

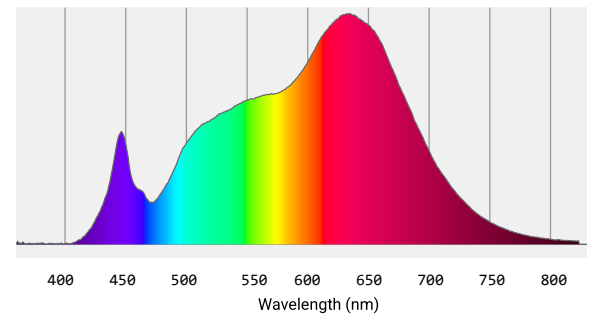
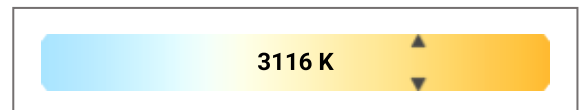
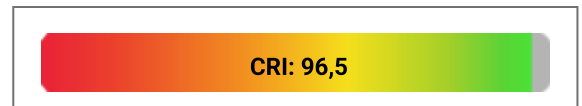
This document is for reference only and should not be considered as product specification.

Gizmo (Model B) 3000K 95 CRI @ 700 mA

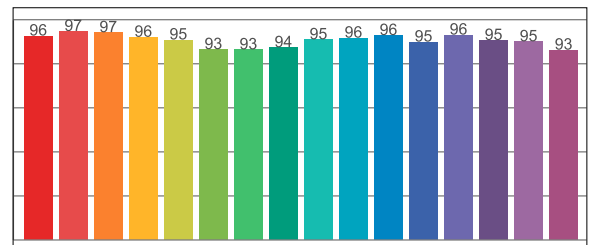
Description

Applies to following luminaires:

GIZ30B*



Measurement Conditions		
Number of C-planes Measured and Resolution	2 planes	180,0°
γ (gamma) -resolution	2,50°	
Input Power to the Light Source	2,1 W	
Input RMS Voltage and Current to the Light Source	3,0 V	0,700 A



Color fidelity TM-30-15 Rf	95,5
Color Gamut TM-30-15 Rg	103,9
Color quality scale CQS	95,0
Red component CRI R9	98,5

More color results on page 5

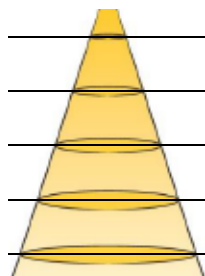
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Photometrics and Optical data

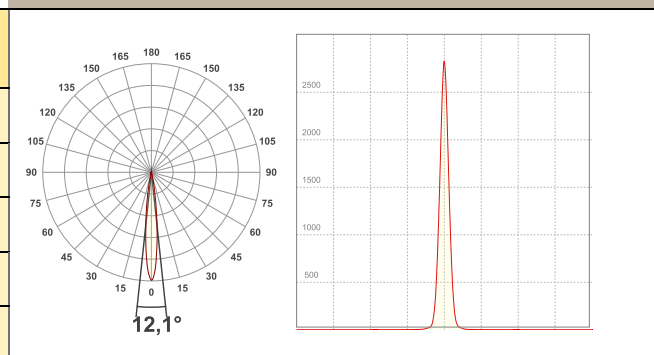
GIZ-L-N NARROW (Default)

Total Lumen **159 lm**
Efficiency **76 lm/W**
Peak intensity **2828 cd**

Beam Angle 50% **12,1°**
Field angle 10% **23°**
Cut off angle **29,9°**



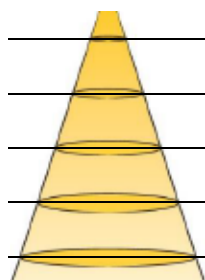
Distance	∅	lux
1	0,2	2803
2	0,4	701
3	0,6	311
4	0,8	175
5	1,1	112



