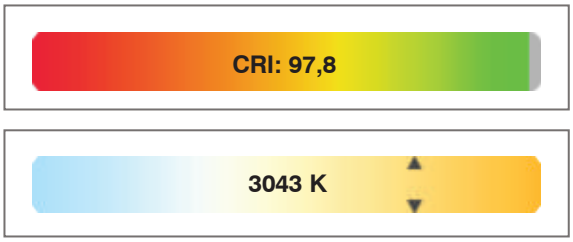
Neo Fresnel 3000K 95 CRI @ 600 mA

Description

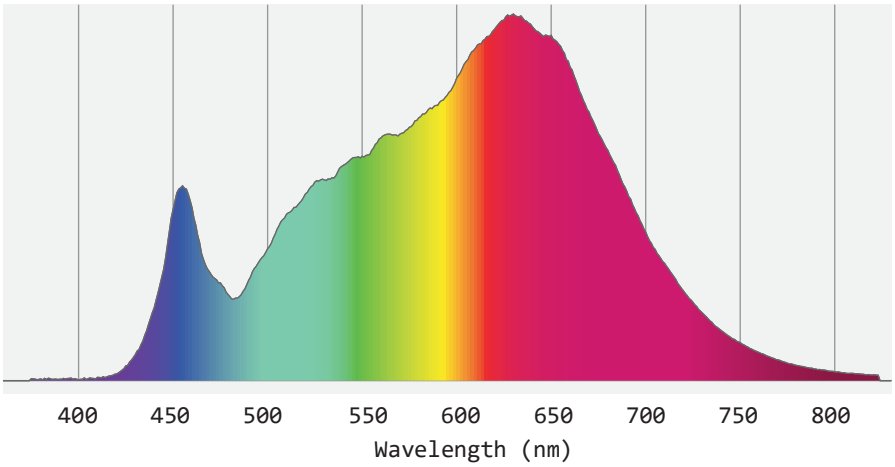
Applies to following luminaires:

NEOF30C-AH-*
NEOF30C-AHX-*
NEOF30C-AHD-*
NEOF30C-AHC-*
NEOF30C-CCS-*



Color fidelity TM-30-15 Rf	94,2
Color Gamut TM-30-15 Rg	101,7
Color quality scale CQS	94,2
Color diviation from black body **Δuv**	-0,0020
Red component **CRI R9**	89,9

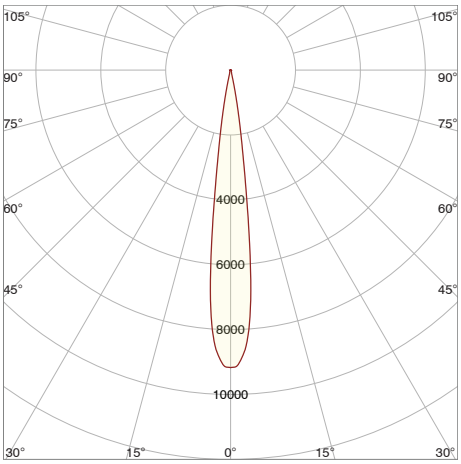
Light spectrum



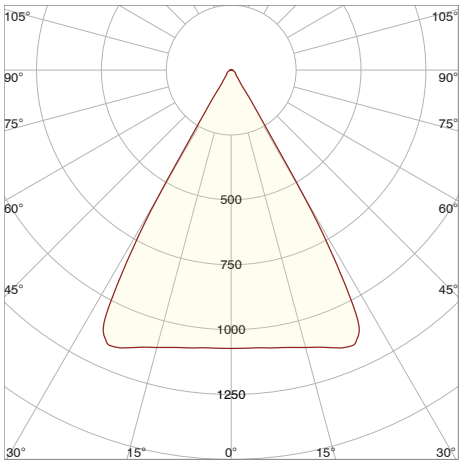
Cone Diagram

Cone diagram gives the lux output from different distances, with a specific beam angle.

