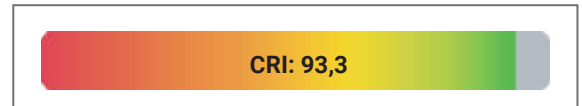


# Arty Profile Zoom 3000K 90 CRI @ 12V DC

500lm, 25°–50°, dimmer

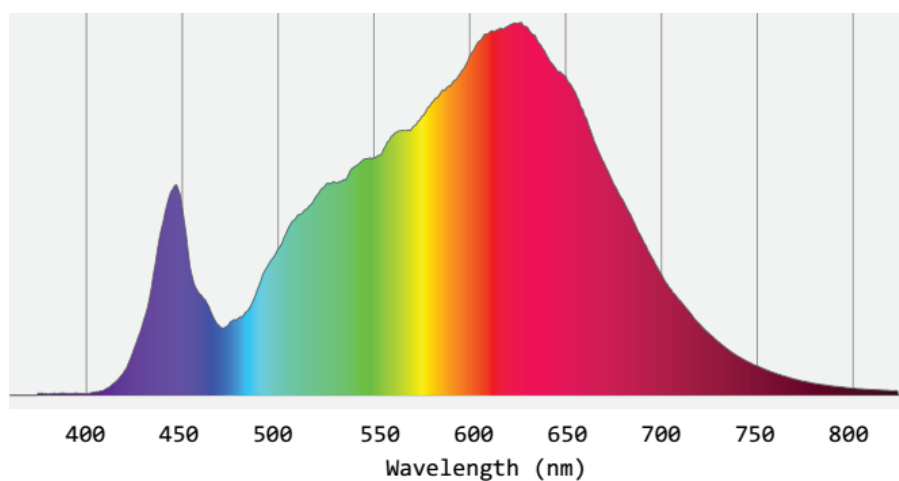
Applies to following luminaires:

- ARTPZ30C-MT-\*
- ARTPZ30C-PT-\*
- ARTPZ30C-LVS-\*
- ARTPZ30C-HV-\*



Color fidelity TM-30-15 Rf	90,5
Color Gamut TM-30-15 Rg	103,5
Color quality scale CQS	90,2
Color diviation from black body $\Delta uv$	-0,0024
Red component CRI R9	66,7

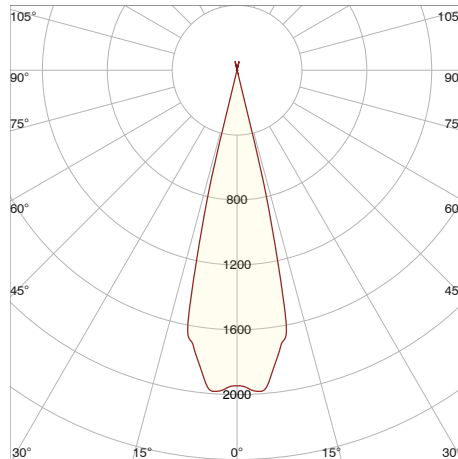
## Light spectrum



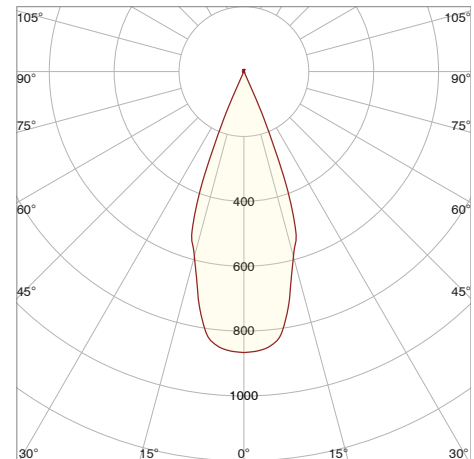
## Cone Diagram

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

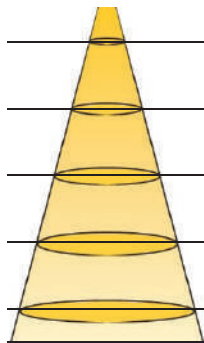
### Narrowest Beam Angle



### Widest Beam Angle



Narrowest Beam Angle		Widest Beam Angle					
Cut off Angle		29,9°		Cut off Angle		50,5°	
Field angle 10%		29,2°		Field angle 10%		48,4°	
Half peak 50%		25,1°		Half peak 50%		38,8°	
Distance	∅	lux	∅	lux	Distance	∅	lux
1	0,4	1949	0,7	865	1	0,4	1949
2	0,9	487	1,4	216	2	0,9	487
3	1,3	217	2,1	96	3	1,3	217
4	1,8	122	2,8	54	4	1,8	122
5	2,2	78	3,5	35	5	2,2	78
Lumen output: 287 lm				Lumen output: 286 lm			
Light efficiency: 36 lm/W				Light efficiency: 36 lm/W			
Peak candela: 1980 cd				Peak candela: 865 cd			

