VEROBOARD®

Name: _____

Quantity: _____

Phone: _____

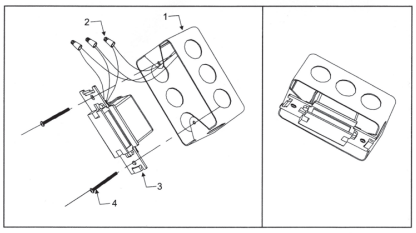
Email: _____

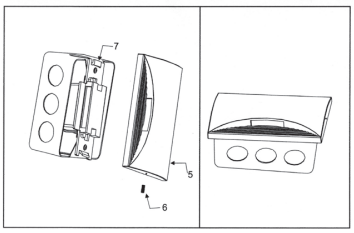
ST0130KWH
Horizontal LED Step Light

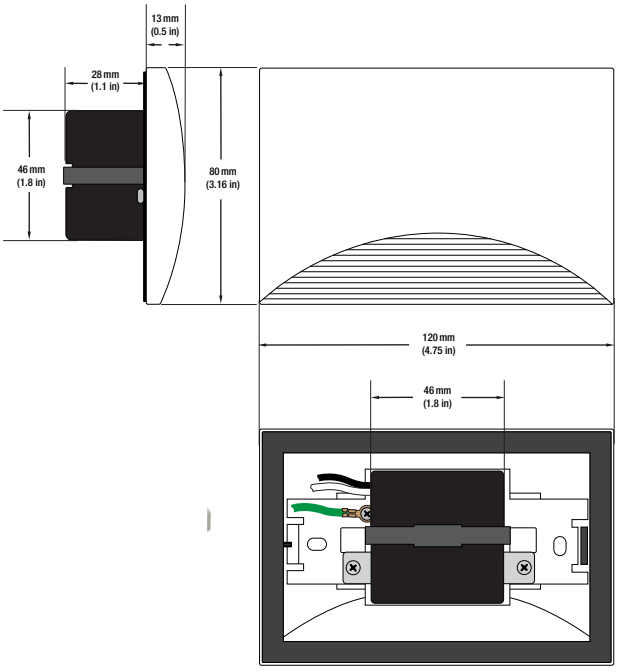
This 120V voltage recessed LED step light is ideal for walls or in steps. Recessed lights in those areas provide edge lighting that adds sleek sophistication to contemporary and modern staircases. The air gap between the housing can and the light fixture creates an insulating effect that keeps the outer can cooler.

SPECIFICATIONS

Model	ST0130KWH
Voltage	120V AC
Wattage	5W
Color Temperature	3000K (Warm White)
Brightness	75 Lumens
Rendering Index	CRI>90
LED Type	Integrated LED
Engine Material	PVC
Face Plate Material	Die-Cast Aluminum
Face Plate Color	White
Rated Life	50,000 Hours
Beam Angle	70º
Dimmable	Yes (Triac Dimming)
Installation	Outlet Box Recessed
IP Rating	IP65 (Wet Locations)
Outer Dimensions	120 x 80 x 13 mm x (4.7 x 3.16 x 0.5 in)
Outlet Box Dimensions	46 x 46 x 28 mm (1.8 x 1.8 x 1.1 in)
Package Dimensions	135 x 87 x 50 mm (5.3 x 3.4 x 2 in)
Package Weight	0.250 Kg
Certification	FCC/ETL/Energy Star/RoHS







Included Content:

- 1x Step Light
- 1x Installation Instruction Manual
- 3x Wire Connectors
- 2x Mounting Screws
- 1x Hexagon Socket Screw
- 1x Allen Key

Safety and Warning

The fixture must be wired in accordance with local and national electrical codes and standards. And all the installation must be done by a certified electrician. Please be sure the main power switch is OFF before the installation, inspection, or removal. It is strictly necessary to ground the outlet box properly. Furthermore, the integrated LEDs in the light fixture can not be replaced.

