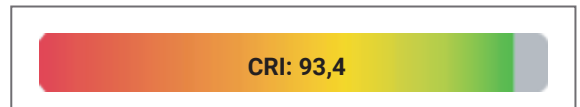


Gizmo 3000K 90 CRI @ 700 mA

Description

Applies to following luminaires:

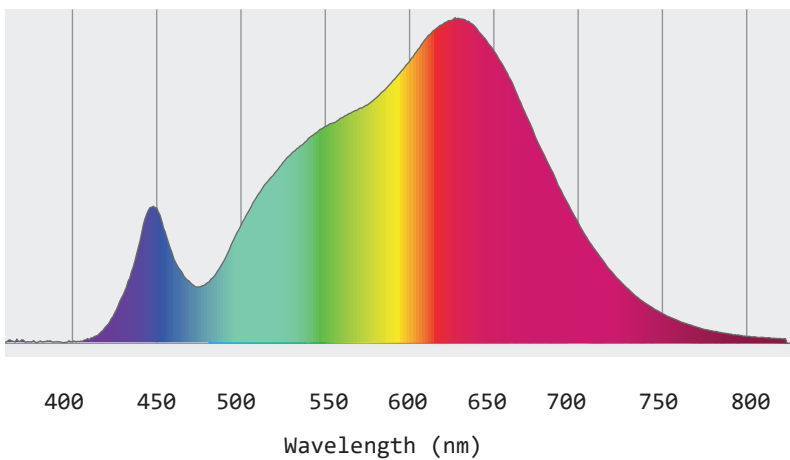
- GIZ30-PT-*
- GIZ30-CCL-*
- GIZ30-CCS-*
- GIZ30-CCP-*
- GIZ30-CCDL-*
- GIZ30-CCDLA-*



Color fidelity TM-30-15 Rf	92,5
Color Gamut TM-30-15 Rg	101,8
Color quality scale CQS	91,8
Red component CRI R9	73,0

More color results on page 6-7

Light spectrum

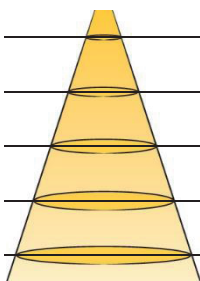


Photometrics and Optical data

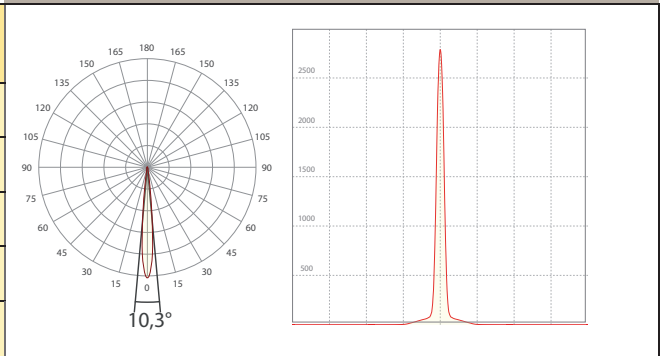
GIZ-L-VN New!
VERY NARROW

Total Lumen **148 lm**
Efficiency **66 lm/W**
Peak intensity **2721 cd**

Beam Angle 50% **10,3°**
Field angle 10% **18,2°**
Cut off angle **30,6°**



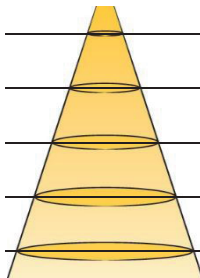
Distance	∅	lux
1	0,2	2721
2	0,4	680
3	0,5	302
4	0,7	170
5	0,9	109



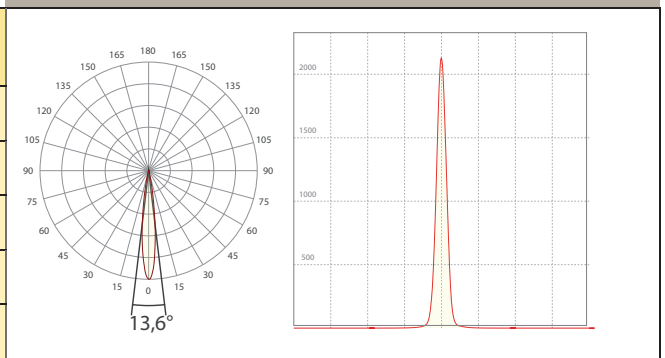
GIZ-L-N
NARROW (Default)

