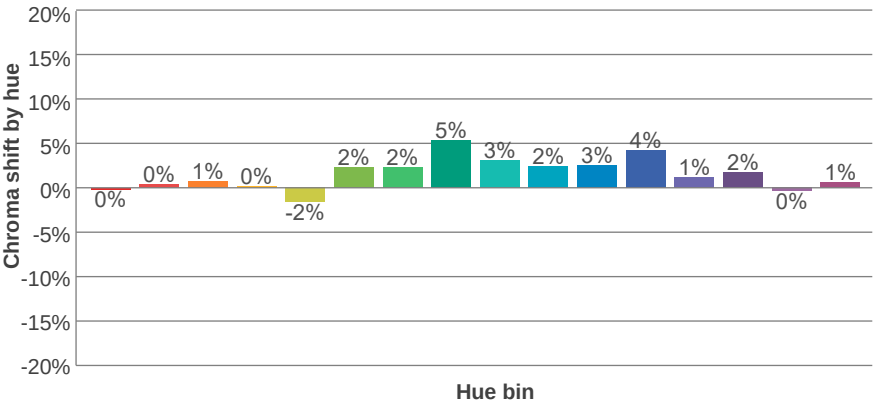
Gammut index Rg

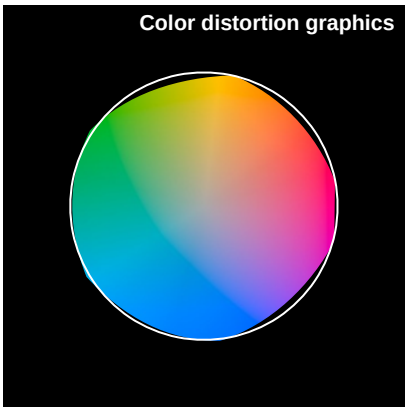
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	94	1%	0%
4	95	0%	-2%
5	95	-2%	0%
6	95	2%	2%
7	96	2%	0%
8	92	5%	1%
9	94	3%	-1%
10	91	2%	-5%
11	93	3%	-3%
12	88	4%	-7%
13	90	1%	-8%
14	91	2%	-7%
15	93	0%	-4%
16	92	1%	-7%

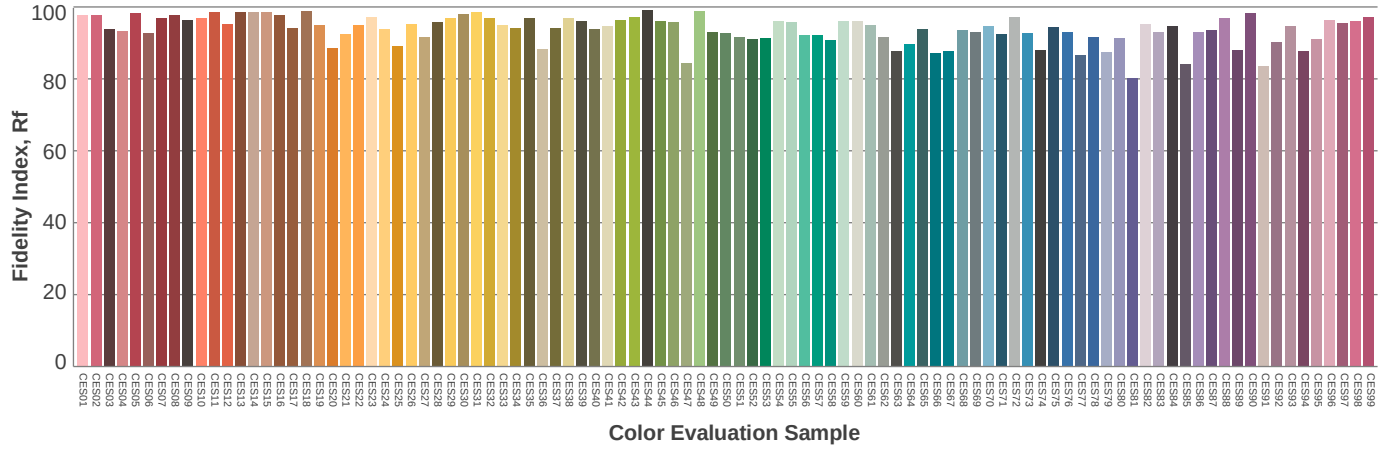












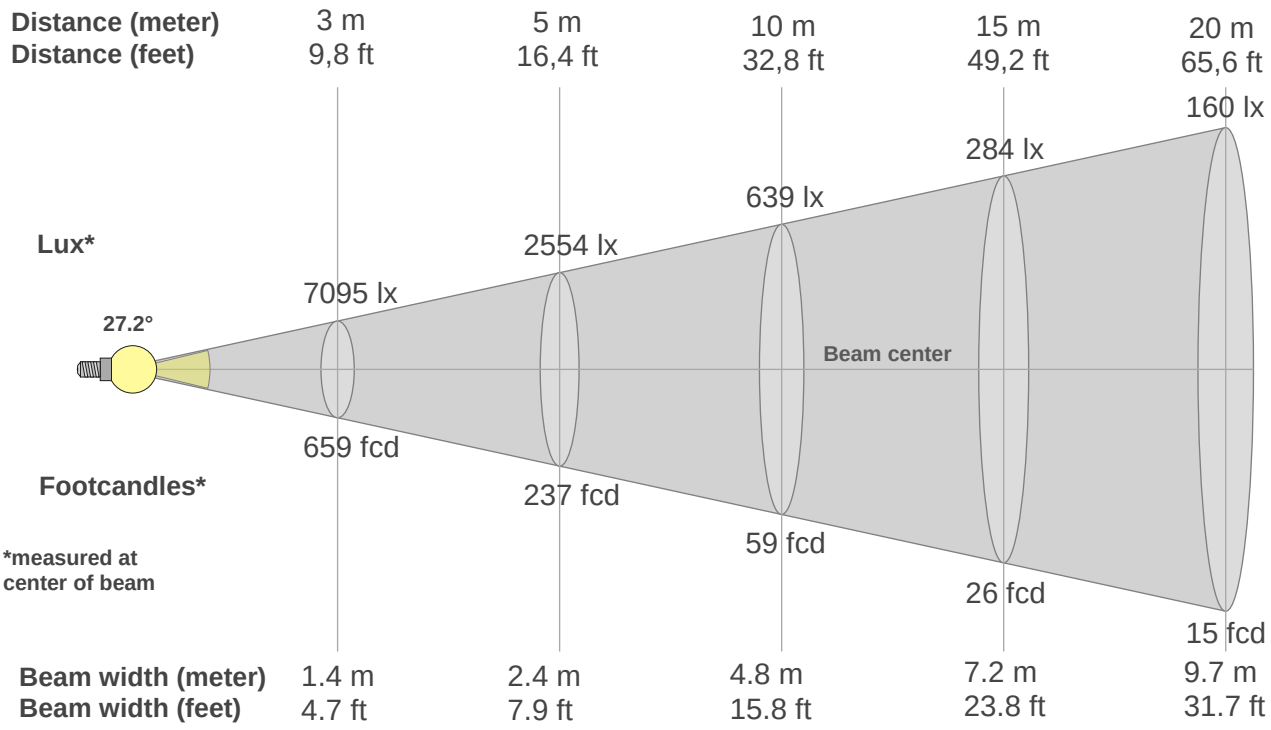
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BEAM DETAILS

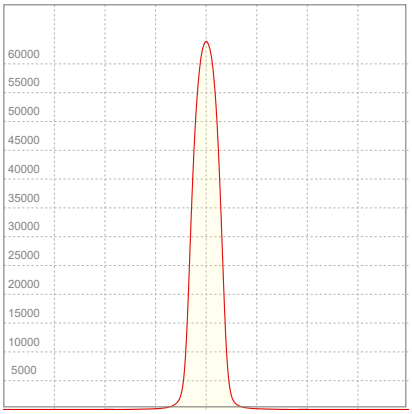
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	38.9°	48.5°	99.7%	98.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	63854lx	15964lx	7095lx	3991lx	2554lx	1135lx	639lx	284lx	160lx	102lx	71lx	40lx	26lx
Footcand.	5932fcd	1483fcd	659fcd	371fcd	237fcd	105fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.8ft	31.7ft	39.6ft	47.5ft	63.4ft	79.2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.30A	278.3W	0.95	47lm/W

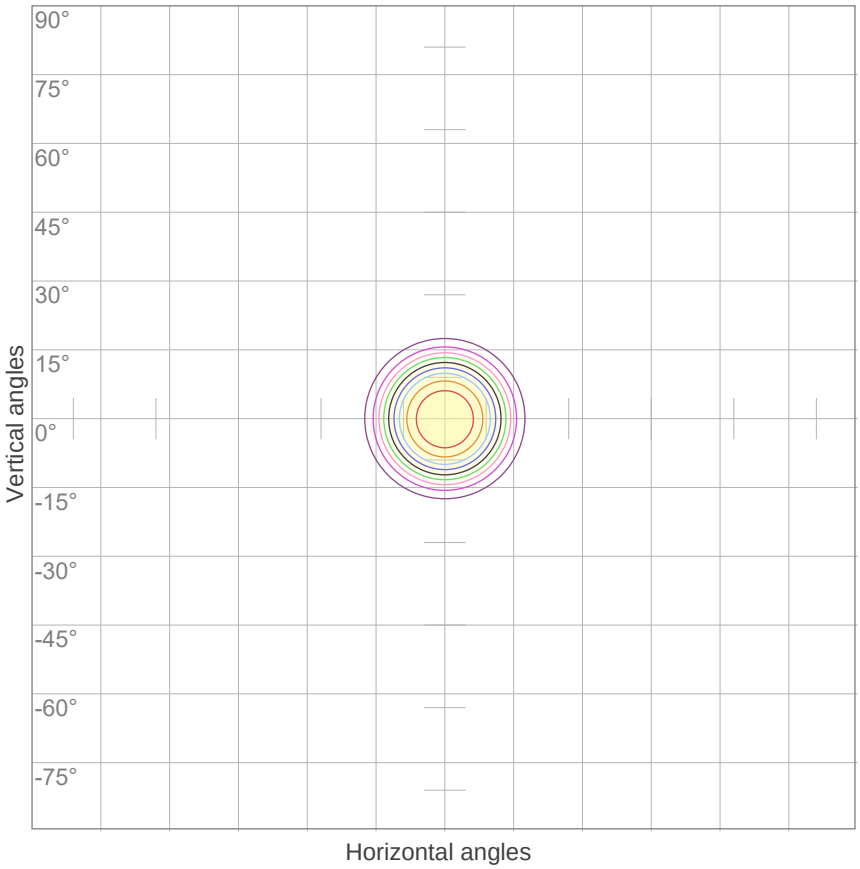
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



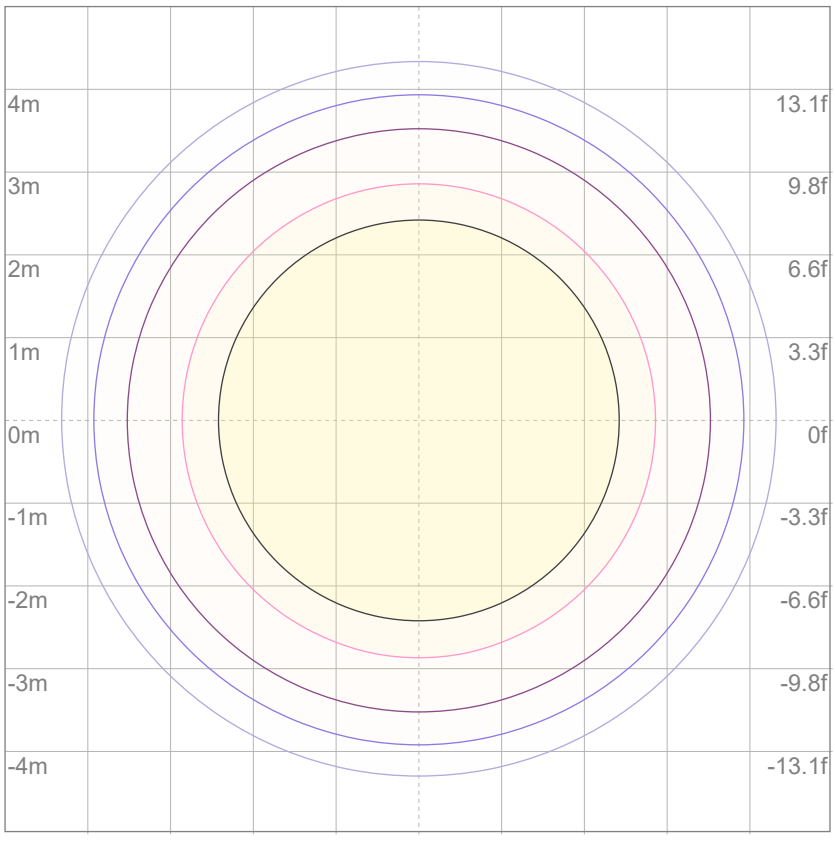
10%	6385 cd
20%	12771 cd
30%	19156 cd
40%	25542 cd
50%	31927 cd
60%	38313 cd
70%	44698 cd
80%	51083 cd
90%	57469 cd

Conditions:

Number of c-planes: 2

Candela at center: 63854 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	19.2 lx
5%	31.9 lx
10%	63.9 lx
30%	192 lx
50%	319 lx

Conditions:

Number of c-planes: 2

Lux at center: 639 lx

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

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Total lumen output:

9117 lm

Peak candela output:

172865 cd

Light quality:

CRI: 95.1

Color temperature:

3126 K

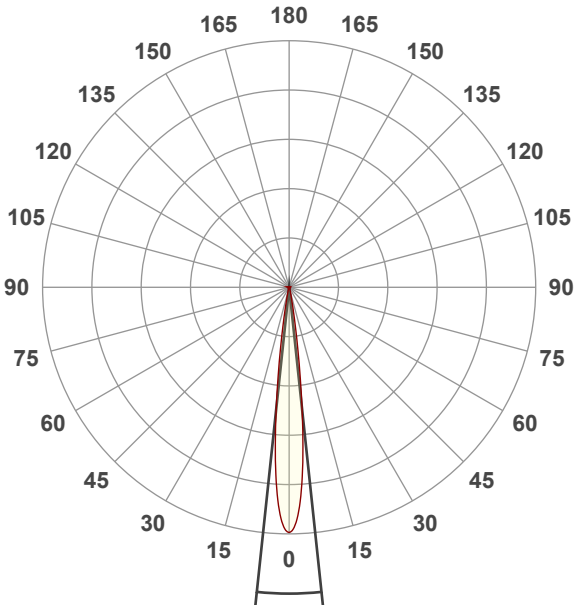
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
3200K

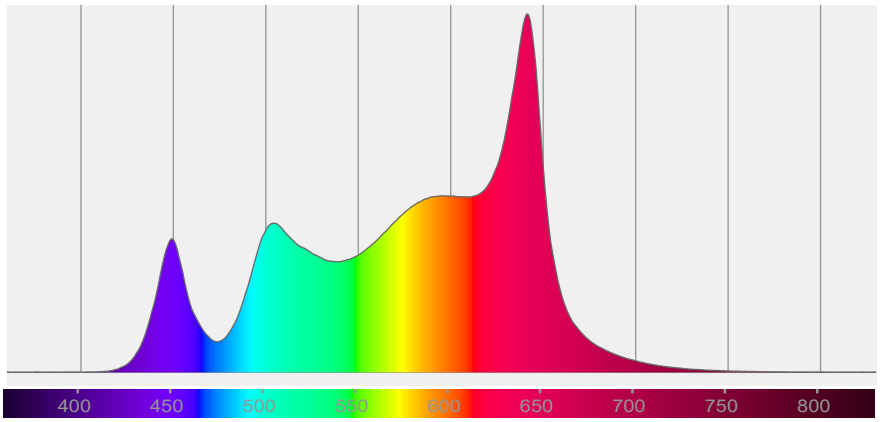
Operator:
Prolight R&D

Date and time:
8/29/2026 1:43:18 PM

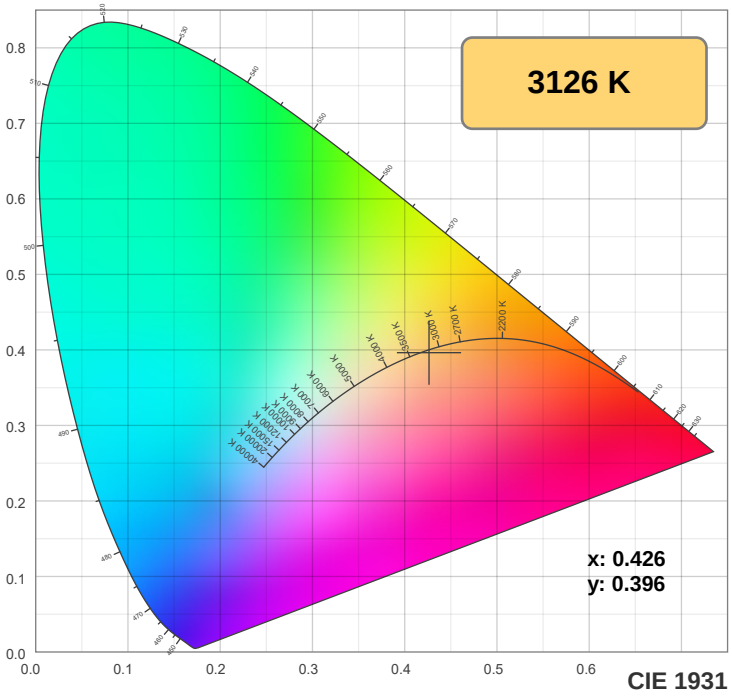


Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.6°

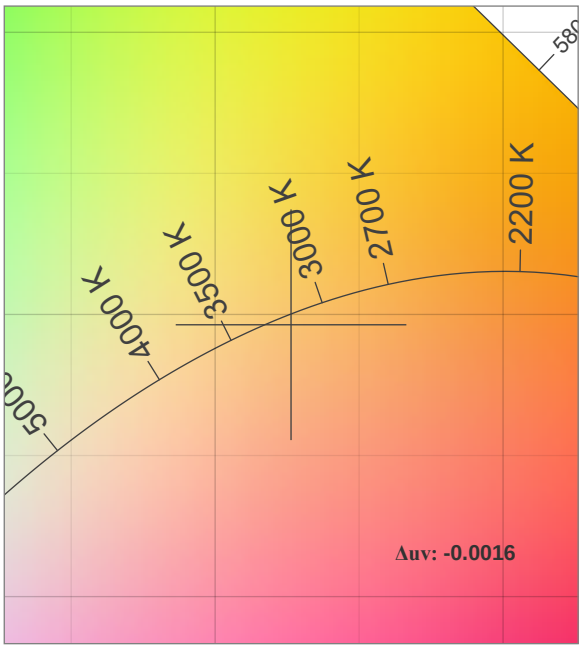
Spectra



COLOR DETAILS

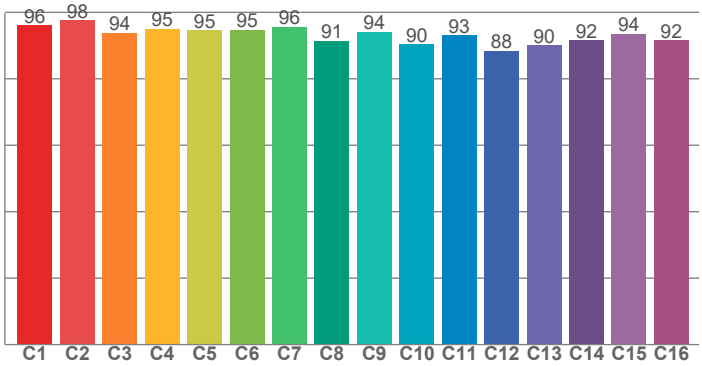


CIE 1931

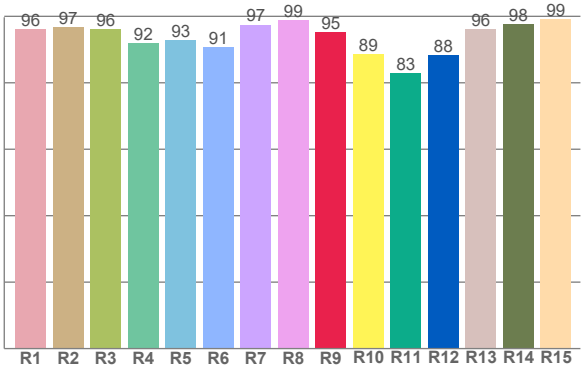


CIE 1931 ZOOM

TM30: 93.7



CRI: 95.1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.2	96.8	96.1	92.0	92.9	90.7	97.5	98.8	95.2	88.5	83.0	88.4	96.2	97.5	99.1

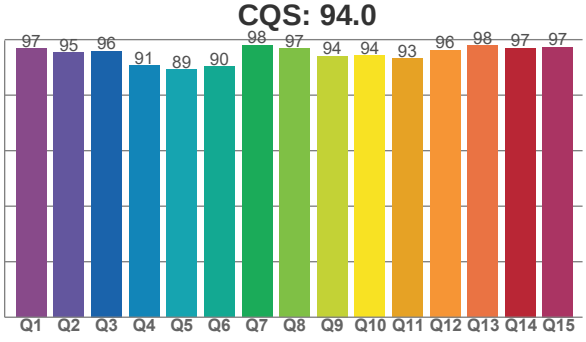
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.2	97.6	93.8	95.0	94.7	94.7	95.6	91.5	94.1	90.4	93.0	88.5	90.1	91.6	93.6	91.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.8	95.4	96.0	90.7	89.3	90.3	98.0	96.7	94.1	94.3	93.2	96.2	98.0	97.0	97.4

CQS: 94.0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3126 K	95.1	95.2	93.7	103.1	94.0	85	0.426	0.396	-0.0016

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TM30 DETAILS

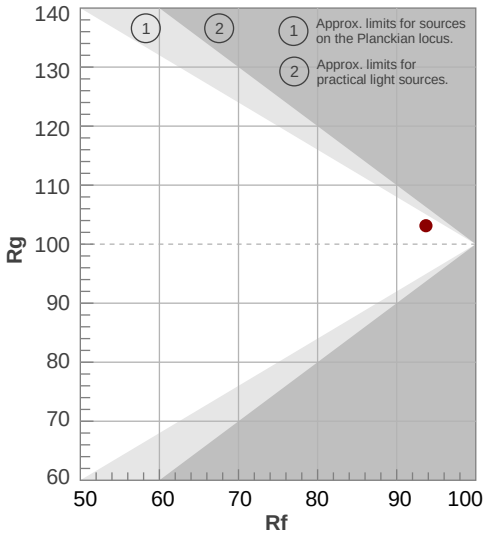
Rf 93.7

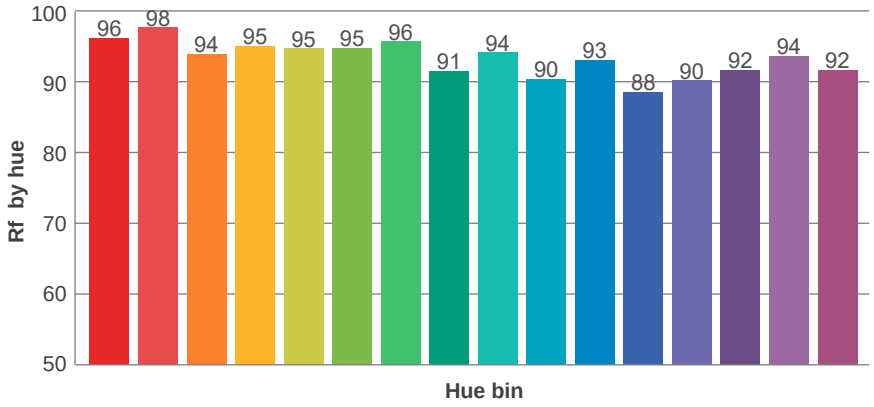
Fidelity index Rf

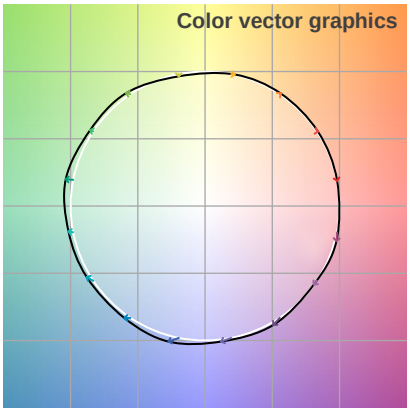
Rg 103.1

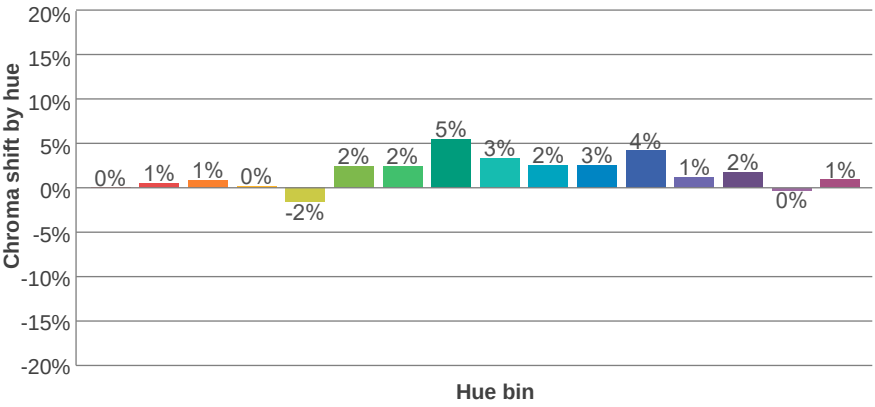
Gammut index Rg

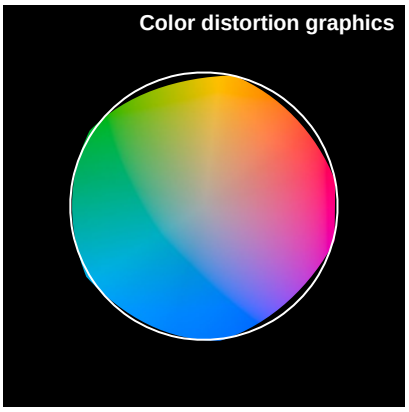
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	98	1%	-1%
3	94	1%	0%
4	95	0%	-2%
5	95	-2%	0%
6	95	2%	2%
7	96	2%	1%
8	91	5%	1%
9	94	3%	-1%
10	90	2%	-5%
11	93	3%	-3%
12	88	4%	-7%
13	90	1%	-8%
14	92	2%	-7%
15	94	0%	-4%
16	92	1%	-7%

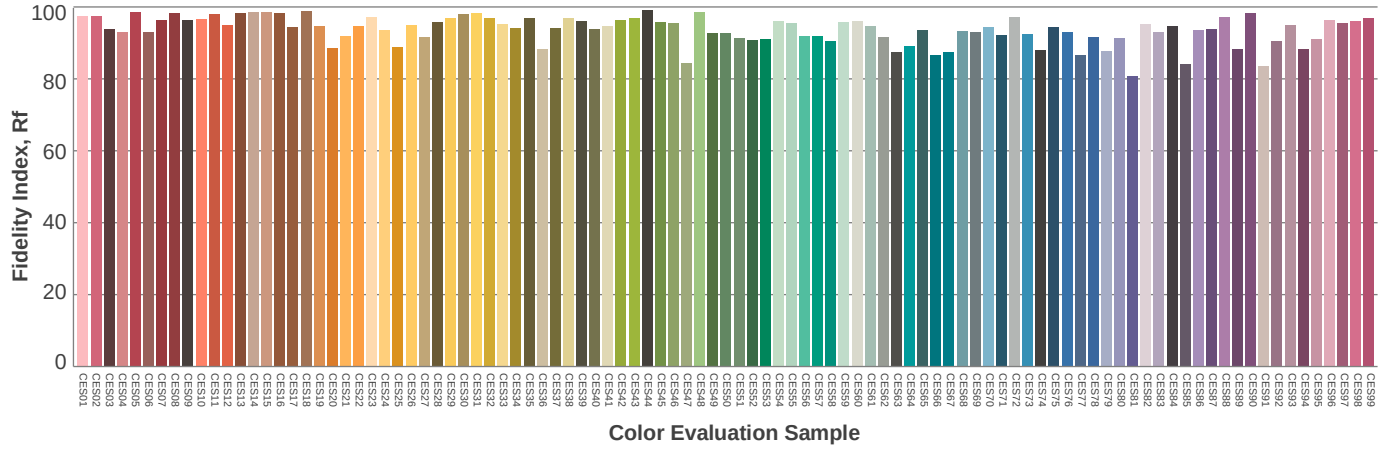












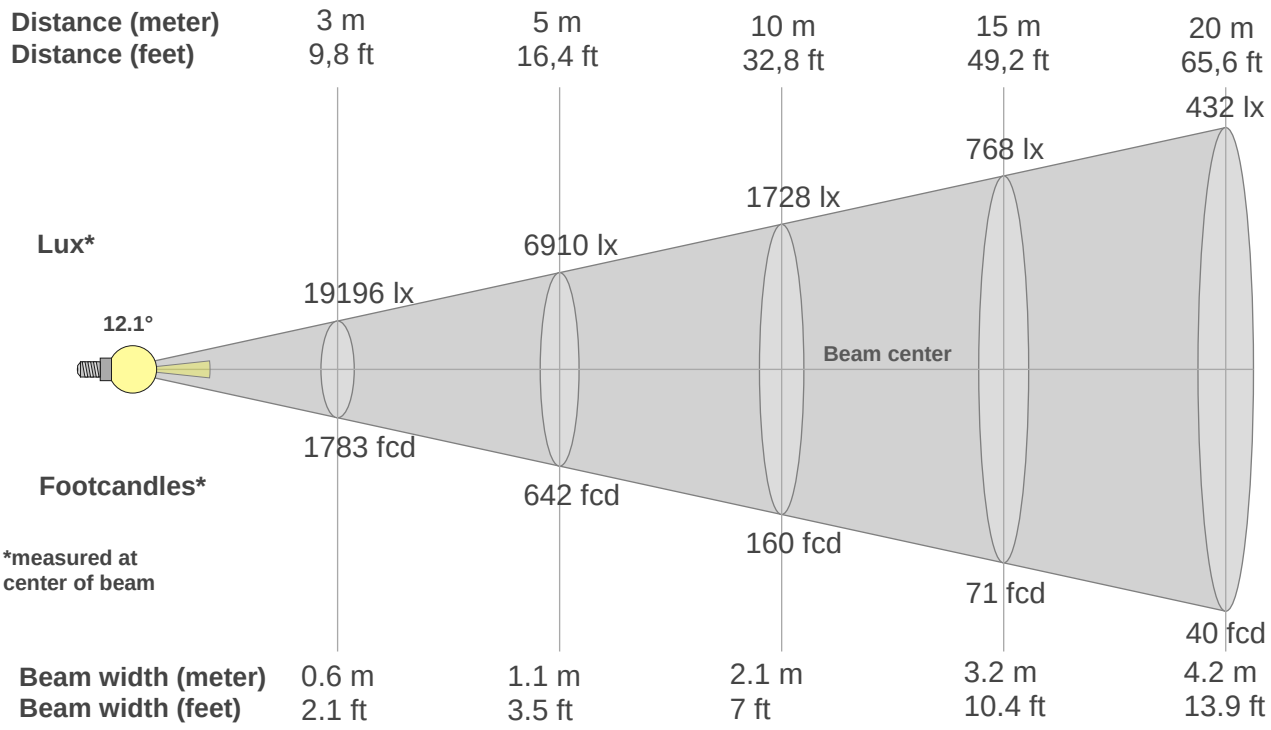
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BEAM DETAILS

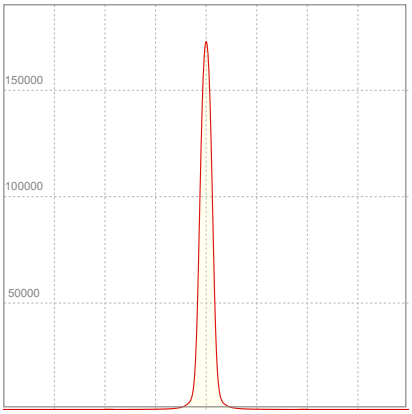
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.6°	99.3%	98.1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	172761lx	43190lx	19196lx	10798lx	6910lx	3071lx	1728lx	768lx	432lx	276lx	192lx	108lx	69lx
Footcand.	16050fcd	4012fcd	1783fcd	1003fcd	642fcd	285fcd	160fcd	71fcd	40fcd	26fcd	18fcd	10fcd	6fcd
Beam wid.	0.2m	0.4m	0.6m	0.8m	1.1m	1.6m	2.1m	3.2m	4.2m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.4ft	13.9ft	17.4ft	20.9ft	27.9ft	34.8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1.31A	277.8W	0.95	33lm/W