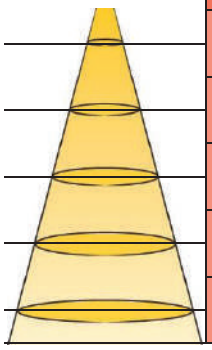
Narrowest Beam Angle



Widest Beam Angle



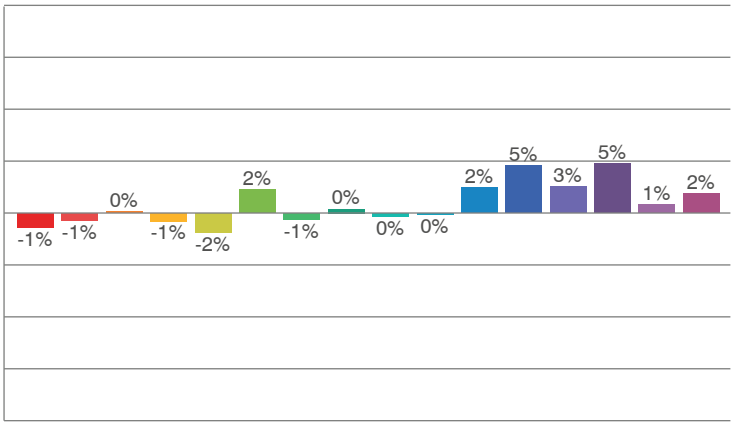
	Narrowest Beam Angle		Widest Beam Angle	
Cut off Angle	**27,6°**		Cut off Angle	**86,3°**
Field angle 10%	**22,2°**		Field angle 10%	**66,9°**
Beam angle 50%	**13,5°**		Beam angle 50%	**60°**
Distance	ø	lux	Ø	lux
1	0,2	9164	1,2	1072
2	0,5	2291	2,3	268
3	0,7	1018	3,5	119
4	0,9	573	4,6	67
5	1,2	367	5,8	43
	Lumen output: **631 lm**		Lumen output: **1031 lm**	
	Light efficiency:		Light efficiency:	
	Peak candela: **9164 cd**		Peak candela: **1155 cd**	