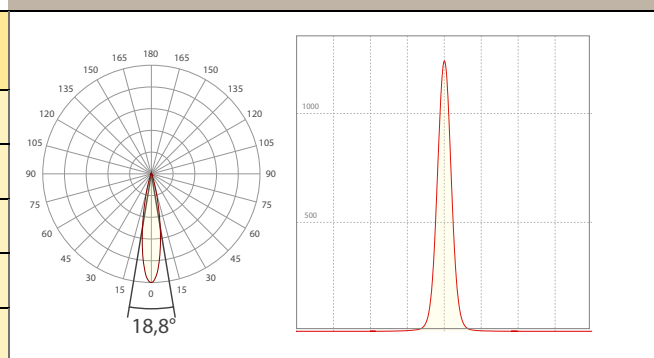
GIZ-L-S SPOT

Total Lumen **167 lm**
Efficiency **80 lm/W**
Peak intensity **1233 cd**

Beam Angle 50% **18,8°**
Field angle 10% **35,4°**
Cut off angle **47,7°**



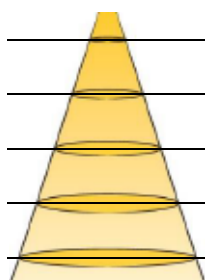
Distance	∅	lux
1	0,3	1231
2	0,7	308
3	1	137
4	1,3	77
5	1,7	49



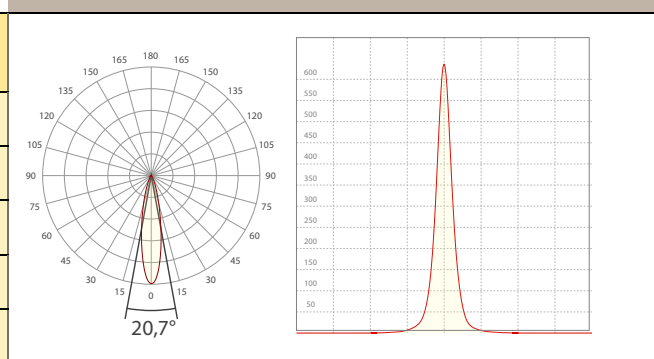
GIZ-L-M MEDIUM

Total Lumen **134 lm**
Efficiency **64 lm/W**
Peak intensity **635 cd**

Beam Angle 50% **20,7°**
Field angle 10% **44,5°**
Cut off angle **67,9°**



Distance	∅	lux
1	0,4	634
2	0,7	159
3	1,1	70
4	1,5	40
5	1,8	25



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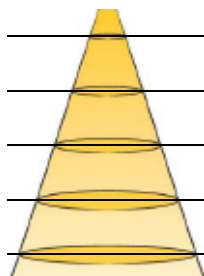
**GIZ-L-M+
MEDIUM+**

Total Lumen
Efficiency
Peak intensity

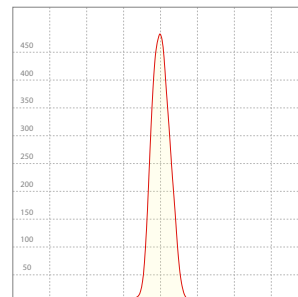
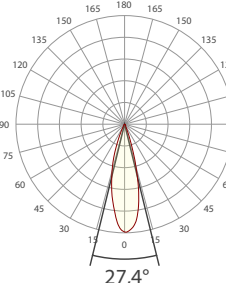
**125 lm
60 lm/W
483 cd**

Beam Angle 50%
Field angle 10%
Cut off angle

**27,4°
45,5°
57,4°**



Distance	Ø	lux
1	0,5	480
2	1	120
3	1,5	53
4	2	30
5	2,4	19



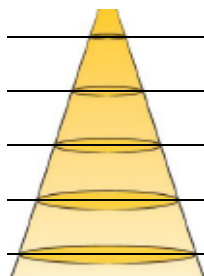
**GIZ-L-W
WIDE**

Total Lumen
Efficiency
Peak intensity

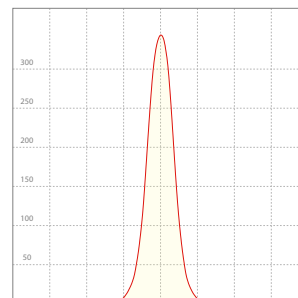
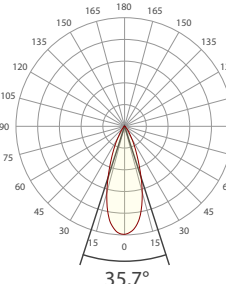
**154 lm
73 lm/W
343 cd**