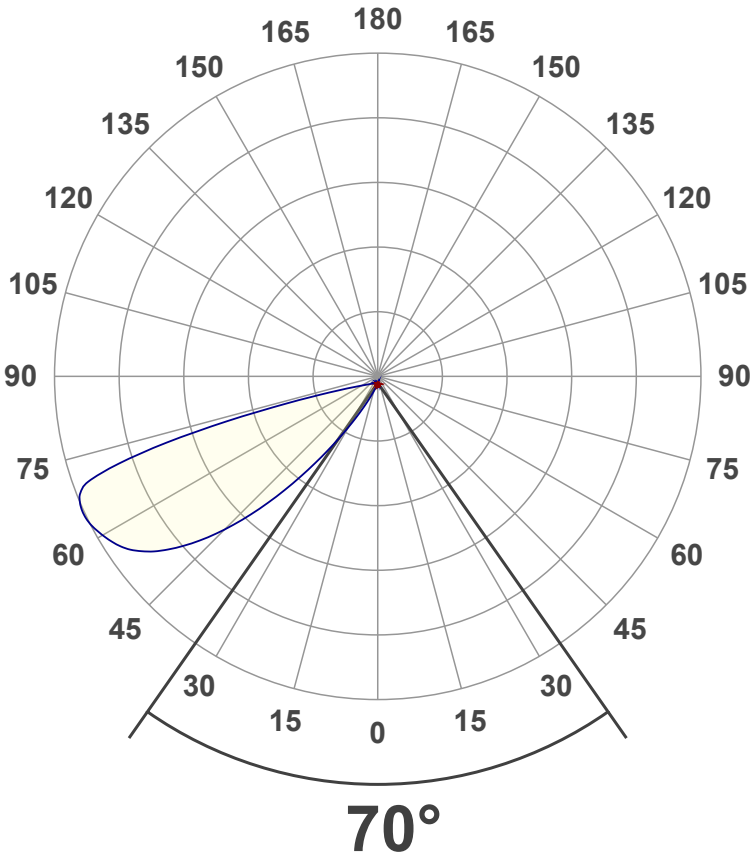
SKU: 666561426590

Light Measurement Report

Print date: 2023-02-01
Measurement date and time: 2023-02-01 12:24:28 PM – Measurement no. VFR-230201-0035-MS

VERO LAB POWERED BY VISO SYSTEMS

Luminous Intensity diagram Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	75.0 lm
Lumen Up% / Down%	0.08% / 99.92%
Peak Intensity	58.4 cd
Beam Angle (50%)	70°
Beam Angle (90%)	32.9°
Beam Angle (10%)	108.1°