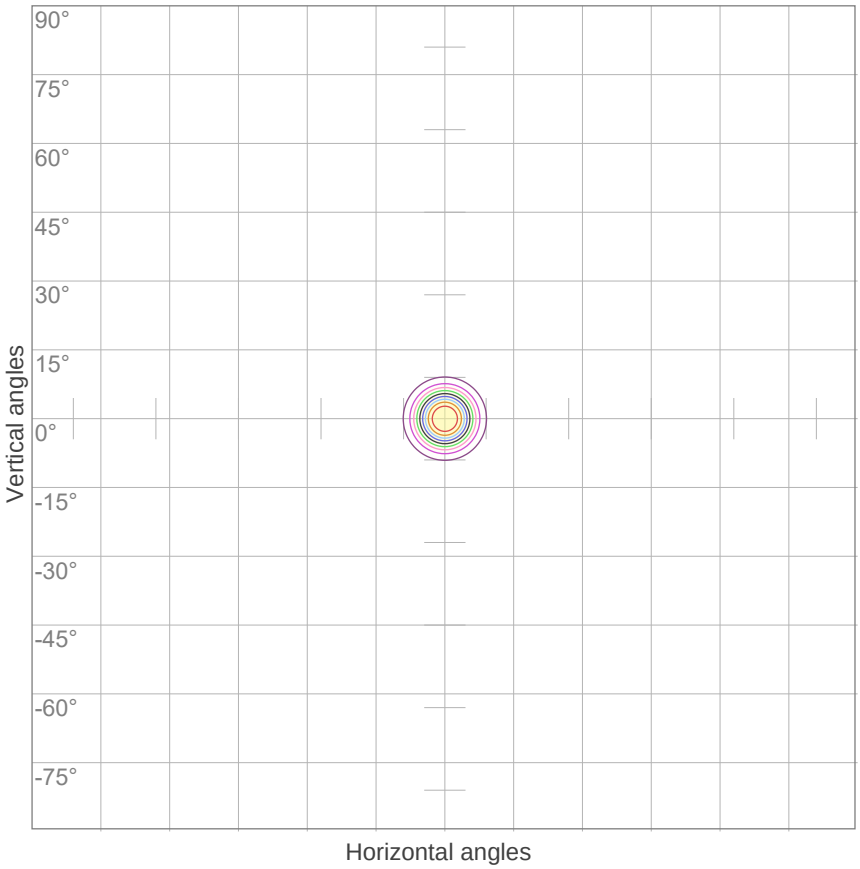
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



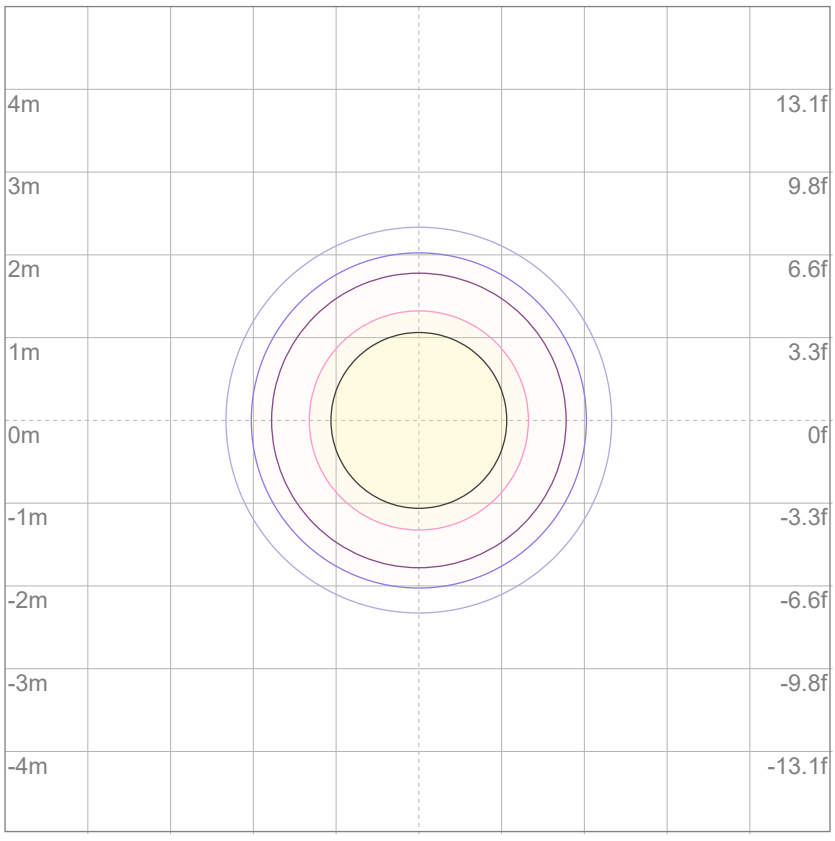
10%	17276 cd
20%	34552 cd
30%	51828 cd
40%	69104 cd
50%	86380 cd
60%	103656 cd
70%	120933 cd
80%	138209 cd
90%	155485 cd

Conditions:

Number of c-planes: 2

Candela at center: 172761 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	51.8 lx
5%	86.4 lx
10%	173 lx
30%	518 lx
50%	864 lx

Conditions:

Number of c-planes: 2

Lux at center: 1728 lx

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



Total lumen output:

16581 lm

Peak candela output:

22771 cd

Light quality:

CRI: 96.8

Color temperature:

3907 K

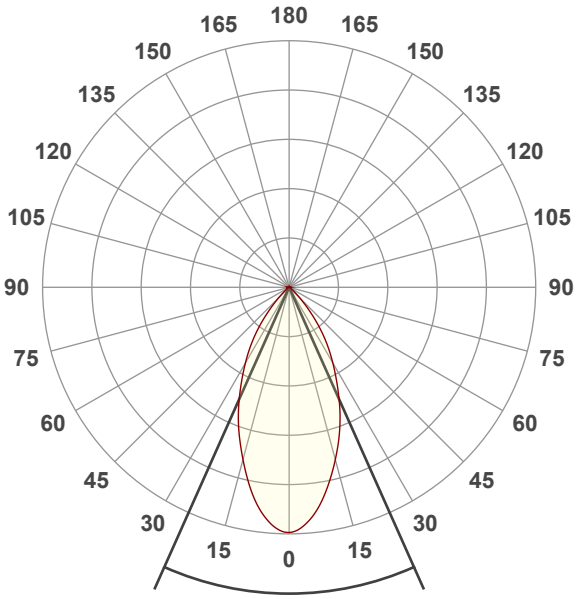
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
4000K

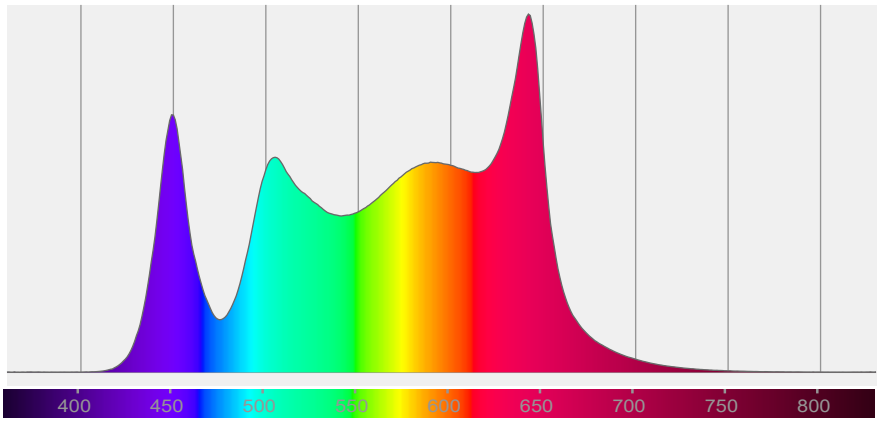
Operator:
Prolight R&D

Date and time:
8/29/2026 3:31:45 PM



Beam angle 50%: 48.1°
Field angle 10%: 84.6°
Cut off angle 2.5%: 99.2°

Spectra

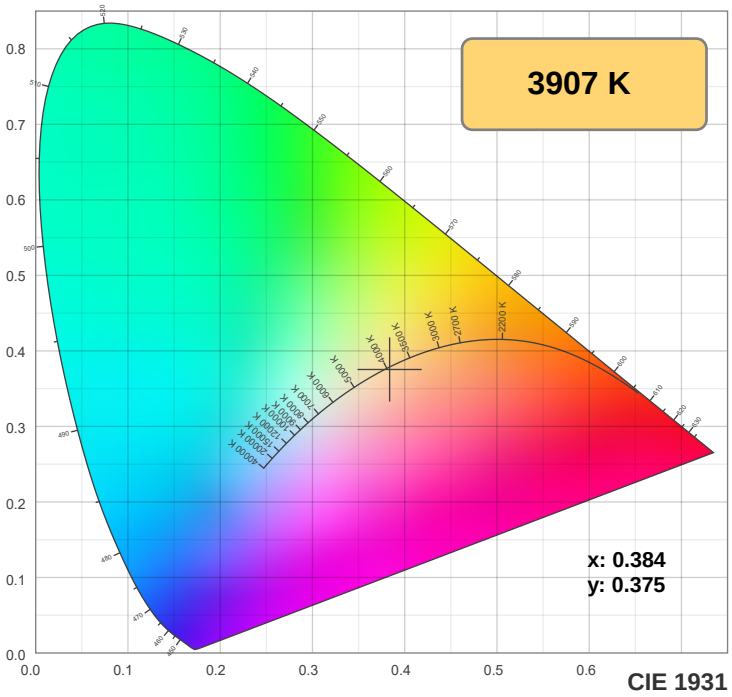


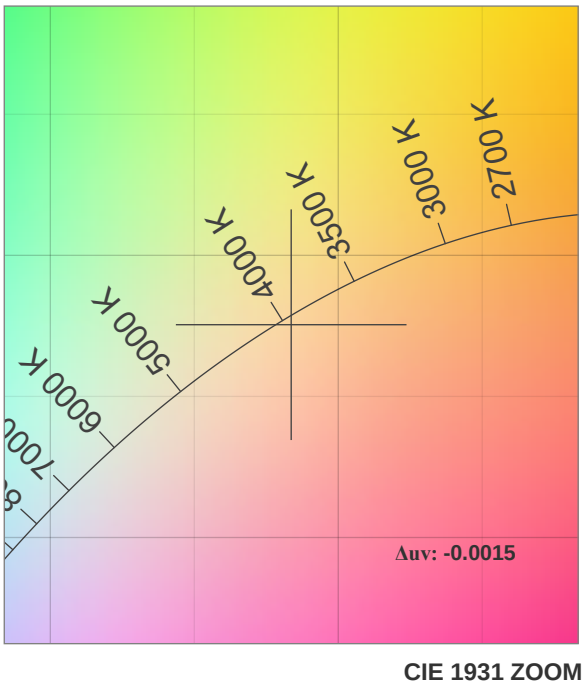
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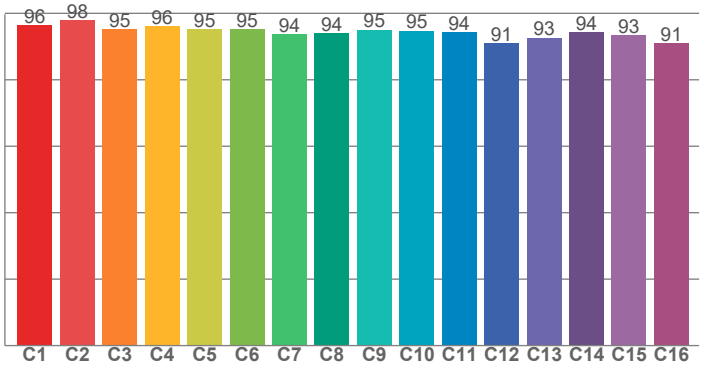
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COLOR DETAILS

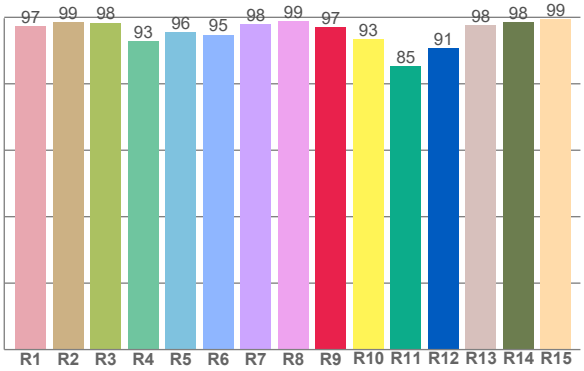




TM30: 94.6



CRI: 96.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.4	98.6	98.4	92.9	95.5	94.8	97.9	98.9	97.1	93.4	85.4	90.8	97.6	98.5	99.4

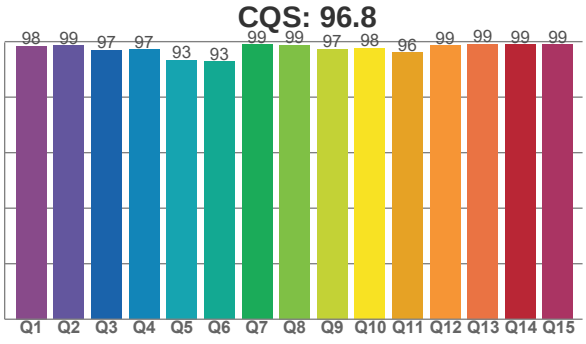
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.4	97.9	95.2	96.2	95.1	95.2	93.7	93.9	95.0	94.8	94.3	91.0	92.7	94.3	93.4	91.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.4	98.6	96.9	97.1	93.5	92.8	99.0	98.8	97.3	97.7	96.1	98.6	99.2	98.9	98.9

CQS: 96.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3907 K	96.8	97.1	94.6	103.3	96.8	88	0.384	0.375	-0.0015

TM30 DETAILS

PROLiGHTS

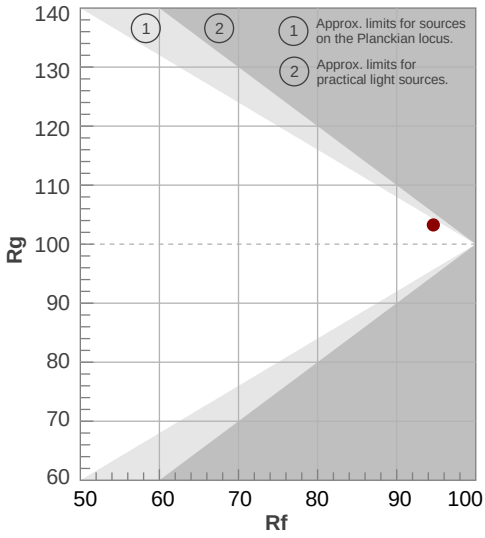
Rf 94.6

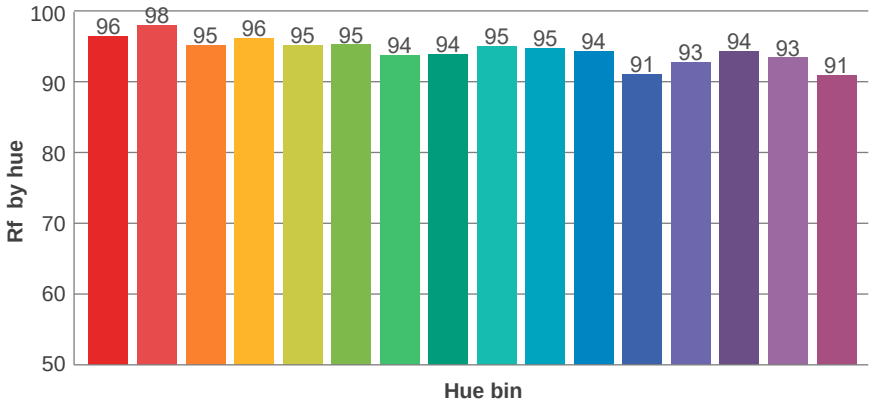
Fidelity index Rf

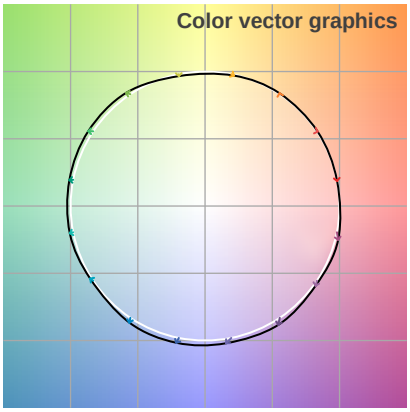
Rg 103.3

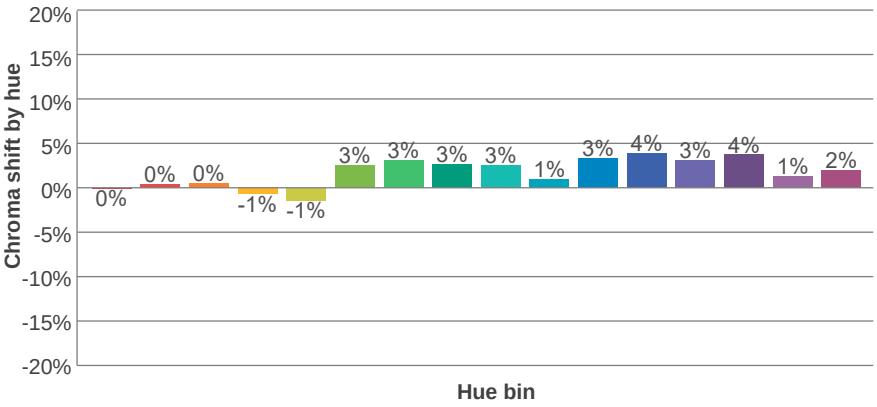
Gammut index Rg

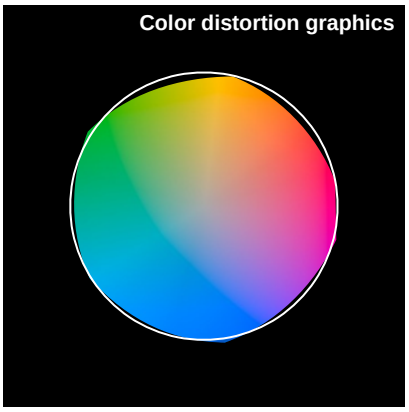
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	95	0%	1%
4	96	-1%	-2%
5	95	-1%	0%
6	95	3%	2%
7	94	3%	2%
8	94	3%	1%
9	95	3%	0%
10	95	1%	-3%
11	94	3%	1%
12	91	4%	-1%
13	93	3%	-4%
14	94	4%	-4%
15	93	1%	-4%
16	91	2%	-5%

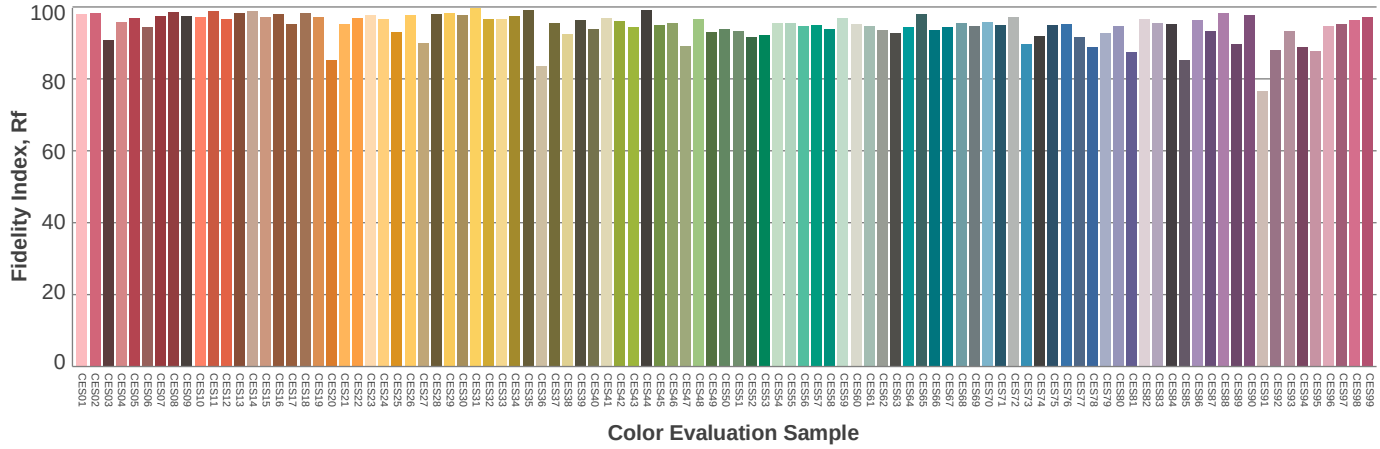












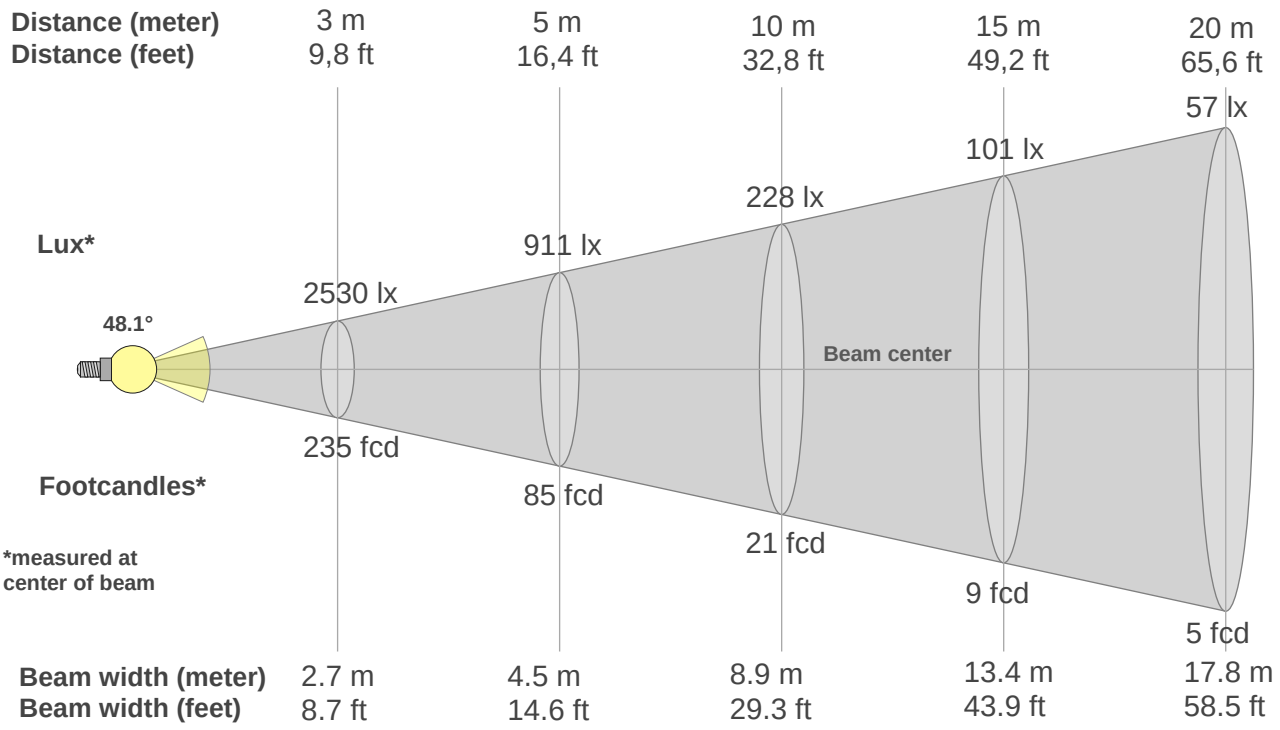
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BEAM DETAILS

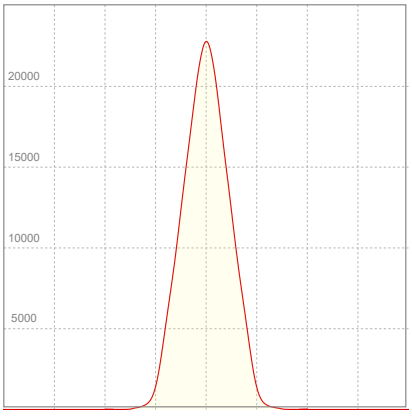
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.6°	99.2°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22771lx	5693lx	2530lx	1423lx	911lx	405lx	228lx	101lx	57lx	36lx	25lx	14lx	9lx
Footcand.	2115fcd	529fcd	235fcd	132fcd	85fcd	38fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.8m	22.3m	26.8m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	22ft	29.3ft	43.9ft	58.5ft	73.2ft	87.8ft	117.1ft	146.4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1.48A	321.9W	0.96	52lm/W

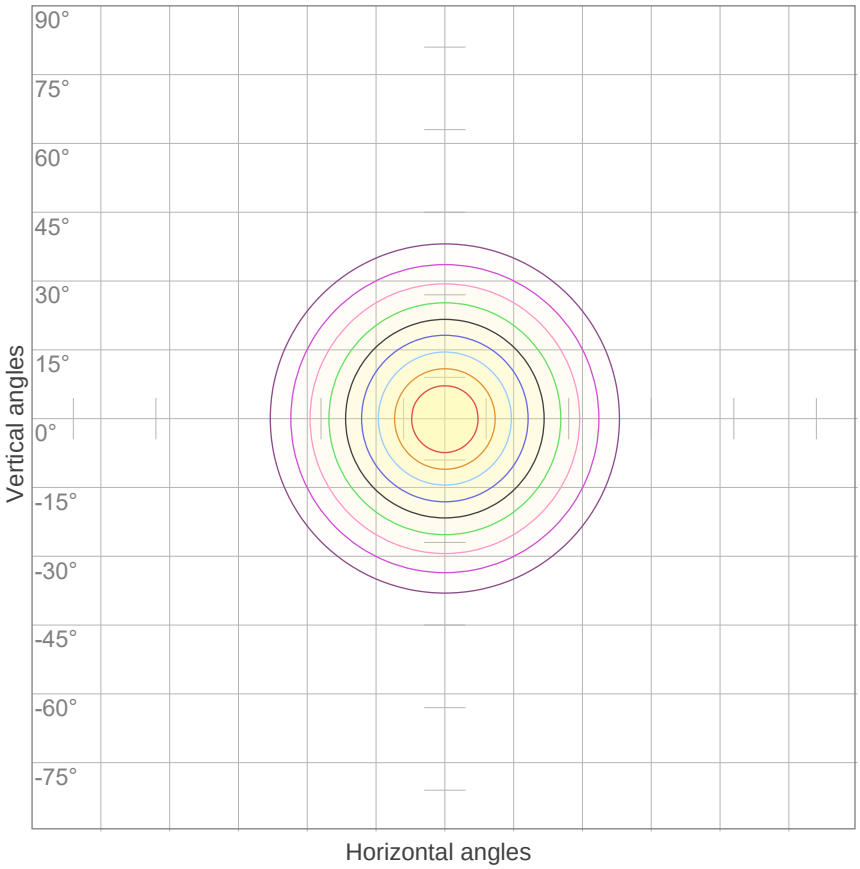
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



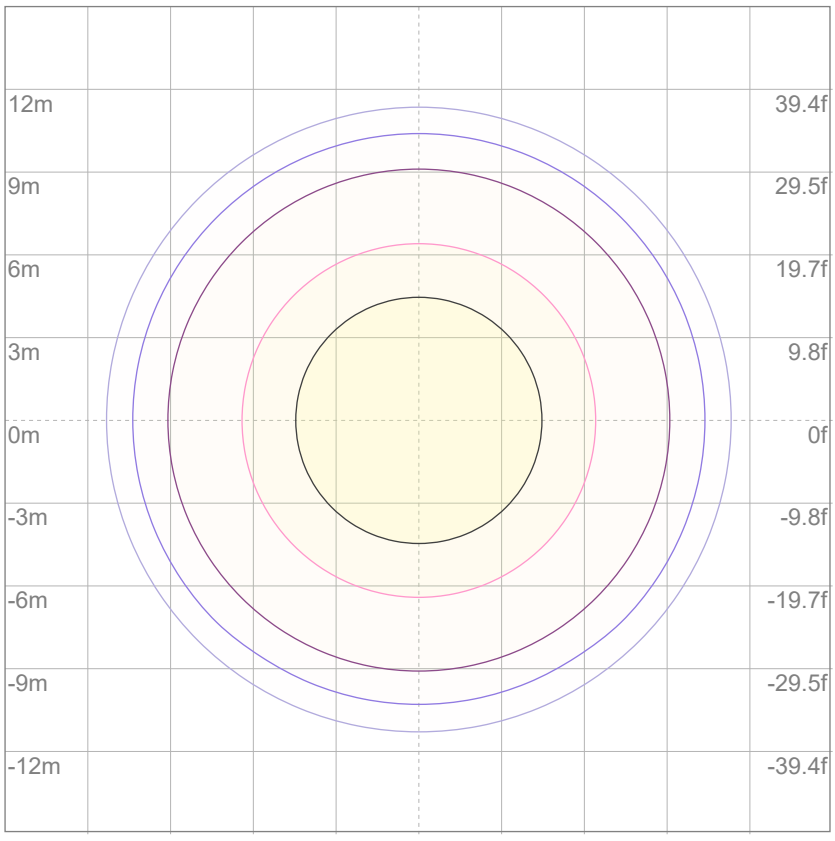
10%	2277 cd
20%	4554 cd
30%	6831 cd
40%	9108 cd
50%	11386 cd
60%	13663 cd
70%	15940 cd
80%	18217 cd
90%	20494 cd

Conditions:

Number of c-planes: 2

Candela at center: 22771 cd

ISO LUX DIAGRAM



3%	6.83 lx
5%	11.4 lx
10%	22.8 lx
30%	68.3 lx
50%	114 lx

Conditions:

Number of c-planes: 2

Lux at center: 228 lx

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

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Total lumen output:

15323 lm

Peak candela output:

75049 cd

Light quality:

CRI: 96.8

Color temperature:

3908 K

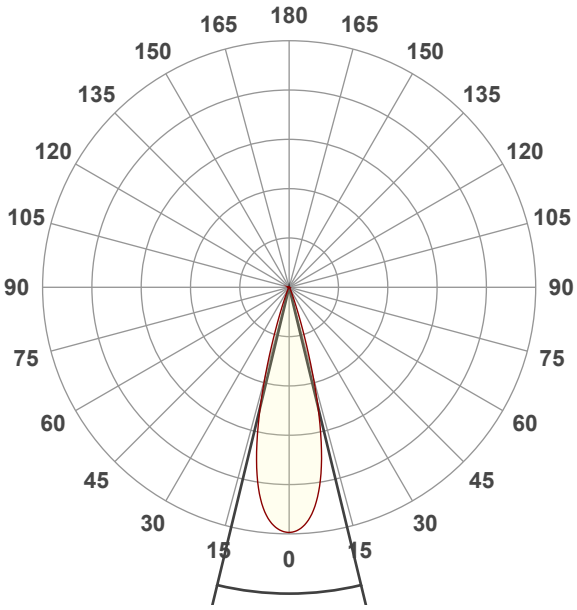
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
4000K