Beam Angle 50%
Field angle 10%
Cut off angle

**35,7°
64,4°
87,5°**



Distance	Ø	lux
1	0,6	343
2	1,3	86
3	1,9	38
4	2,6	21
5	3,2	14



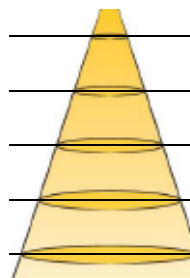
**GIZ-L-VW
VERY WIDE**

Total Lumen
Efficiency
Peak intensity

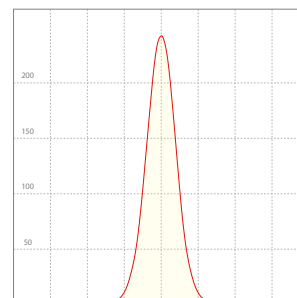
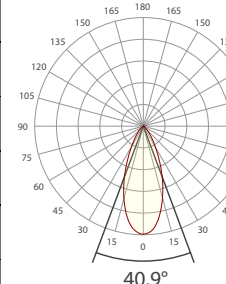
**142 lm
68 lm/W
242 cd**

Beam Angle 50%
Field angle 10%
Cut off angle

**40,9°
76,4°
100,4°**



Distance	Ø	lux
1	0,7	242
2	1,5	60
3	2,2	27
4	3	15
5	3,7	10



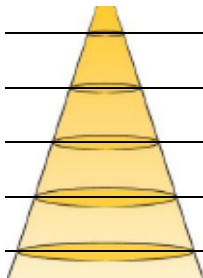
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GIZ-L-E
Elliptical

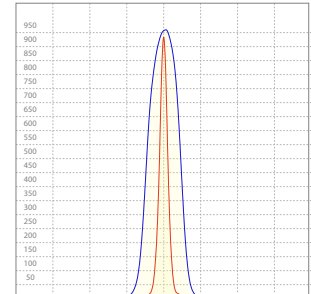
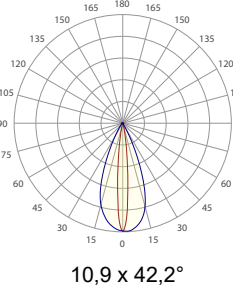
Total Lumen
Efficiency
Peak intensity

Beam Angle 50%
Field angle 10%
Cut off angle

10,9 x 42,2°



Distance	Ø	lux
1	0,5	942
2	0,9	236
3	1,4	105
4	1,9	59
5	2,4	38

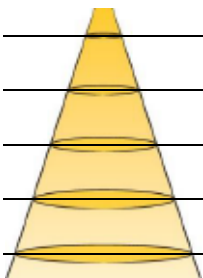


GIZ-L-E+
Elliptical+

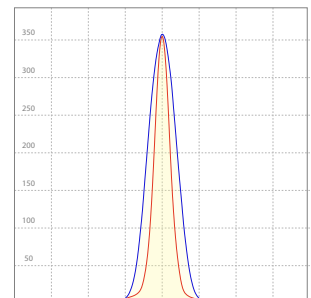
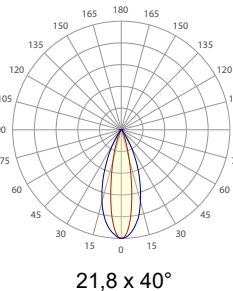
Total Lumen
Efficiency
Peak intensity