Total Lumen **147 lm**
Efficiency **65 lm/W**
Peak intensity **2116 cd**

Beam Angle 50% **13,6°**
Field angle 10% **24,9°**
Cut off angle **33°**



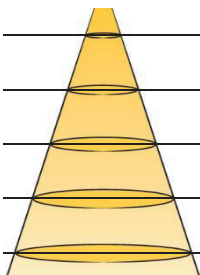
Distance	∅	lux
1	0,2	2087
2	0,5	522
3	0,7	232
4	1	130
5	1,2	83



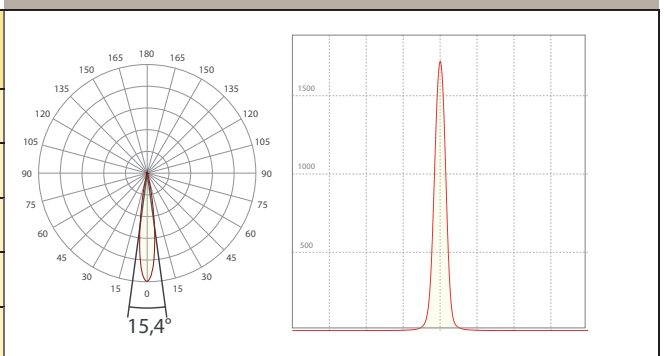
GIZ-L-S New!
SPOT

Total Lumen **152 lm**
Efficiency **68 lm/W**
Peak intensity **1715 cd**

Beam Angle 50% **15,4°**
Field angle 10% **27,7°**
Cut off angle **37,6°**



Distance	∅	lux
1	0,3	1700
2	0,5	425
3	0,8	189
4	1,1	106
5	1,4	68



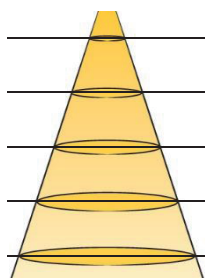
GIZ-L-M **MEDIUM** New!

Total Lumen
Efficiency
Peak intensity

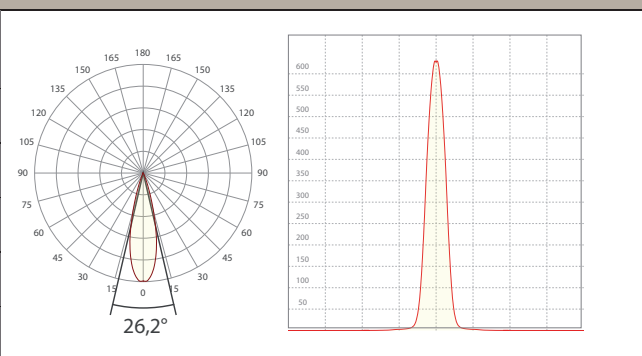
133 lm
59 lm/W
628 cd

Beam Angle 50%
Field angle 10%
Cut off angle

26,2°
41,6°
51,5°



Distance	∅	lux
1	0,5	628
2	0,9	157
3	1,4	70
4	1,9	39
5	2,3	25



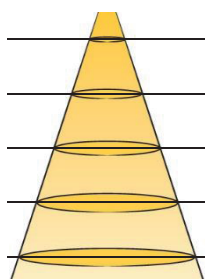
GIZ-L-W **WIDE** New!

Total Lumen
Efficiency
Peak intensity

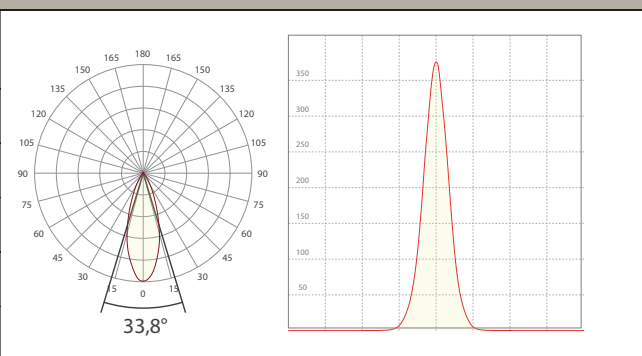
155 lm
69 lm/W
376 cd

Beam Angle 50%
Field angle 10%
Cut off angle

33,8°
64,8°
85,4°



Distance	∅	lux
1	0,6	375
2	1,2	94
3	1,8	42
4	2,4	23
5	3	15



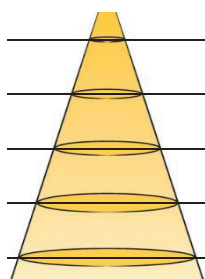
GIZ-L-VW **VERY WIDE** New!

