

PHOTOMETRIC TEST REPORT



FIXTURE DATA

Manufacturer: Clay Paky s.r.l.
Fixture model: Orkis CYC
Date: 2024-10-18

TABE OF CONTENTS:

➤ PHOTOMETRIC DATA	3
➤ TM-30: 2500K	4
➤ TLCI 2012: 2500K	5
➤ TM-30: 2700K	6
➤ TM-30: 2800K	8
➤ TLCI 2012: 2800K	9
➤ TM-30: 3000K	10
➤ TLCI 2012: 3000K	11
➤ TM-30: 3100K	12
➤ TLCI 2012: 3100K	13
➤ TM-30: 3200K	14
➤ TLCI 2012: 3200K	15
➤ TM-30: 3700K	16
➤ TLCI 2012: 3700K	17
➤ TM-30: 4000K	18
➤ TLCI 2012: 4000K	19
➤ TM-30: 4200K	20
➤ TLCI 2012: 4200K	21
➤ TM-30: 5000K	22
➤ TLCI 2012: 5000K	23
➤ TM-30: 5500K	24
➤ TLCI 2012: 5500K	25
➤ TM-30: 5600K	26
➤ TLCI 2012: 5600K	27
➤ TM-30: 6000K	28
➤ TLCI 2012: 6000K	29
➤ TM-30: 7000K	30
➤ TLCI 2012: 7000K	31
➤ TM-30: 8000K	32
➤ TLCI 2012: 8000K	33

PHOTOMETRIC DATA

ORKIS CYC TA 20,4°C	Illuminance [lx]			Vertical Beam			Horizontal Beam
	Distance from the wall: 0,9 m Height: 1 m			Height with 90% illumin. [m]	Height with 50% illumin. [m]	Height with 10% illumin. [m]	Width with 10% illuminance [m]
	Standard mode	Silent mode	Fanless mode				
ORKIS CYC - 2500K	1.224	1.181	1.126	1,42	4,25	7,1	2,16
ORKIS CYC - 2700K	1.259	1.252	1.222				
ORKIS CYC - 2800K	1.304	1.276	1.241				
ORKIS CYC - 3000K	1.355	1.363	1.312				
ORKIS CYC - 3100K	1.370	1.368	1.311				
ORKIS CYC - 3200K	1.384	1.393	1.318				
ORKIS CYC - 3750K	1.449	1.450	1.394				
ORKIS CYC - 4000K	1.467	1.470	1.431				
ORKIS CYC - 4200K	1.496	1.464	1.296				
ORKIS CYC - 5000K	1.363	1.328	1.134				
ORKIS CYC - 5500K	1.354	1.343	1.023				
ORKIS CYC - 5600K	1.369	1.332	975				
ORKIS CYC - 6000K	1.343	1.344	916				
ORKIS CYC - 7000K	1.300	1.312	866				
ORKIS CYC - 8000K	5.065	4.817	3.067				

ORKIS CYC TA 20,4°C	Total Lumen Output [lm]			Color T. [K]	Color Render. Index	TLCI	TM30		CQS
	Distance from the wall: 0,9 m Height: 1 m						Rf	Rg	
	Standard mode	Silent mode	Fanless mode	CCT	CRI				
ORKIS CYC - 2500K	5.664	5.293	5.069	2.503	99	94	96	101	98
ORKIS CYC - 2700K	5.876	5.675	5.495	2.692	99	95	96	101	98
ORKIS CYC - 2800K	6.008	5.768	5.574	2.798	98	96	96	101	98
ORKIS CYC - 3000K	6.257	6.085	5.910	2.984	98	96	95	101	98
ORKIS CYC - 3100K	6.377	6.167	5.915	3.087	98	96	95	101	98
ORKIS CYC - 3200K	6.430	6.284	5.963	3.171	98	97	95	102	98
ORKIS CYC - 3750K	6.754	6.514	6.276	3.708	97	97	94	102	97
ORKIS CYC - 4000K	6.809	6.598	6.444	3.936	97	97	94	102	97
ORKIS CYC - 4200K	6.856	6.607	5.790	4.150	97	97	94	101	97
ORKIS CYC - 5000K	6.334	6.004	5.057	4.938	98	97	94	101	96
ORKIS CYC - 5500K	6.328	6.064	4.606	5.417	98	97	94	100	97
ORKIS CYC - 5600K	6.322	6.011	4.388	5.514	98	97	94	100	97
ORKIS CYC - 6000K	6.240	6.073	4.111	5.897	97	96	93	100	96
ORKIS CYC - 7000K	6.079	5.920	3.914	6.866	97	97	93	100	96
ORKIS CYC - 8000K	6.078	5.780	3.680	7.868	97	97	92	99	96

TM-30: 2500K

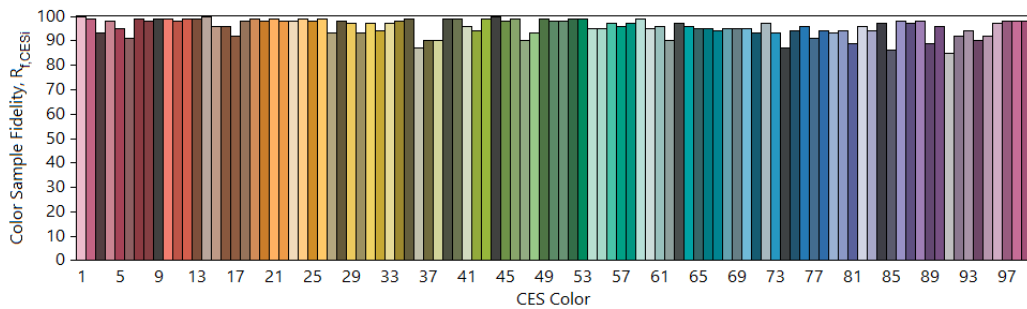
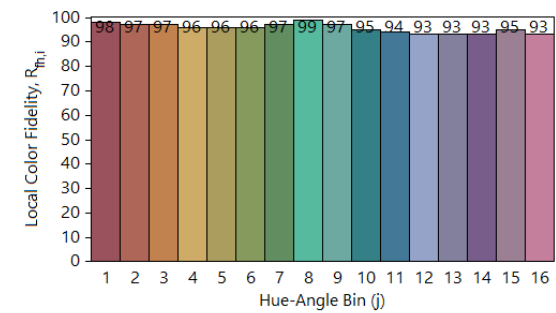
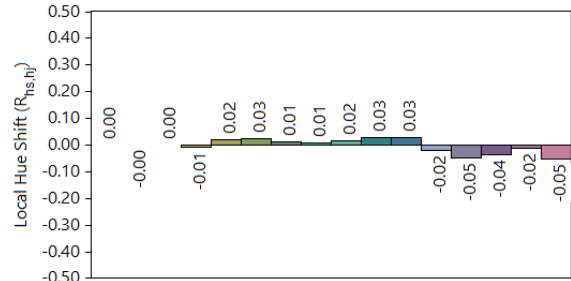
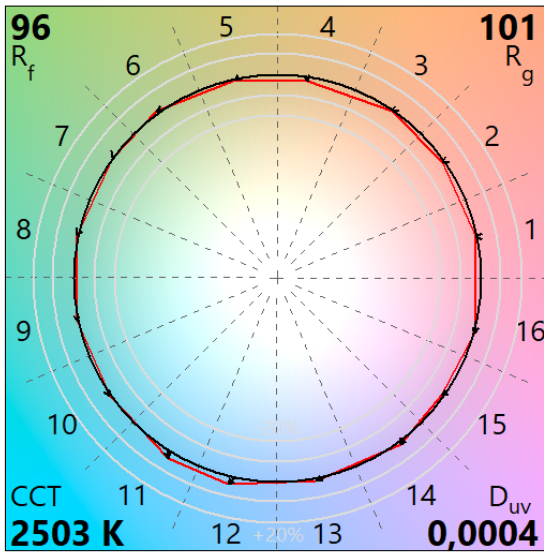
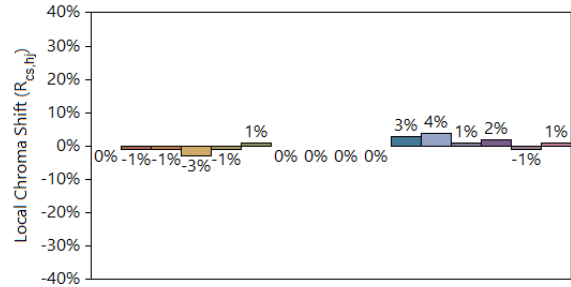
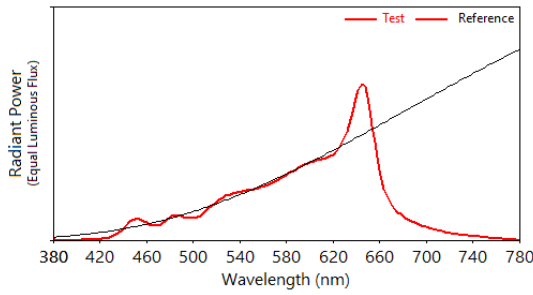
IES TM-30-18 Color Rendition Report

Source: Tc 2500K

Manufacturer: CLAY PAKY

Date: 25/01/2024

Model: ORKIS CYC



Notes:

x 0,4776
y 0,4150
u' 0,2719
v' 0,5317

CIE 13.3-1995
(CRI)
R_a 99
R_g 98

Colors are for visual orientation purposes only.