Cut-off Angle

Average 2,5%	104°

Field Angle

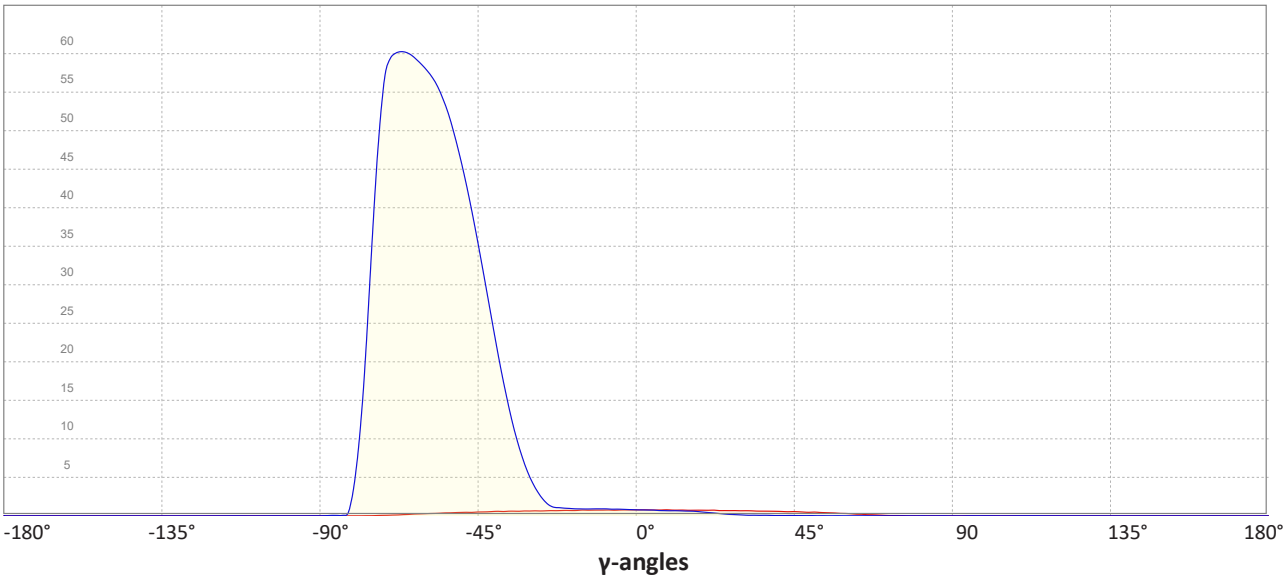
Average 10%	94.7°

Intensity Ratio

In 120° cone	47.7%
In 90° cone	12.3%

C000-C180
C090-C270

Linear distribution diagram - Intensity (candela) vs γ-angle



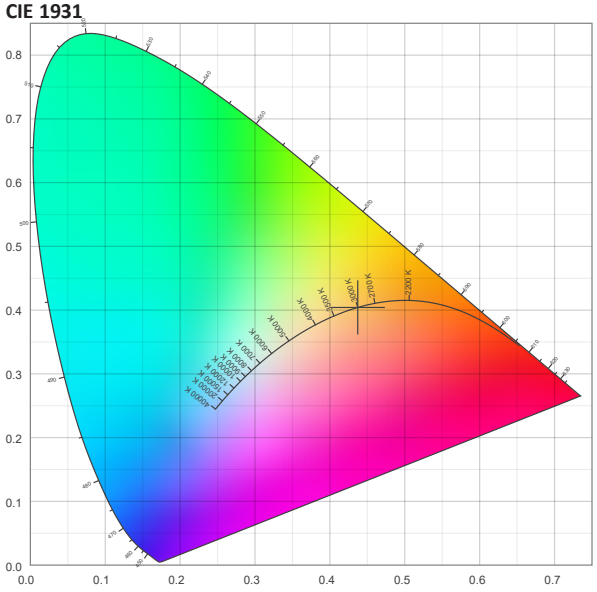
Light Measurement Report

Print date: 2023-02-01
Measurement date and time: 2023-02-01 1:13:38 PM – Measurement no. VFR-230201-0038-MS

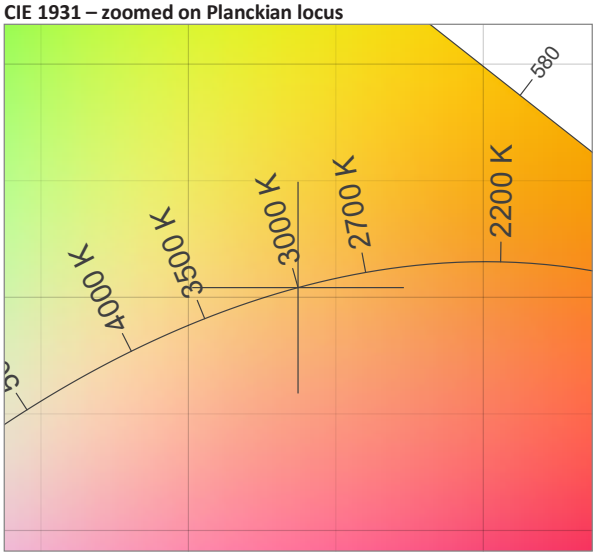
Color details

Correlated Color Temperature, Target	CCT = 3000 K
Correlated Color Temperature, Measured	CCT = 2825 K
Color Rendering Index	CRI 92.2
Color Rendering Index, R9 (red component)	R9 = 42.4
Color Rendering TM30-18	R_f 89.6 – R_g 101.3
Color Quality Scale	CQS = 88.5
MacAdam Steps	SDCM = 6.6
Color coordinates CIE 1931	(x;y) = (0.437;0.404)
Color coordinate CIEs 1960	(u;v) = (0.251;0.348)
Color deviation from BBL	Duv = -0.0032
Color coordinate CIEs 1976 (CIELUV)	(u';v') = (0.251;0.251)