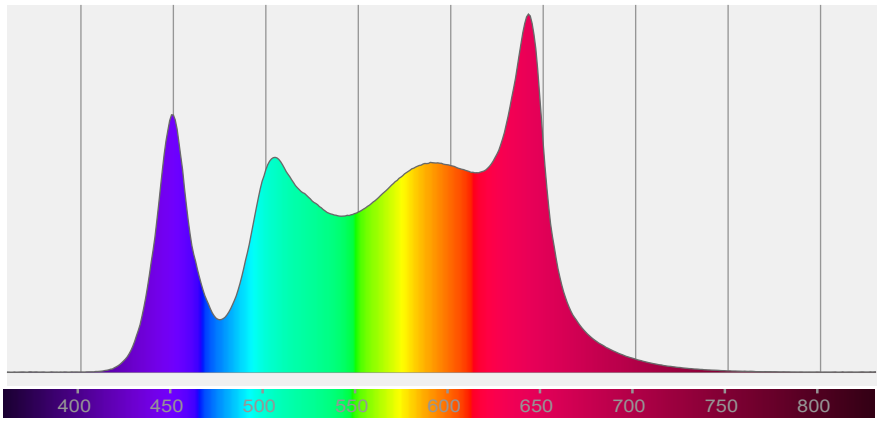
Operator:
Prolight R&D

Date and time:
8/29/2026 2:54:15 PM



Beam angle 50%: 27.2°
Field angle 10%: 39°
Cut off angle 2.5%: 48.6°

Spectra

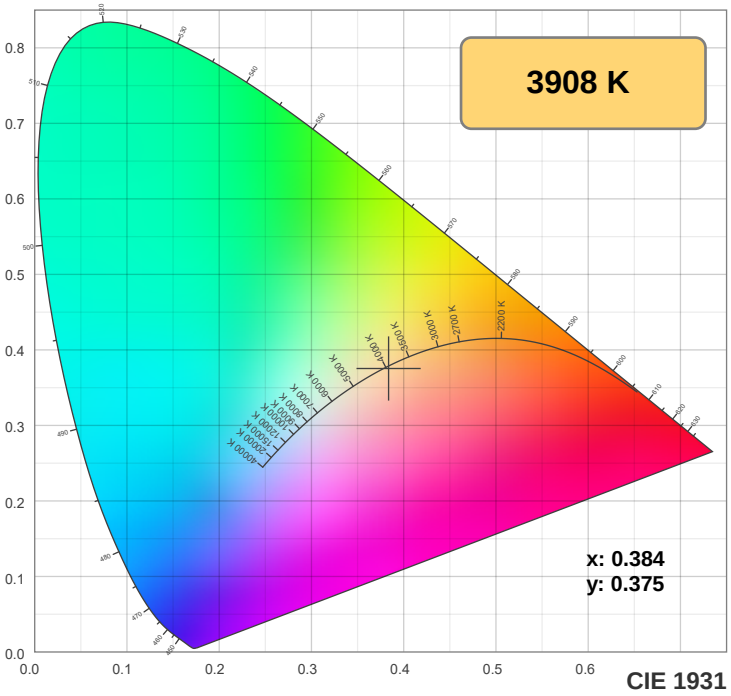


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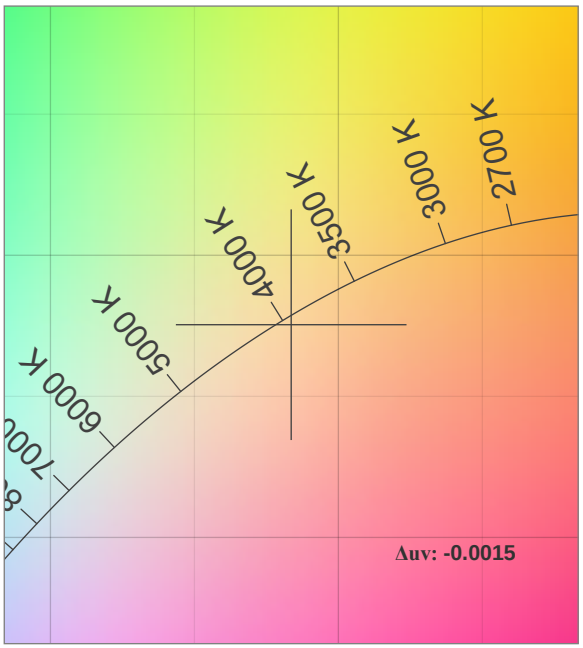
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COLOR DETAILS

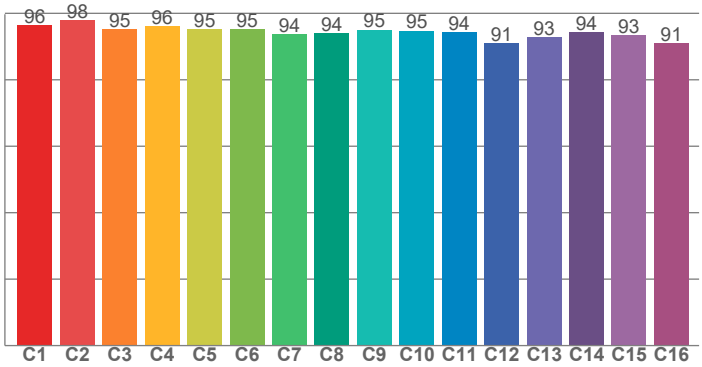


CIE 1931

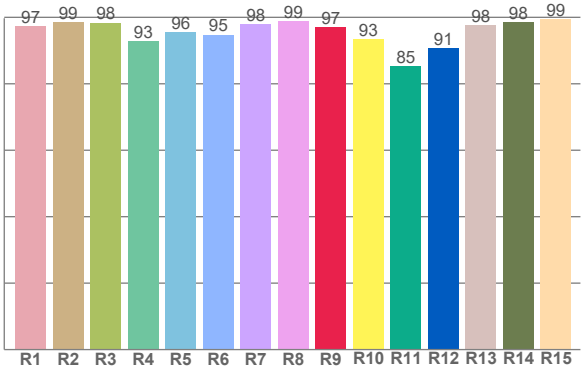


CIE 1931 ZOOM

TM30: 94.6



CRI: 96.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.4	98.6	98.4	92.9	95.5	94.7	97.9	98.9	97.1	93.4	85.4	90.8	97.6	98.5	99.4

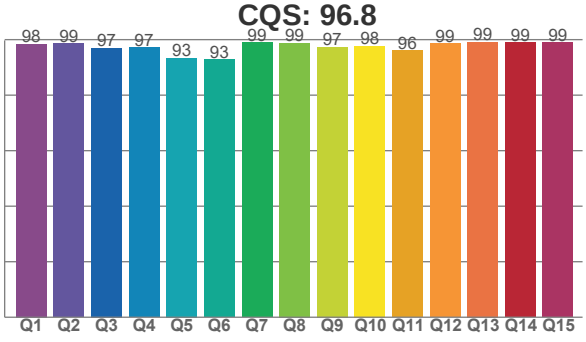
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.4	97.9	95.2	96.1	95.1	95.2	93.7	93.9	95.0	94.7	94.3	91.0	92.7	94.3	93.4	91.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.4	98.6	96.9	97.1	93.4	92.8	99.0	98.8	97.3	97.7	96.0	98.6	99.2	98.9	98.9

CQS: 96.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3908 K	96.8	97.1	94.6	103.3	96.8	88	0.384	0.375	-0.0015

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TM30 DETAILS

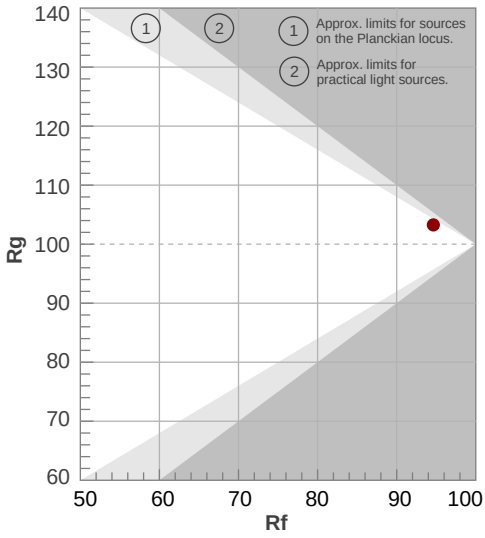
Rf 94.6

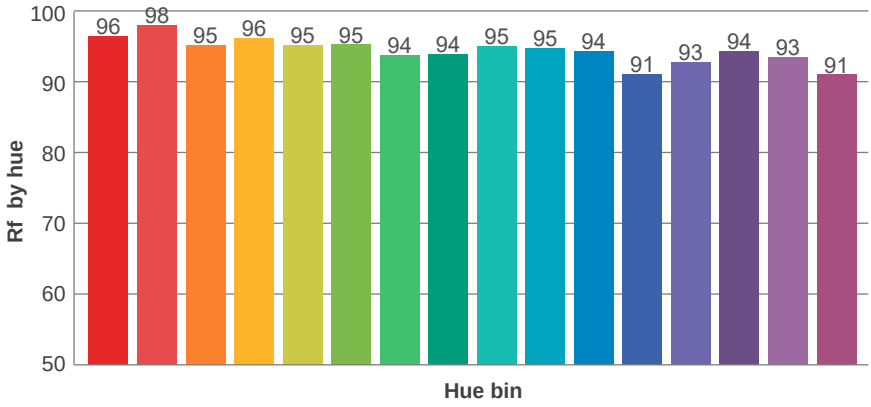
Fidelity index Rf

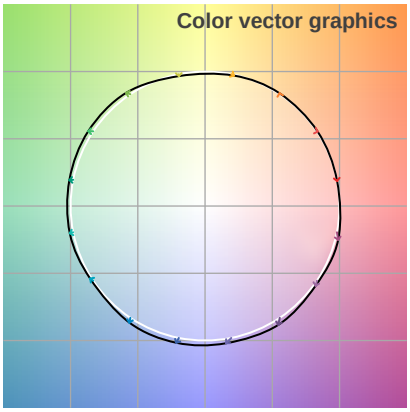
Rg 103.3

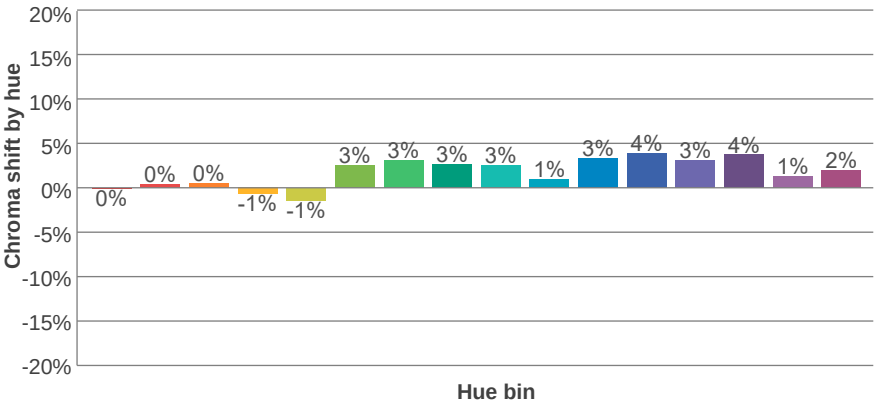
Gammut index Rg

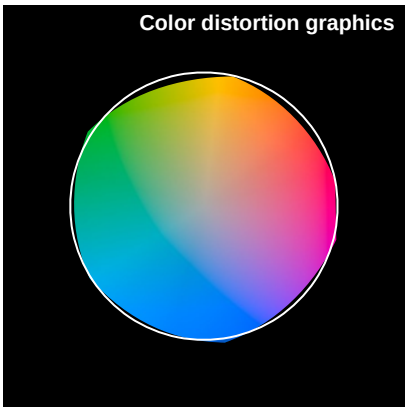
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	95	0%	1%
4	96	-1%	-2%
5	95	-1%	0%
6	95	3%	2%
7	94	3%	2%
8	94	3%	1%
9	95	3%	0%
10	95	1%	-3%
11	94	3%	1%
12	91	4%	-1%
13	93	3%	-4%
14	94	4%	-4%
15	93	1%	-4%
16	91	2%	-5%

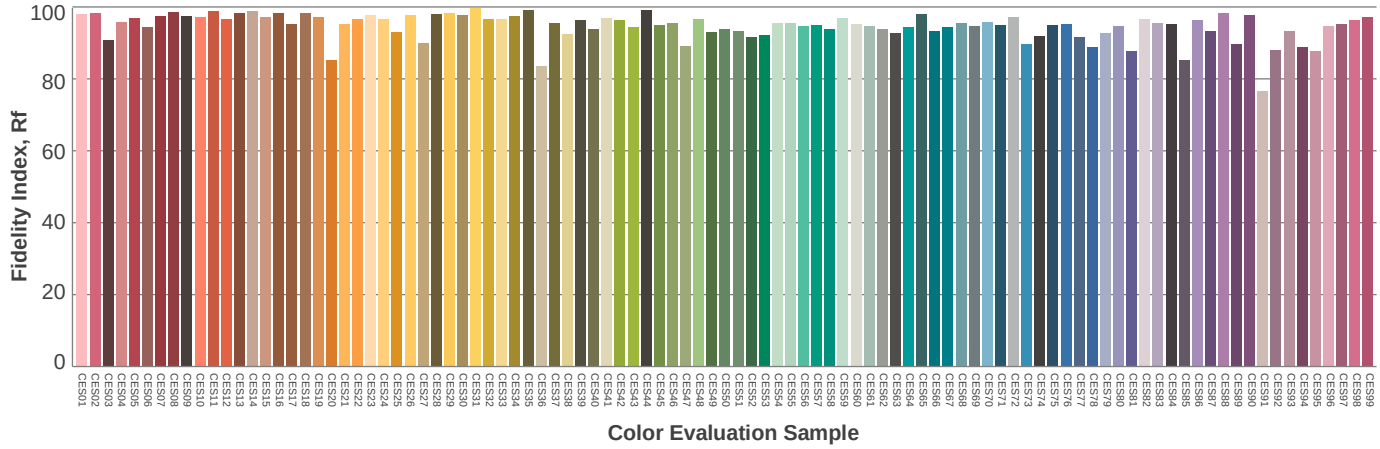












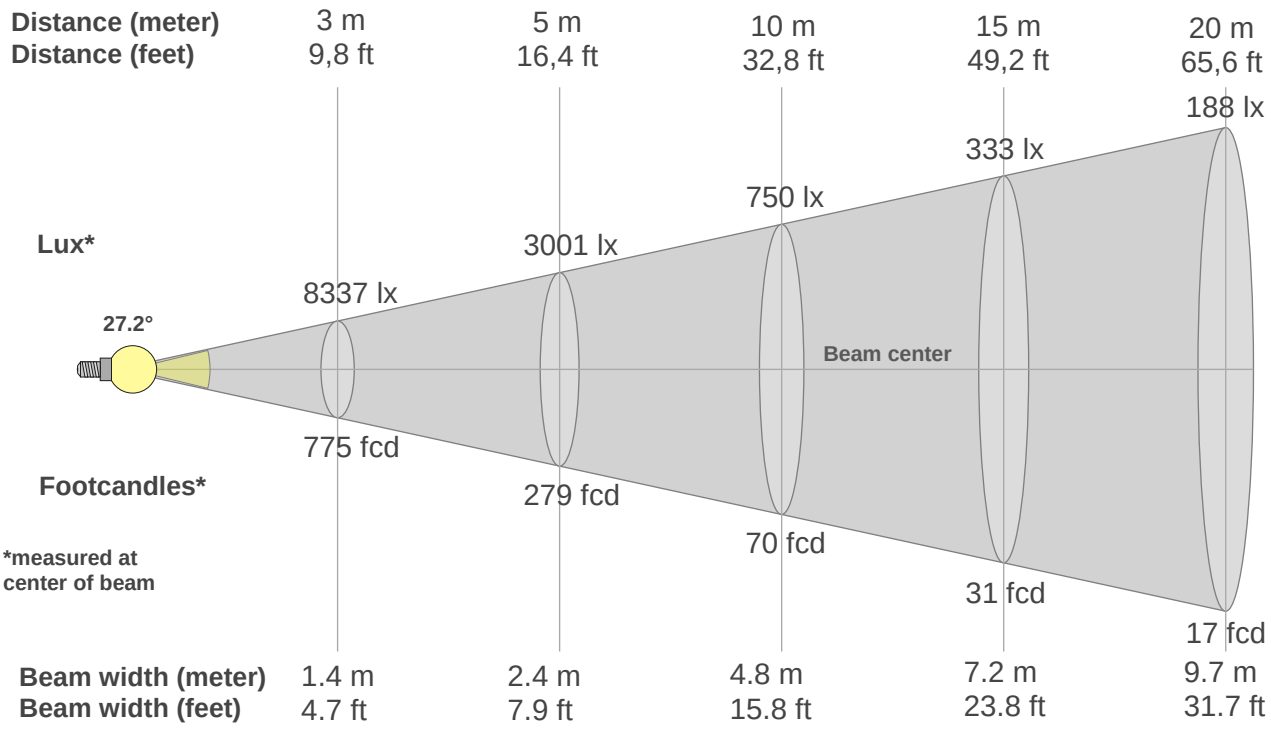
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BEAM DETAILS

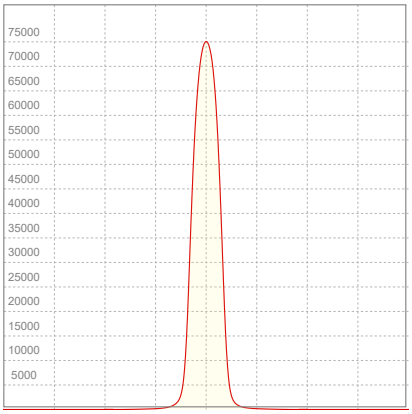
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	39°	48.6°	99.7%	98.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	75035lx	18759lx	8337lx	4690lx	3001lx	1334lx	750lx	333lx	188lx	120lx	83lx	47lx	30lx
Footcand.	6971fcd	1743fcd	775fcd	436fcd	279fcd	124fcd	70fcd	31fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0.5m	1m	1.4m	1.9m	2.4m	3.6m	4.8m	7.2m	9.7m	12.1m	14.5m	19.3m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.8ft	23.8ft	31.7ft	39.6ft	47.5ft	63.4ft	79.2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.49A	322.3W	0.96	48lm/W

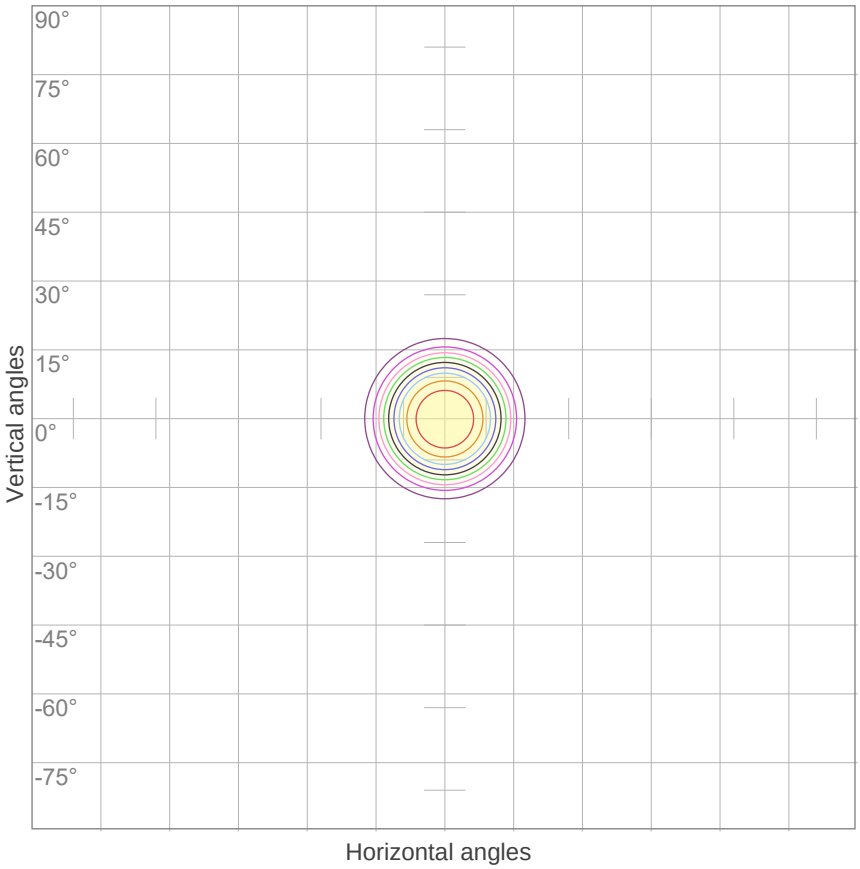
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



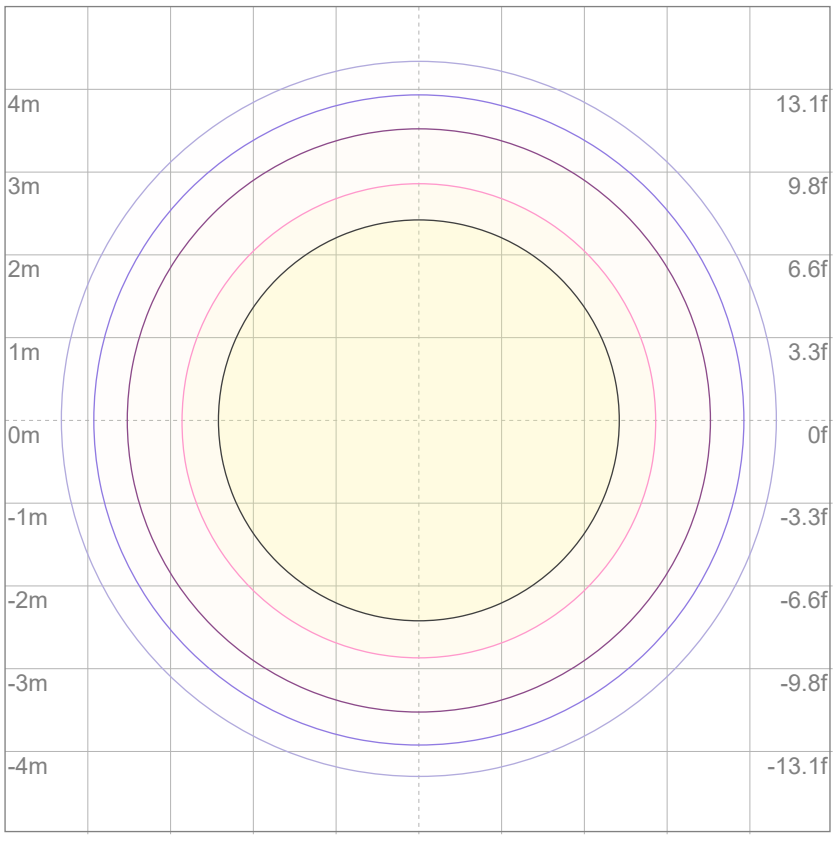
10%	7503 cd
20%	15007 cd
30%	22510 cd
40%	30014 cd
50%	37517 cd
60%	45021 cd
70%	52524 cd
80%	60028 cd
90%	67531 cd

Conditions:

Number of c-planes: 2

Candela at center: 75035 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	22.5 lx
5%	37.5 lx
10%	75.0 lx
30%	225 lx
50%	375 lx

Conditions:

Number of c-planes: 2

Lux at center: 750 lx

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

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Total lumen output:

10700 lm

Peak candela output:

203557 cd

Light quality:

CRI: 96.5

Color temperature:

3922 K

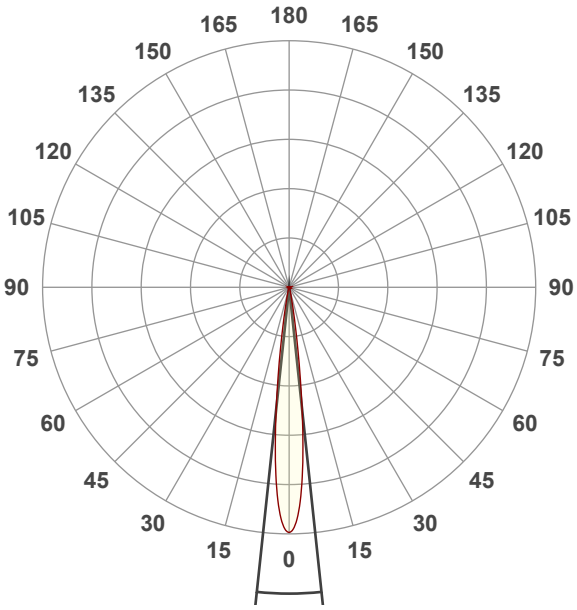
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
4000K

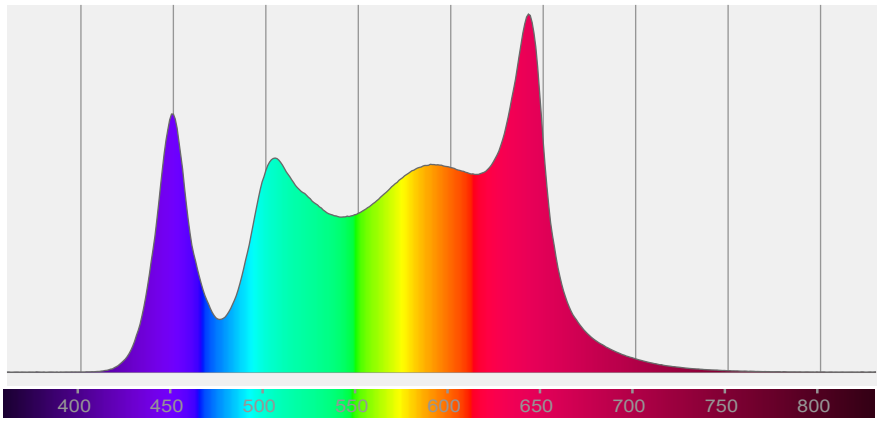
Operator:
Prolight R&D

Date and time:
8/29/2026 1:46:56 PM

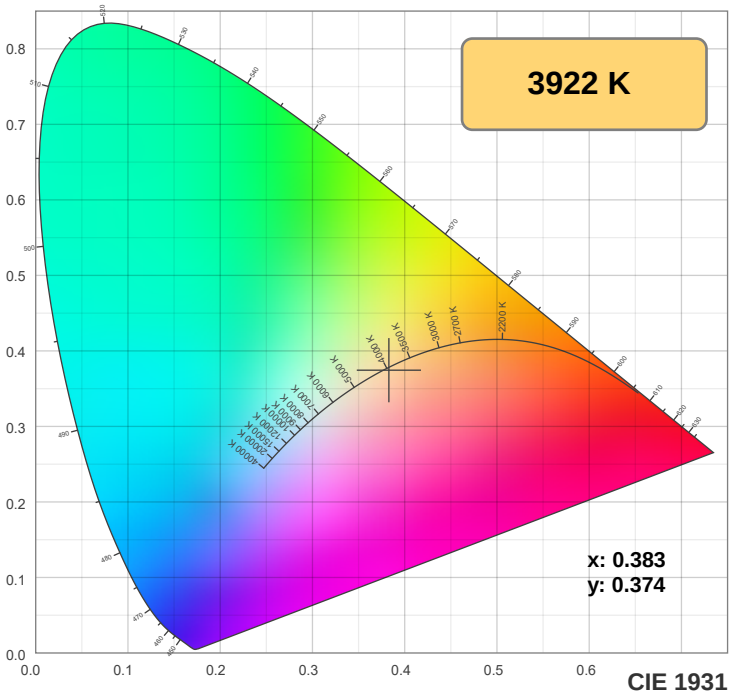


Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.7°

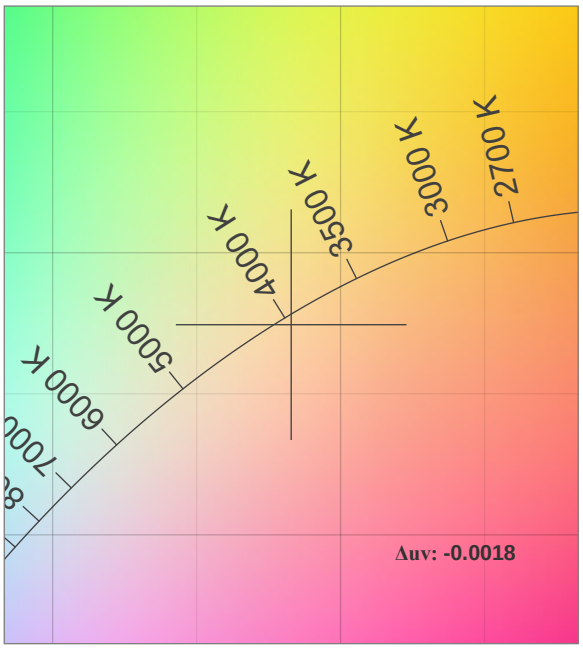
Spectra



COLOR DETAILS

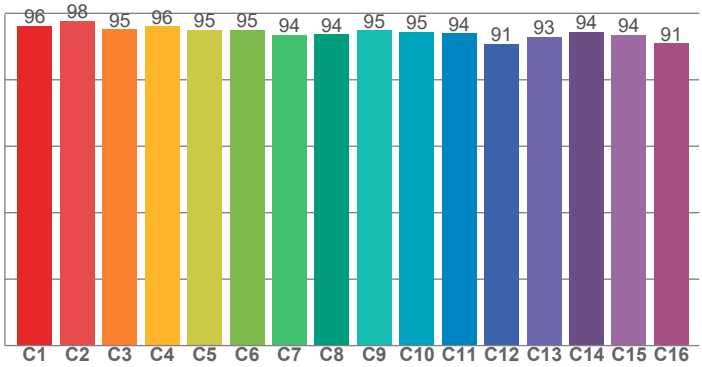


CIE 1931

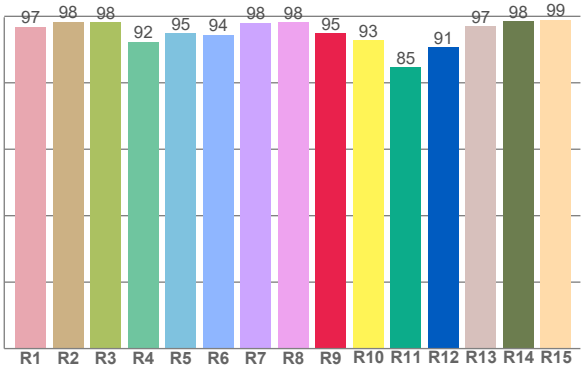


CIE 1931 ZOOM

TM30: 94.6



CRI: 96.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.9	98.4	98.4	92.4	95.0	94.5	98.1	98.2	95.0	92.8	84.7	90.8	97.2	98.5	99.0

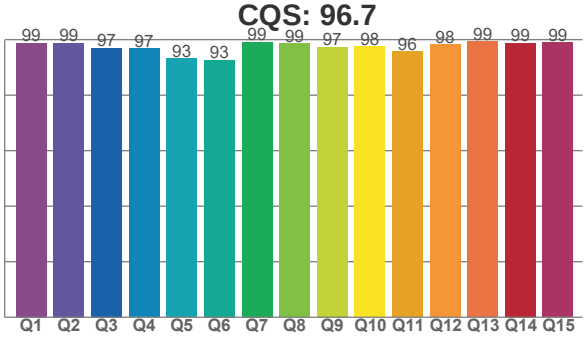
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	97.7	95.1	96.0	95.1	95.1	93.5	93.7	94.8	94.5	94.1	90.8	93.0	94.4	93.5	91.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.8	98.7	97.0	96.8	93.2	92.7	99.1	98.6	97.4	97.6	95.8	98.3	99.3	98.8	98.9

CQS: 96.7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3922 K	96.5	95.0	94.6	103.4	96.7	88	0.383	0.374	-0.0018