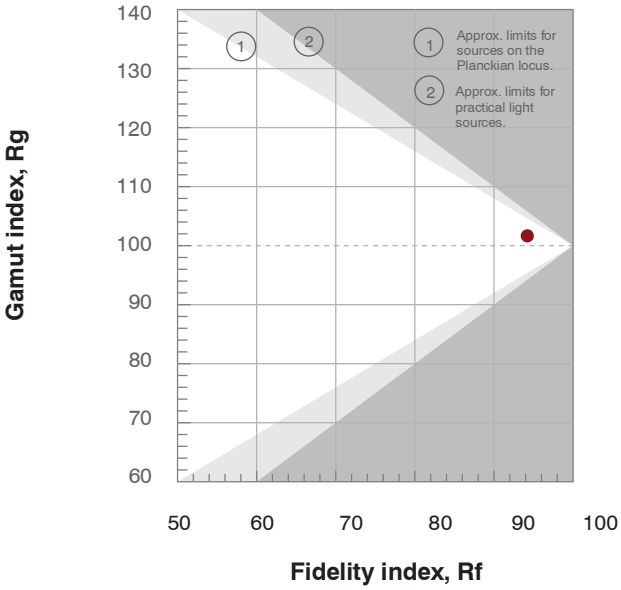


TM30 details

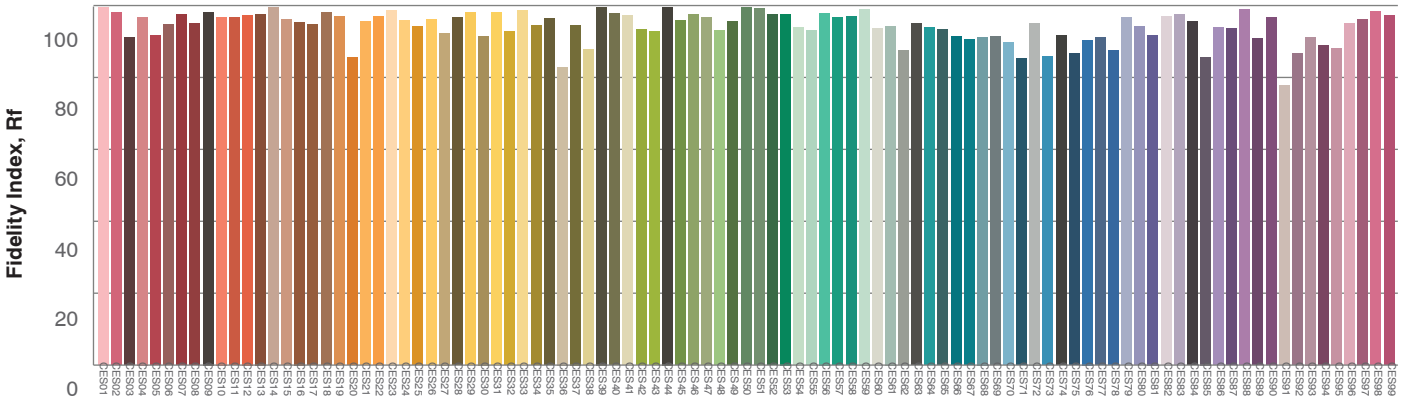
Rf 94,2
Fidelity index Rf

Rg 101,7
Gammut index Rg





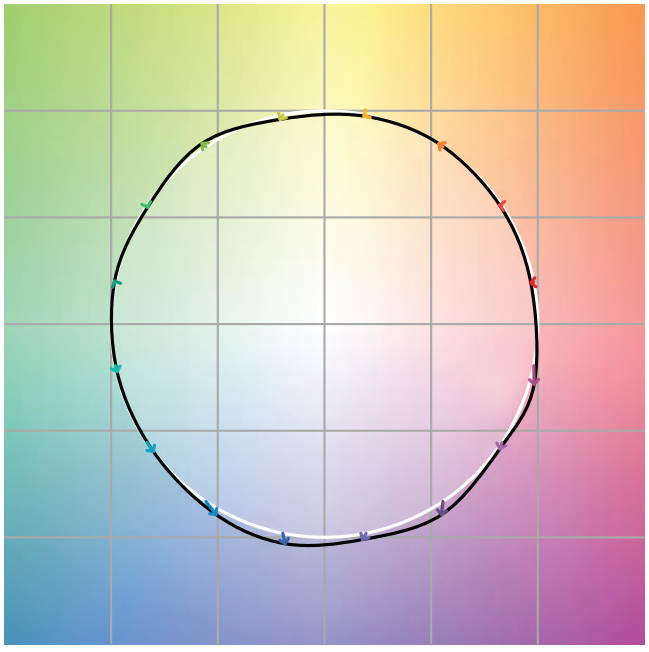
Color Fidelity Sample



Color Distortion Graphic

Black areas within the white circle indicates desaturation.