Beam Angle 50%
Field angle 10%
Cut off angle

21,8 x 40°



Distance	Ø	lux
1	0,6	354
2	1,1	89
3	1,7	39
4	2,2	22
5	2,8	14

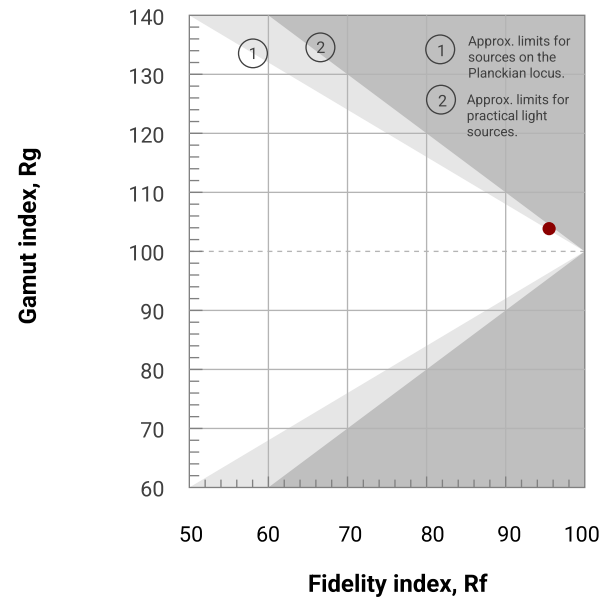
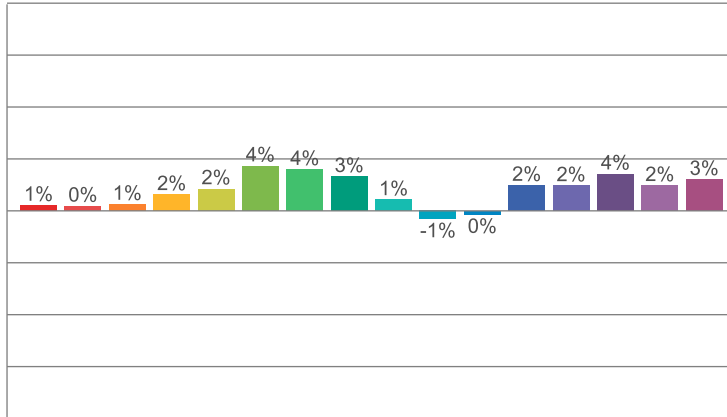


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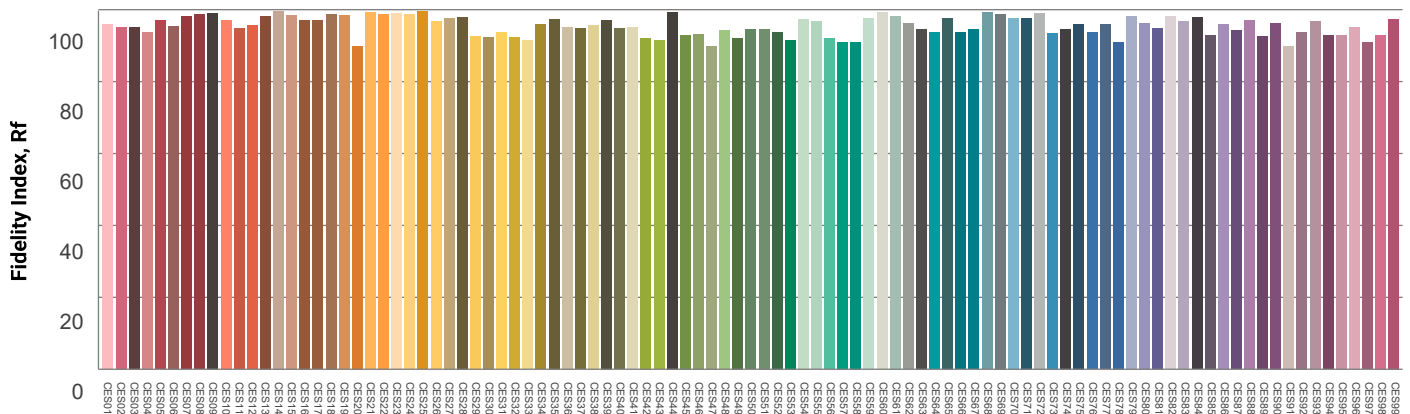
TM30 details