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TM30 DETAILS

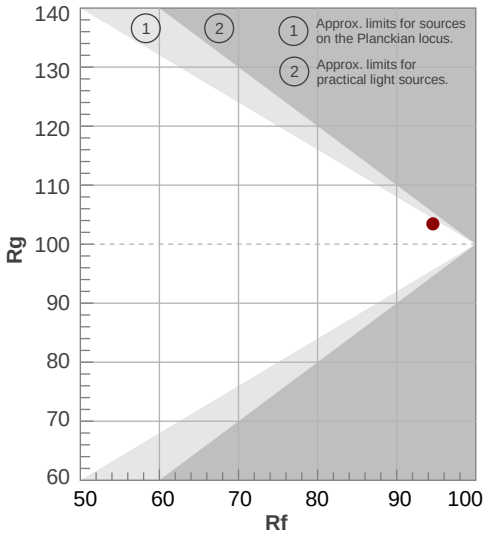
Rf 94.6

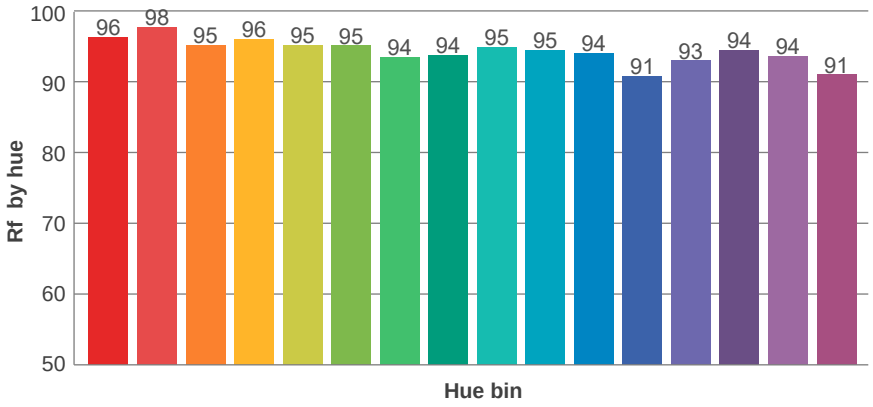
Fidelity index Rf

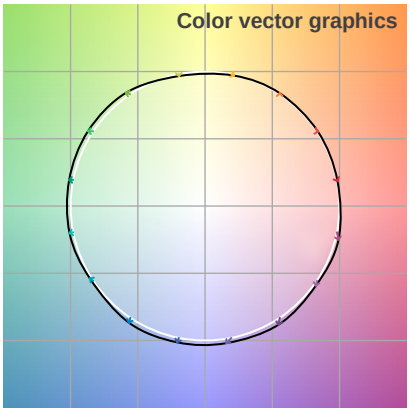
Rg 103.4

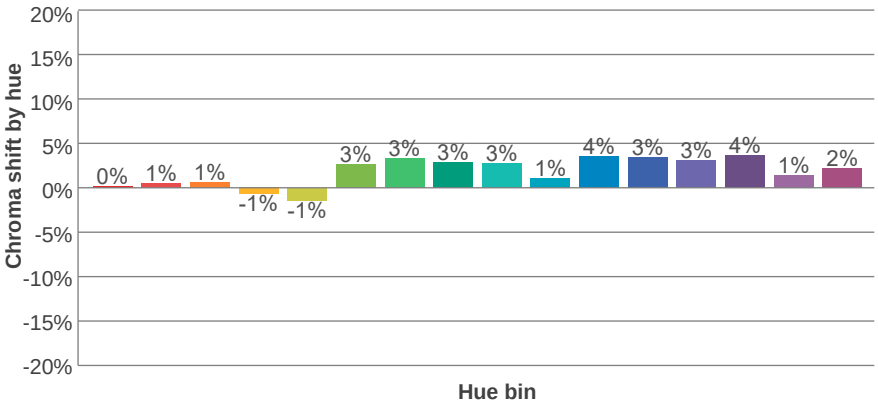
Gammut index Rg

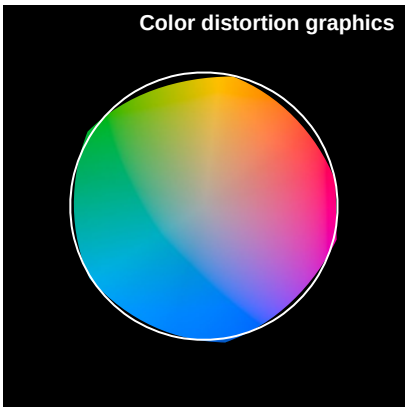
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	96	0%	-1%
2	98	1%	-1%
3	95	1%	0%
4	96	-1%	-2%
5	95	-1%	0%
6	95	3%	2%
7	94	3%	2%
8	94	3%	1%
9	95	3%	0%
10	95	1%	-3%
11	94	4%	1%
12	91	3%	-1%
13	93	3%	-4%
14	94	4%	-4%
15	94	1%	-3%
16	91	2%	-5%

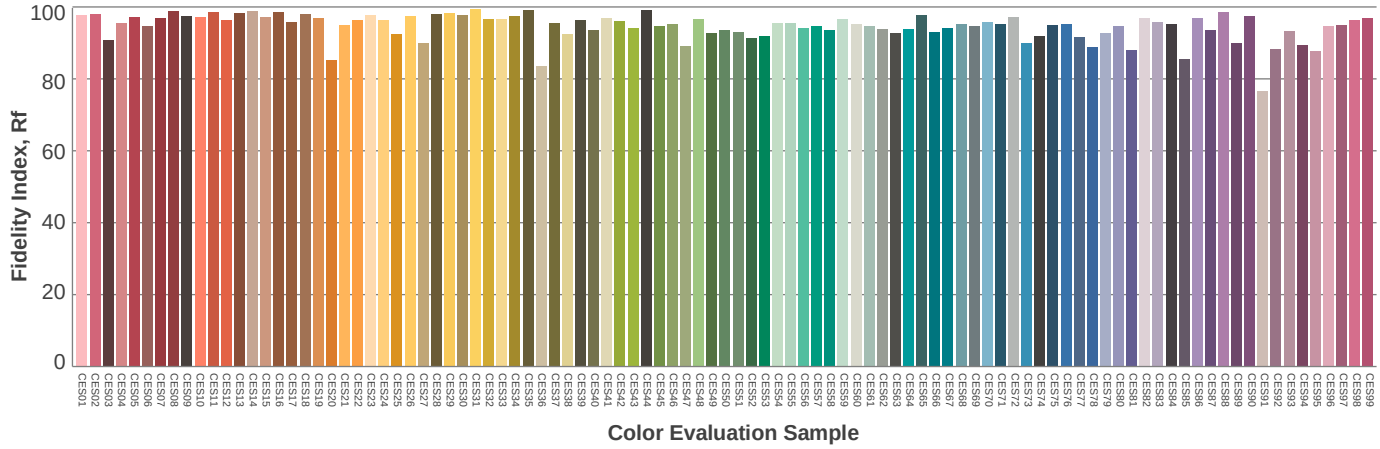












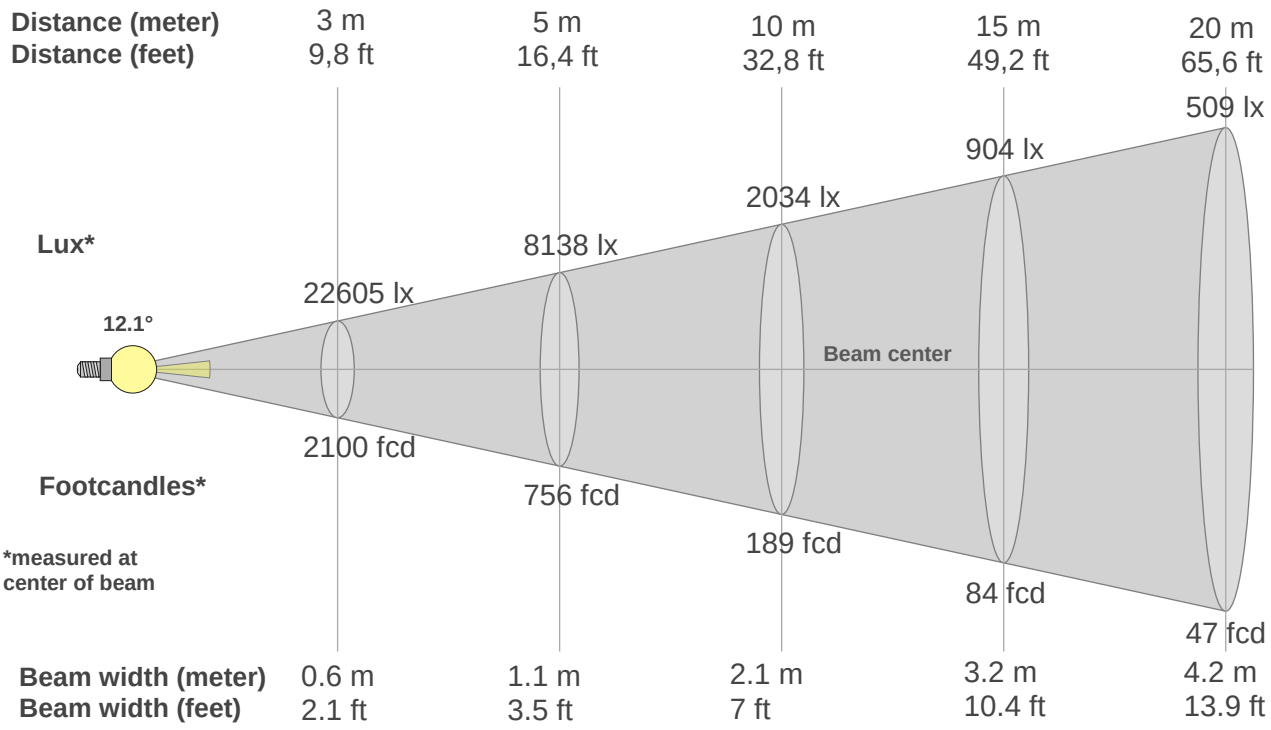
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Tel: +39 0771 72190

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BEAM DETAILS

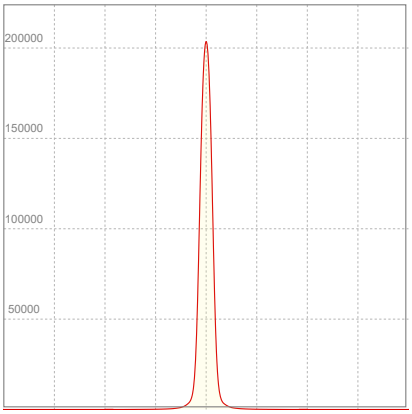
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.7°	99.5%	98.4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	203447lx	50862lx	22605lx	12715lx	8138lx	3617lx	2034lx	904lx	509lx	326lx	226lx	127lx	81lx
Footcand.	18901fcd	4725fcd	2100fcd	1181fcd	756fcd	336fcd	189fcd	84fcd	47fcd	30fcd	21fcd	12fcd	8fcd
Beam wid.	0.2m	0.4m	0.6m	0.8m	1.1m	1.6m	2.1m	3.2m	4.2m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.4ft	13.9ft	17.4ft	20.9ft	27.9ft	34.8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1.50A	321.8W	0.96	33lm/W

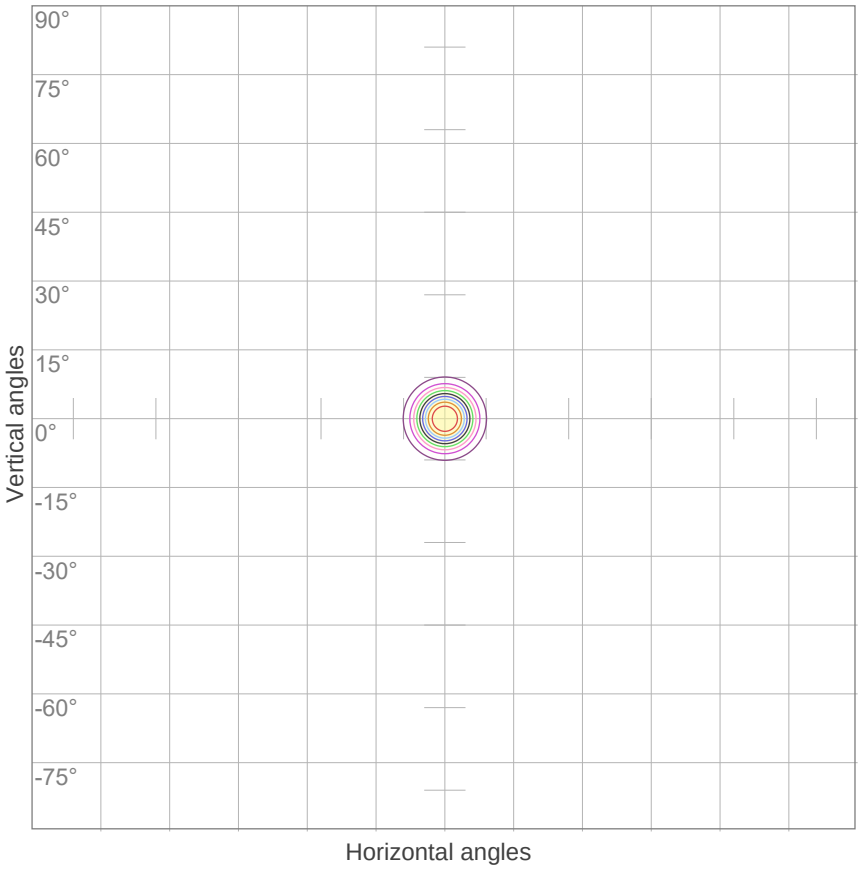
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



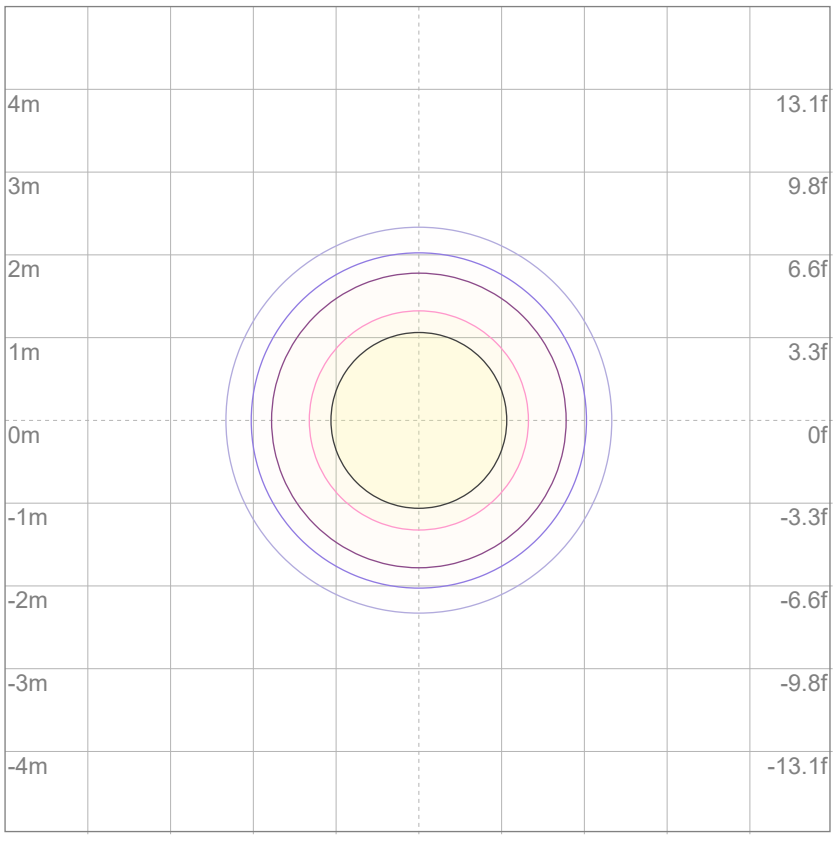
10%	20345 cd
20%	40689 cd
30%	61034 cd
40%	81379 cd
50%	101724 cd
60%	122068 cd
70%	142413 cd
80%	162758 cd
90%	183103 cd

Conditions:

Number of c-planes: 2

Candela at center: 203447 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	61.0 lx
5%	102 lx
10%	203 lx
30%	610 lx
50%	1017 lx

Conditions:

Number of c-planes: 2

Lux at center: 2034 lx

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

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Total lumen output:

16272 lm

Peak candela output:

22324 cd

Light quality:

CRI: 96.2

Color temperature:

5450 K

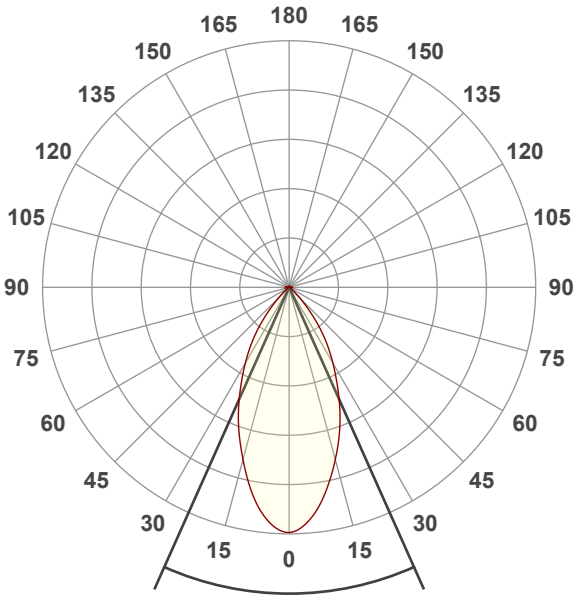
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
5600K

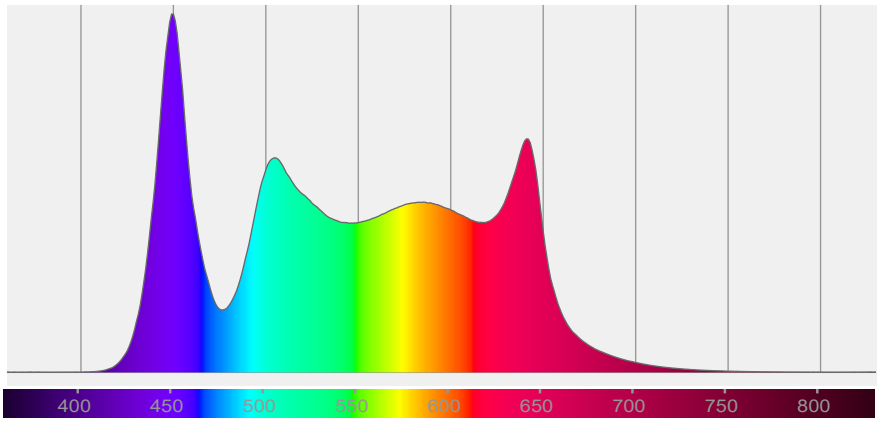
Operator:
Prolight R&D

Date and time:
8/29/2026 3:33:57 PM

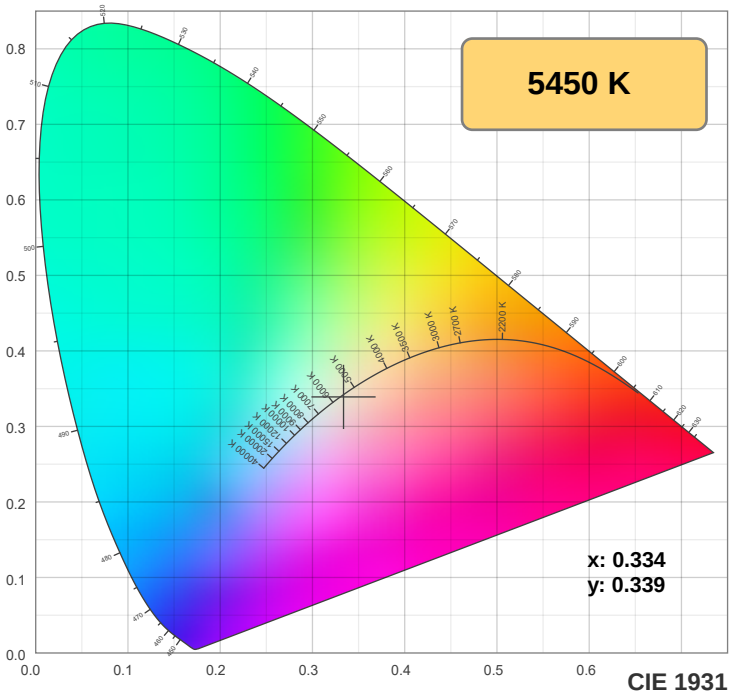


Beam angle 50%: 48.1°
Field angle 10%: 84.7°
Cut off angle 2.5%: 99.3°

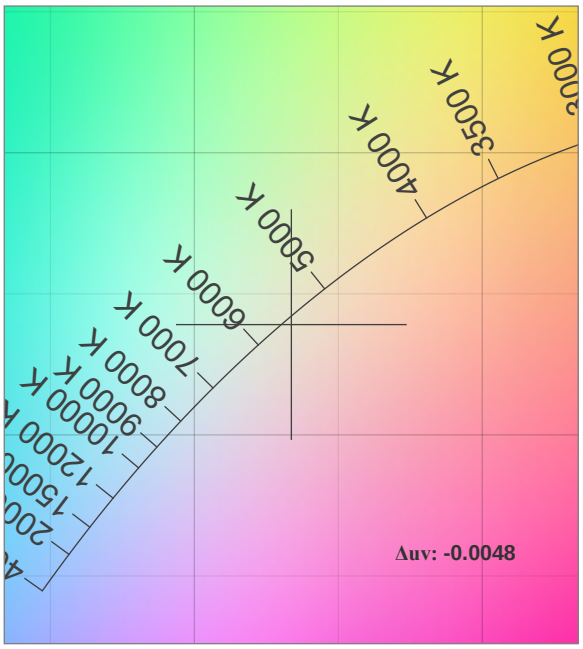
Spectra



COLOR DETAILS

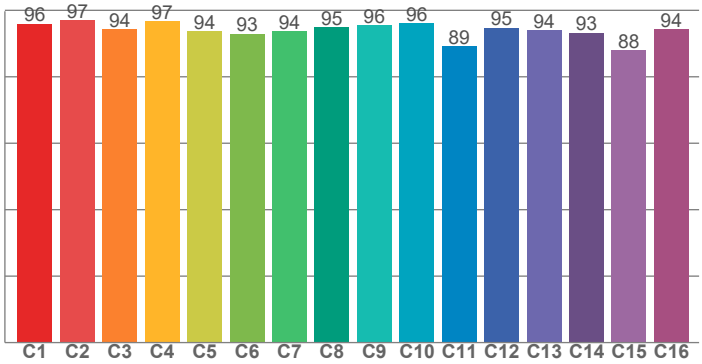


CIE 1931

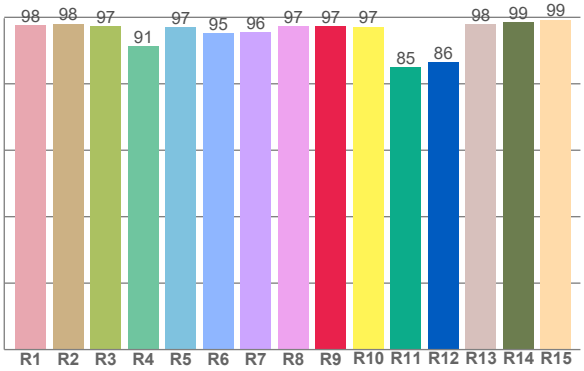


CIE 1931 ZOOM

TM30: 94.0



CRI: 96.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	98.1	97.3	91.3	96.9	95.3	95.6	97.5	97.4	97.2	84.9	86.4	97.8	98.5	99.3

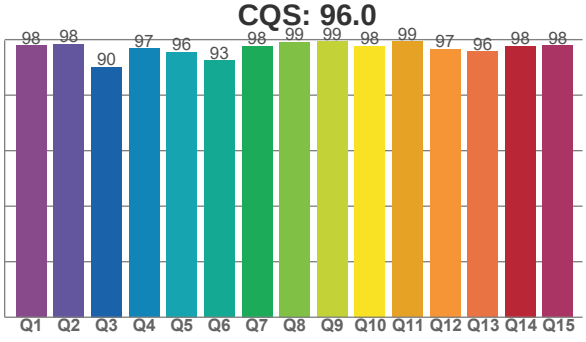
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	97.0	94.4	96.7	93.7	92.9	93.7	94.9	95.5	96.1	89.2	94.8	94.0	93.3	88.0	94.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.8	98.4	90.1	96.7	95.6	92.5	97.7	99.2	99.3	97.7	99.2	96.7	95.7	97.6	97.9

CQS: 96.0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5450 K	96.2	97.4	94.0	104.3	96.0	92	0.334	0.339	-0.0048

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TM30 DETAILS

PROLiGHTS

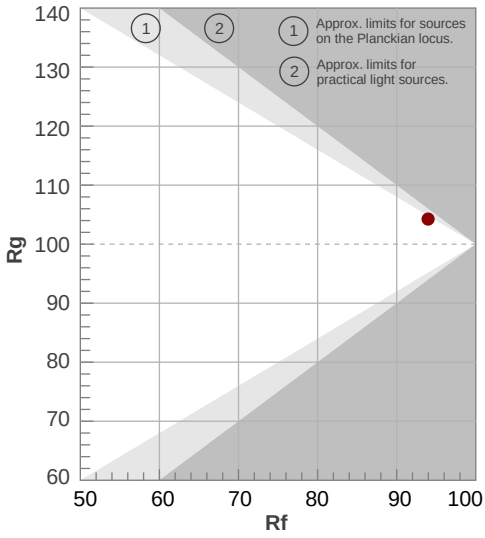
Rf 94.0

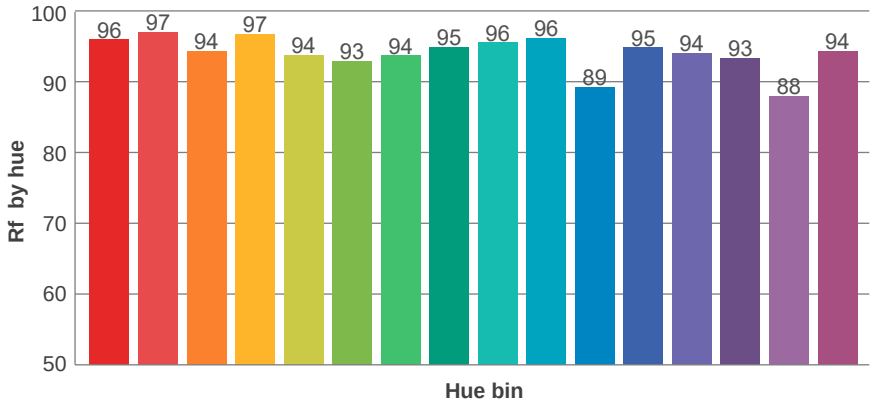
Fidelity index Rf

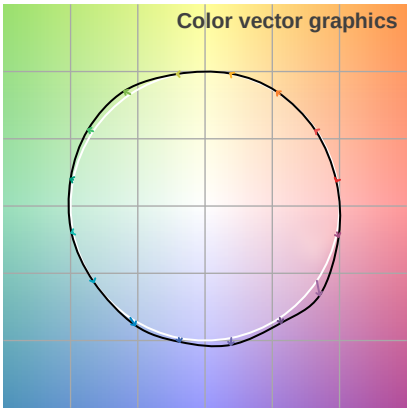
Rg 104.3

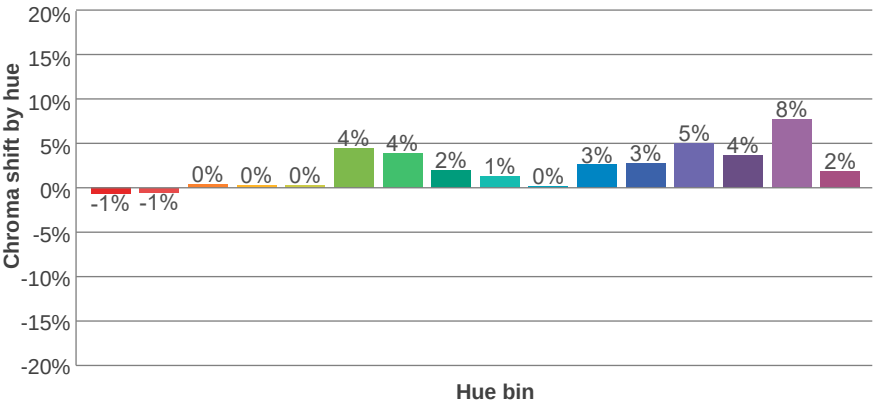
Gammut index Rg

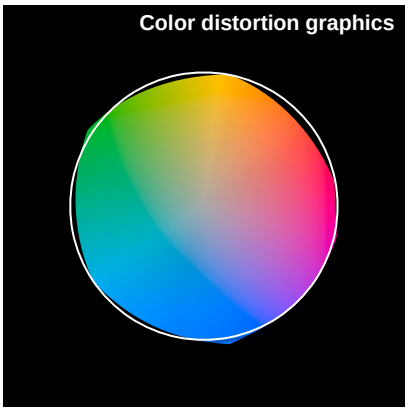
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	97	-1%	1%
3	94	0%	3%
4	97	0%	1%
5	94	0%	1%
6	93	4%	2%
7	94	4%	1%
8	95	2%	0%
9	96	1%	0%
10	96	0%	1%
11	89	3%	6%
12	95	3%	1%
13	94	5%	-1%
14	93	4%	-1%
15	88	8%	-8%
16	94	2%	-3%

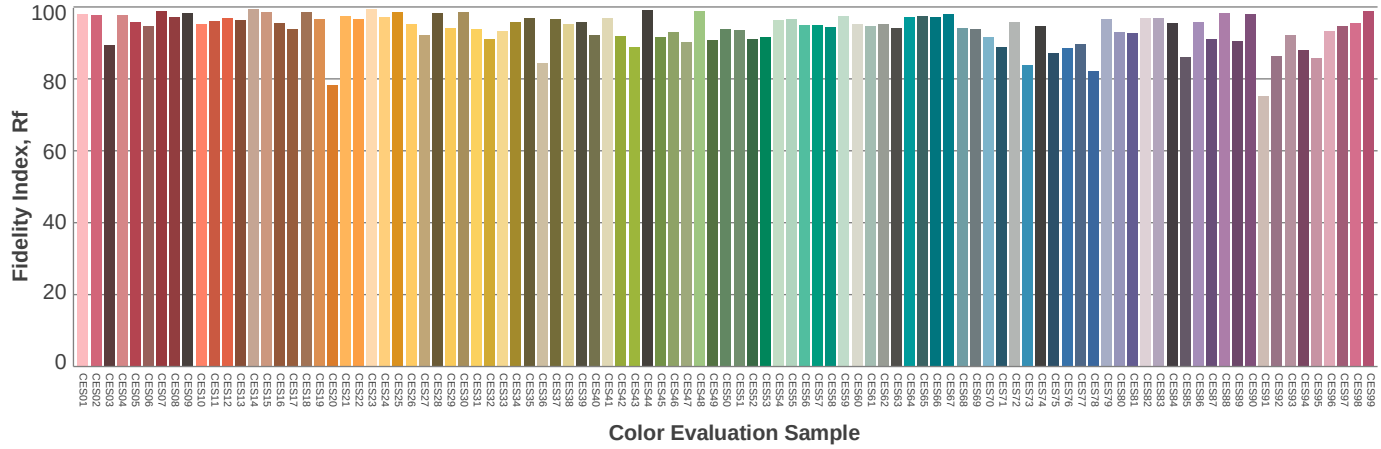












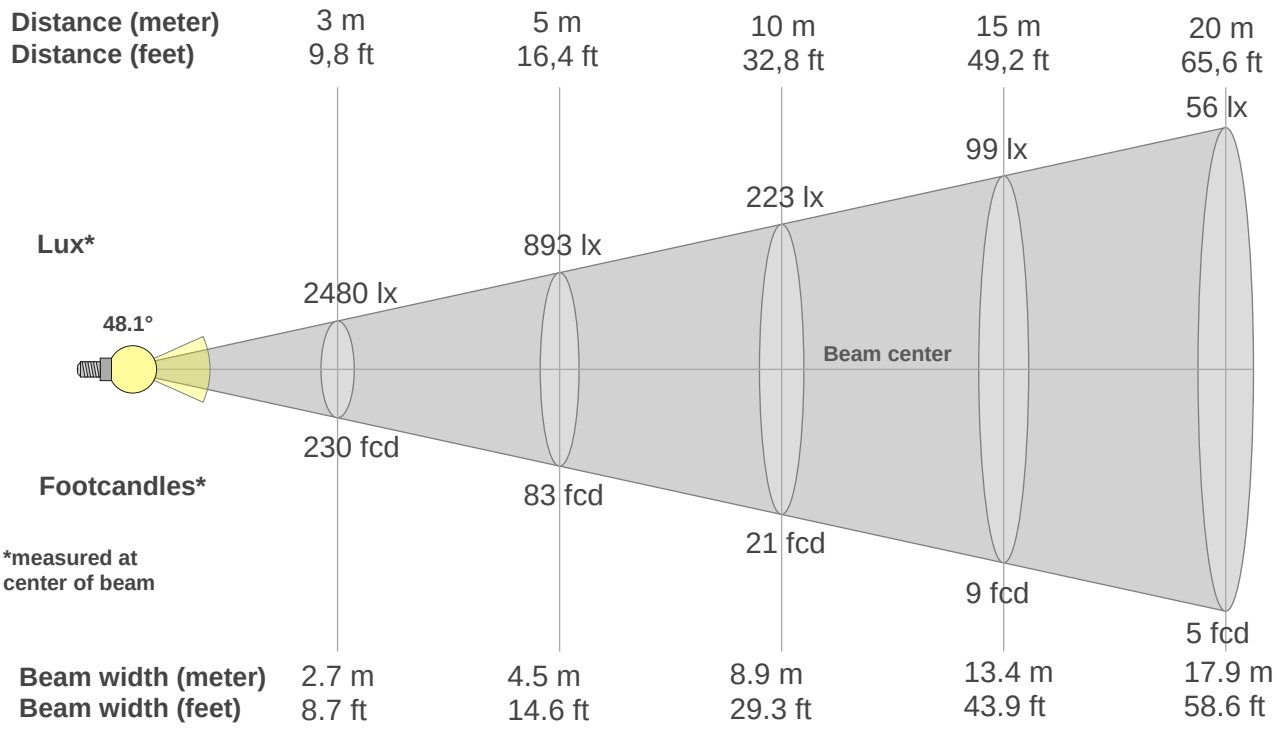
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BEAM DETAILS