Total Lumen
Efficiency
Peak intensity

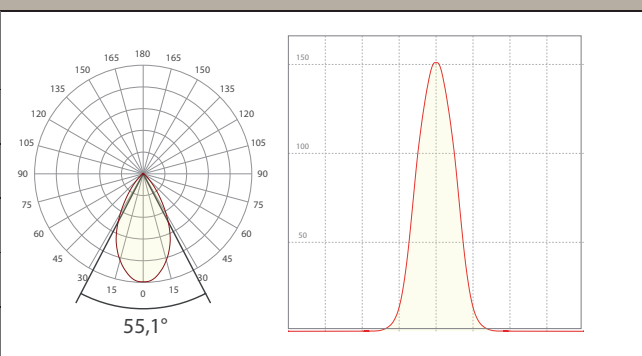
131 lm
58 lm/W
151 cd

Beam Angle 50%
Field angle 10%
Cut off angle

55,1°
88,3°
110°



Distance	∅	lux
1	1	151
2	2,1	38
3	3,1	17
4	4,2	9
5	5,2	6



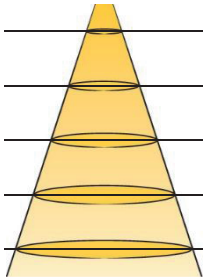
GIZ-L-E New!
ELLIPTIC

Total Lumen
Efficiency
Peak intensity

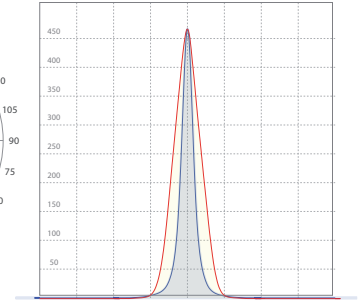
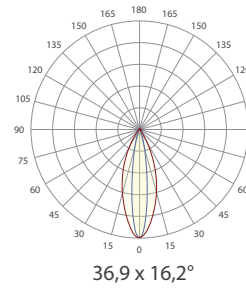
70,8 lm
32 lm/W
466 cd

Beam Angle 50%
Field angle 10%
Cut off angle

36,9 x 16,2°



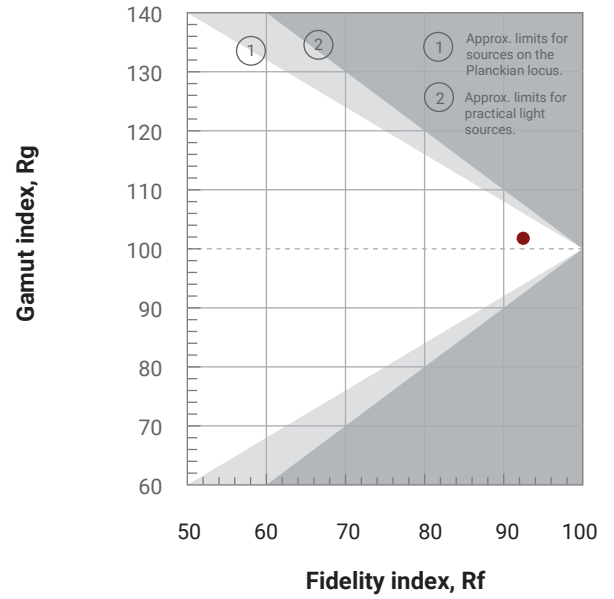
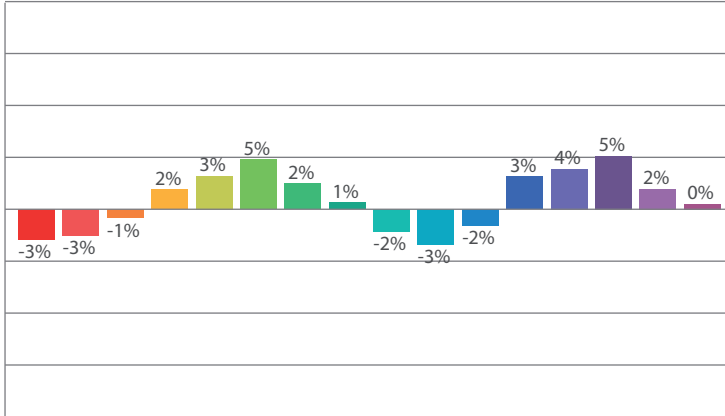
Distance	∅	lux
1	0,3	463
2	0,6	116
3	0,9	51
4	1,1	29
5	1,4	19