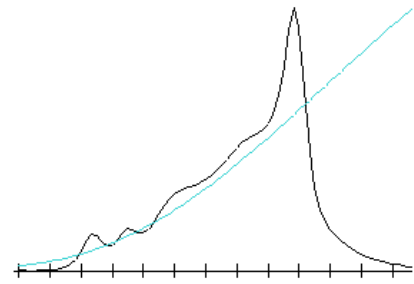
TLCI 2012: 2500K

Direct spectrum input : CCT = P2503 (+0.1)

TLCI-2012 : 94 (P2503)



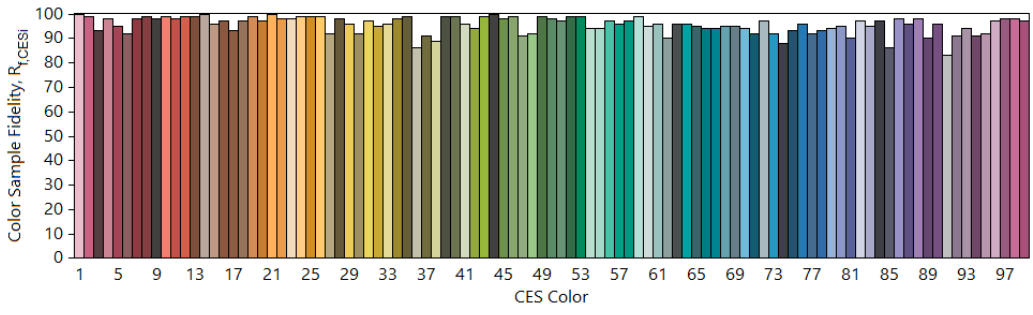
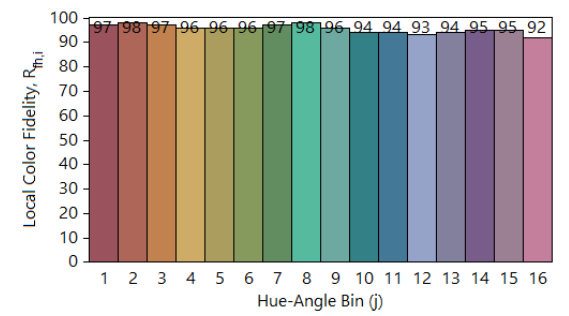
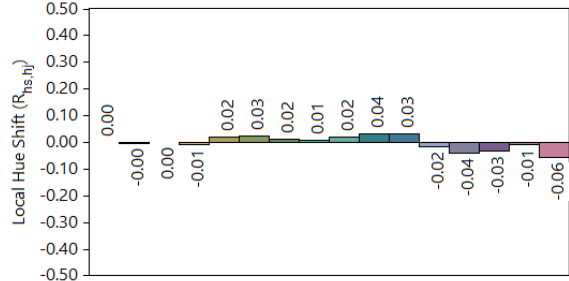
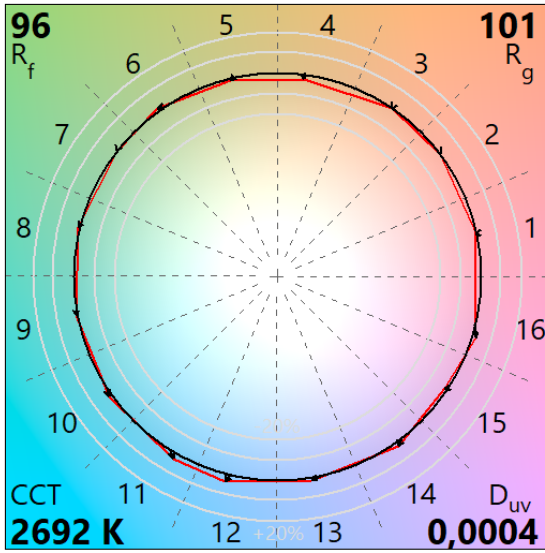
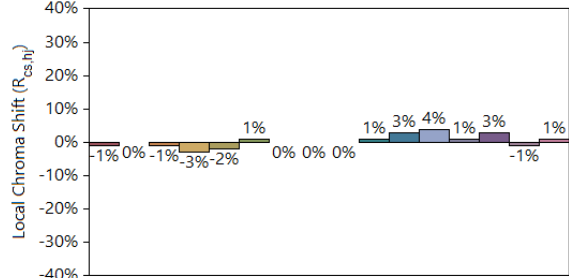
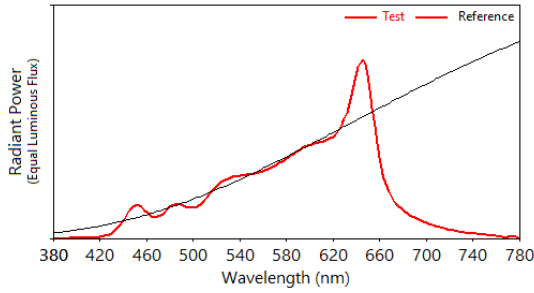
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	+++
M	+	0	+
M/R	+	0	0



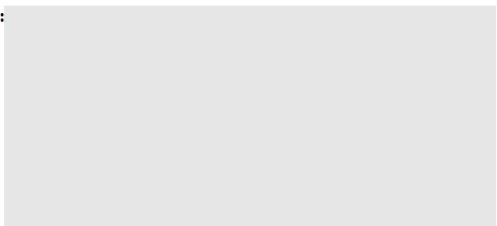
TM-30: 2700K

IES TM-30-18 Color Rendition Report

Source: Tc 2700K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,4613
y 0,4121
u' 0,2627
v' 0,5281

CIE 13.3-1995
(CRI)
R_a 98
R_g 99

Colors are for visual orientation purposes only.

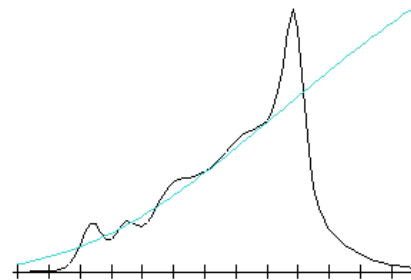
TLCI 2012: 2700K

Direct spectrum input : CCT = P2692 (+0.1)

TLCI-2012 : 95 (P2692)



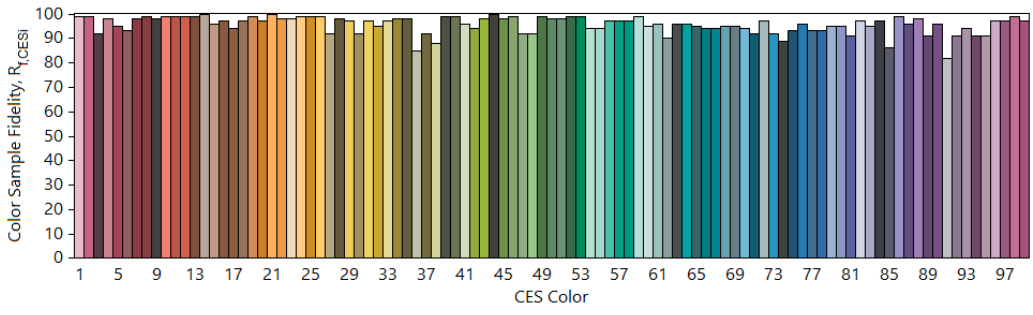
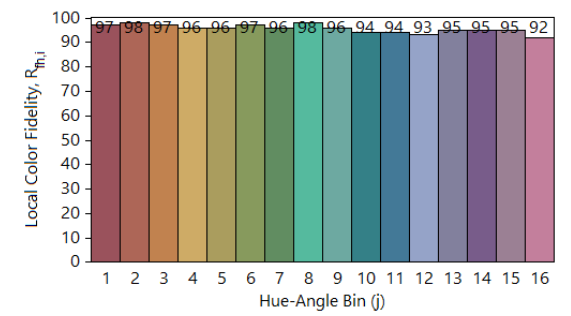
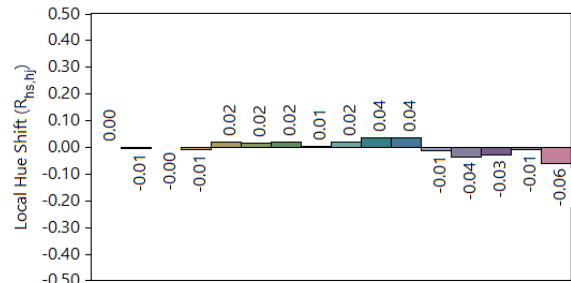
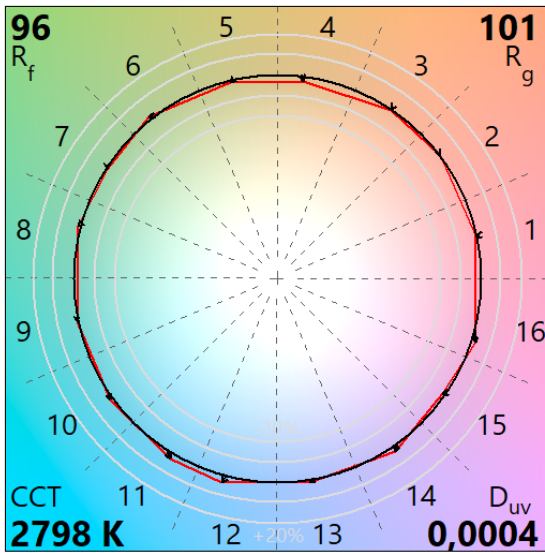
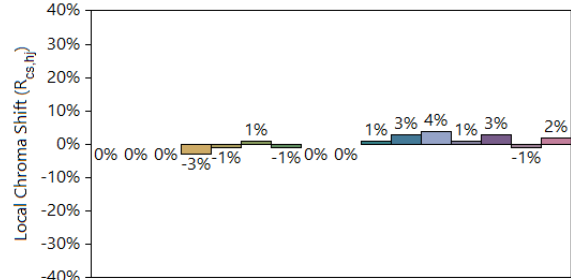
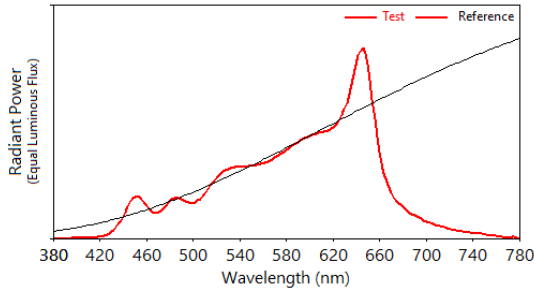
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	+	0	+
M/R	0	0	0