Rf 95,5
Fidelity index Rf

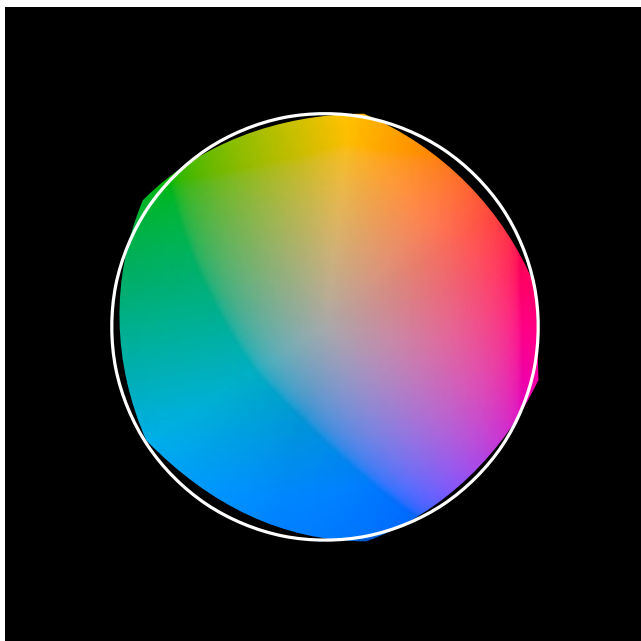
Rg 103,9
Gammut index Rg



Color Fidelity Sample

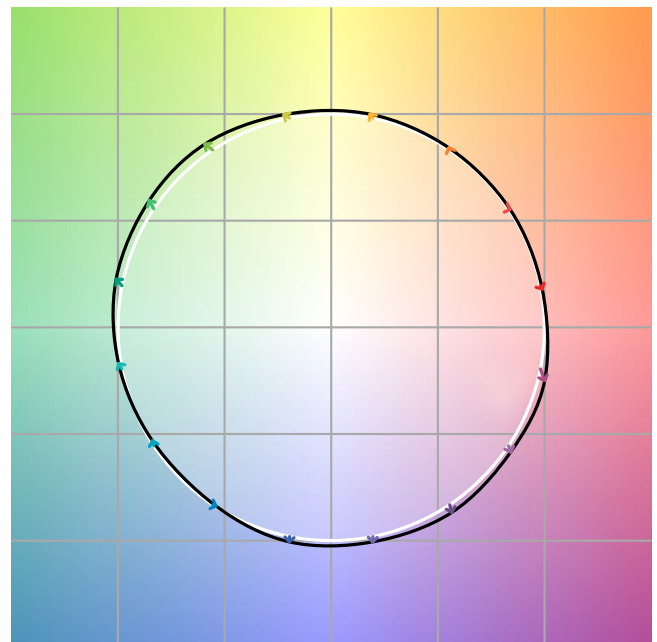


Color Distortion Graphic



Black areas within the white circle indicates desaturation.