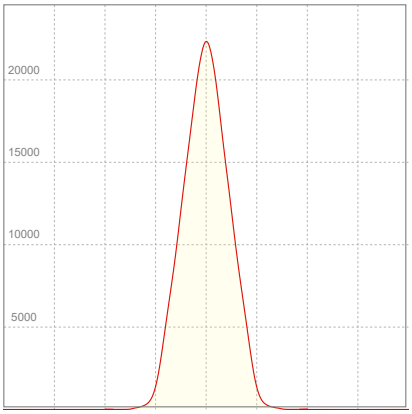
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.7°	99.3°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22322lx	5580lx	2480lx	1395lx	893lx	397lx	223lx	99lx	56lx	36lx	25lx	14lx	9lx
Footcand.	2074fcd	518fcd	230fcd	130fcd	83fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.9m	22.3m	26.8m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	22ft	29.3ft	43.9ft	58.6ft	73.2ft	87.8ft	117.1ft	146.4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.43A	307.9W	0.96	53lm/W

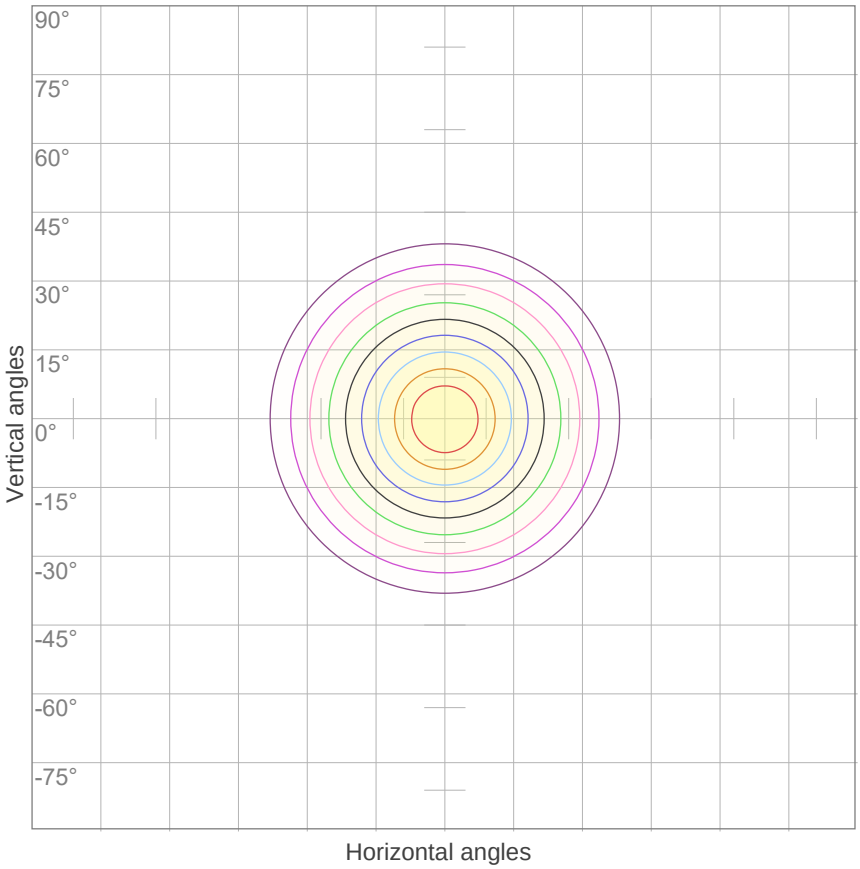
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



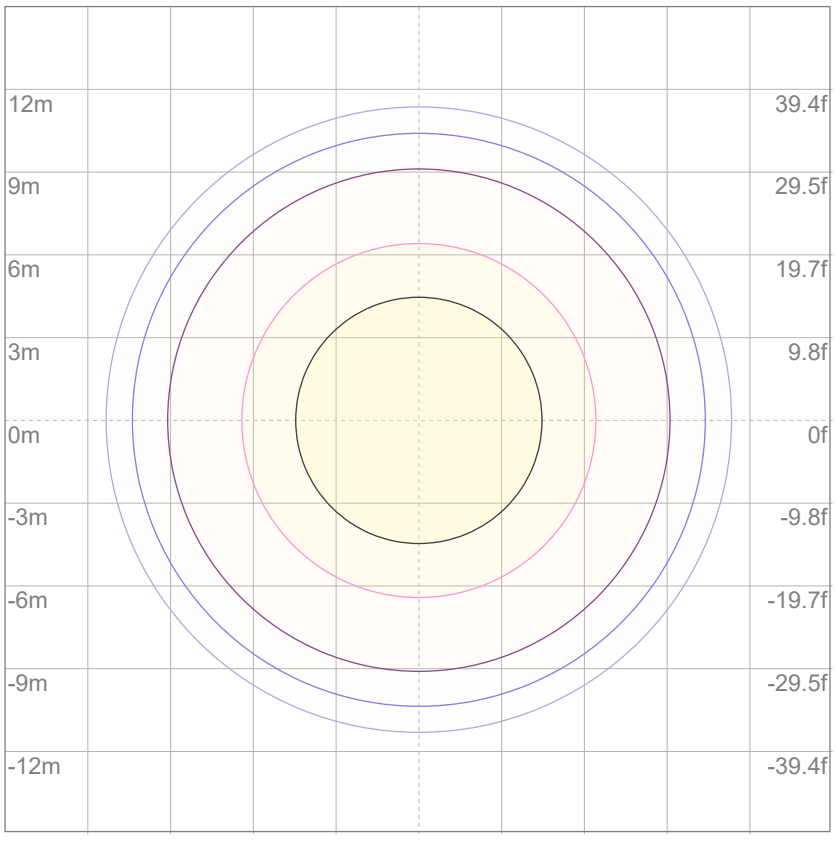
10%	2232 cd
20%	4464 cd
30%	6697 cd
40%	8929 cd
50%	11161 cd
60%	13393 cd
70%	15625 cd
80%	17857 cd
90%	20090 cd

Conditions:

Number of c-planes: 2

Candela at center: 22322 cd

ISO LUX DIAGRAM



3%	6.70 lx
5%	11.2 lx
10%	22.3 lx
30%	67.0 lx
50%	112 lx

Conditions:

Number of c-planes: 2

Lux at center: 223 lx

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

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Total lumen output:

15065 lm

Peak candela output:

73427 cd

Light quality:

CRI: 96.2

Color temperature:

5457 K

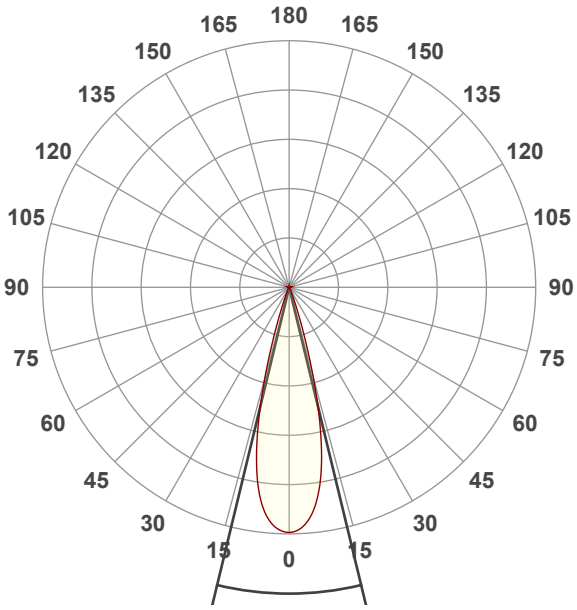
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
5600K

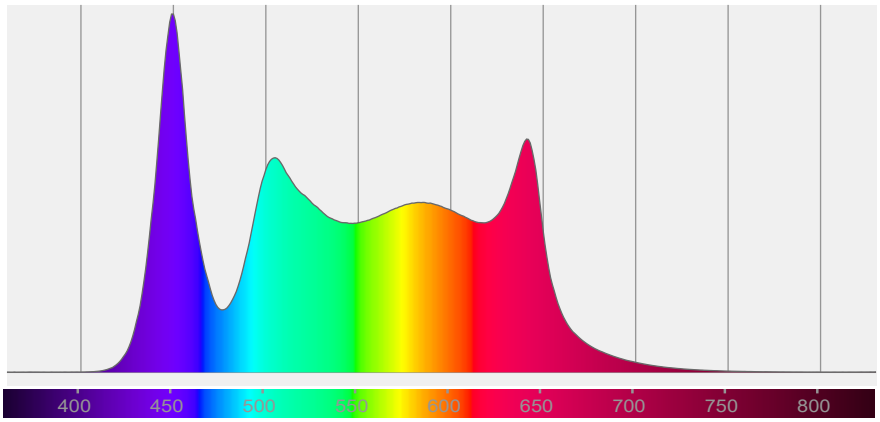
Operator:
Prolight R&D

Date and time:
8/29/2026 2:57:50 PM

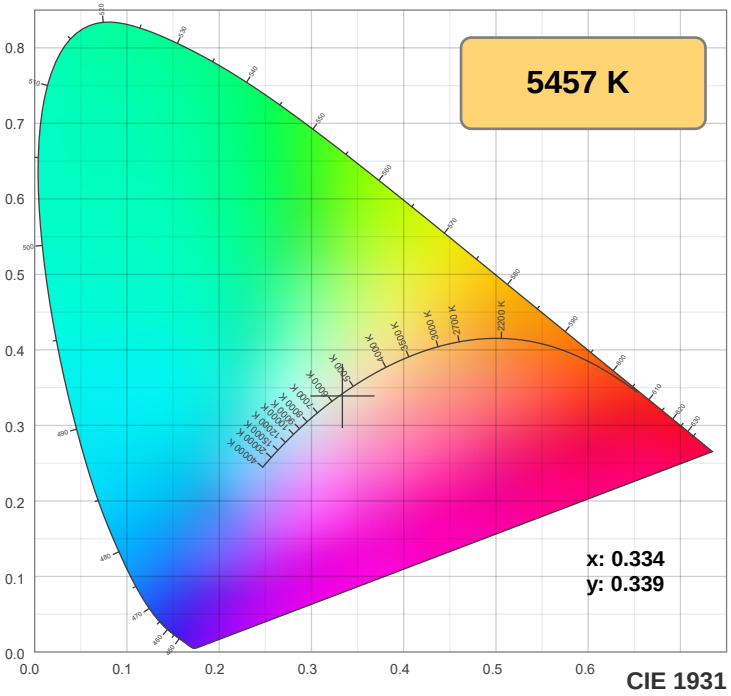


Beam angle 50%: 27.2°
Field angle 10%: 39°
Cut off angle 2.5%: 48.7°

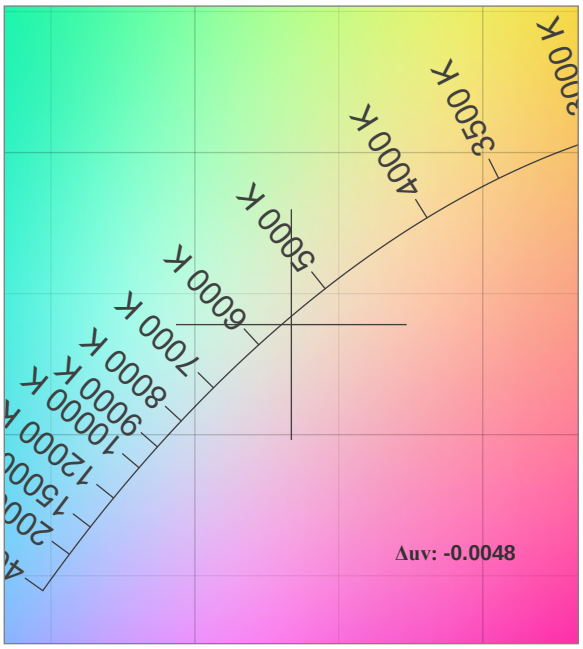
Spectra



COLOR DETAILS

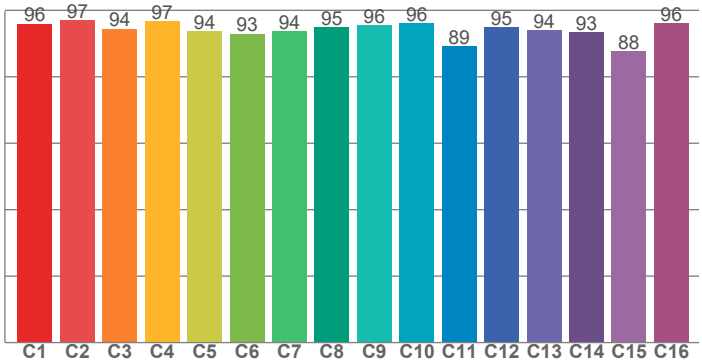


CIE 1931

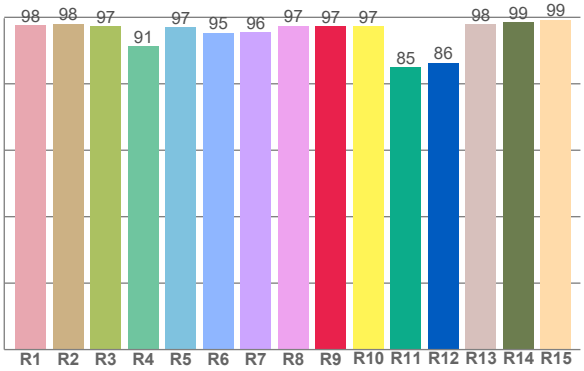


CIE 1931 ZOOM

TM30: 94.0



CRI: 96.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.7	98.1	97.3	91.3	97.0	95.4	95.6	97.5	97.4	97.2	84.9	86.4	97.9	98.5	99.3

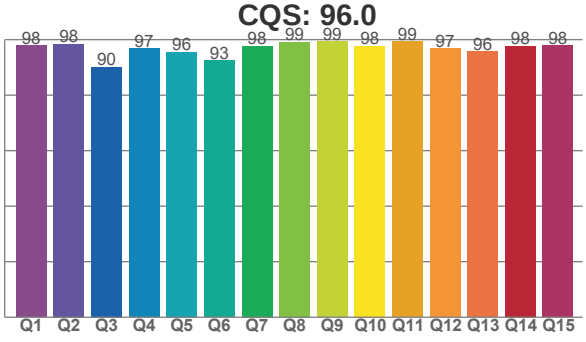
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	97.0	94.4	96.7	93.7	93.0	93.7	94.9	95.5	96.2	89.2	94.8	94.0	93.3	87.6	96.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.9	98.4	90.1	96.7	95.6	92.6	97.7	99.2	99.3	97.7	99.3	96.7	95.7	97.6	97.9

CQS: 96.0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5457 K	96.2	97.4	94.0	104.2	96.0	92	0.334	0.339	-0.0048

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TM30 DETAILS

PROLiGHTS

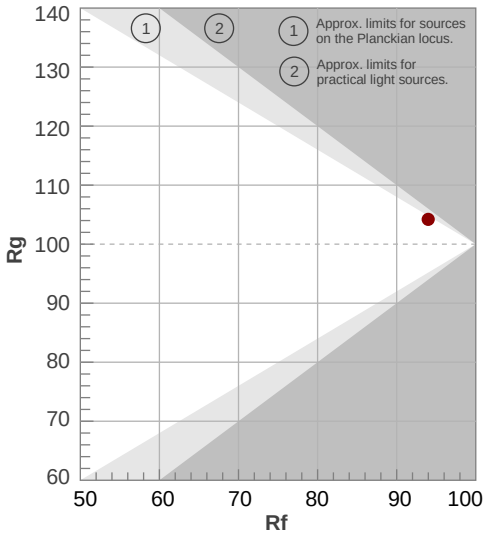
Rf 94.0

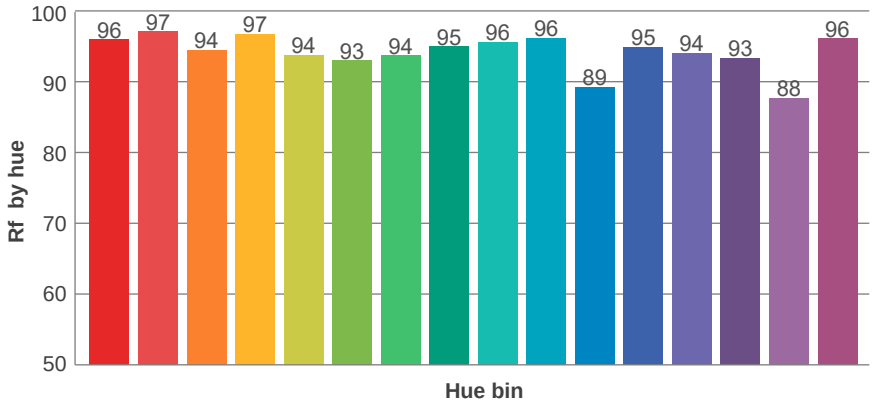
Fidelity index Rf

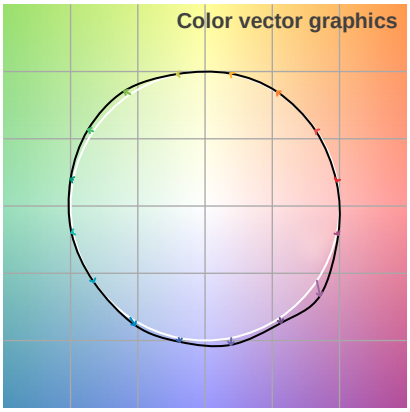
Rg 104.2

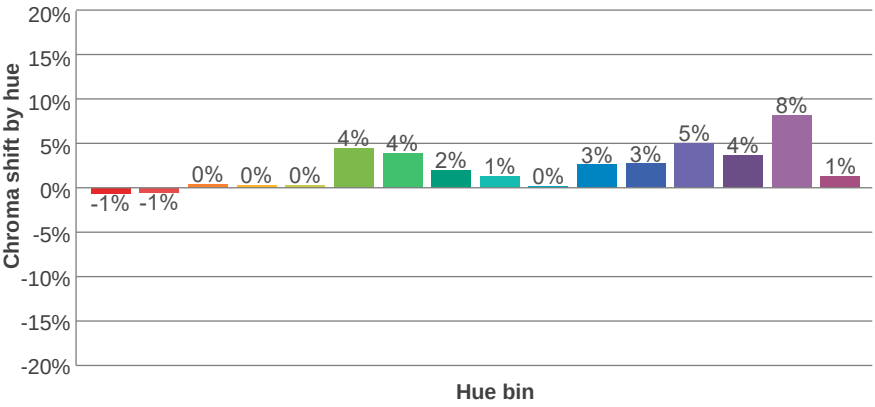
Gammut index Rg

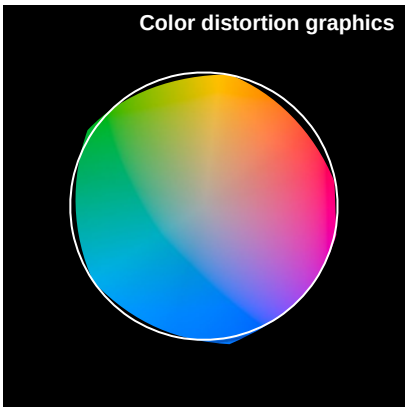
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	97	-1%	1%
3	94	0%	3%
4	97	0%	1%
5	94	0%	1%
6	93	4%	2%
7	94	4%	1%
8	95	2%	0%
9	96	1%	0%
10	96	0%	1%
11	89	3%	6%
12	95	3%	1%
13	94	5%	-1%
14	93	4%	-1%
15	88	8%	-8%
16	96	1%	-2%

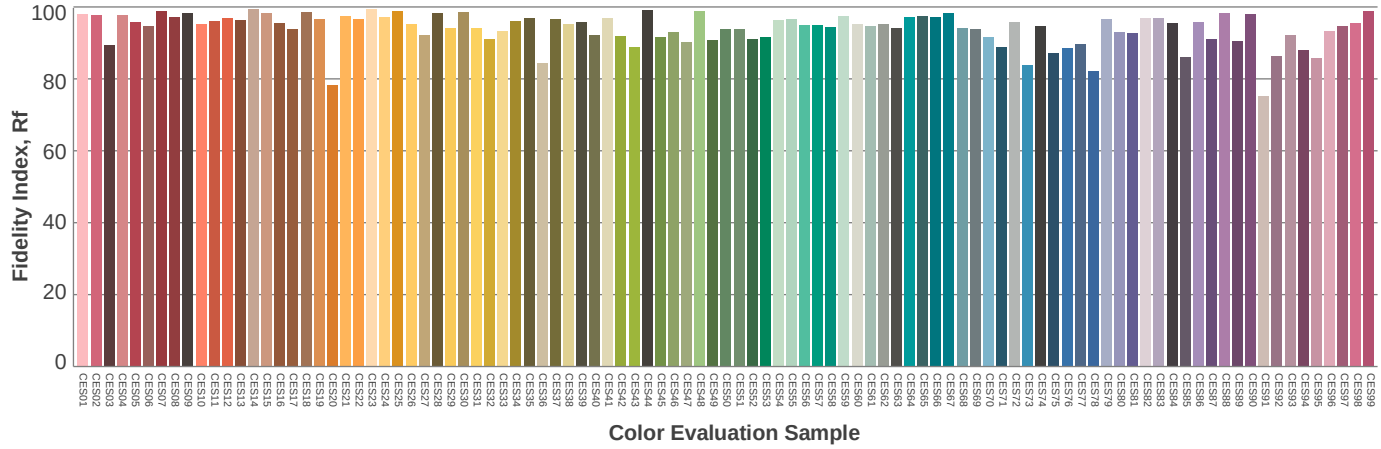












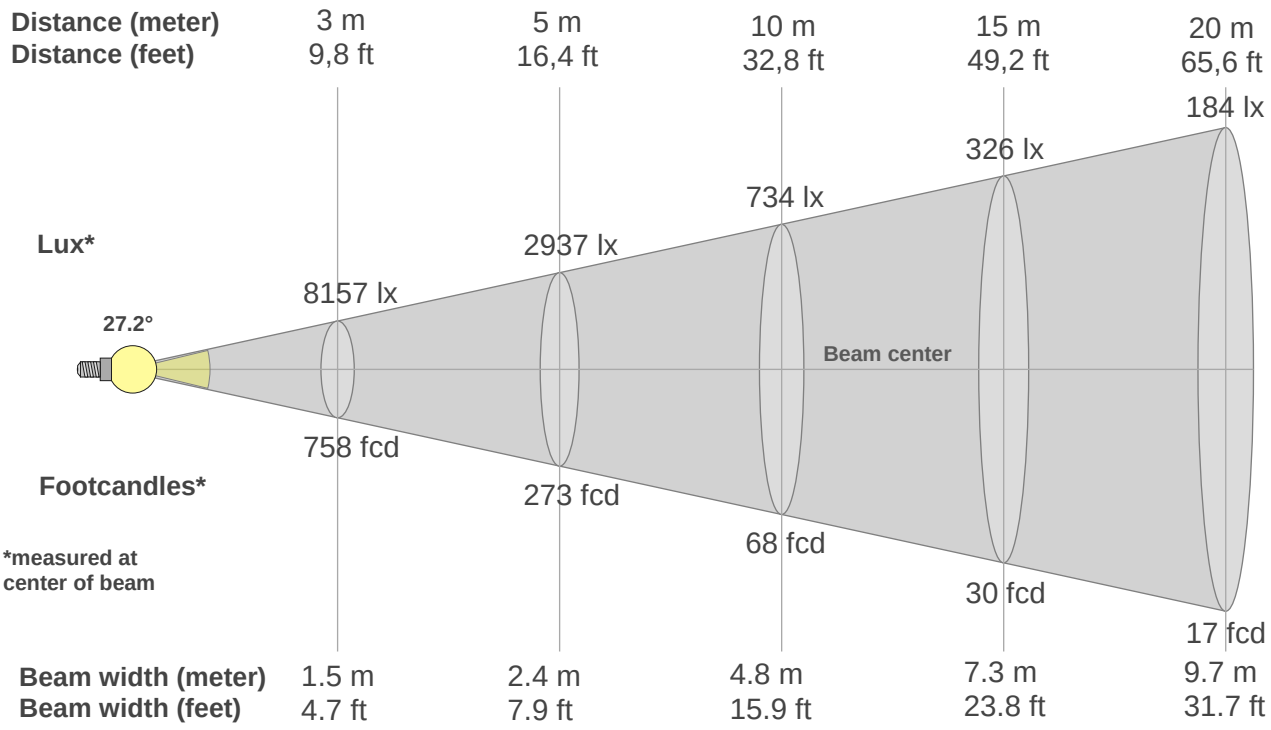
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04026 - Minturno (LT) ITALY
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BEAM DETAILS

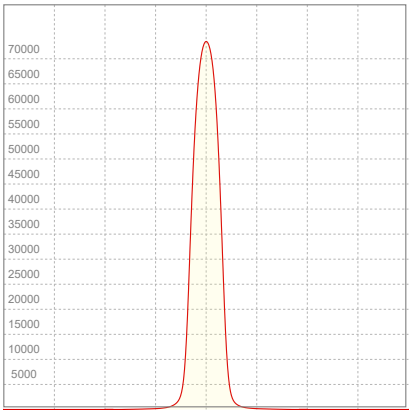
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	39°	48.7°	99.6%	98.7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	73414lx	18354lx	8157lx	4588lx	2937lx	1305lx	734lx	326lx	184lx	117lx	82lx	46lx	29lx
Footcand.	6820fcd	1705fcd	758fcd	426fcd	273fcd	121fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0.5m	1m	1.5m	1.9m	2.4m	3.6m	4.8m	7.3m	9.7m	12.1m	14.5m	19.3m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.9ft	23.8ft	31.7ft	39.7ft	47.6ft	63.5ft	79.3ft

LINEAR DISTRIBUTION DIAGRAM

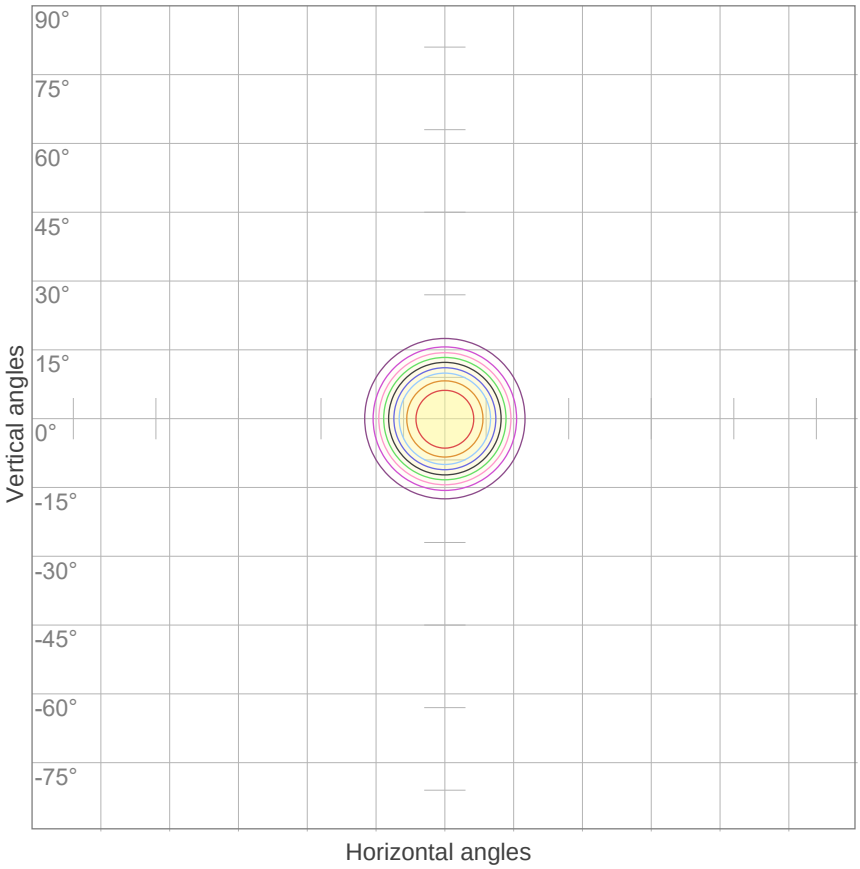


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1.42A	307.5W	0.96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



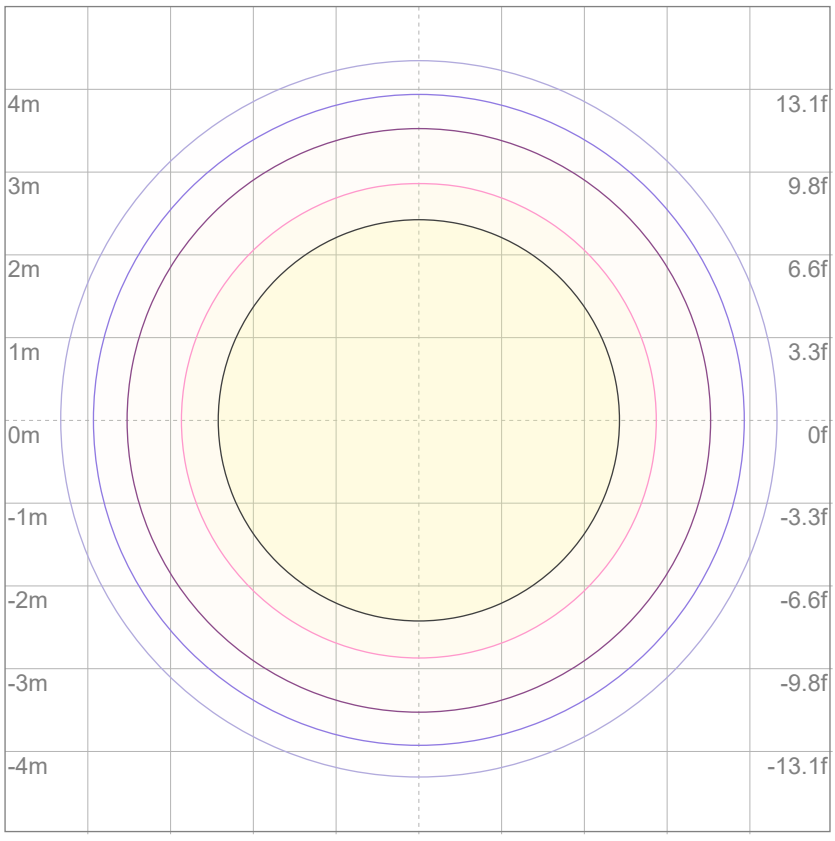
10%	7341 cd
20%	14683 cd
30%	22024 cd
40%	29366 cd
50%	36707 cd
60%	44049 cd
70%	51390 cd
80%	58731 cd
90%	66073 cd

Conditions:

Number of c-planes: 2

Candela at center: 73414 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	22.0 lx
5%	36.7 lx
10%	73.4 lx
30%	220 lx
50%	367 lx

Conditions:

Number of c-planes: 2

Lux at center: 734 lx

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



Total lumen output:

10472 lm

Peak candela output:

199176 cd

Light quality:

CRI: 96.0

Color temperature:

5503 K

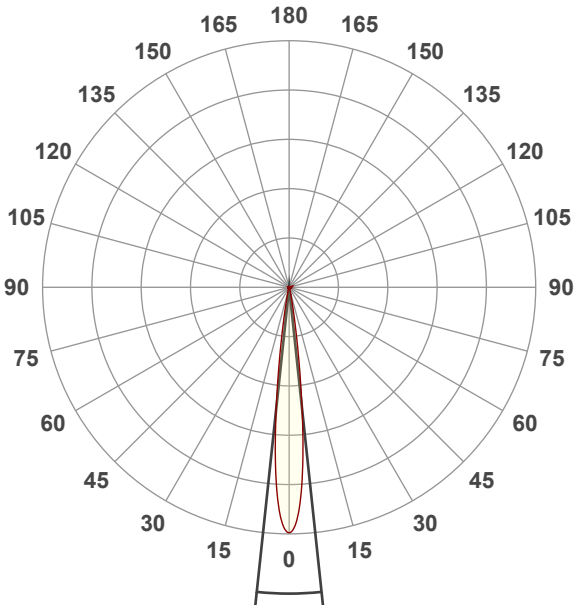
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
5600K