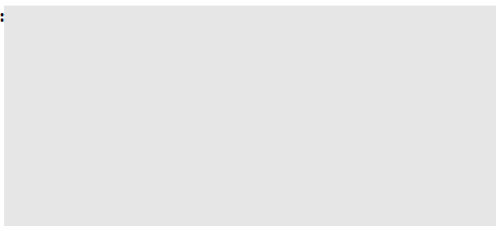
TM-30: 2800K

IES TM-30-18 Color Rendition Report

Source: Tc 2800K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,4526
y 0,4098
u' 0,2582
v' 0,5260

CIE 13.3-1995
(CRI)
R_a 98
R_g 99

Colors are for visual orientation purposes only.

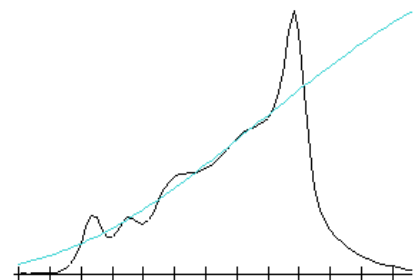
TLCI 2012: 2800K

Direct spectrum input : CCT = P2798 (+0.1)

TLCI-2012 : 96 (P2798)



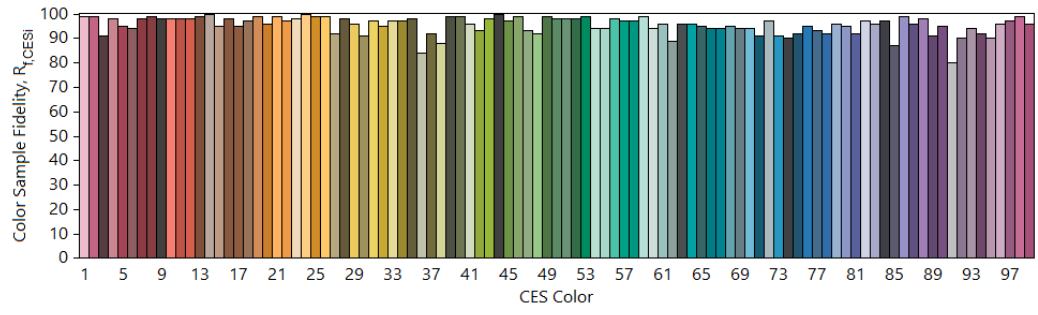
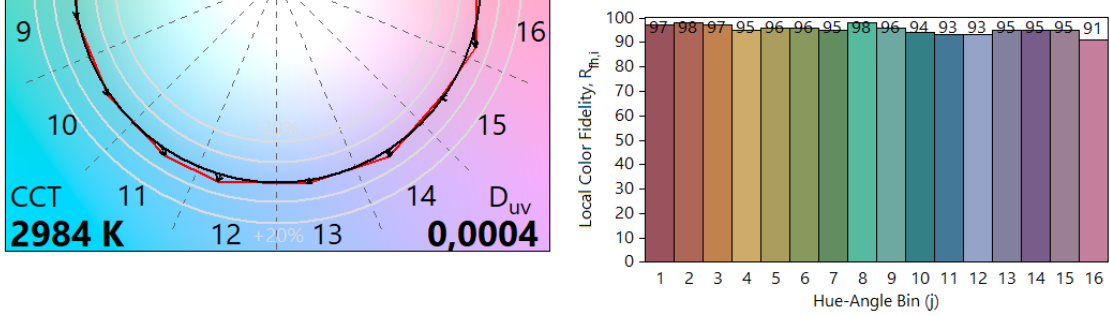
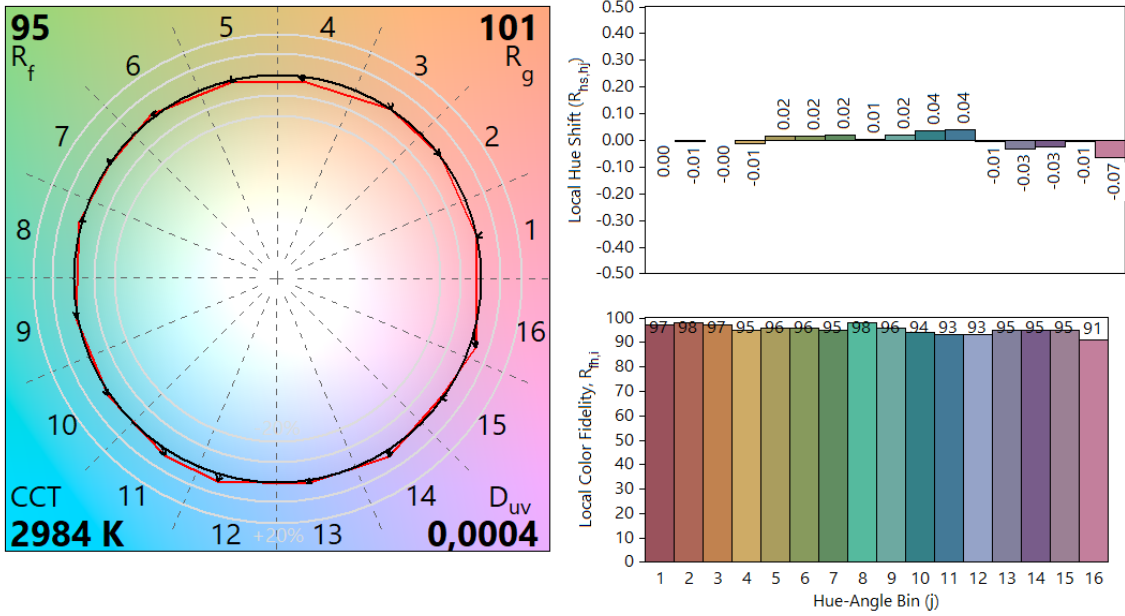
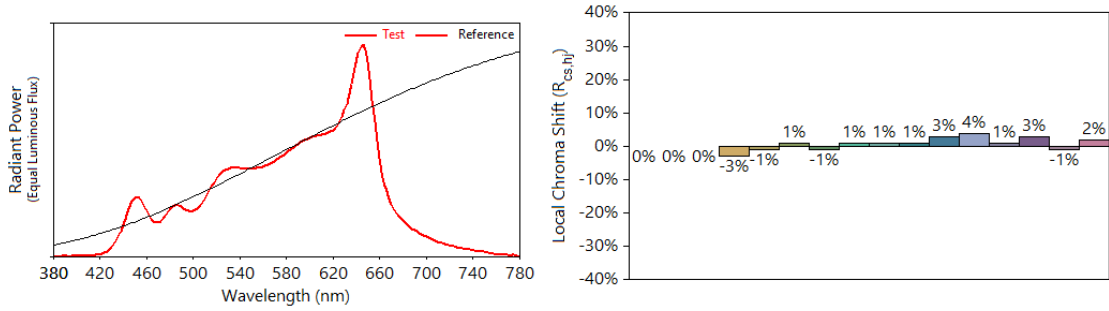
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	+	0	+
M/R	0	0	0



TM-30: 3000K

IES TM-30-18 Color Rendition Report

Source: Tc 3000K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:

x	0,4388	CIE 13.3-1995 (CRI) R _a 98 R _g 97
y	0,4058	
u'	0,2510	
v'	0,5223	

Colors are for visual orientation purposes only.