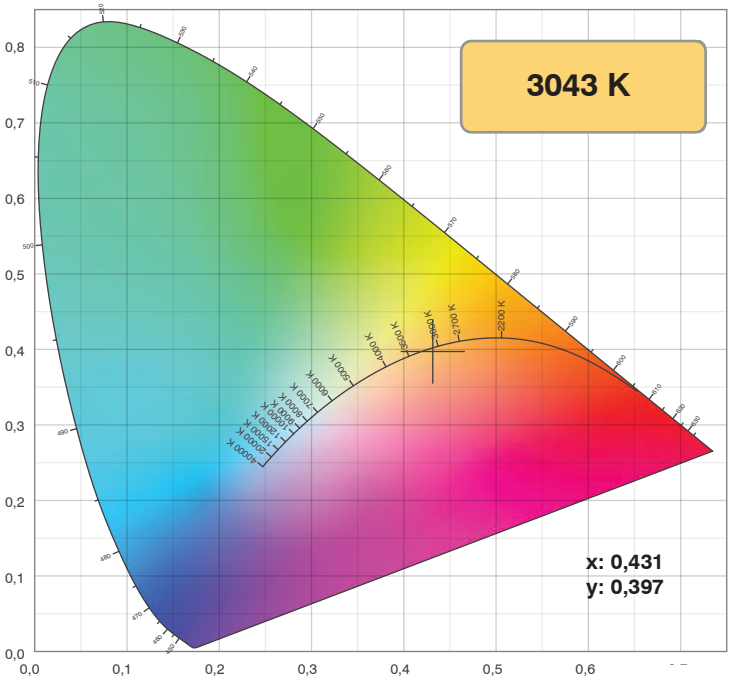
Color Vector Graphic

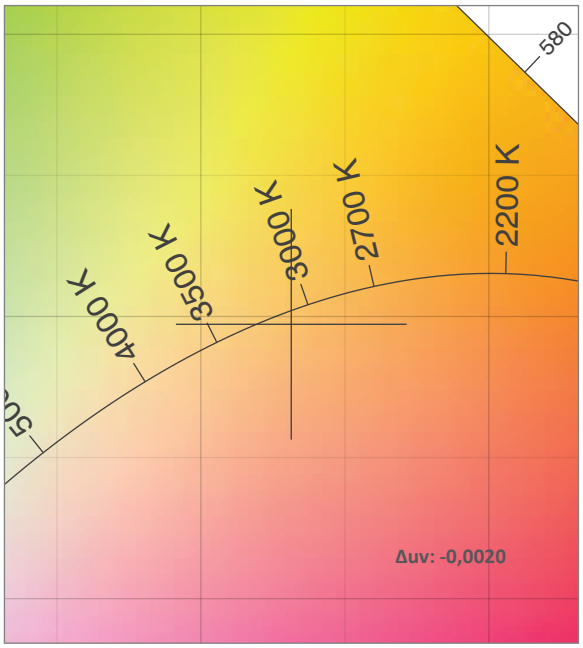


The arrows show how colors are distorted from their natural colors which lie on the white circle.

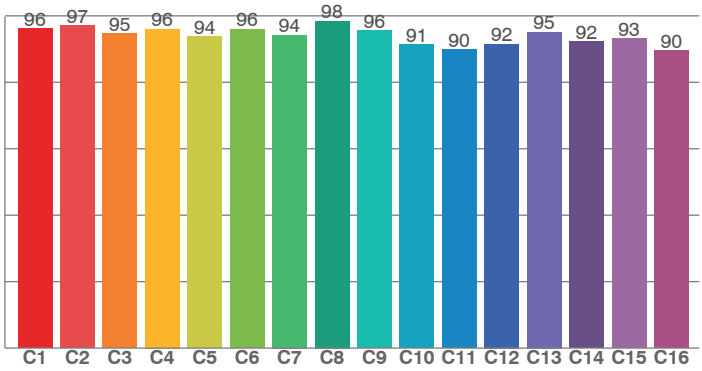
Color details

CIE 1931

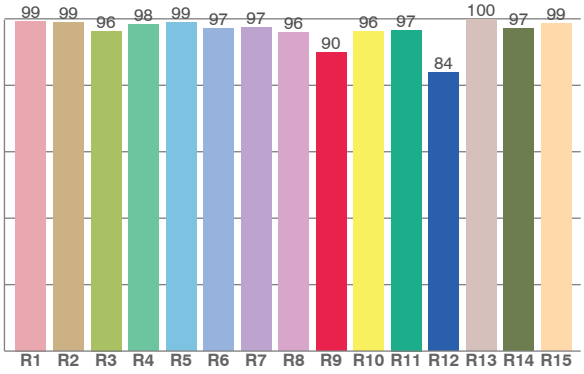




TM30: 94,2



CRI: 97,8



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
99,3	99,0	96,3	98,3	98,9	97,0	97,4	95,8	89,9	96,3	96,6	83,8	99,7	97,0	98,5

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	97,1	94,6	96,0	93,7	96,0	94,3	98,4	95,7	91,3	89,9	91,5	95,1	92,2	93,2	89,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	97,4	89,6	90,7	95,0	95,4	92,3	95,0	97,1	95,1	95,5	96,0	96,6	95,3	95,3

CQS: 94,2