Color Vector Graphic

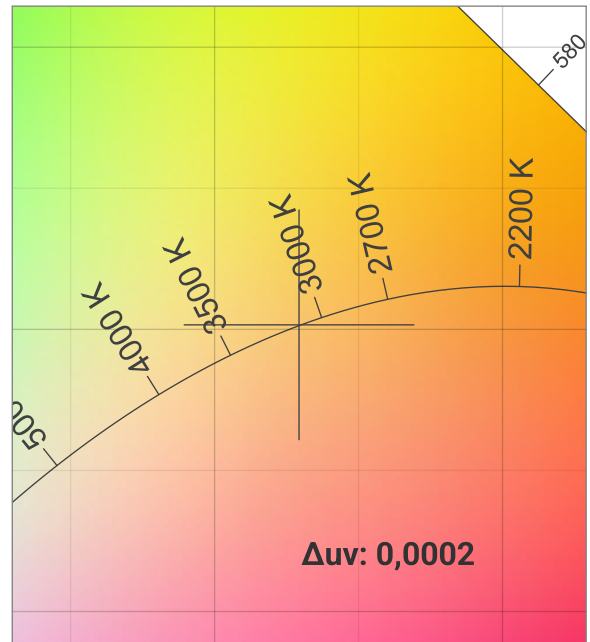
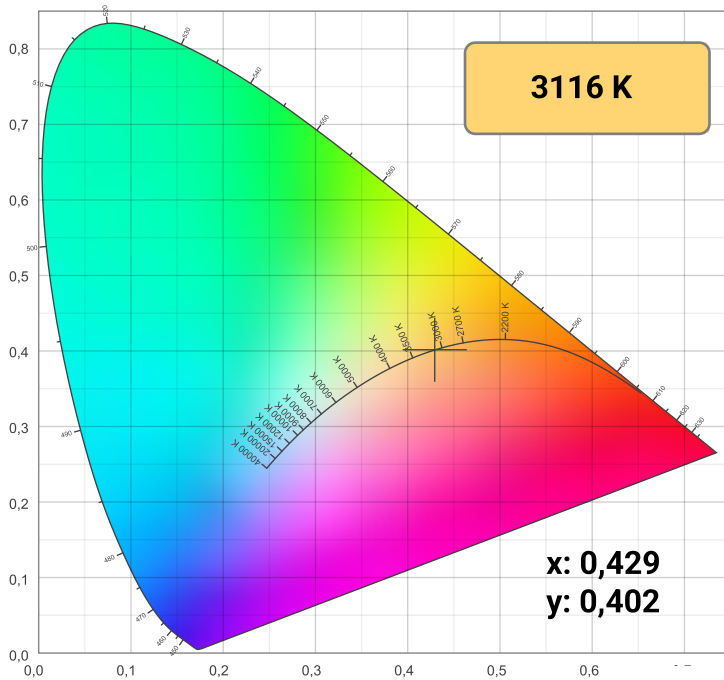


The arrows show how colors are distorted from their natural colors which lie on the white circle.

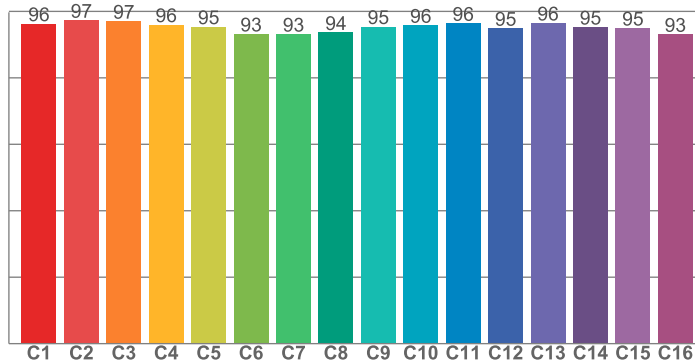
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Color details

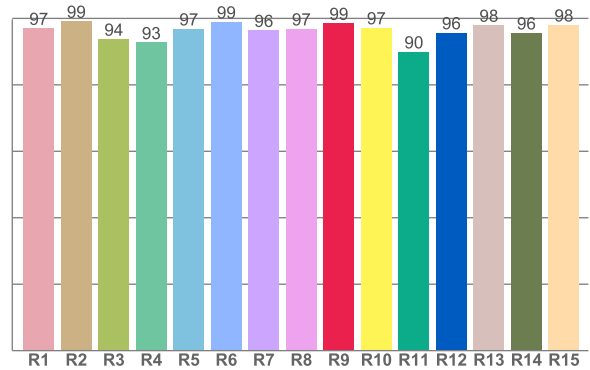
CIE 1931



TM30: 95,5



CRI: 96,5



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	99,2	93,8	92,7	96,9	99,0	96,4	96,9	98,5	97,2	89,9	95,7	98,0	95,7	98,0

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	97,3	97,0	96,0	95,4	93,2	93,1	93,6	95,4	95,8	96,4	94,9	96,5	95,3	95,0	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	98,1	95,2	96,0	92,1	89,7	94,7	97,6	96,6	97,1	97,1	95,9	95,8	97,8	97,1

CQS: 95,0