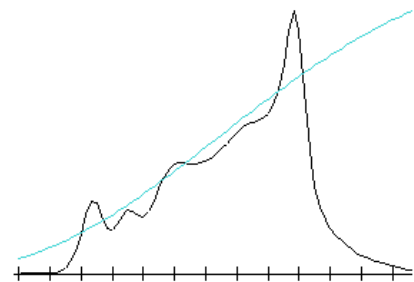
TLCI 2012: 3000K

Direct spectrum input : CCT = P2984 (+0.1)

TLCI-2012 : 96 (P2984)



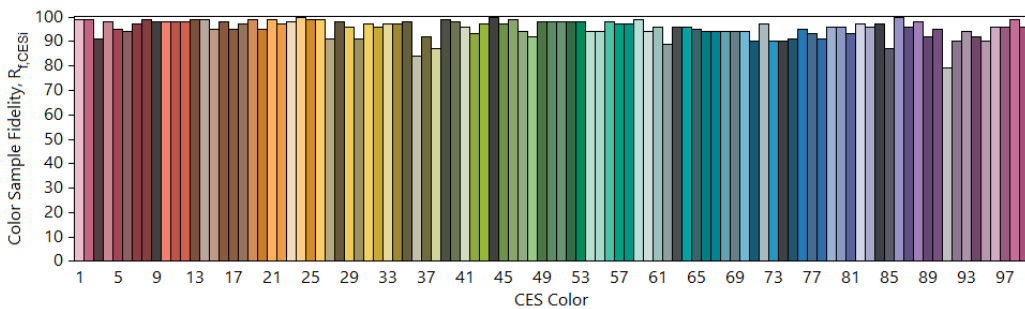
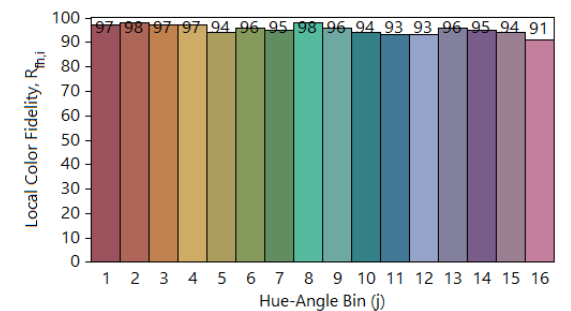
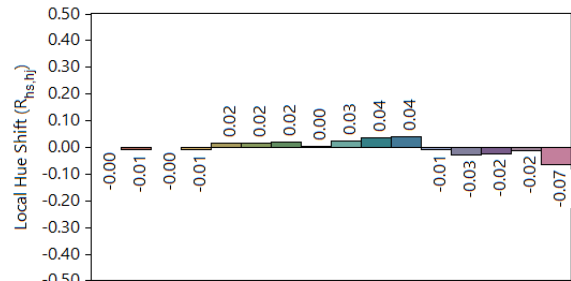
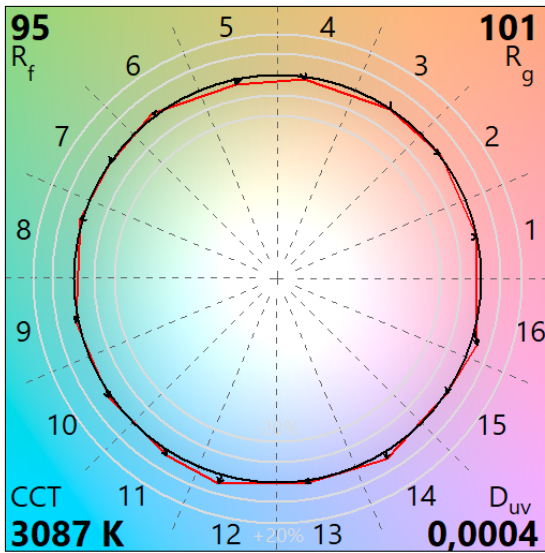
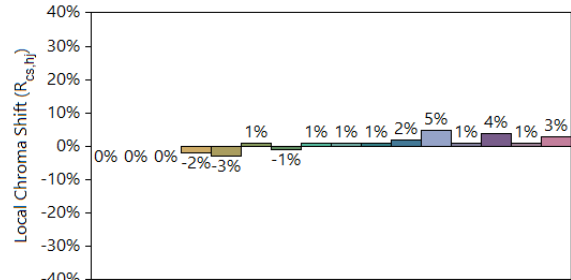
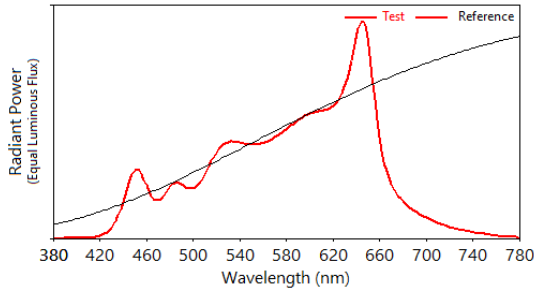
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



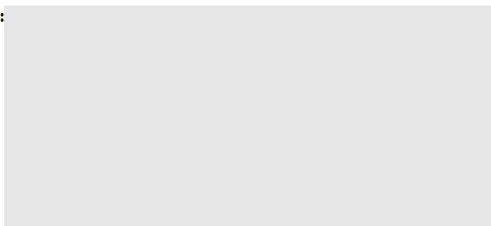
TM-30: 3100K

IES TM-30-18 Color Rendition Report

Source: Tc 3100K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,4314
y 0,4031
u' 0,2475
v' 0,5202

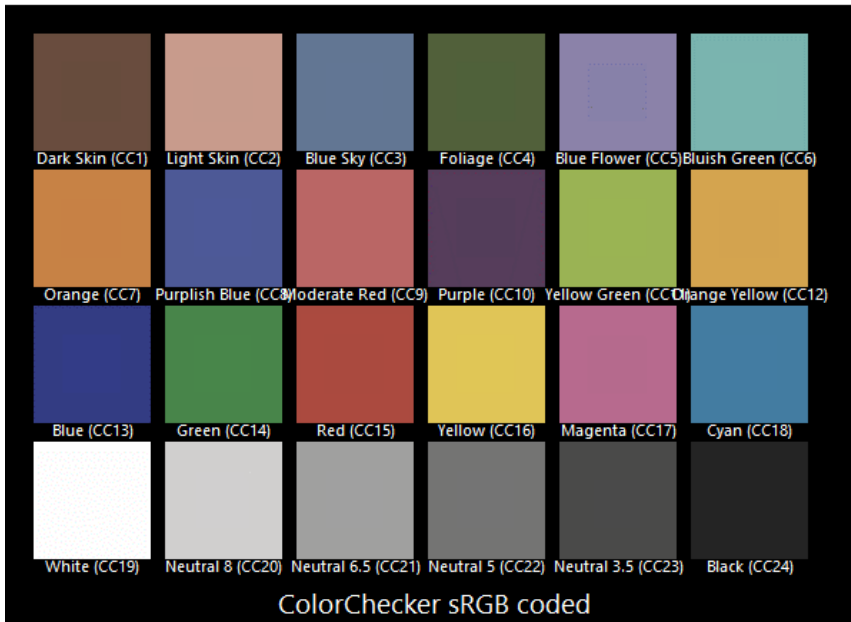
CIE 13.3-1995
(CRI)
R_a 98
R_g 96

Colors are for visual orientation purposes only.