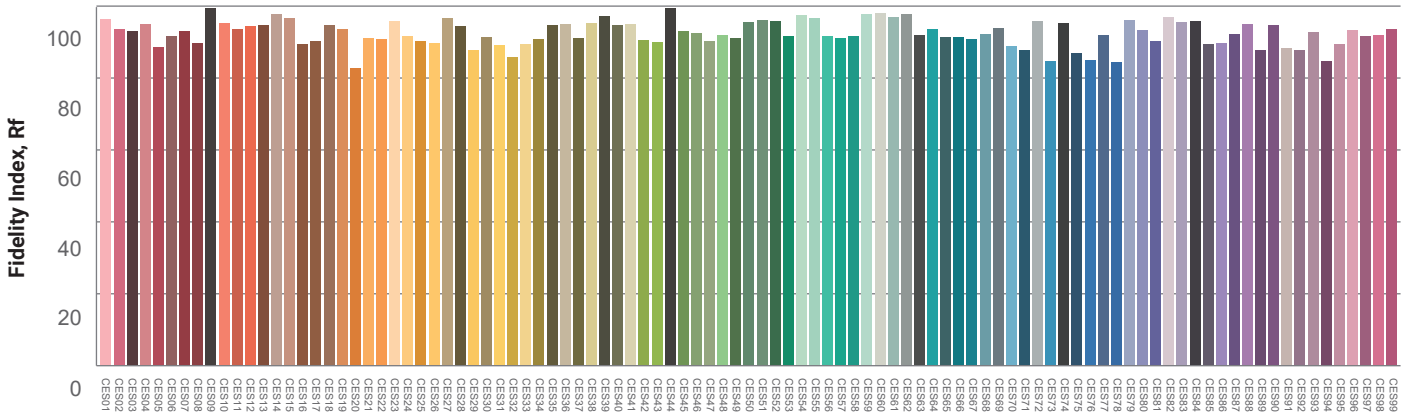
TM30 details

Rf 92,5
Fidelity index Rf

Rg 101,8
Gammut index Rg



Color Fidelity Sample

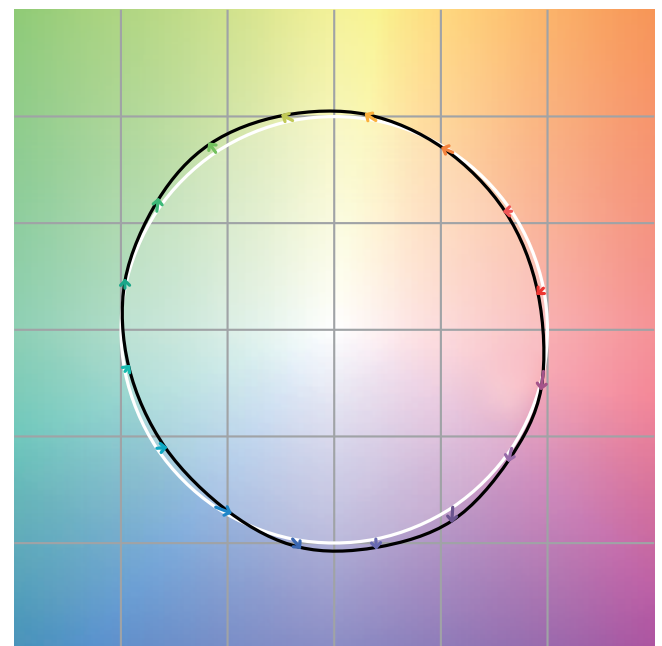


Color Distortion Graphic



Black areas within the white circle indicates desaturation.