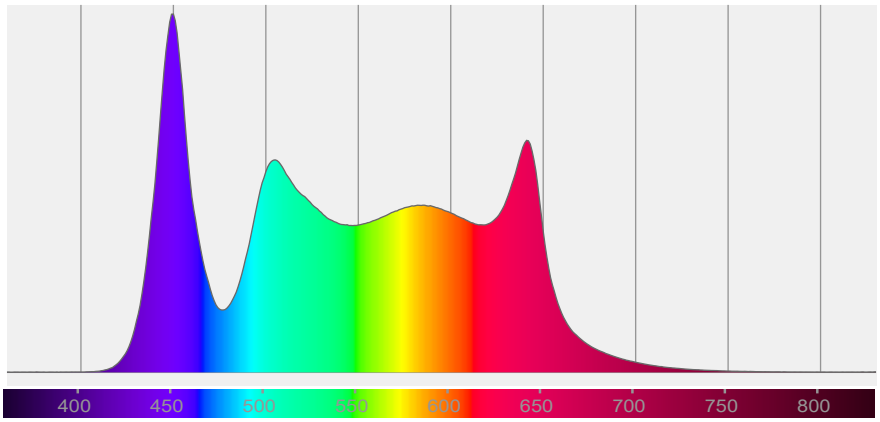
Operator:
Prolight R&D

Date and time:
8/29/2026 1:49:26 PM

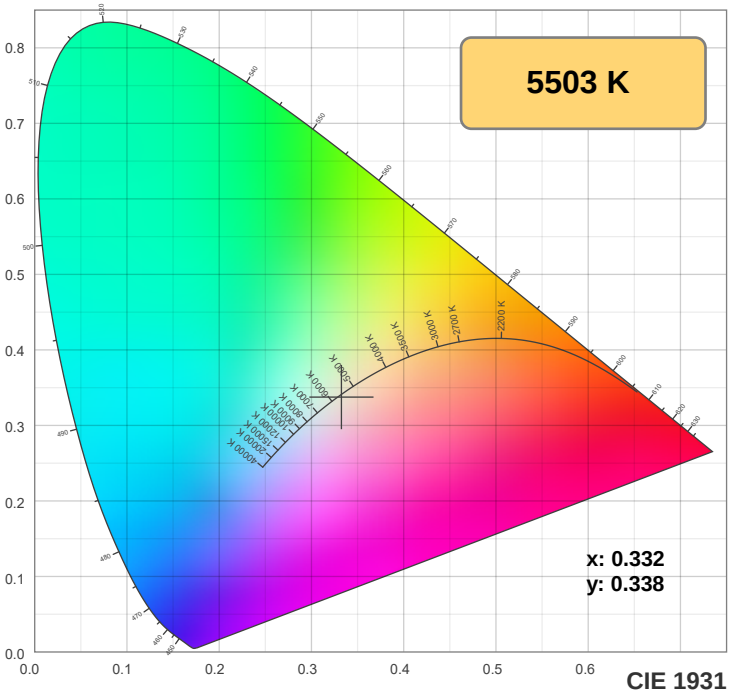


Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.7°

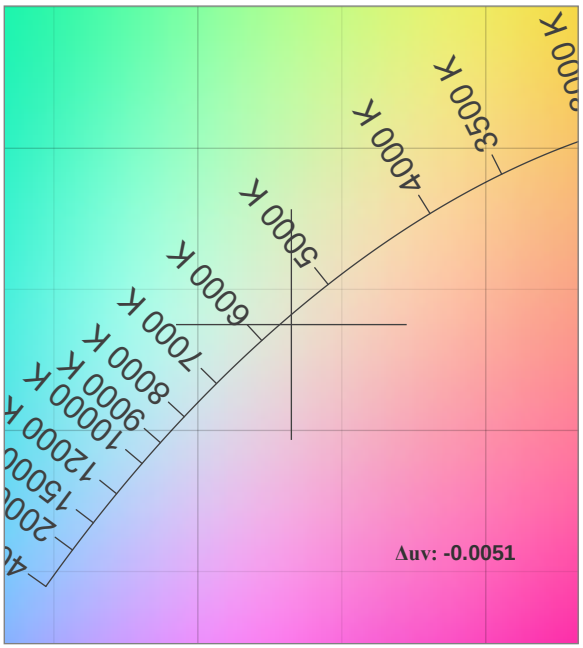
Spectra



COLOR DETAILS

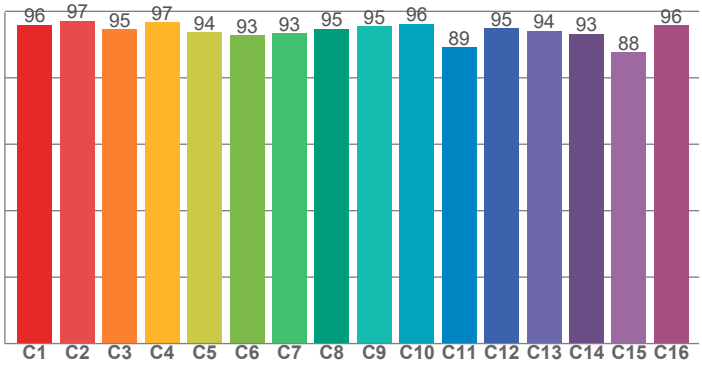


CIE 1931

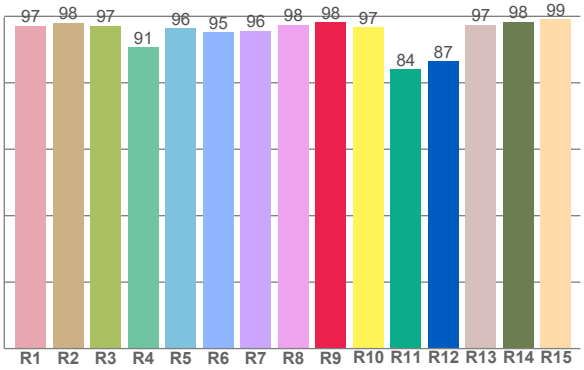


CIE 1931 ZOOM

TM30: 94.0



CRI: 96.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.2	98.1	97.2	90.8	96.4	95.3	95.7	97.5	98.2	96.8	84.2	86.5	97.5	98.4	99.1

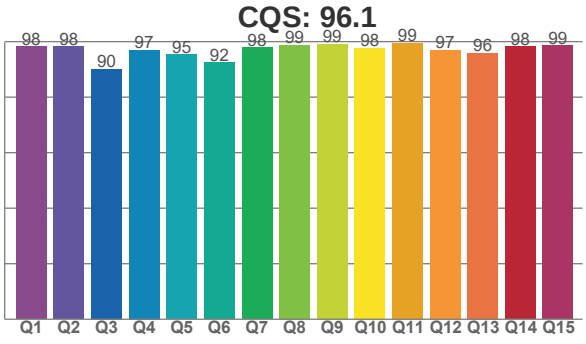
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.0	97.1	94.6	96.8	93.7	92.8	93.4	94.7	95.4	96.2	89.2	94.8	94.1	93.3	87.7	95.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.3	98.3	90.1	96.9	95.3	92.5	97.9	98.9	99.1	97.8	99.5	97.0	95.9	98.2	98.5

CQS: 96.1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5503 K	96.0	98.2	94.0	104.5	96.1	92	0.332	0.338	-0.0051

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TM30 DETAILS

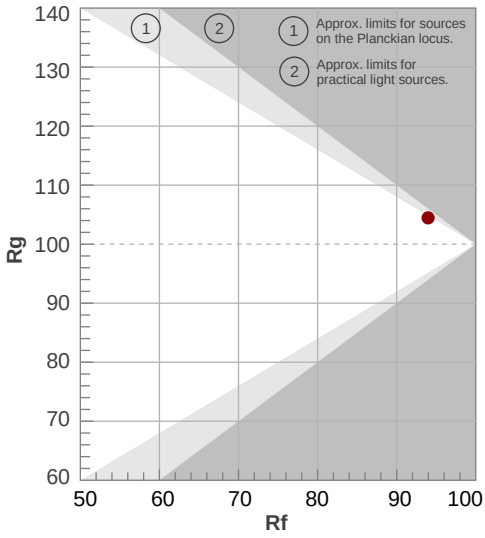
Rf 94.0

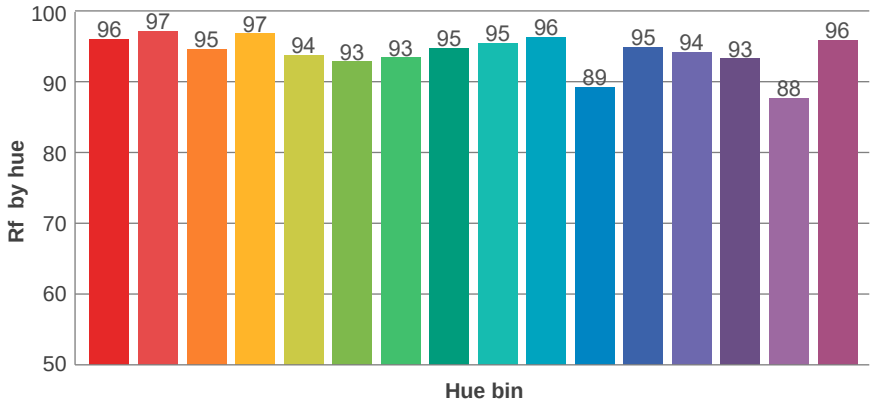
Fidelity index Rf

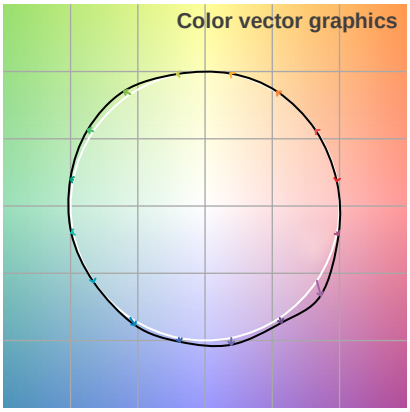
Rg 104.5

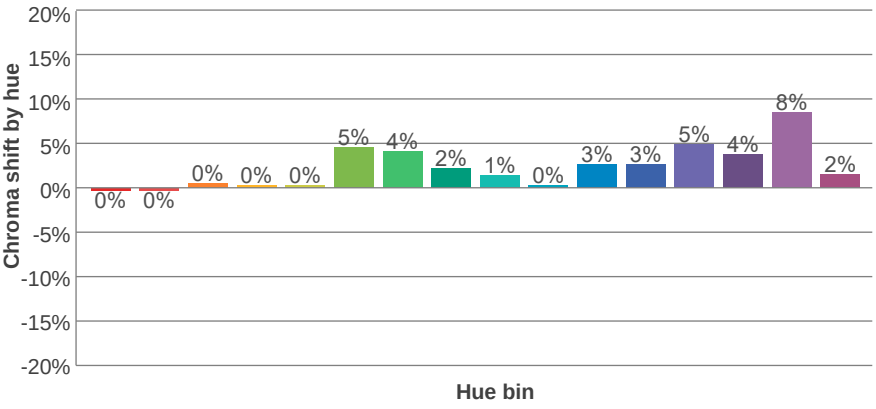
Gammut index Rg

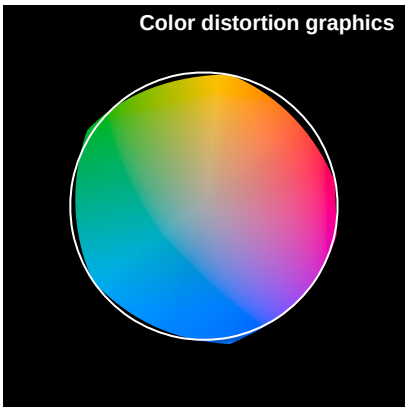
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	96	0%	-1%
2	97	0%	1%
3	95	0%	3%
4	97	0%	1%
5	94	0%	1%
6	93	5%	2%
7	93	4%	1%
8	95	2%	0%
9	95	1%	0%
10	96	0%	1%
11	89	3%	6%
12	95	3%	1%
13	94	5%	-1%
14	93	4%	-1%
15	88	8%	-7%
16	96	2%	-2%

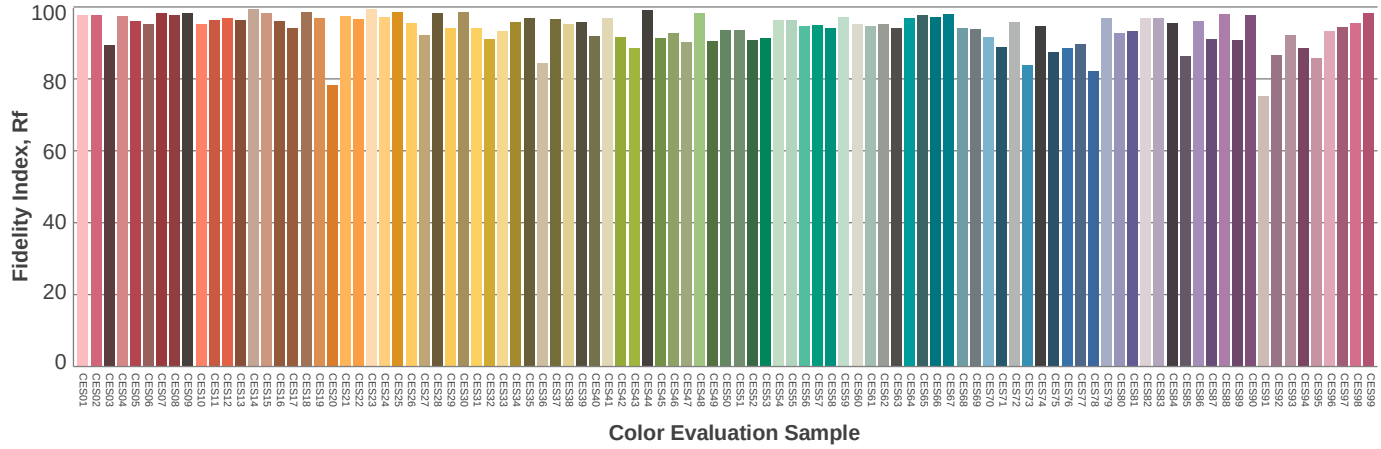












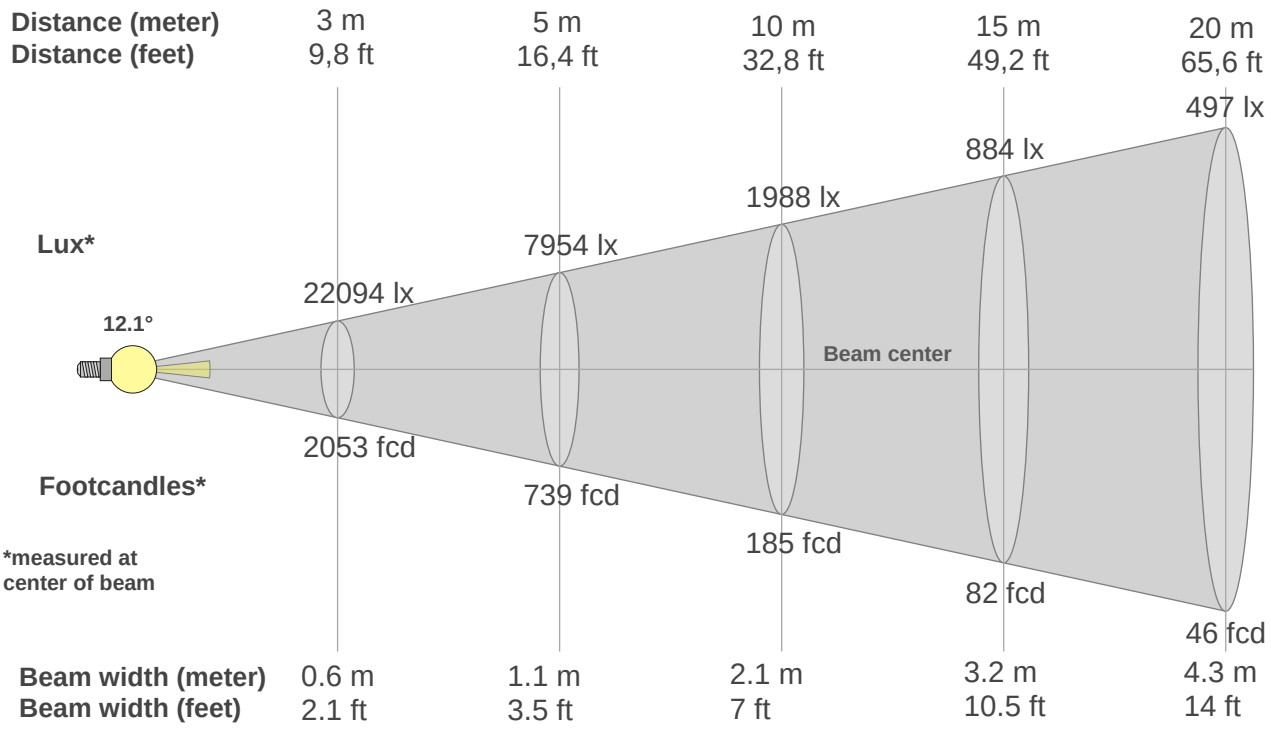
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BEAM DETAILS

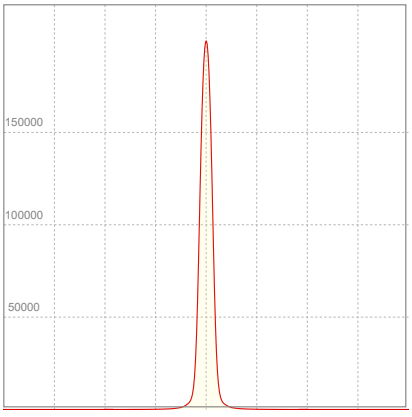
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.7°	99.6%	98.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	198846lx	49712lx	22094lx	12428lx	7954lx	3535lx	1988lx	884lx	497lx	318lx	221lx	124lx	80lx
Footcand.	18473fcd	4618fcd	2053fcd	1155fcd	739fcd	328fcd	185fcd	82fcd	46fcd	30fcd	21fcd	12fcd	7fcd
Beam wid.	0.2m	0.4m	0.6m	0.9m	1.1m	1.6m	2.1m	3.2m	4.3m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	14ft	17.4ft	20.9ft	27.9ft	34.9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1.43A	307.3W	0.96	34lm/W

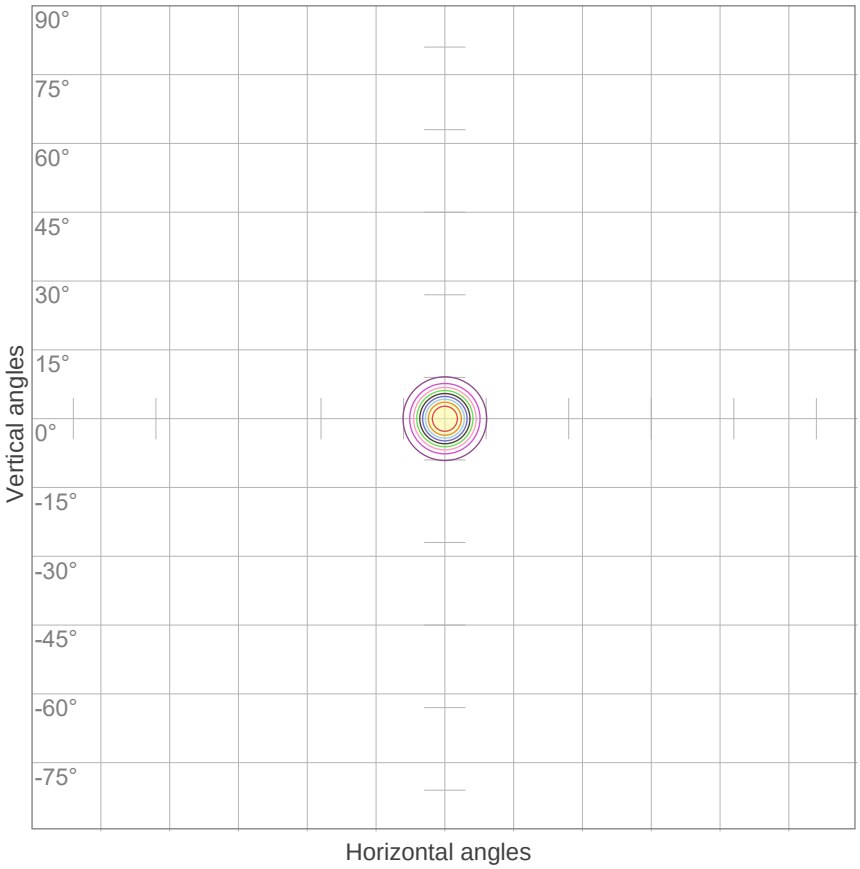
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



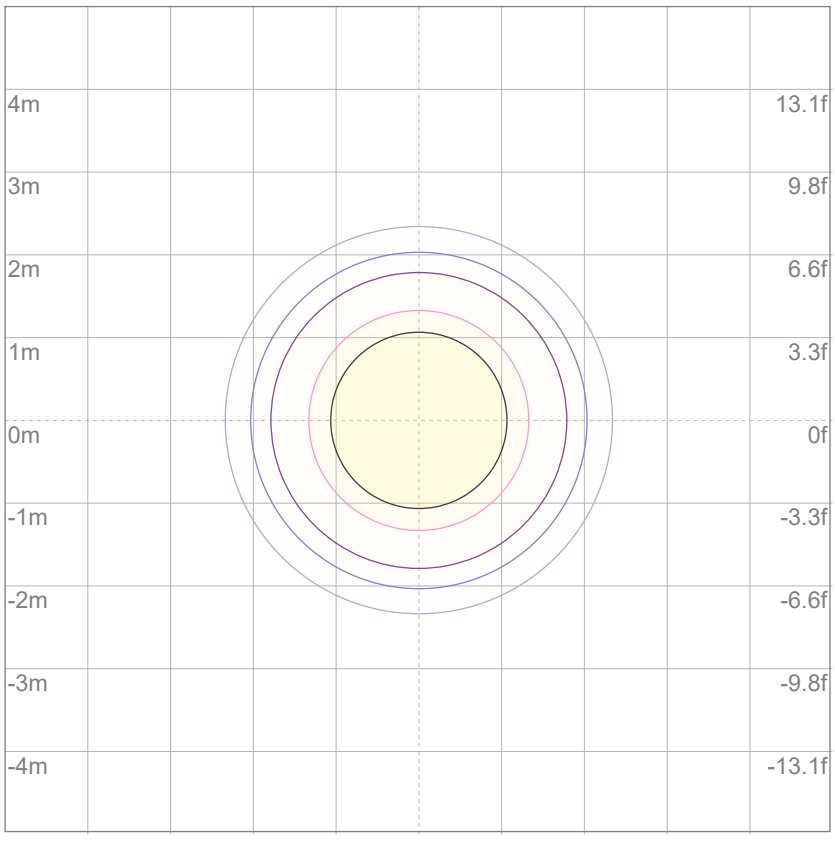
10%	19885 cd
20%	39769 cd
30%	59654 cd
40%	79538 cd
50%	99423 cd
60%	119308 cd
70%	139192 cd
80%	159077 cd
90%	178961 cd

Conditions:

Number of c-planes: 2

Candela at center: 198846 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	59.7 lx
5%	99.4 lx
10%	199 lx
30%	597 lx
50%	994 lx

Conditions:

Number of c-planes: 2

Lux at center: 1988 lx

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



Total lumen output:

16009 lm

Peak candela output:

21945 cd

Light quality:

CRI: 96.1

Color temperature:

5824 K

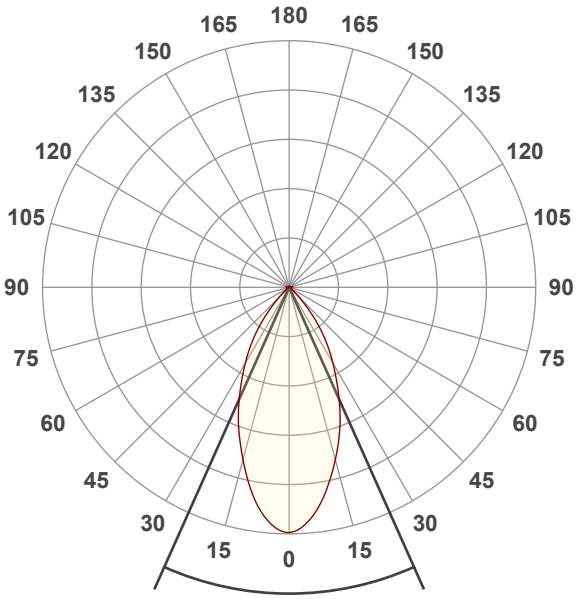
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Max Zoom

Target:
6000K

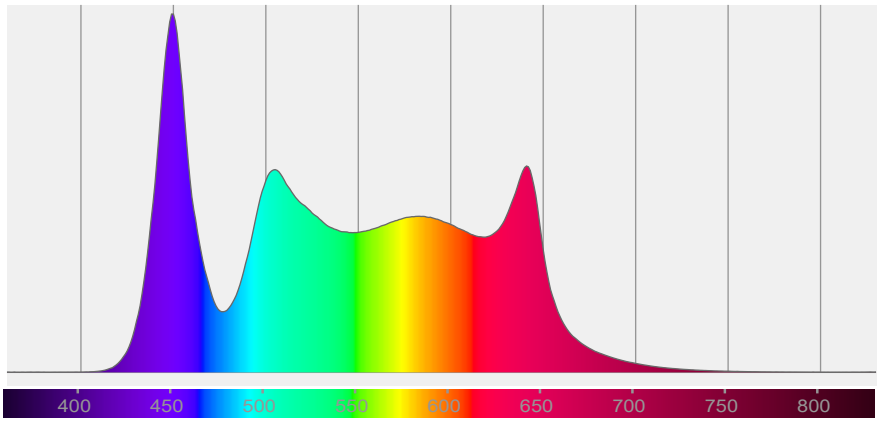
Operator:
Prolight R&D

Date and time:
8/29/2026 3:36:10 PM

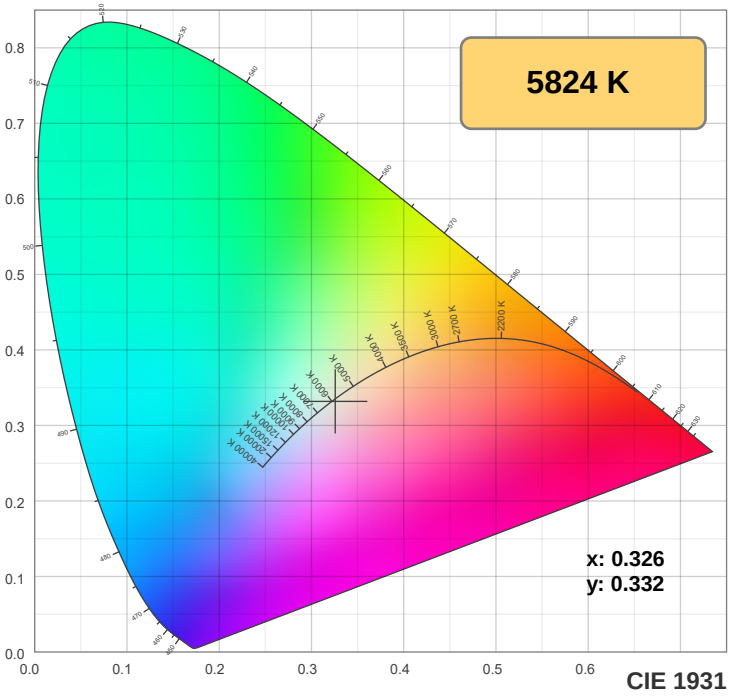


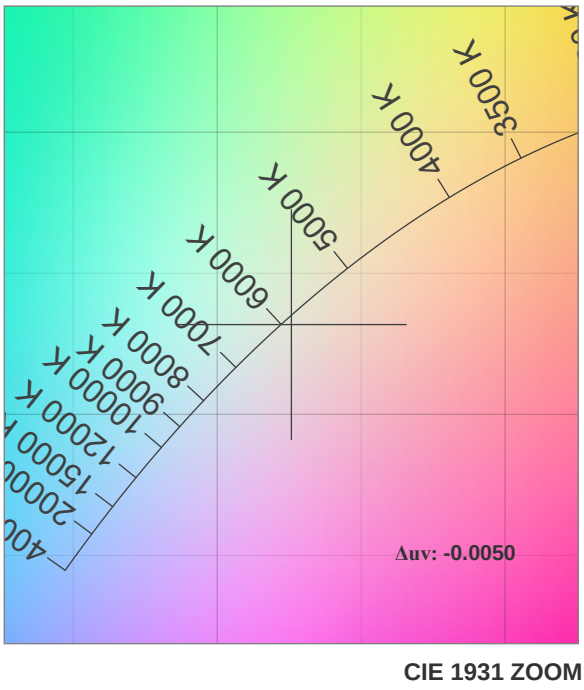
Beam angle 50%: 48.1°
Field angle 10%: 84.7°
Cut off angle 2.5%: 99.4°

Spectra

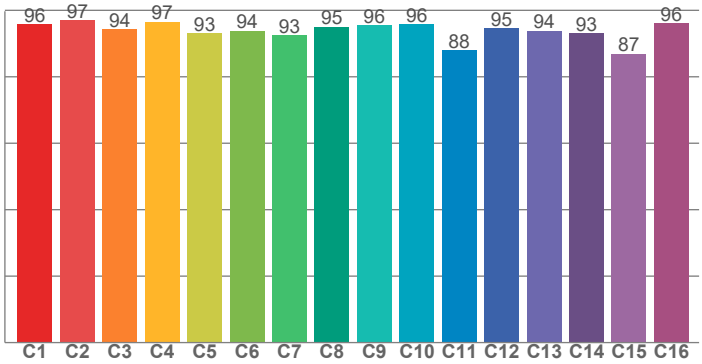


COLOR DETAILS

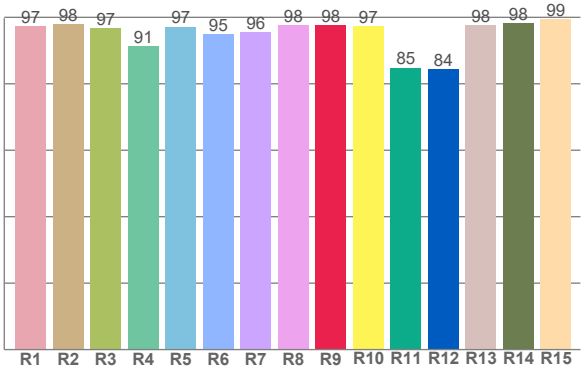




TM30: 93.7



CRI: 96.1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.4	97.9	96.7	91.3	97.2	95.0	95.6	97.5	97.6	97.3	84.8	84.4	97.8	98.3	99.4

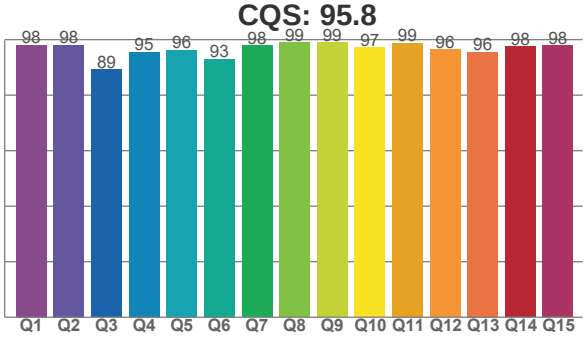
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.8	96.9	94.2	96.6	93.1	93.9	92.5	95.0	95.5	95.8	88.0	94.5	93.9	93.1	86.9	96.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.1	98.1	89.2	95.5	96.3	93.0	97.9	99.0	99.0	97.3	98.8	96.4	95.5	97.6	98.0

CQS: 95.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5824 K	96.1	97.6	93.7	104.3	95.8	92	0.326	0.332	-0.0050