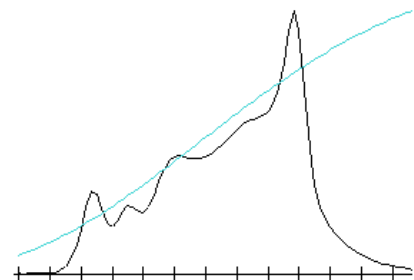
TLCI 2012: 3100K

Direct spectrum input : CCT = P3087 (+0.1)

TLCI-2012 : 96 (P3087)



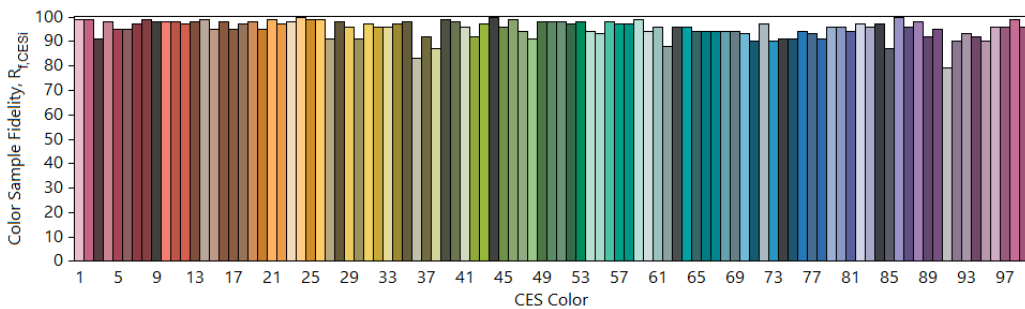
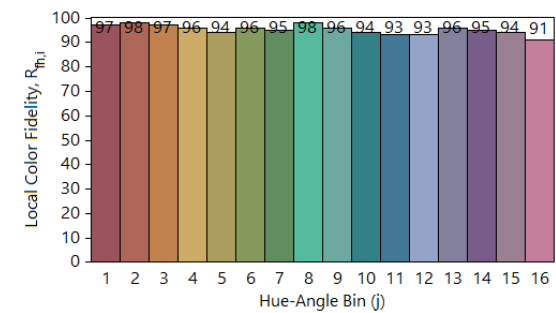
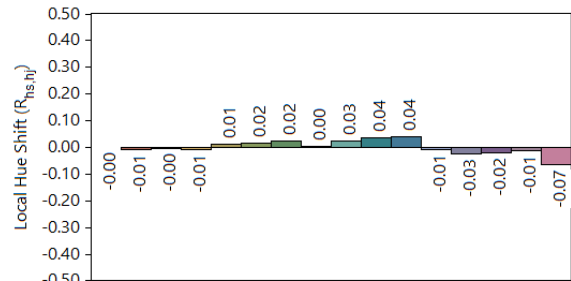
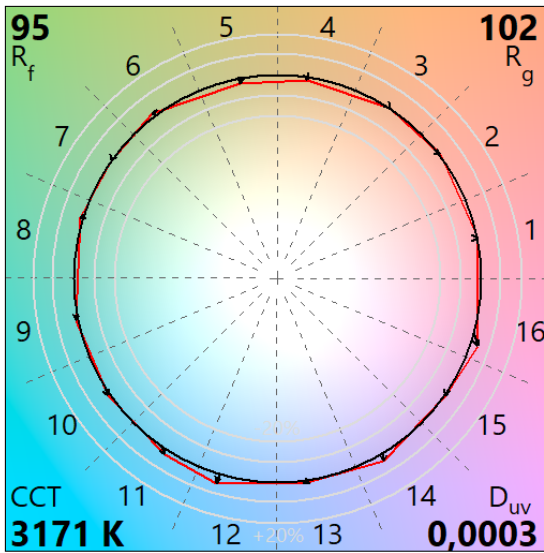
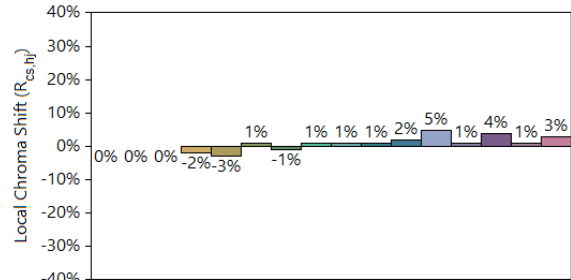
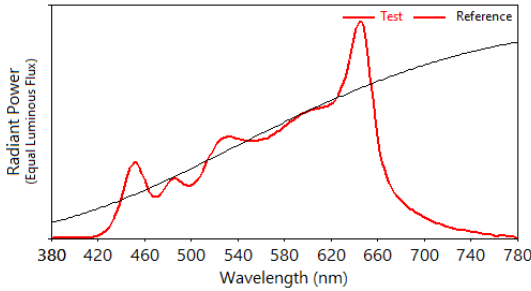
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



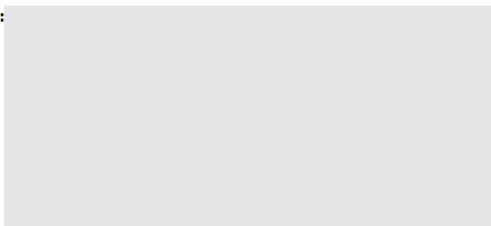
TM-30: 3200K

IES TM-30-18 Color Rendition Report

Source: Tc 3200K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,4257
y 0,4007
u' 0,2447
v' 0,5184

CIE 13.3-1995
(CRI)
R_a 98
R_g 95

Colors are for visual orientation purposes only.

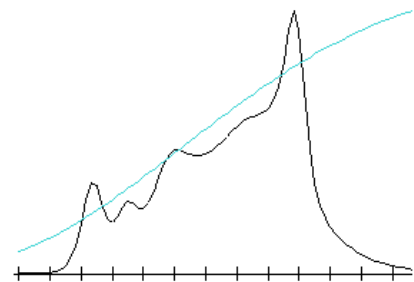
TLCI 2012: 3200K

Direct spectrum input : CCT = P3171 (+0.1)

TLCI-2012 : 97 (P3171)



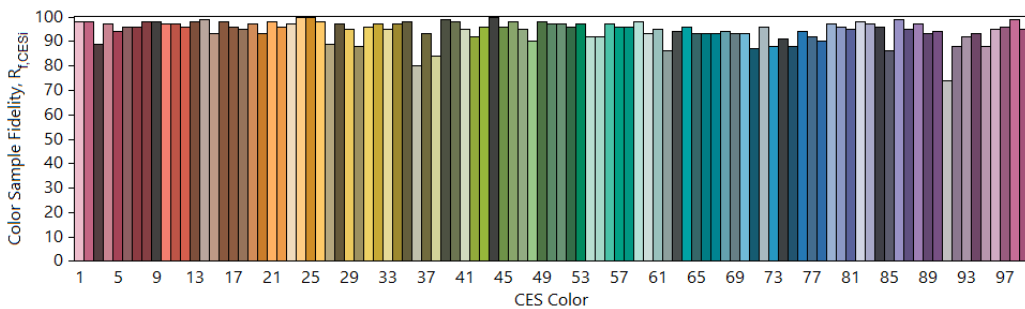
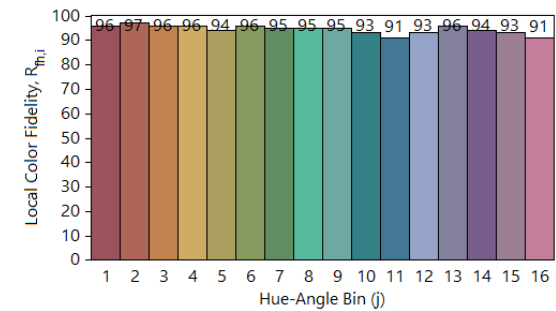
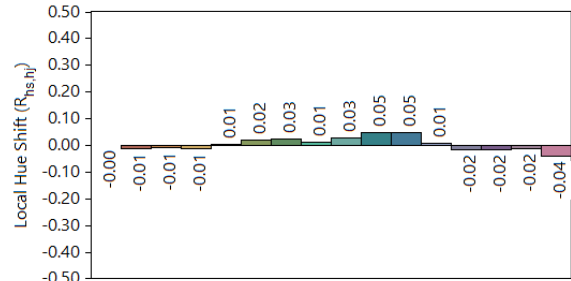
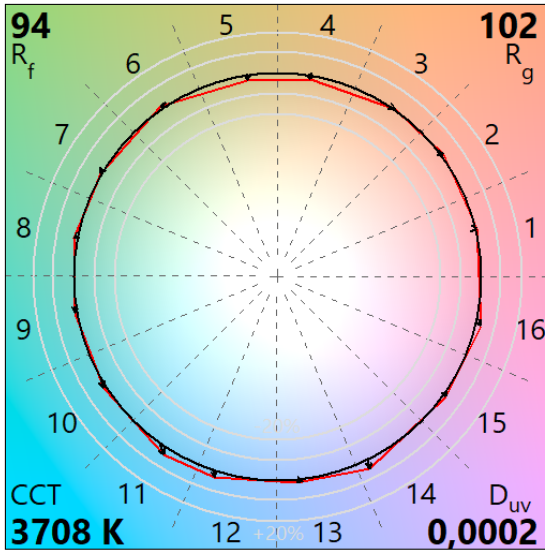
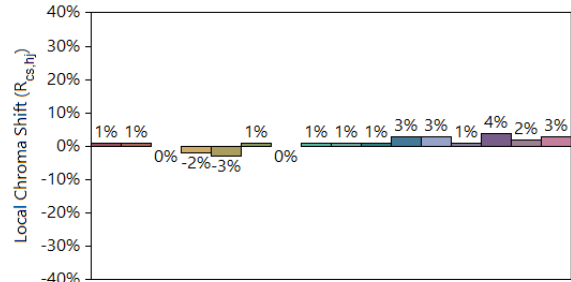
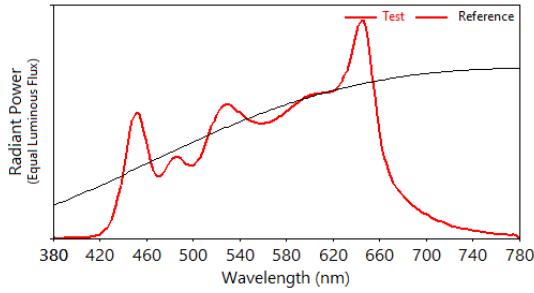
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