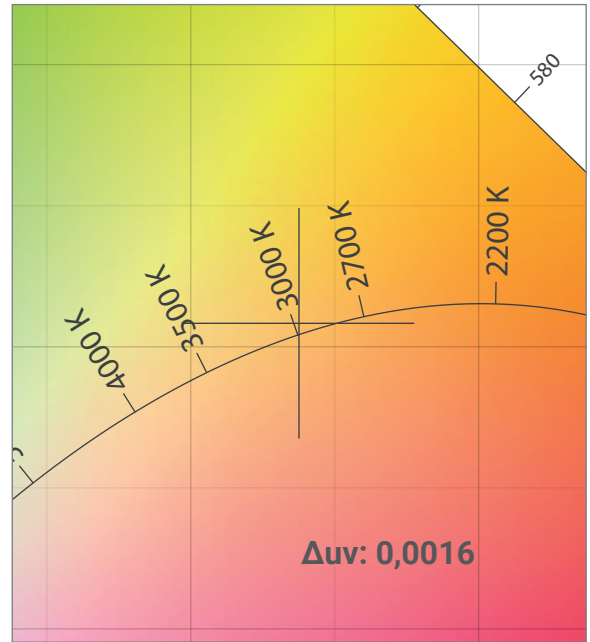
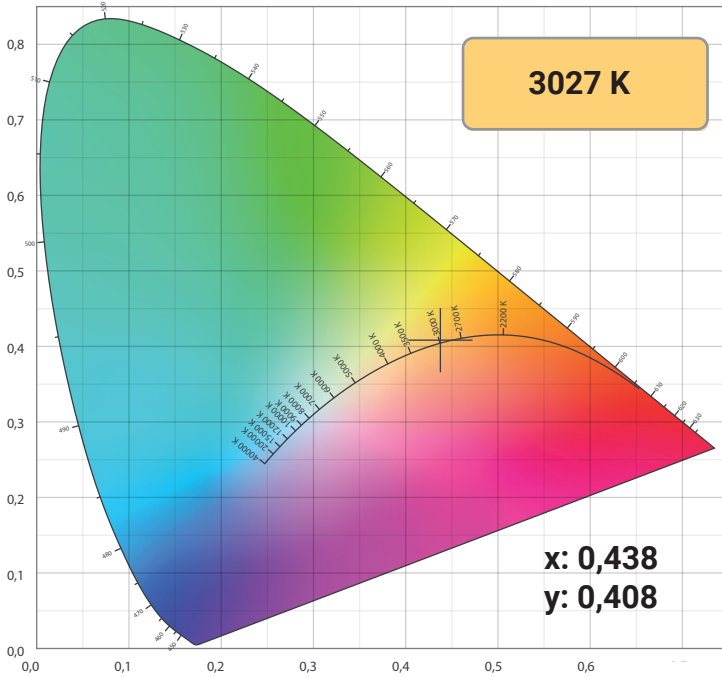
Color Vector Graphic



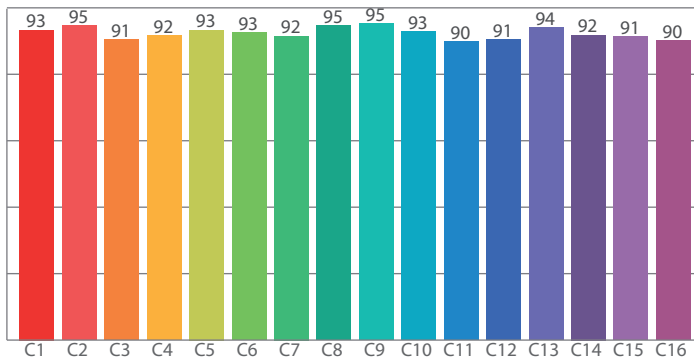
The arrows show how colors are distorted from their natural colors which lie on the white circle.

Color details

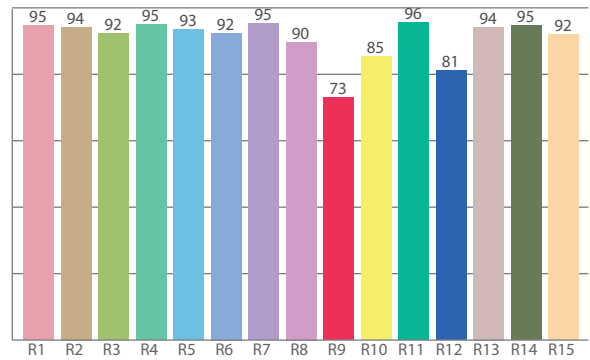
CIE 1931



TM30: 92,5



CRI: 93,4



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
94,6	94,3	92,2	95,1	93,4	92,4	95,4	89,7	73,0	85,3	95,6	81,1	94,3	94,7	91,9

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
93,3	94,6	90,5	91,6	93,3	92,5	91,5	94,8	95,2	92,8	90,0	90,5	94,0	91,8	91,3	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,3	97,5	88,9	90,5	91,3	89,2	90,3	94,7	95,9	92,9	93,6	94,5	95,0	90,4	90,3

CQS: 91,8