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TM30 DETAILS

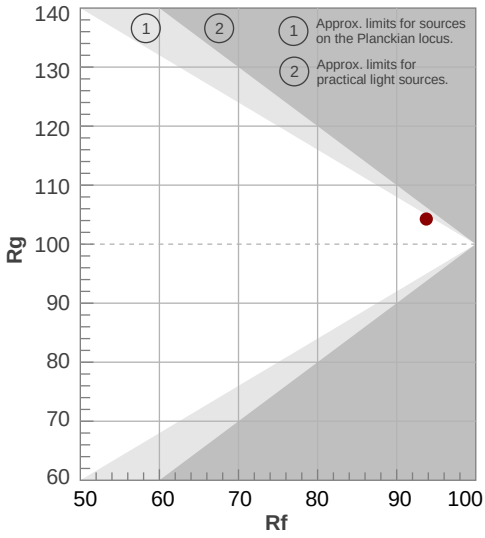
Rf 93.7

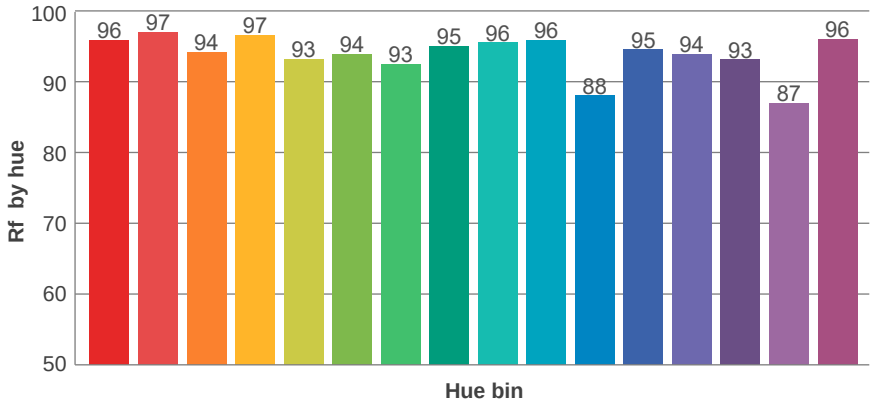
Fidelity index Rf

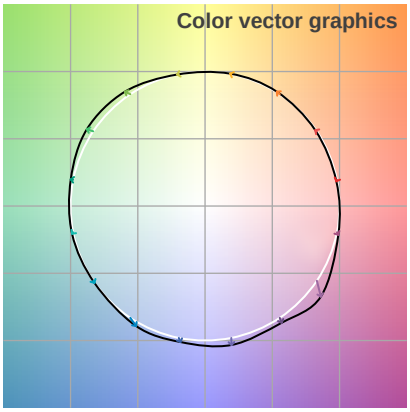
Rg 104.3

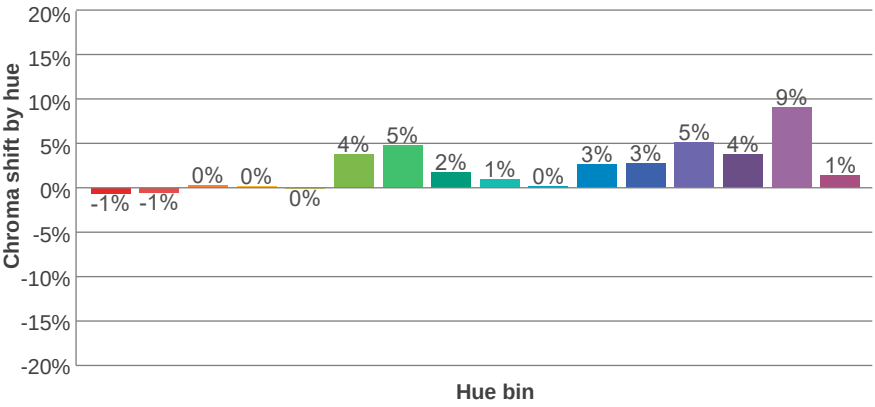
Gammut index Rg

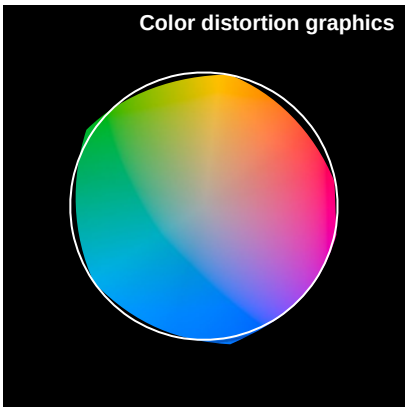
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	96	-1%	-1%
2	97	-1%	1%
3	94	0%	3%
4	97	0%	1%
5	93	0%	1%
6	94	4%	2%
7	93	5%	1%
8	95	2%	0%
9	96	1%	1%
10	96	0%	2%
11	88	3%	7%
12	95	3%	2%
13	94	5%	-1%
14	93	4%	-1%
15	87	9%	-8%
16	96	1%	-2%

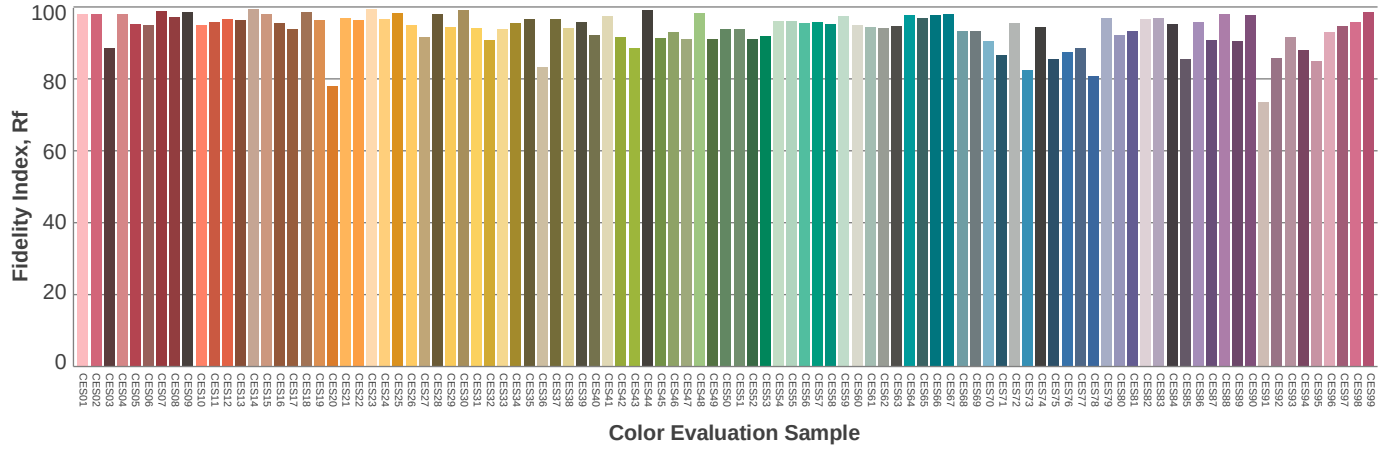












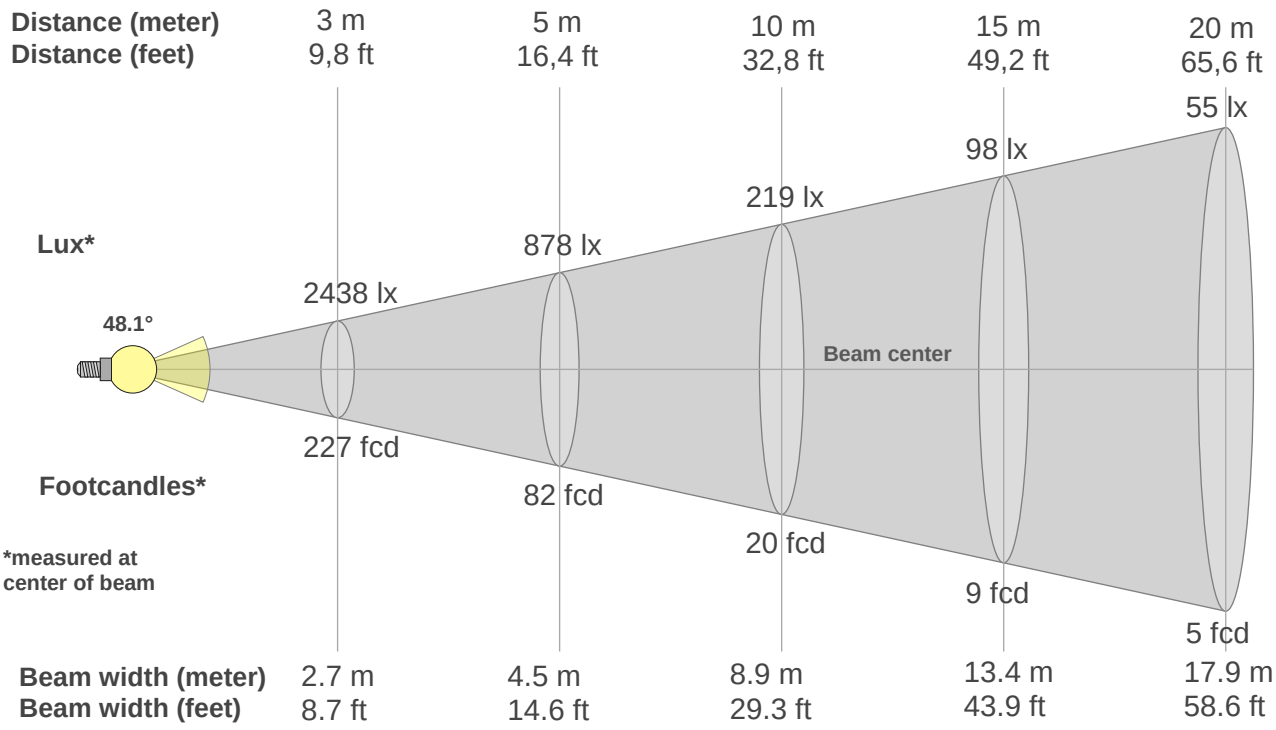
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BEAM DETAILS

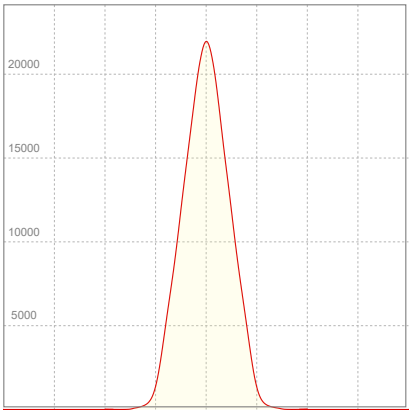
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.1°	84.7°	99.4°	99.5%	95.9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	21943lx	5486lx	2438lx	1371lx	878lx	390lx	219lx	98lx	55lx	35lx	24lx	14lx	9lx
Footcand.	2039fcd	510fcd	227fcd	127fcd	82fcd	36fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0.9m	1.8m	2.7m	3.6m	4.5m	6.7m	8.9m	13.4m	17.9m	22.3m	26.8m	35.7m	44.6m
Beam wid.	2.9ft	5.9ft	8.7ft	11.7ft	14.6ft	22ft	29.3ft	43.9ft	58.6ft	73.2ft	87.9ft	117.1ft	146.4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1.40A	302.4W	0.96	53lm/W

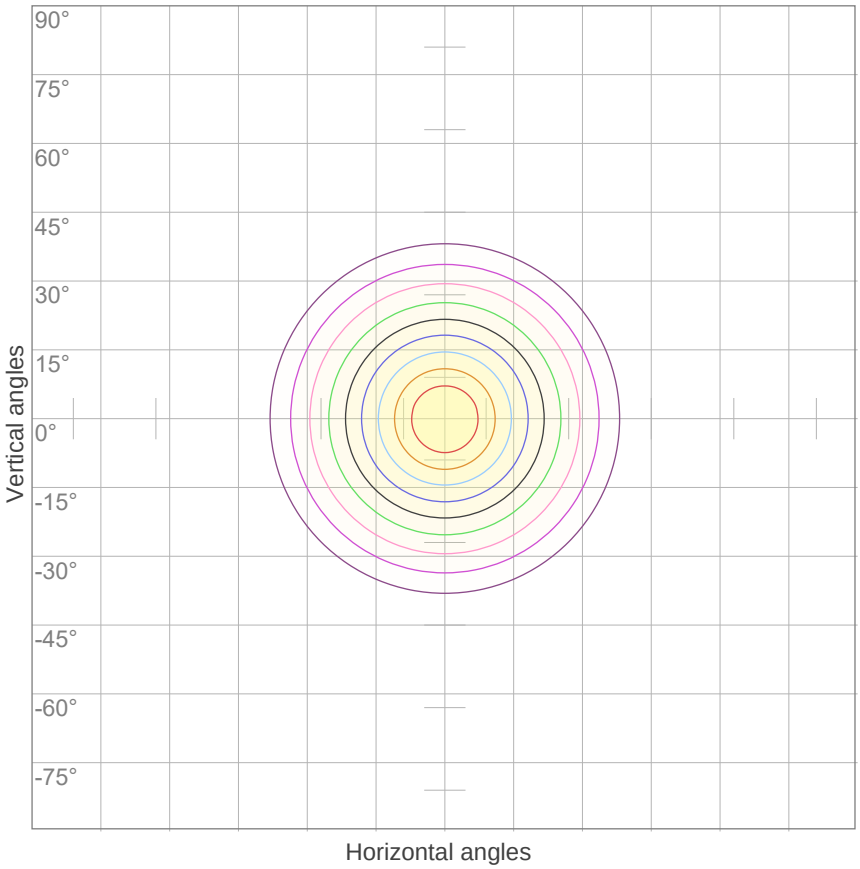
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



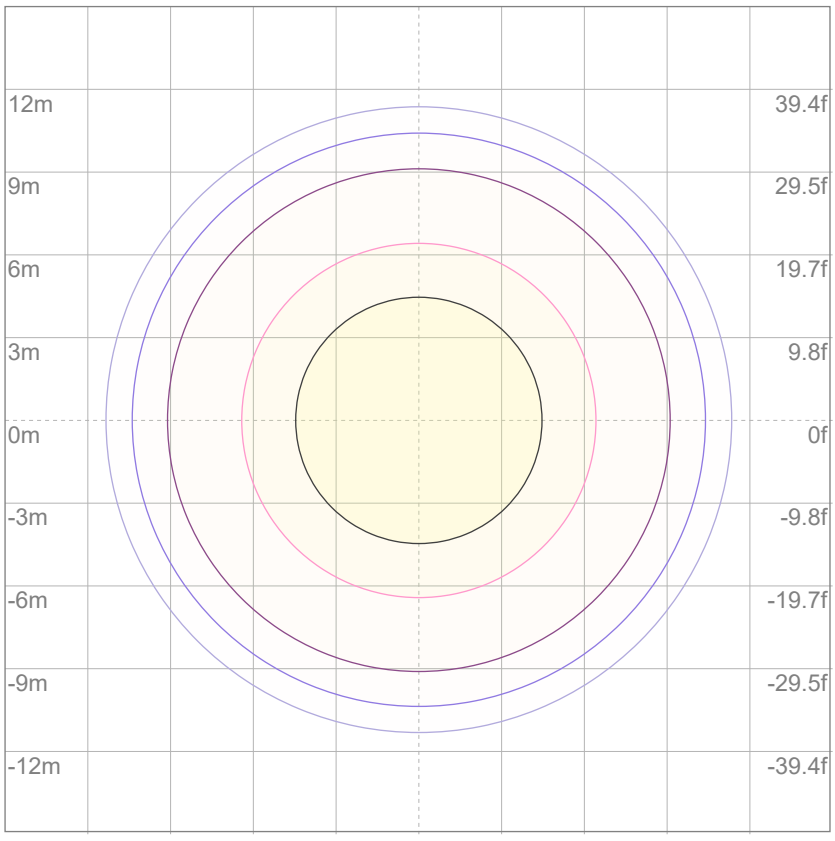
10%	2194 cd
20%	4389 cd
30%	6583 cd
40%	8777 cd
50%	10972 cd
60%	13166 cd
70%	15360 cd
80%	17555 cd
90%	19749 cd

Conditions:

Number of c-planes: 2

Candela at center: 21943 cd

ISO LUX DIAGRAM



3%	6.58 lx
5%	11.0 lx
10%	21.9 lx
30%	65.8 lx
50%	110 lx

Conditions:

Number of c-planes: 2

Lux at center: 219 lx

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

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Total lumen output:

14830 lm

Peak candela output:

72209 cd

Light quality:

CRI: 96.1

Color temperature:

5830 K

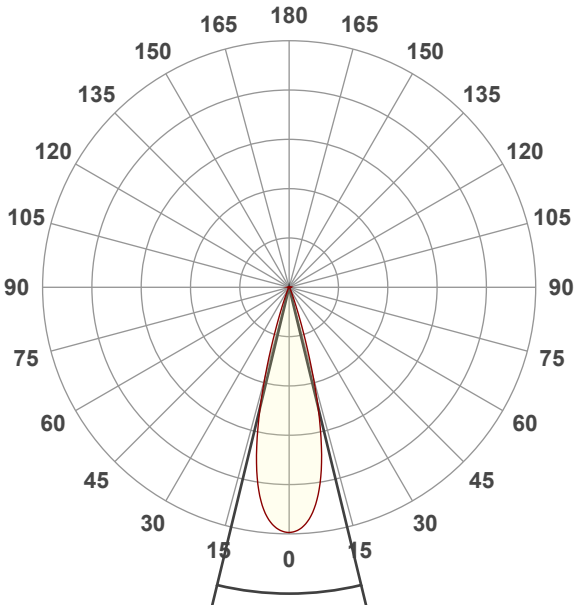
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Med Zoom

Target:
6000K

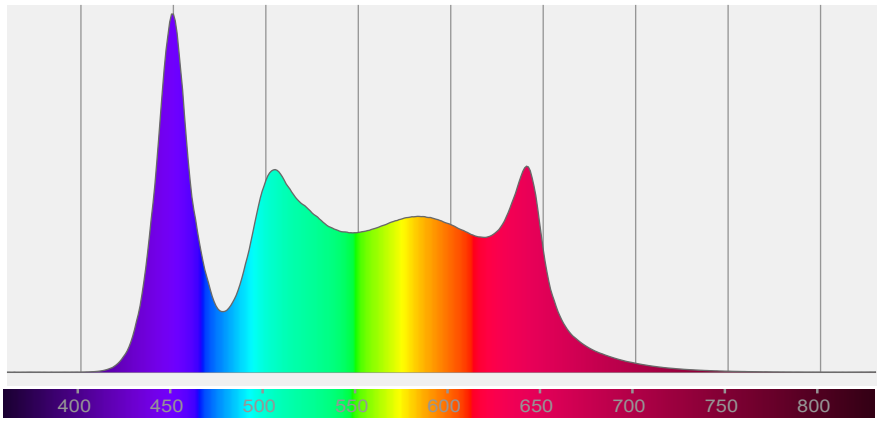
Operator:
Prolight R&D

Date and time:
8/29/2026 2:59:49 PM



Beam angle 50%: 27.2°
Field angle 10%: 39°
Cut off angle 2.5%: 48.7°

Spectra

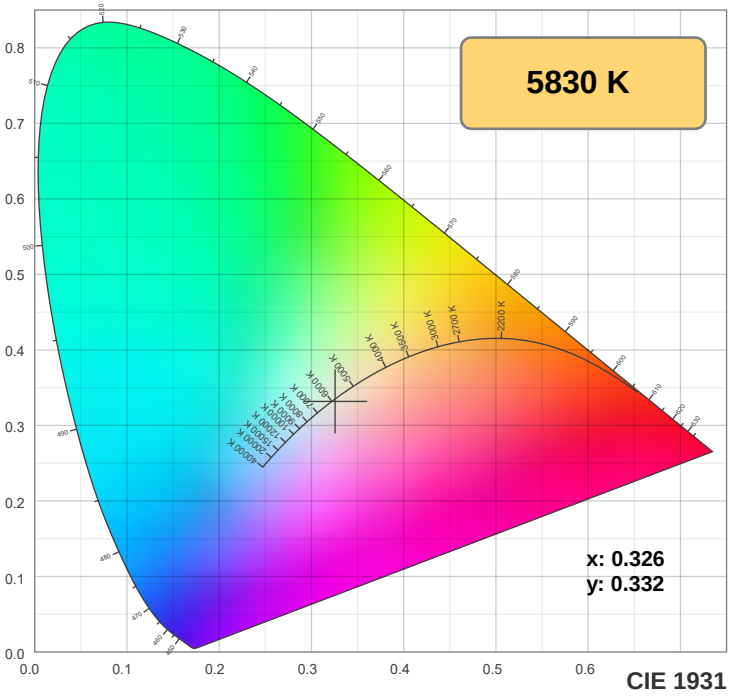


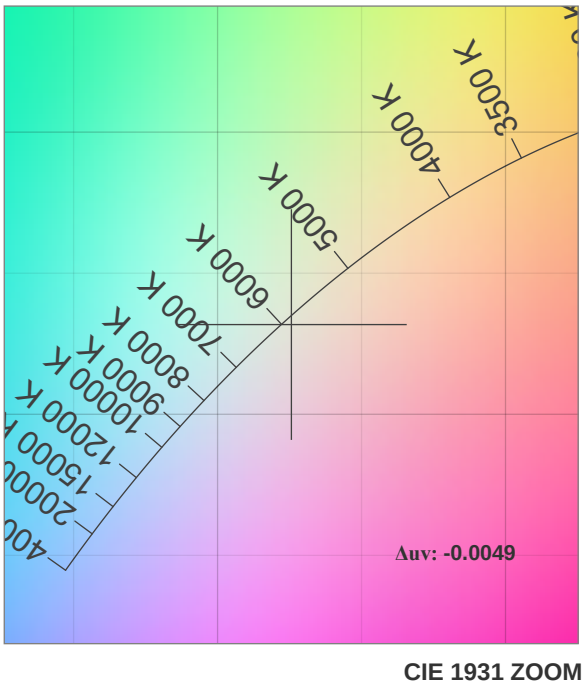
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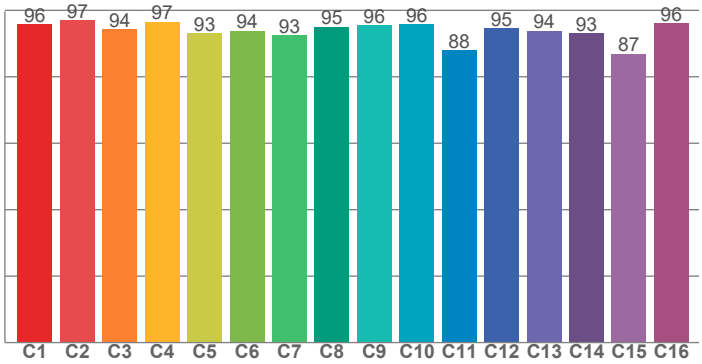
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COLOR DETAILS

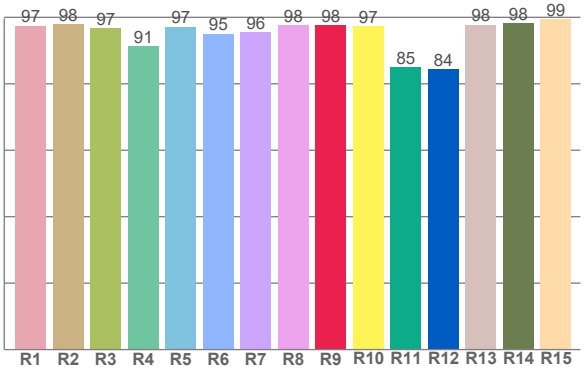




TM30: 93.8



CRI: 96.1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.5	97.9	96.7	91.3	97.2	95.1	95.6	97.5	97.6	97.3	84.9	84.3	97.8	98.3	99.4

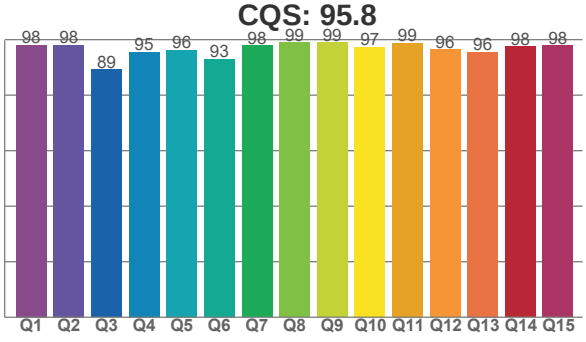
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.9	94.2	96.6	93.1	93.9	92.5	95.1	95.5	95.8	88.0	94.5	93.9	93.1	86.9	96.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.1	98.1	89.2	95.5	96.3	93.1	97.9	99.0	99.0	97.3	98.8	96.4	95.5	97.6	98.0

CQS: 95.8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5830 K	96.1	97.6	93.8	104.2	95.8	92	0.326	0.332	-0.0049

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TM30 DETAILS

PROLiGHTS

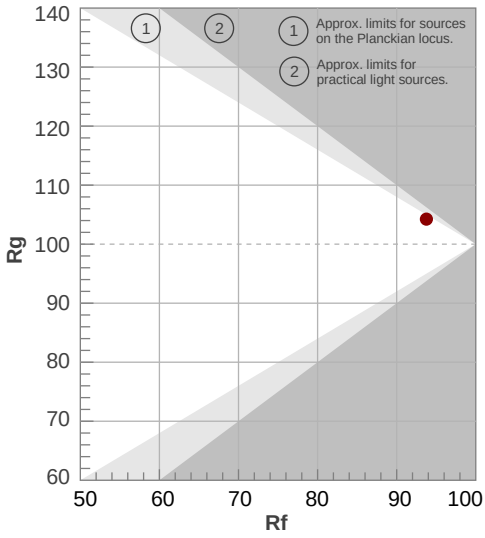
Rf 93.8

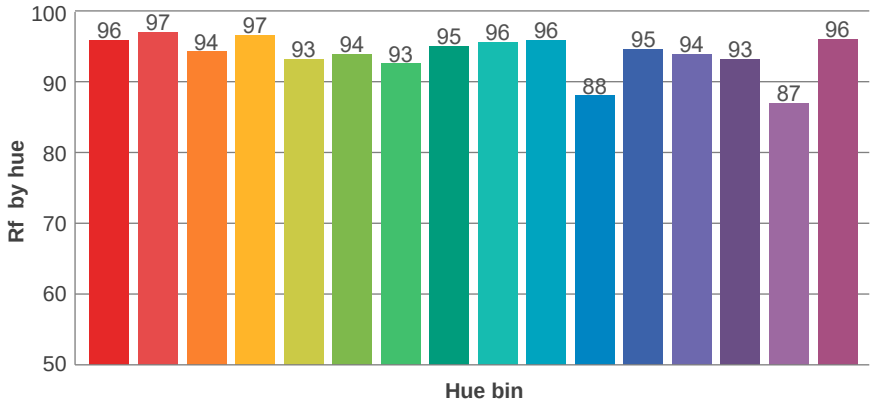
Fidelity index Rf

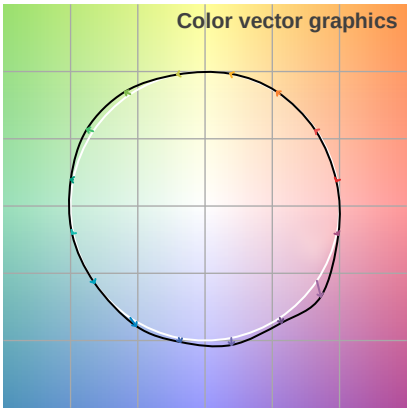
Rg 104.2

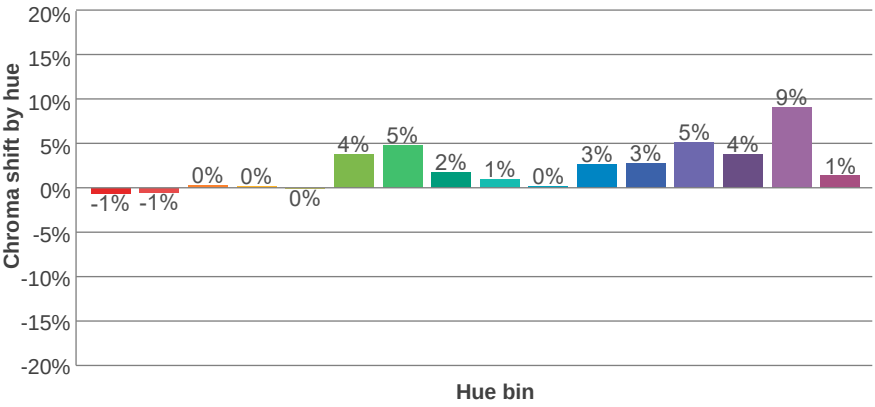
Gammut index Rg

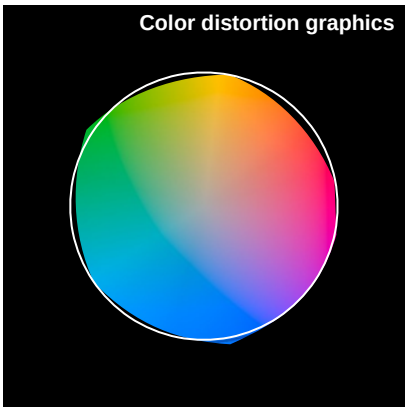
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	97	-1%	1%
3	94	0%	3%
4	97	0%	1%
5	93	0%	1%
6	94	4%	2%
7	93	5%	1%
8	95	2%	0%
9	96	1%	1%
10	96	0%	2%
11	88	3%	7%
12	95	3%	2%
13	94	5%	-1%
14	93	4%	-1%
15	87	9%	-8%
16	96	1%	-2%

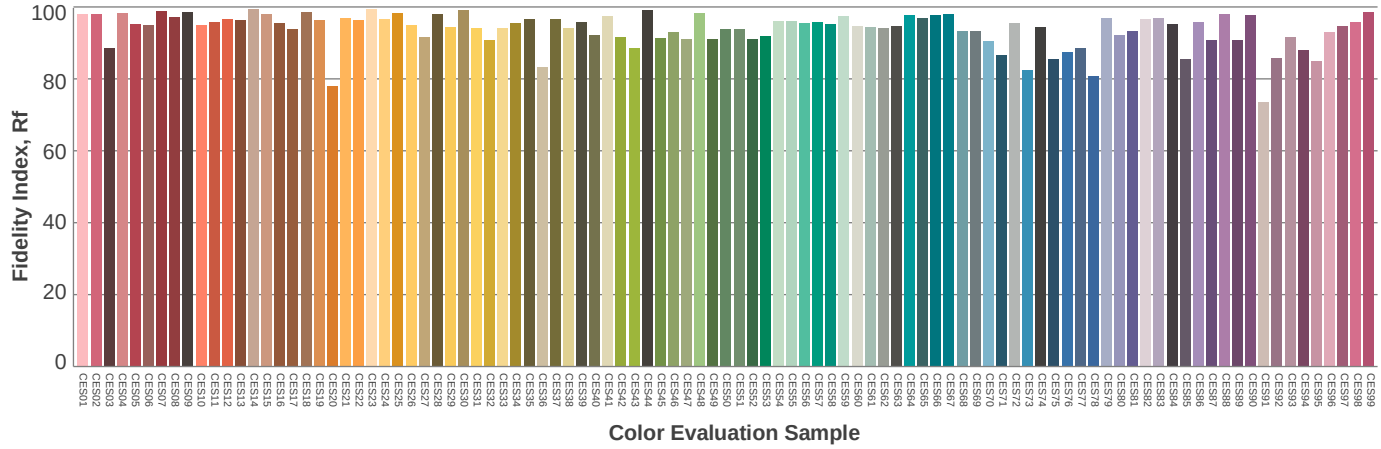












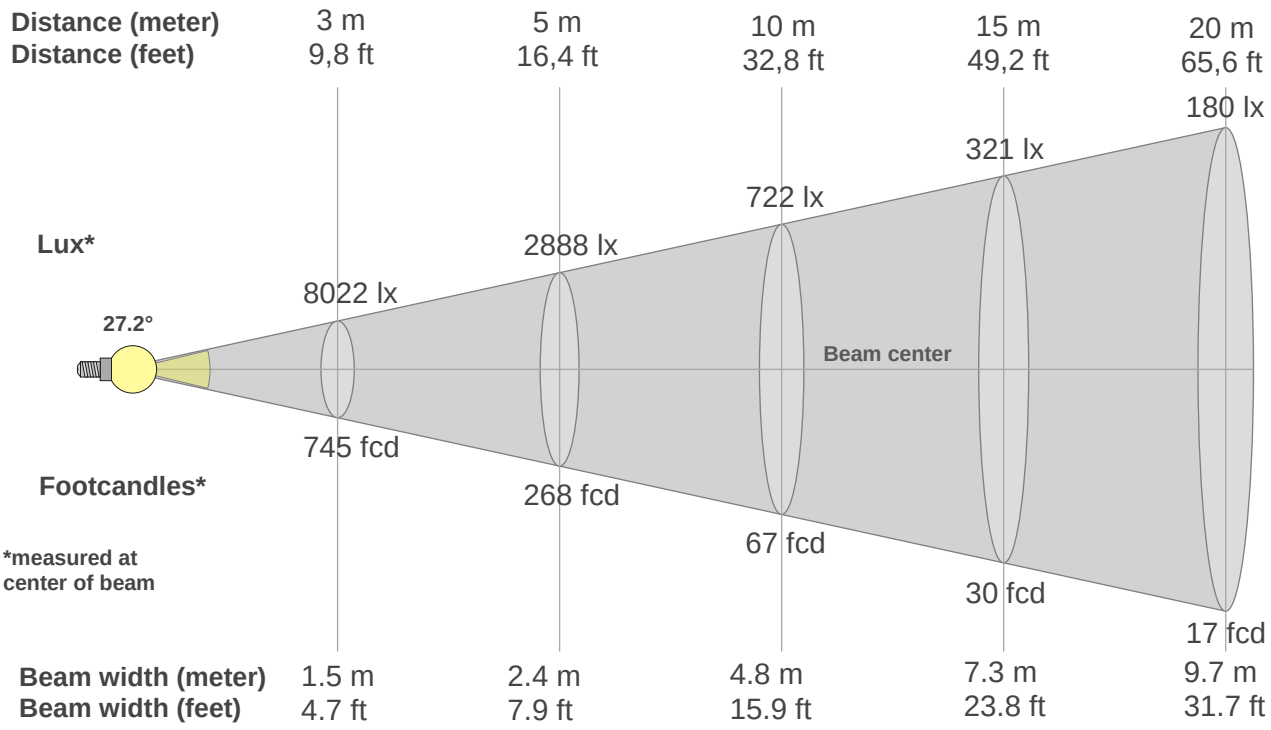
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BEAM DETAILS