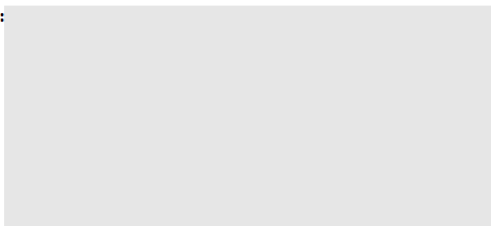
TM-30: 3700K

IES TM-30-18 Color Rendition Report

Source: Tc 3750K Manufacturer: CLAY PAKY
 Date: 25/01/2024 Model: ORKIS CYC



Notes:



x 0,3944
 y 0,3854
 u' 0,2308
 v' 0,5074

CIE 13.3-1995
 (CRI)
 Ra 97
 Rg 93

Colors are for visual orientation purposes only.

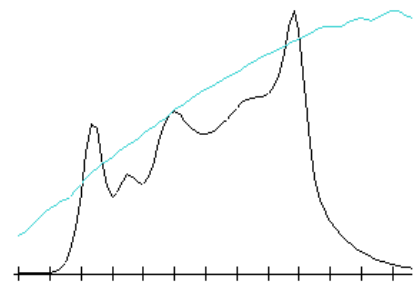
TLCI 2012: 3700K

Direct spectrum input : CCT = M3708 (0.0)

TLCI-2012 : 97 (M3708)



Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



TM-30: 4000K

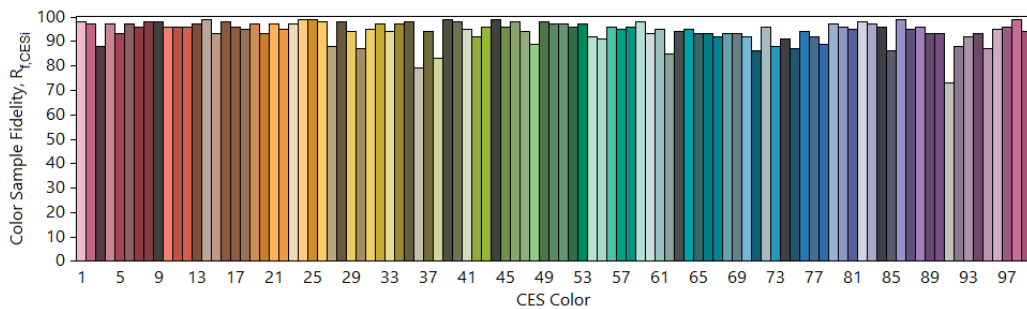
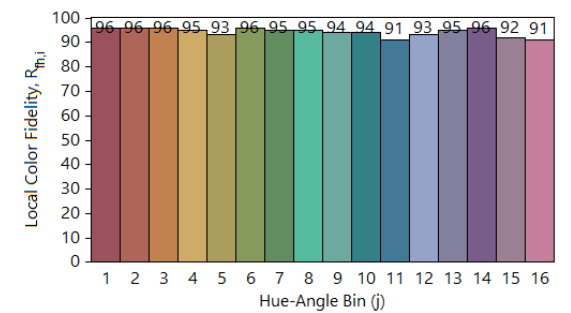
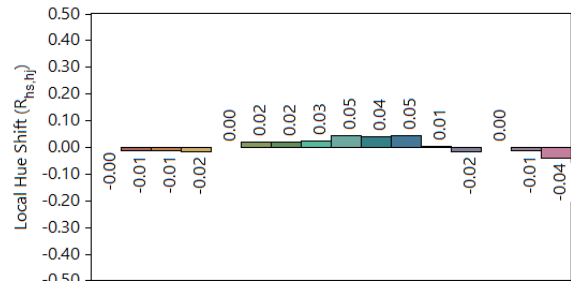
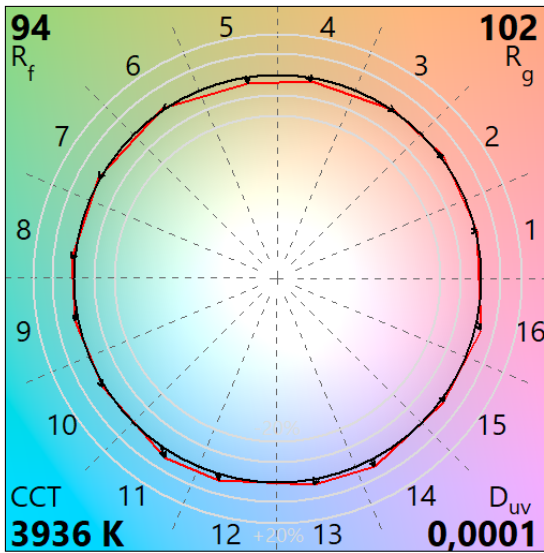
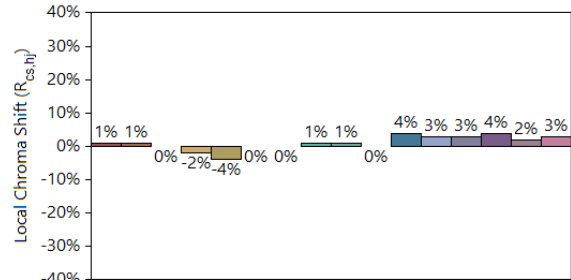
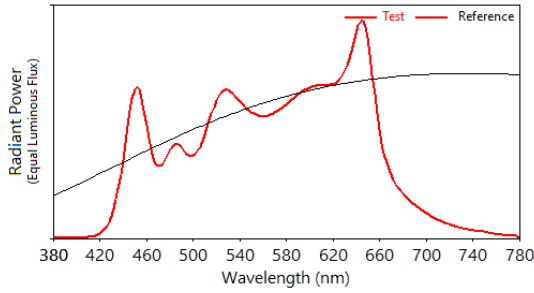
IES TM-30-18 Color Rendition Report

Source: Tc 4000K

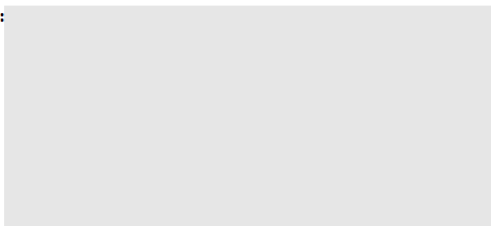
Manufacturer: CLAY PAKY

Date: 25/01/2024

Model: ORKIS CYC



Notes:



x 0,3833
y 0,3787
u' 0,2262
v' 0,5029

CIE 13.3-1995
(CRI)
R_a 97
R_g 92

Colors are for visual orientation purposes only.

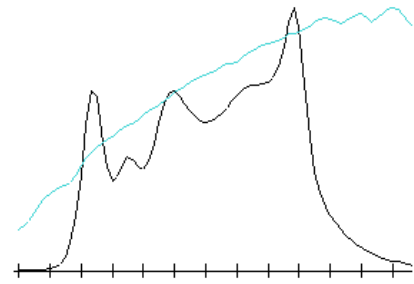
TLCI 2012: 4000K

Direct spectrum input : CCT = M3936 (0.0)

TLCI-2012 : 97 (M3936)



Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



TM-30: 4200K

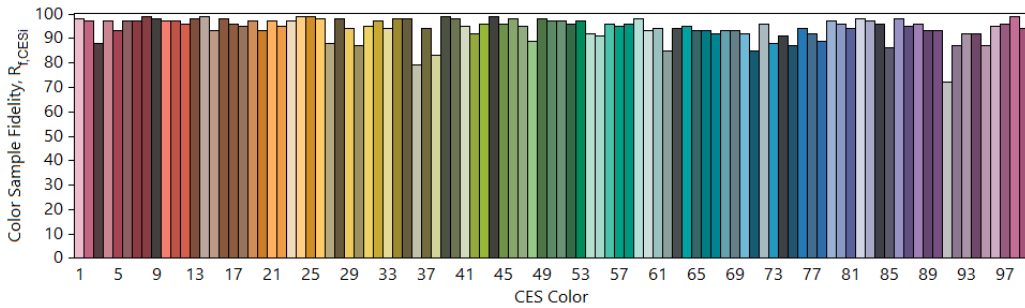
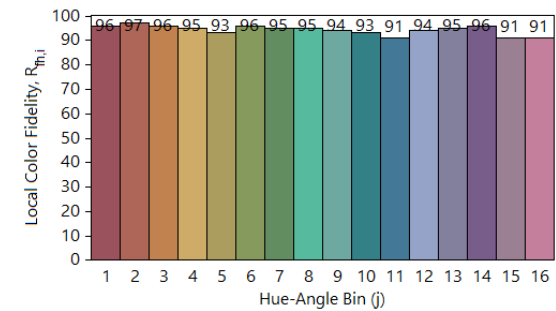
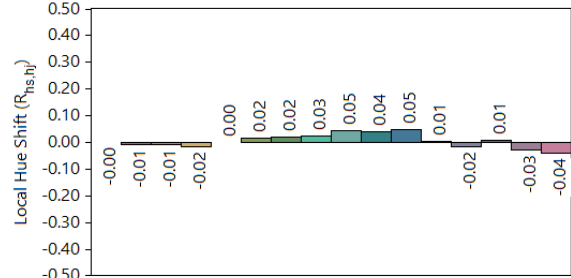
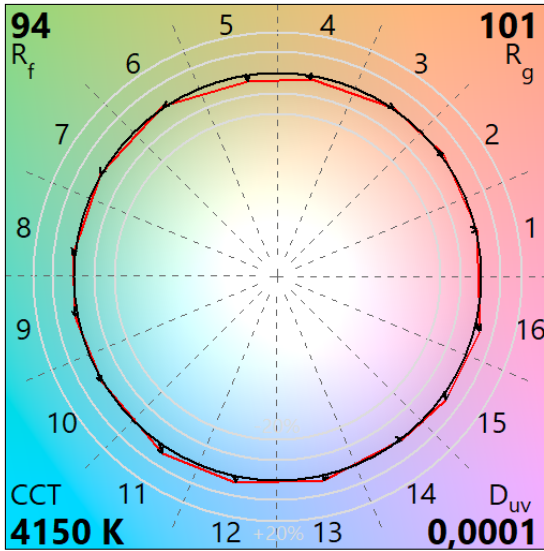
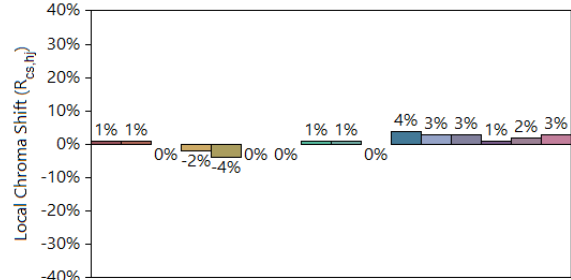
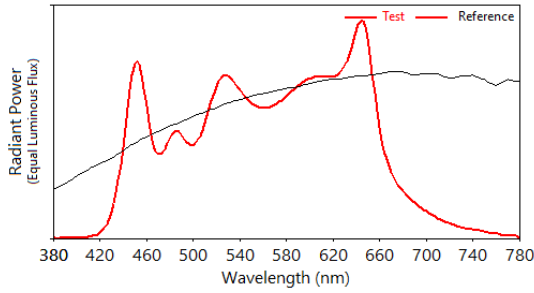
IES TM-30-18 Color Rendition Report

Source: Tc 4200K

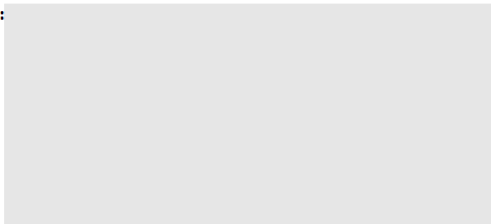
Manufacturer: CLAY PAKY

Date: 25/01/2024

Model: ORKIS CYC



Notes:



x 0,3741
y 0,3728
u' 0,2225
v' 0,4989

CIE 13.3-1995
(CRI)
R_a 97
R_g 93

Colors are for visual orientation purposes only.

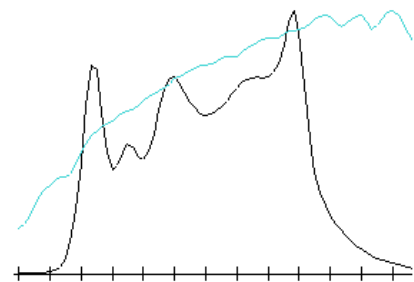
TLCI 2012: 4200K

Direct spectrum input : CCT = M4150 (+0.8)

TLCI-2012 : 97 (M4150)



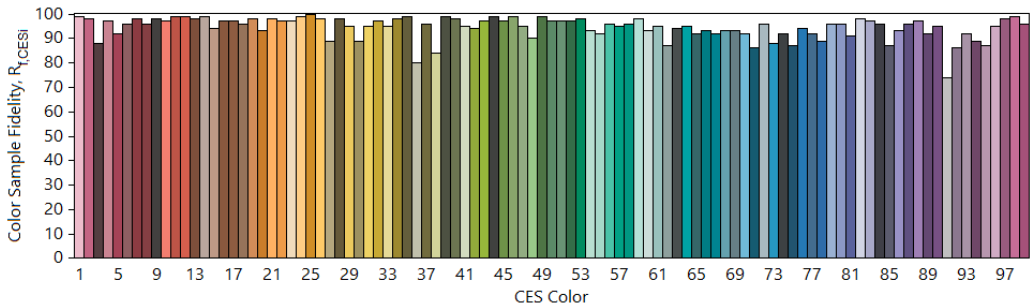
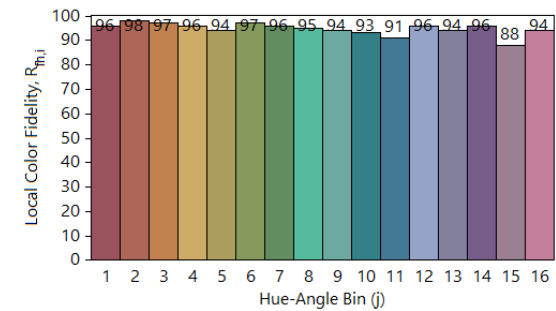
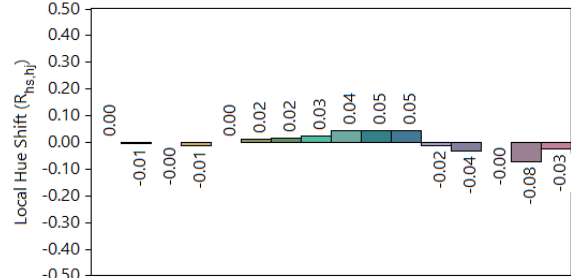
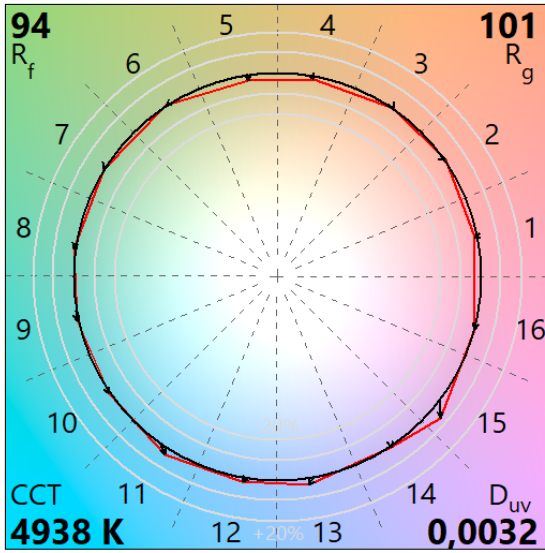
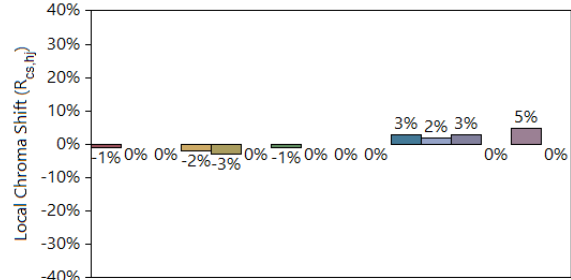
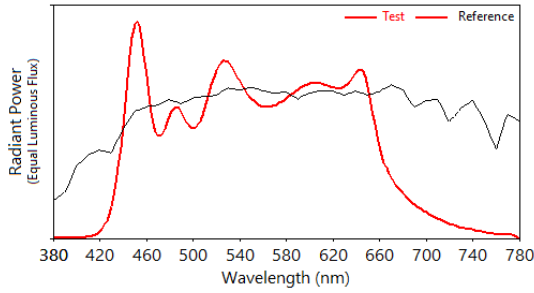
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	++
M	0	0	+
M/R	0	0	0



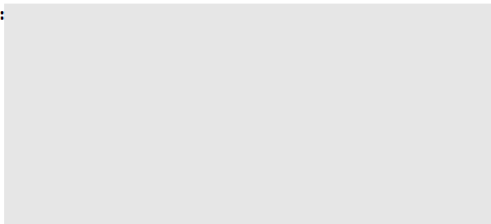
TM-30: 5000K

IES TM-30-18 Color Rendition Report

Source: Tc 5000K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,3476
y 0,3599
u' 0,2099
v' 0,4890

CIE 13.3-1995
(CRI)
R_a 98
R_g 92

Colors are for visual orientation purposes only.