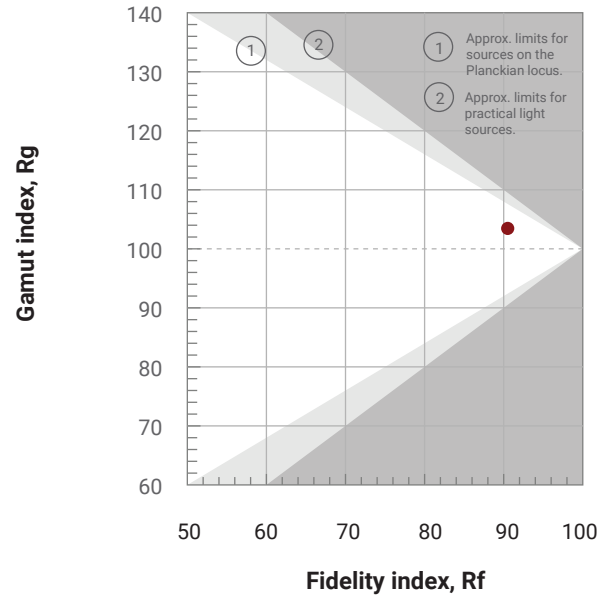
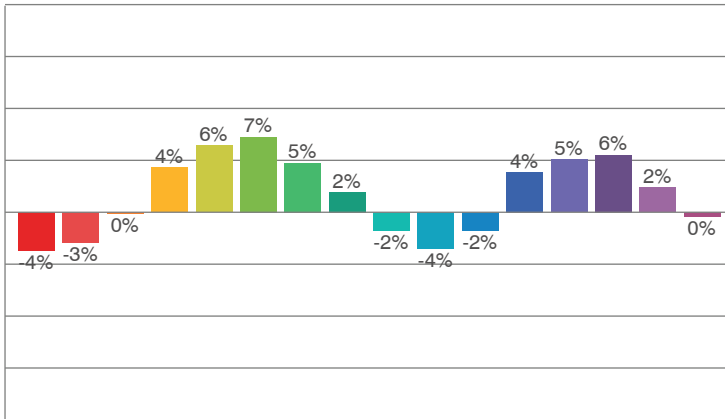


From the diagram above, at 29,9° you will note that at 2m distance from the luminare you have a lux level of 487 and the coverage area is 0,9 m/diameter.