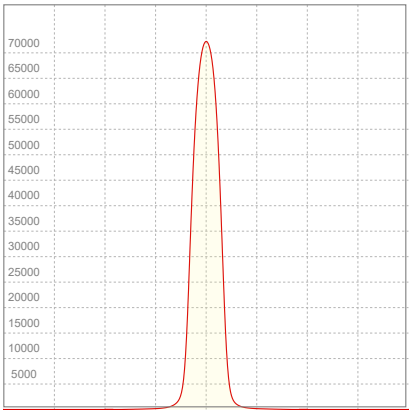
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.2°	39°	48.7°	99.6%	98.6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	72199lx	18050lx	8022lx	4512lx	2888lx	1284lx	722lx	321lx	180lx	116lx	80lx	45lx	29lx
Footcand.	6707fcd	1677fcd	745fcd	419fcd	268fcd	119fcd	67fcd	30fcd	17fcd	11fcd	7fcd	4fcd	3fcd
Beam wid.	0.5m	1m	1.5m	1.9m	2.4m	3.6m	4.8m	7.3m	9.7m	12.1m	14.5m	19.4m	24.2m
Beam wid.	1.6ft	3.2ft	4.7ft	6.3ft	7.9ft	11.9ft	15.9ft	23.8ft	31.7ft	39.7ft	47.6ft	63.5ft	79.3ft

LINEAR DISTRIBUTION DIAGRAM

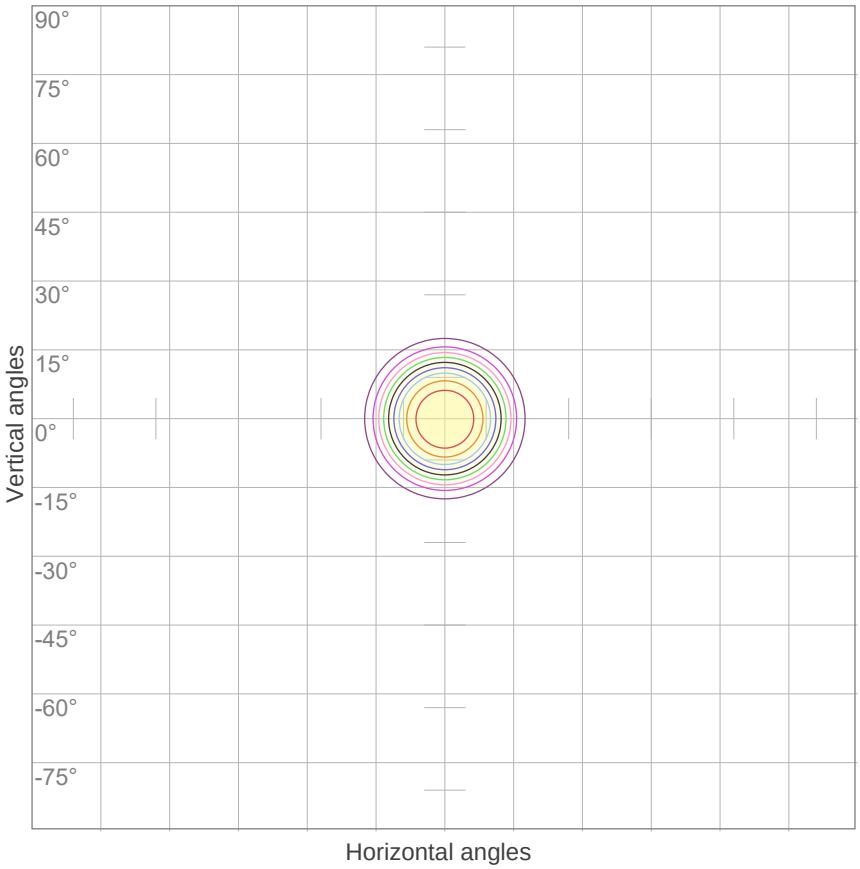


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1.41A	302.4W	0.96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



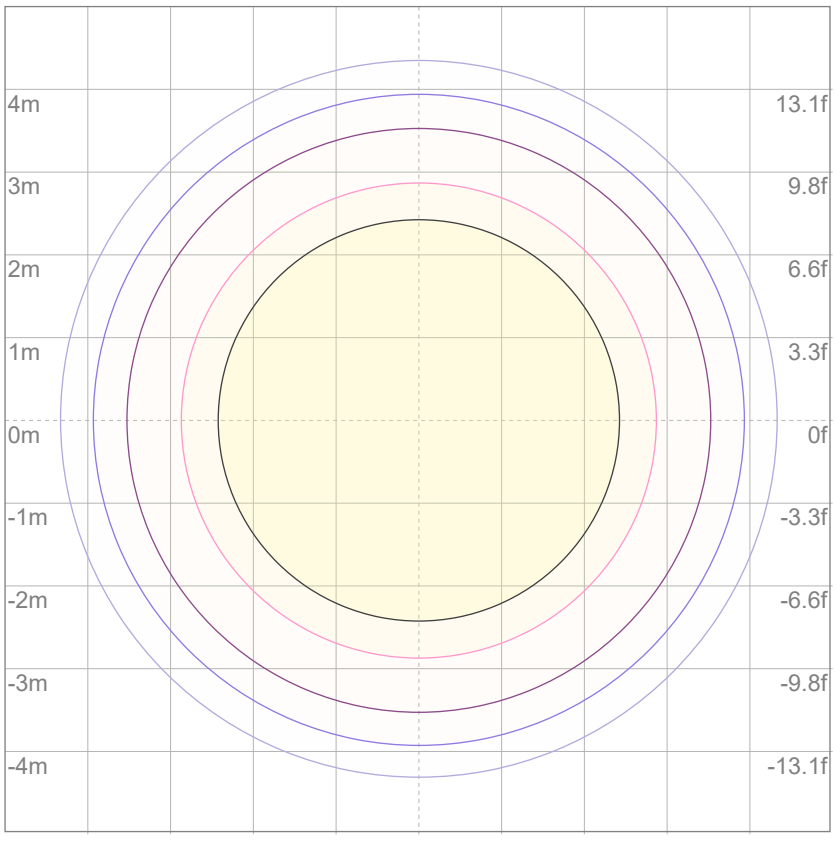
10%	7220 cd
20%	14440 cd
30%	21660 cd
40%	28879 cd
50%	36099 cd
60%	43319 cd
70%	50539 cd
80%	57759 cd
90%	64979 cd

Conditions:

Number of c-planes: 2

Candela at center: 72199 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	21.7 lx
5%	36.1 lx
10%	72.2 lx
30%	217 lx
50%	361 lx

Conditions:

Number of c-planes: 2

Lux at center: 722 lx

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

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Total lumen output:

10293 lm

Peak candela output:

196055 cd

Light quality:

CRI: 95.9

Color temperature:

5889 K

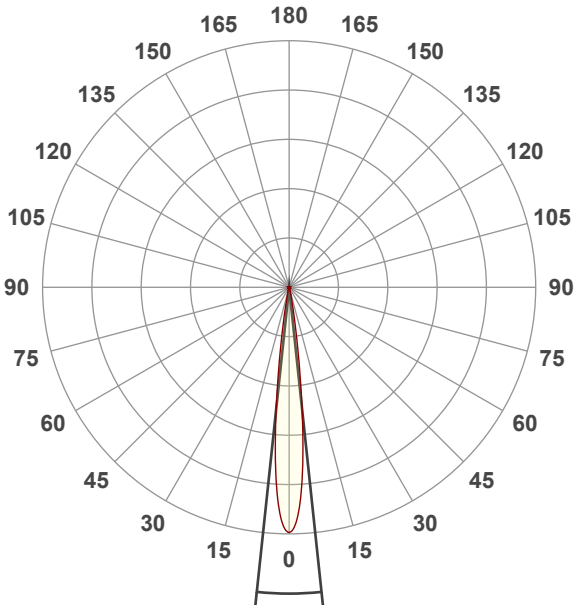
PRODUCT NAME:
POET F8

MEASUREMENT CONDITIONS:
Beam angle:
Min Zoom

Target:
6000K

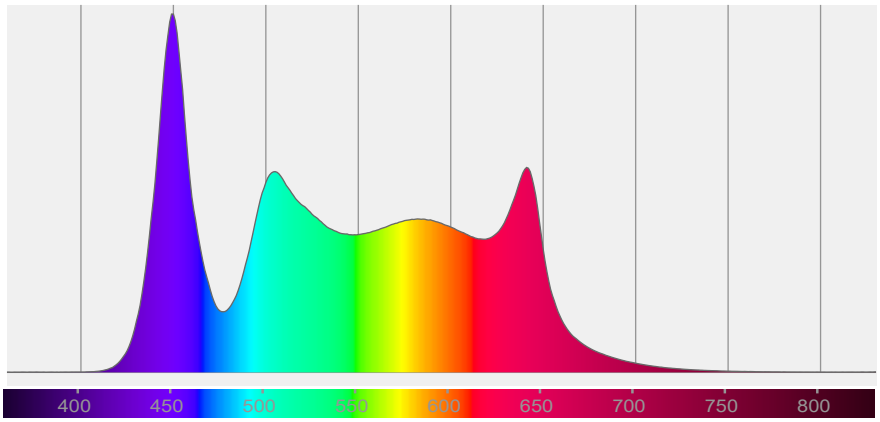
Operator:
Prolight R&D

Date and time:
8/29/2026 1:53:33 PM



Beam angle 50%: 12.1°
Field angle 10%: 20.3°
Cut off angle 2.5%: 27.7°

Spectra

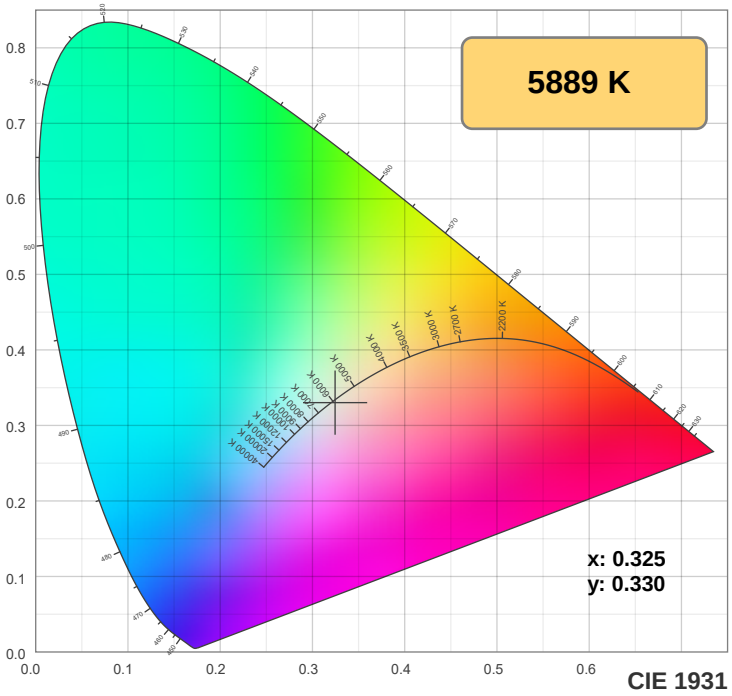


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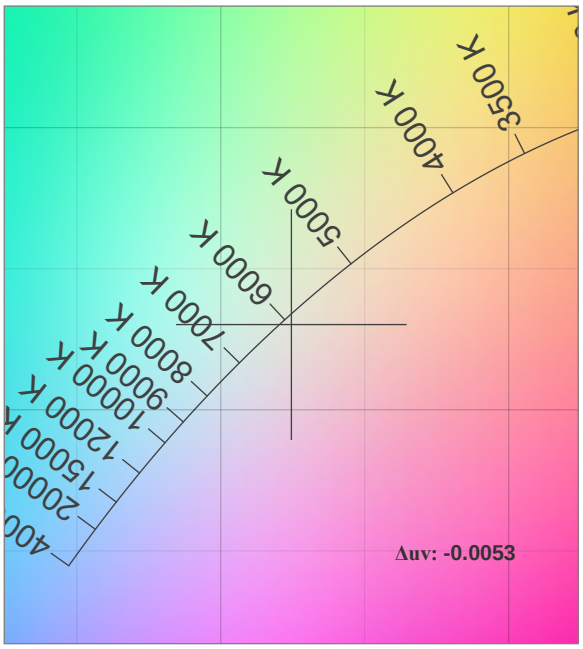
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COLOR DETAILS

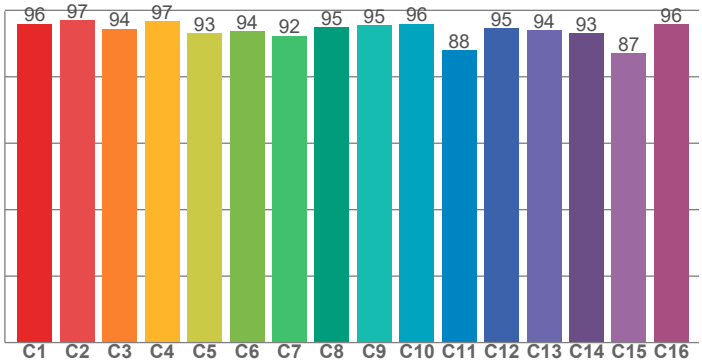


CIE 1931

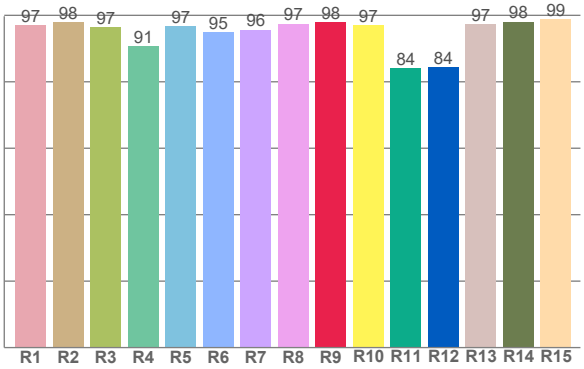


CIE 1931 ZOOM

TM30: 93.7



CRI: 95.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.0	97.9	96.5	90.7	96.7	95.0	95.7	97.5	97.9	97.1	84.1	84.5	97.4	98.1	99.0

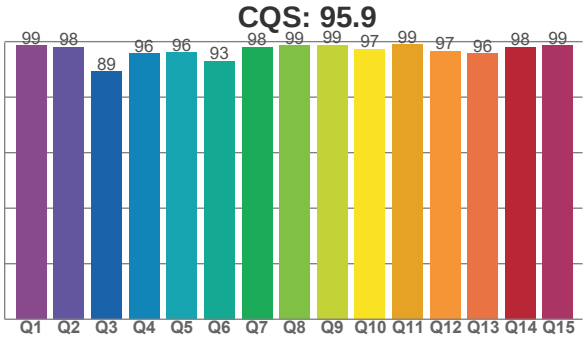
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	97.0	94.4	96.6	93.1	93.7	92.3	94.8	95.4	95.9	88.0	94.5	94.0	93.0	87.0	95.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.5	98.0	89.2	95.7	96.1	93.0	98.1	98.7	98.8	97.3	99.0	96.7	95.7	98.1	98.6

CQS: 95.9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5889 K	95.9	97.9	93.7	104.5	95.9	92	0.325	0.330	-0.0053

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TM30 DETAILS

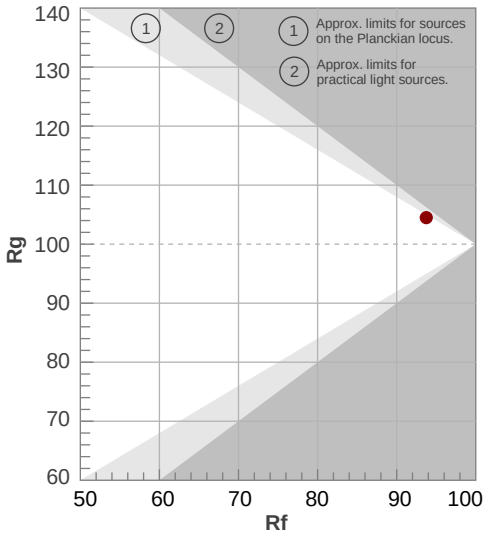
Rf 93.7

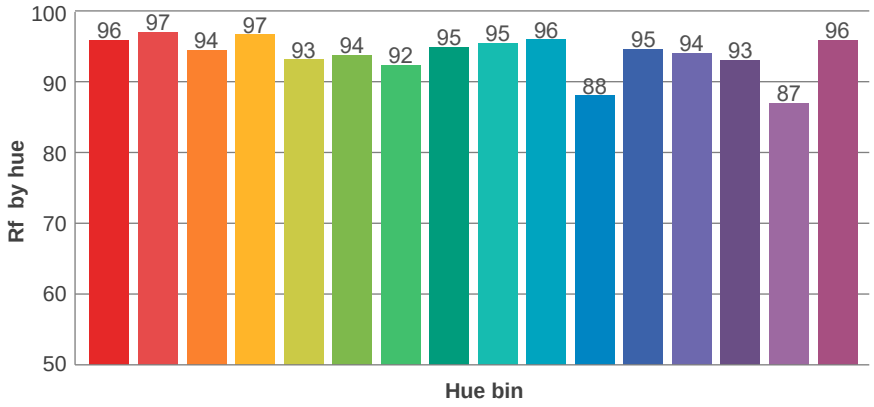
Fidelity index Rf

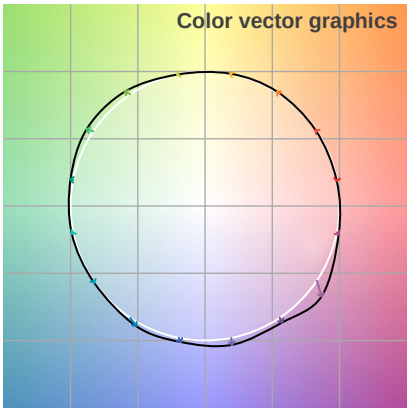
Rg 104.5

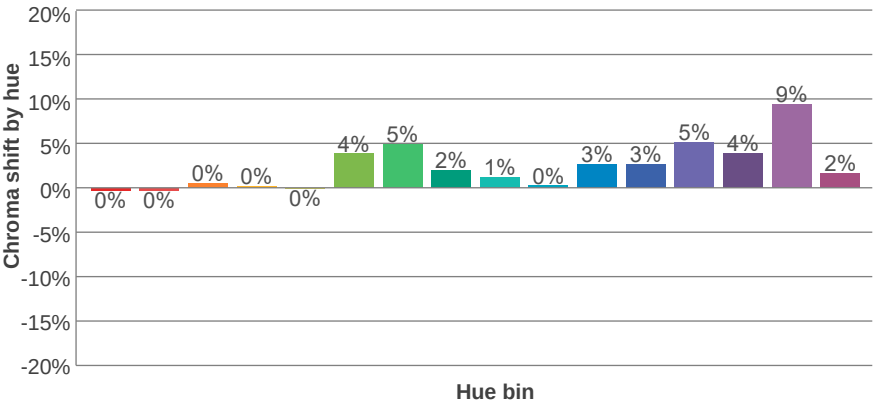
Gammut index Rg

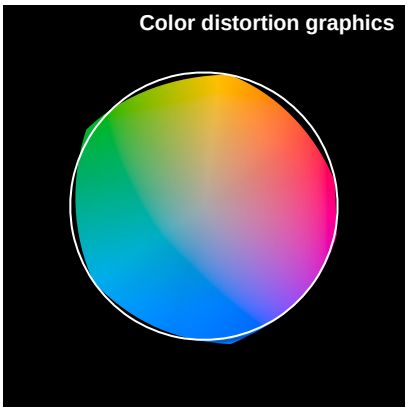
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	-1%
2	97	0%	1%
3	94	0%	3%
4	97	0%	1%
5	93	0%	1%
6	94	4%	2%
7	92	5%	1%
8	95	2%	0%
9	95	1%	1%
10	96	0%	2%
11	88	3%	7%
12	95	3%	2%
13	94	5%	0%
14	93	4%	0%
15	87	9%	-8%
16	96	2%	-1%

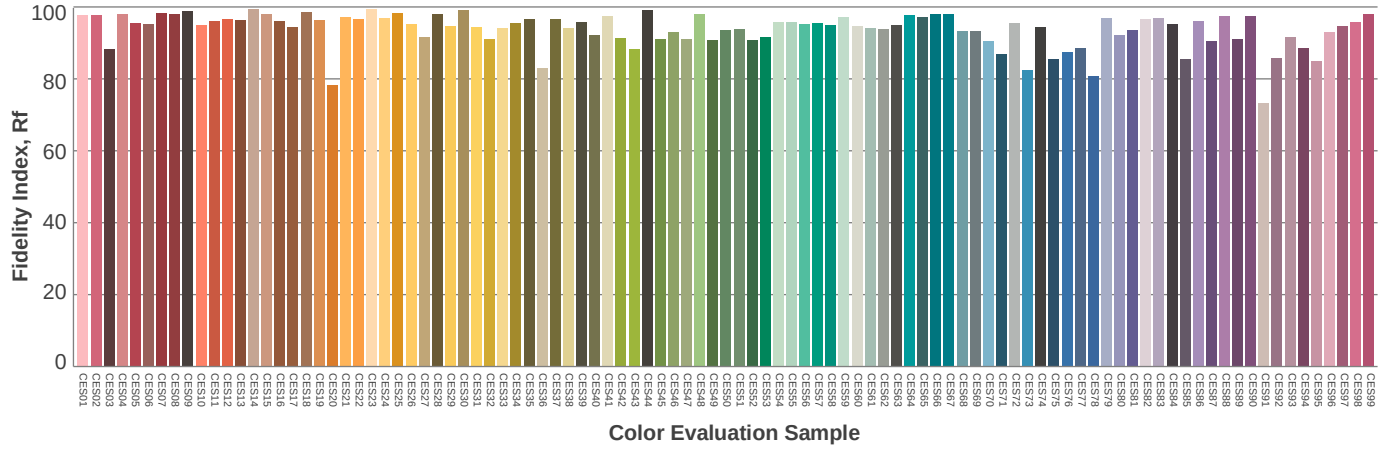












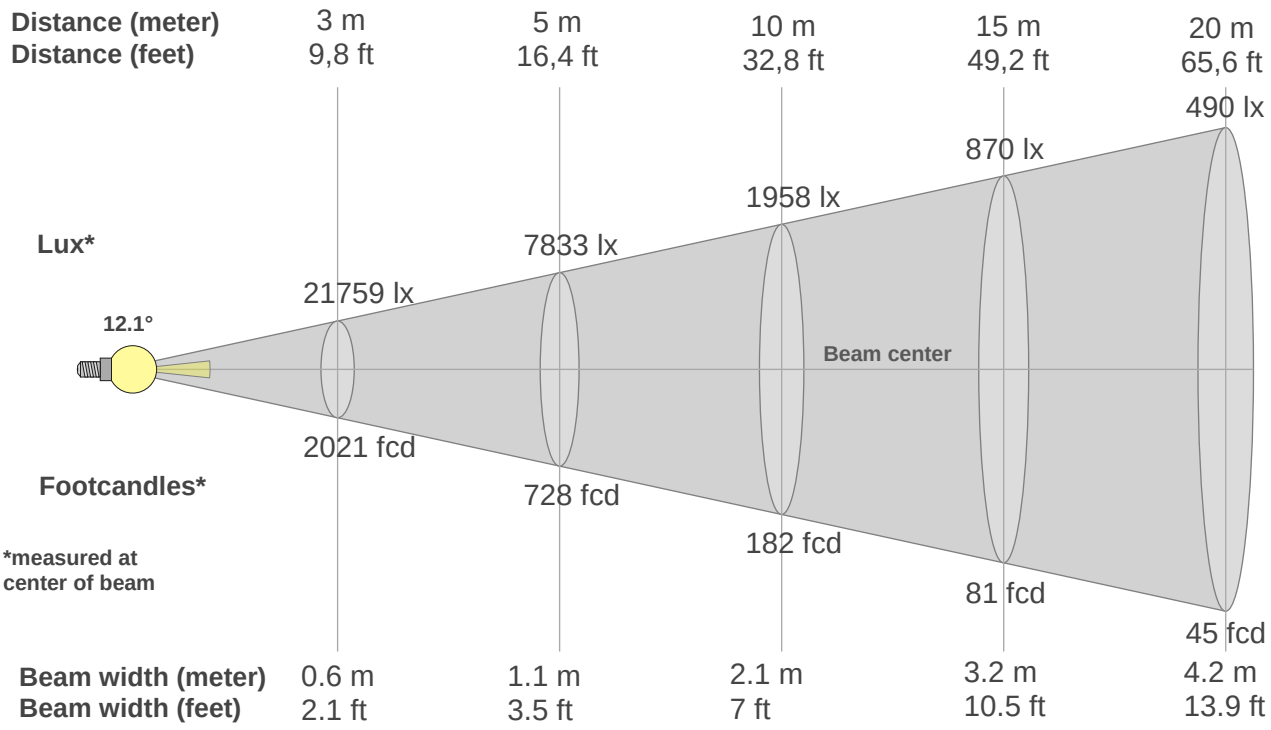
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BEAM DETAILS

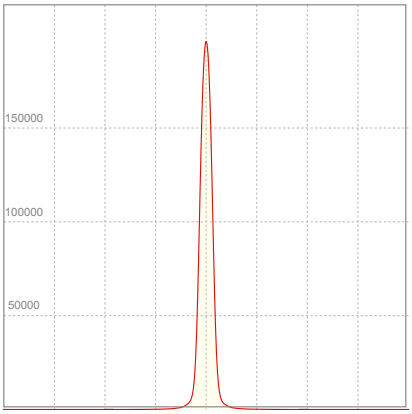
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.1°	20.3°	27.7°	99.6%	98.5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	195830lx	48958lx	21759lx	12239lx	7833lx	3481lx	1958lx	870lx	490lx	313lx	218lx	122lx	78lx
Footcand.	18193fcd	4548fcd	2021fcd	1137fcd	728fcd	323fcd	182fcd	81fcd	45fcd	29fcd	20fcd	11fcd	7fcd
Beam wid.	0.2m	0.4m	0.6m	0.8m	1.1m	1.6m	2.1m	3.2m	4.2m	5.3m	6.4m	8.5m	10.6m
Beam wid.	0.7ft	1.4ft	2.1ft	2.8ft	3.5ft	5.2ft	7ft	10.5ft	13.9ft	17.4ft	20.9ft	27.9ft	34.8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
222V	1.42A	301.9W	0.96	34lm/W

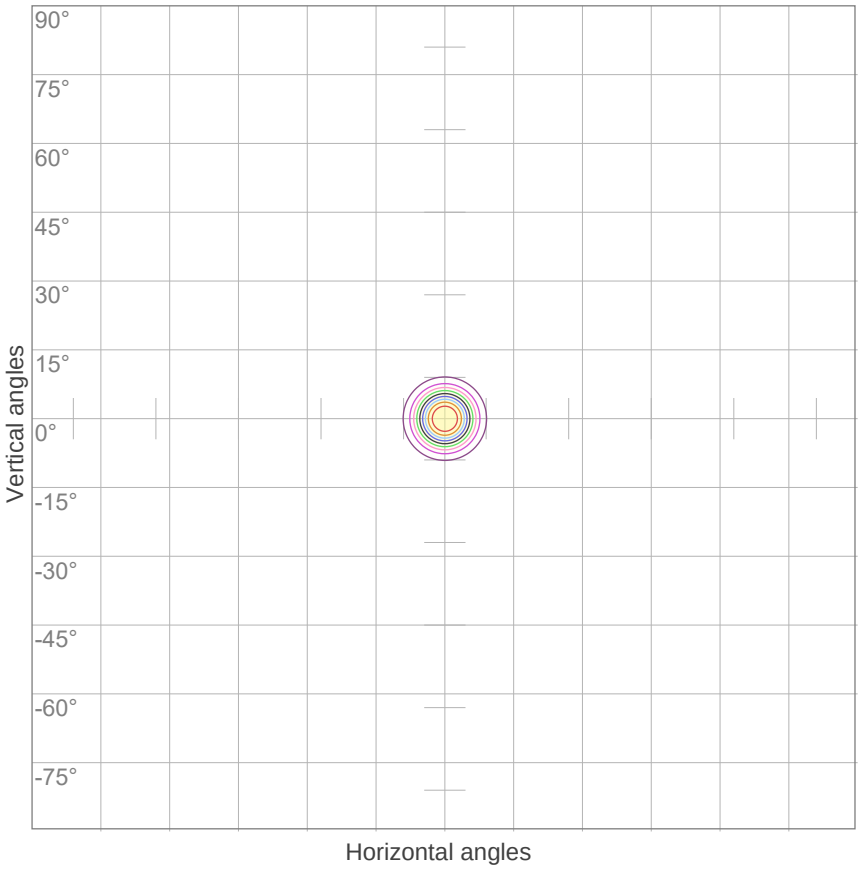
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ISO DIAGRAMS

ISO CANDELA DIAGRAM



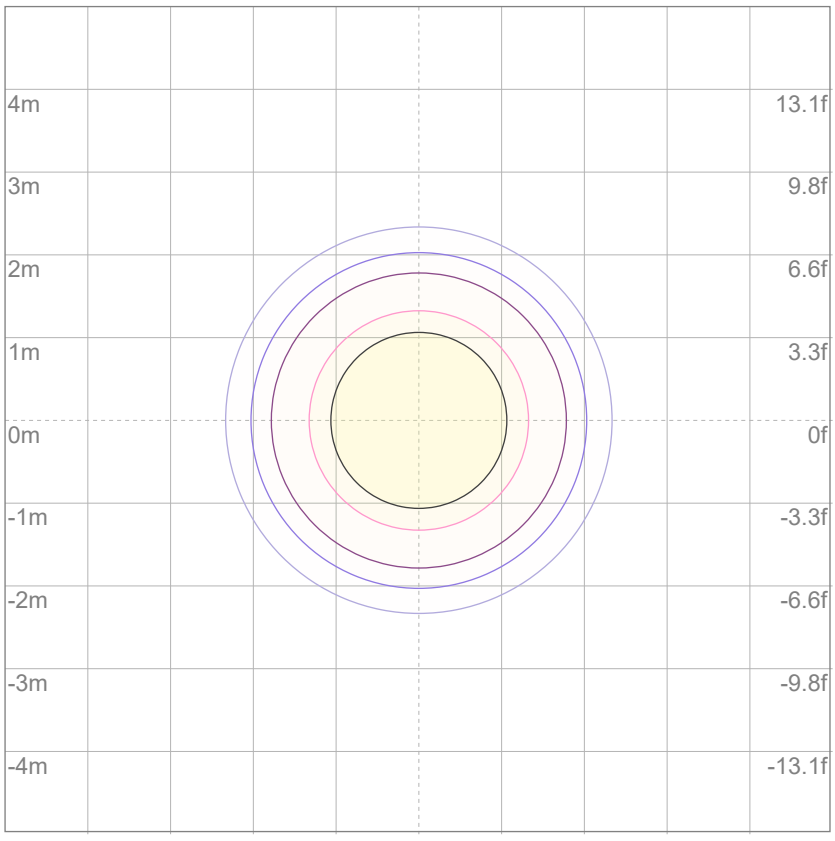
10%	19583 cd
20%	39166 cd
30%	58749 cd
40%	78332 cd
50%	97915 cd
60%	117498 cd
70%	137081 cd
80%	156664 cd
90%	176247 cd

Conditions:

Number of c-planes: 2

Candela at center: 195830 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	58.7 lx
5%	97.9 lx
10%	196 lx
30%	587 lx
50%	979 lx

Conditions:

Number of c-planes: 2

Lux at center: 1958 lx

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

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