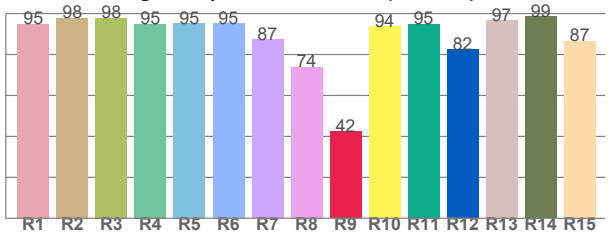
CIE 1931



CIE 1931 – zoomed on Planckian locus



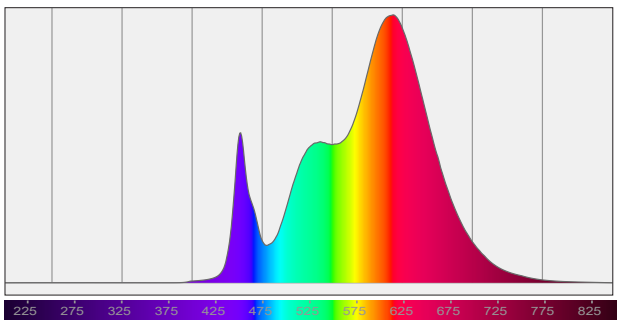
Color Rendering Index per reference color (CIE 1995)



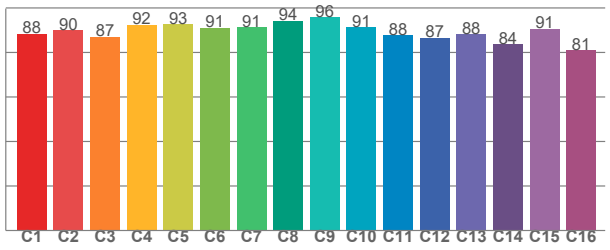
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.0	97.8	97.9	95.0	95.3	95.1	87.4	74.0	42.4	93.8	95.0	82.4	96.7	98.5	86.6

Spectral power distribution (SPD) / W/nm – 0-100%



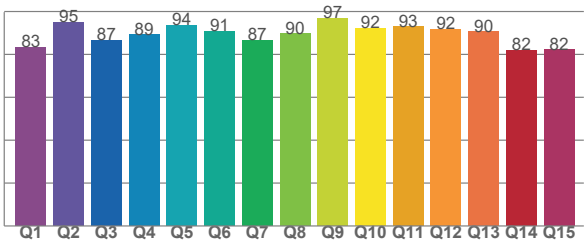
TM30-18 Rf-values per hue bin



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
88.4	90.0	87.0	92.4	92.6	91.1	91.4	94.1	95.8	91.3	87.7	86.7	88.1	83.6	90.7	80.9

Color Quality Scale by reference color



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.4	95.1	86.7	89.2	93.5	90.7	86.5	89.5	96.8	92.3	92.9	91.7	90.5	82.0	82.2