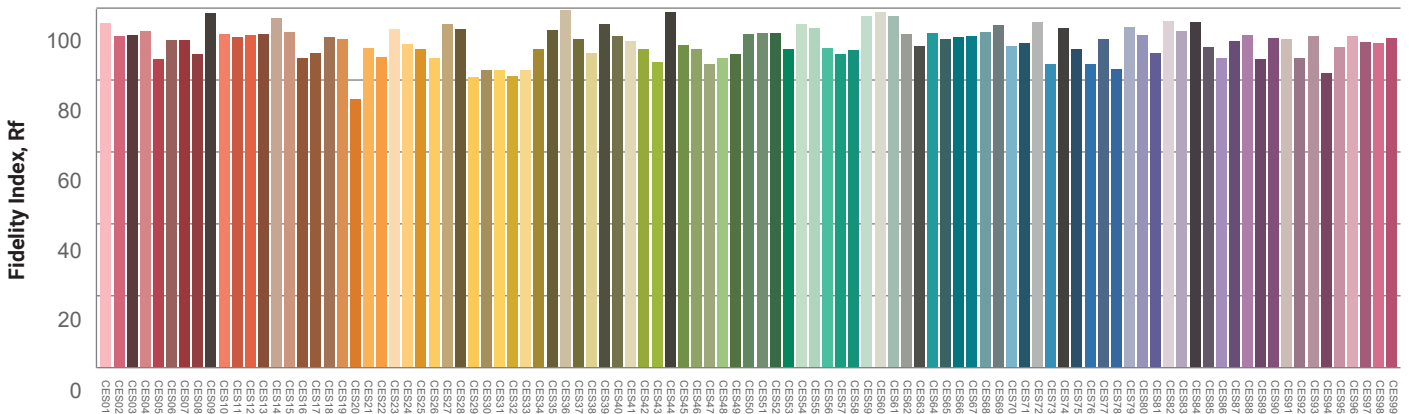
TM30 details

**Rf 90,5**  
Fidelity index Rf

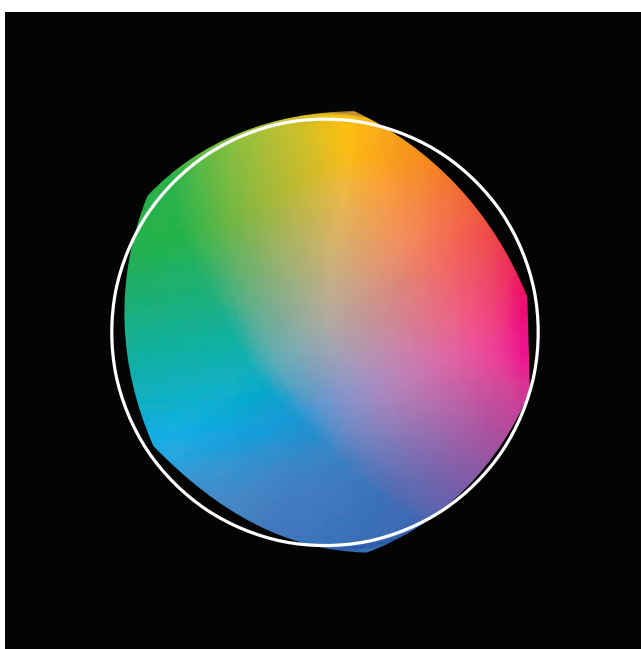
**Rg 103,5**  
Gammut index Rg



Color Fidelity Sample

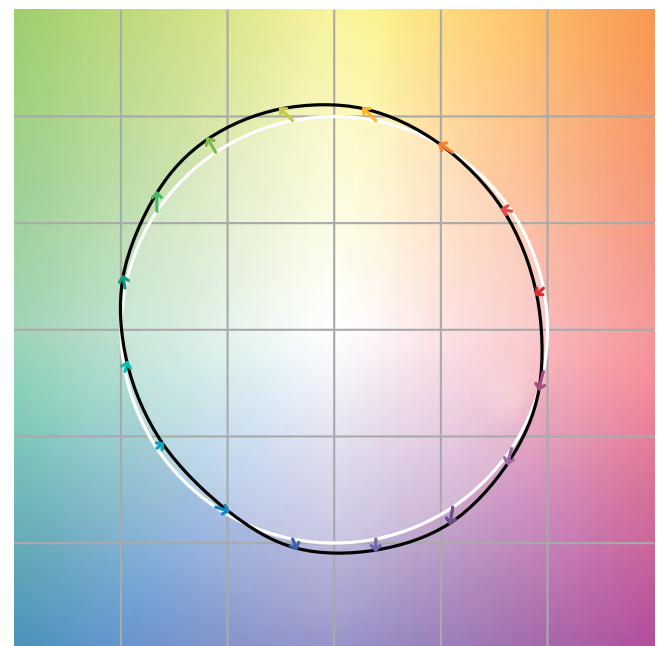


Color Distortion Graph



Black areas within the white circle indicates desaturation.

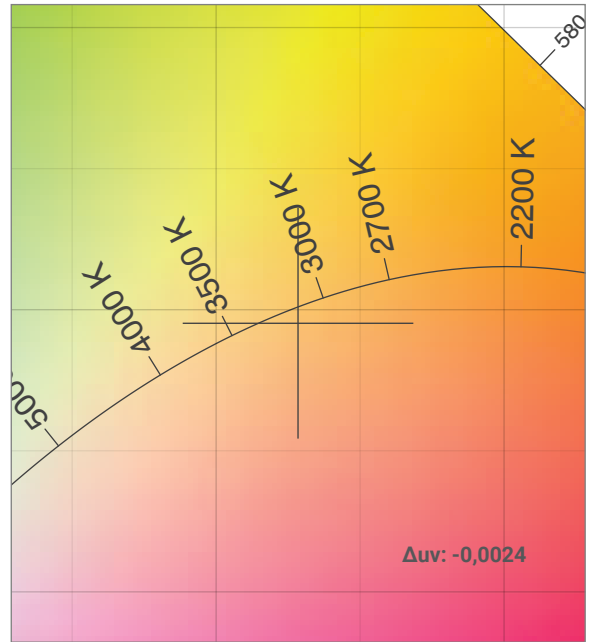
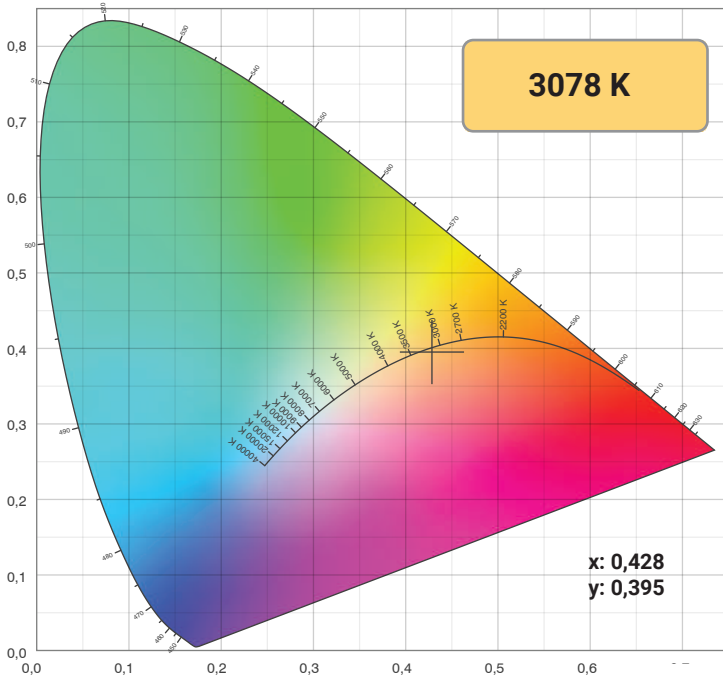
Color Vector Graphic



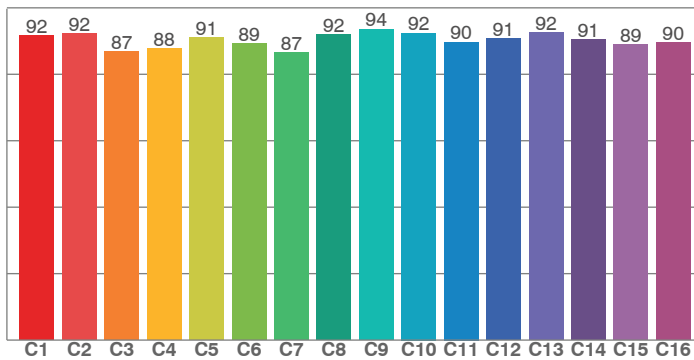
The arrows show how colors are distorted from their natural colors which lie on the white circle.

## Color details

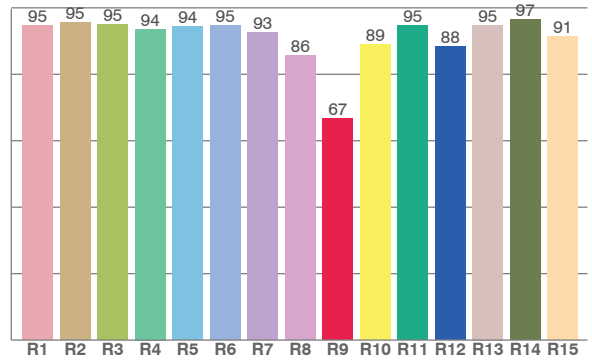
### CIE 1931



### TM30: 90,5



### CRI: 93,3



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
94,8	95,5	95,1	93,6	94,4	94,8	92,6	85,8	66,7	89,0	94,6	88,3	94,8	96,5	91,3

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
91,8	92,4	86,8	87,8	91,1	89,2	86,7	91,9	93,6	92,4	89,7	90,9	92,5	90,5	89,0	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,8	97,5	88,2	90,7	90,6	87,1	87,7	92,4	97,2	91,6	91,9	91,9	92,7	88,6	87,8

### CQS: 90,2