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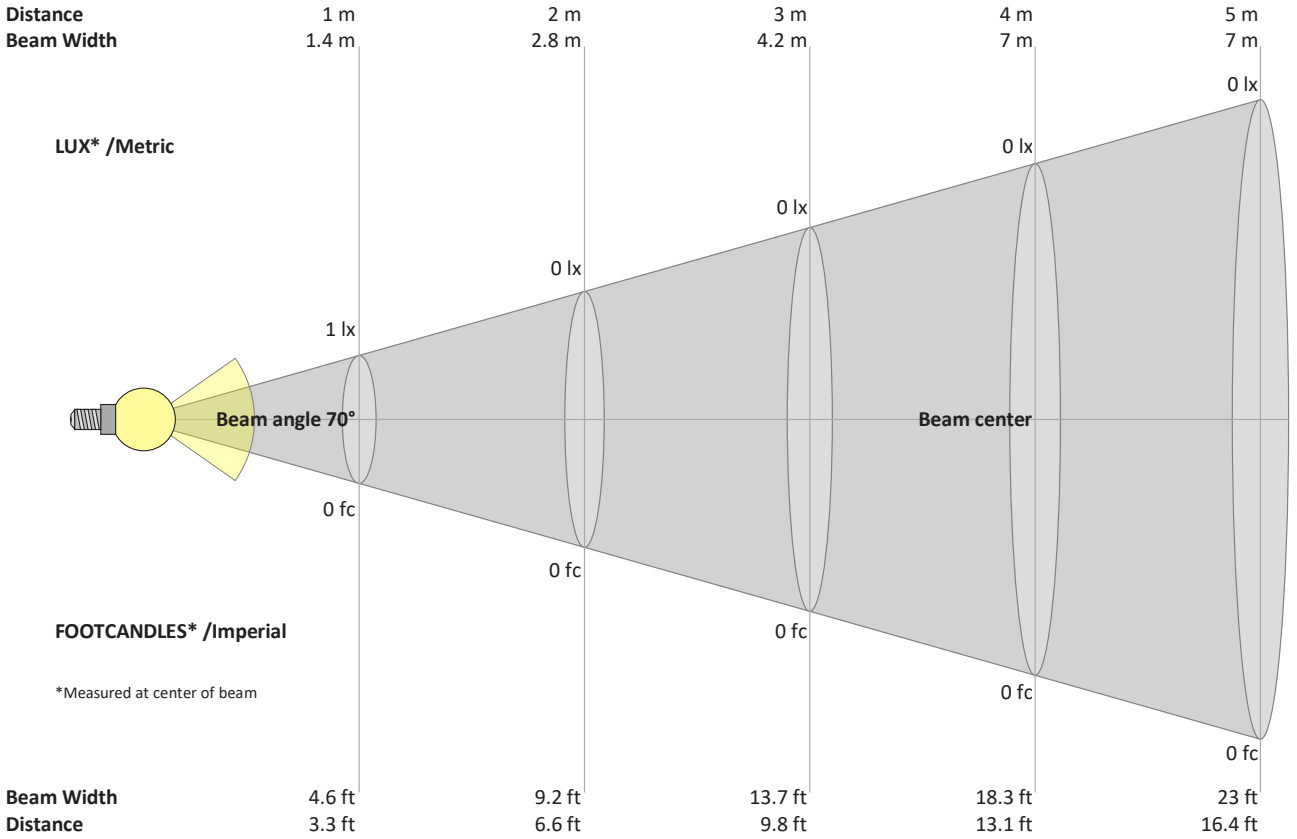
Beam Details



Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	lux
0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	fc

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	γ
0.748	0.740	0.736	0.708	0.733	0.721	0.718	0.712	0.708	0.674	0.685	0.662	0.657	0.629	0.620	0.611	0.608	0.582	0.584	0.550	cd
100%	99%	98%	95%	98%	96%	96%	95%	95%	90%	92%	89%	88%	84%	83%	82%	81%	78%	78%	73%	of 0°val

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	γ
0.748	0.739	0.724	0.687	0.655	0.640	0.632	0.600	0.580	0.516	0.437	0.362	0.278	0.199	0.159	0.114	0.072	0.074	0.069	0.061	cd
100%	99%	97%	92%	88%	86%	85%	80%	78%	69%	58%	48%	37%	27%	21%	15%	10%	10%	9%	8%	of 0°val

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	γ
0.748	0.746	0.737	0.730	0.748	0.730	0.720	0.714	0.704	0.709	0.704	0.713	0.662	0.660	0.661	0.639	0.637	0.602	0.588	0.581	cd
100%	100%	98%	98%	100%	98%	96%	95%	94%	95%	94%	95%	89%	88%	88%	85%	85%	80%	79%	78%	of 0°val

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	γ
0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.2	1.9	3.0	4.6	6.9	9.7	13.2	17.3	cd
100%	106%	110%	112%	115%	117%	117%	115%	116%	120%	128%	138%	160%	247%	400%	621%	916%	1292%	1767%	2319%	of 0°val