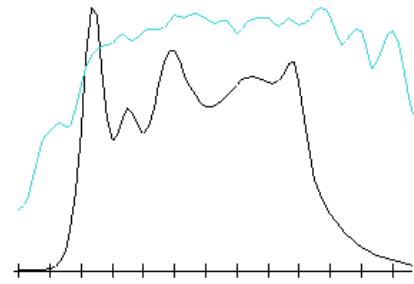
TLCI 2012: 5000K

Direct spectrum input : CCT = M4938 (+0.6)

TLCI-2012 : 97 (M4938)



Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	0	+
M	+	0	+
M/R	+	0	0



TM-30: 5500K

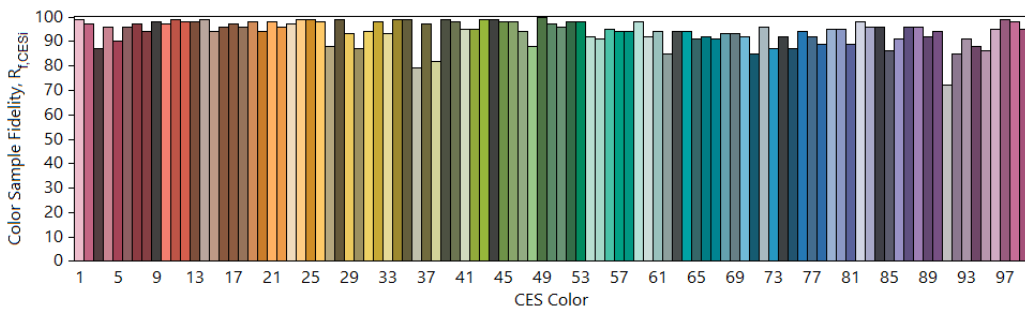
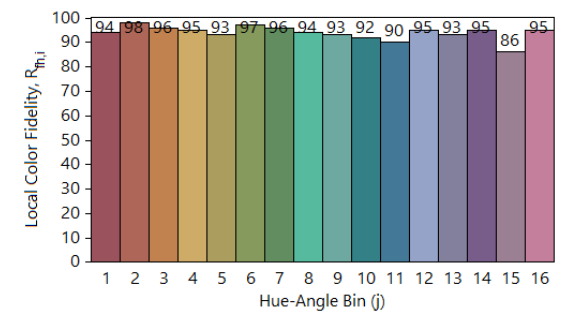
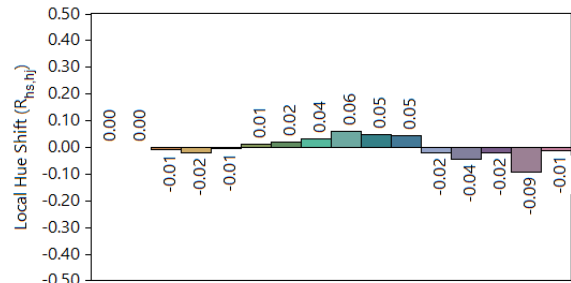
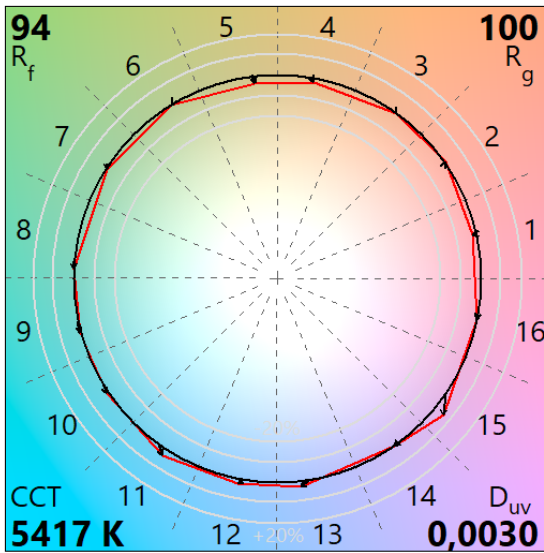
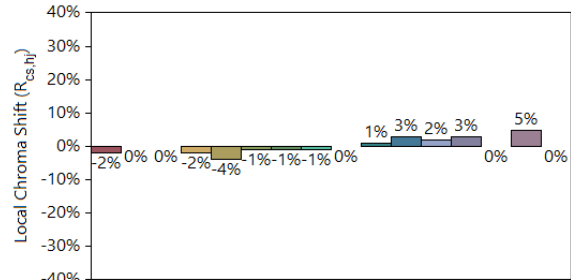
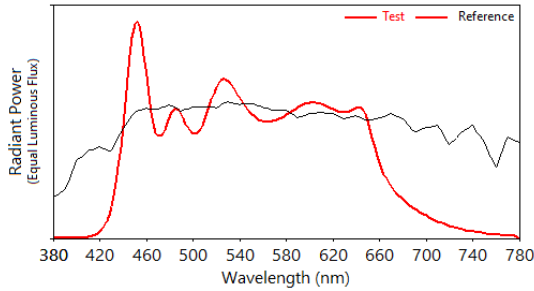
IES TM-30-18 Color Rendition Report

Source: Tc 5500K

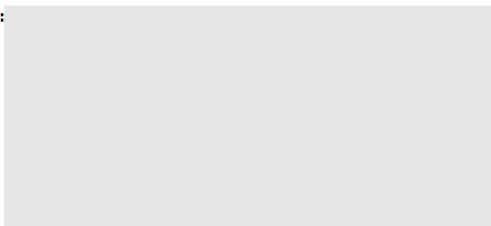
Manufacturer: CLAY PAKY

Date: 25/01/2024

Model: ORKIS CYC



Notes:



x 0,3345
y 0,3488
u' 0,2053
v' 0,4817

CIE 13.3-1995
(CRI)
R_a 98
R_g 88

Colors are for visual orientation purposes only.

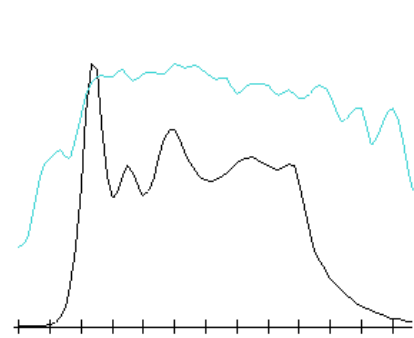
TLCI 2012: 5500K

Direct spectrum input : CCT = D5417 (0.0)

TLCI-2012 : 97 (D5417)



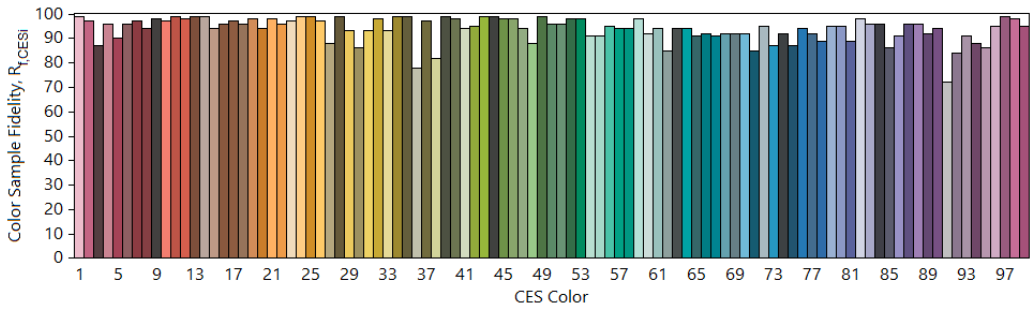
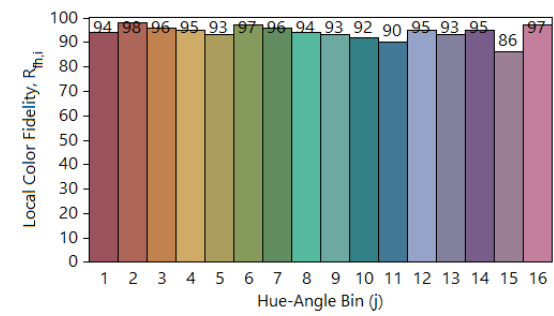
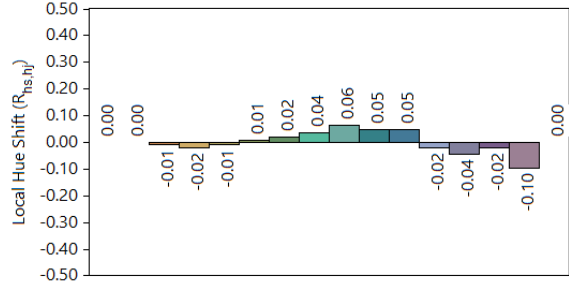
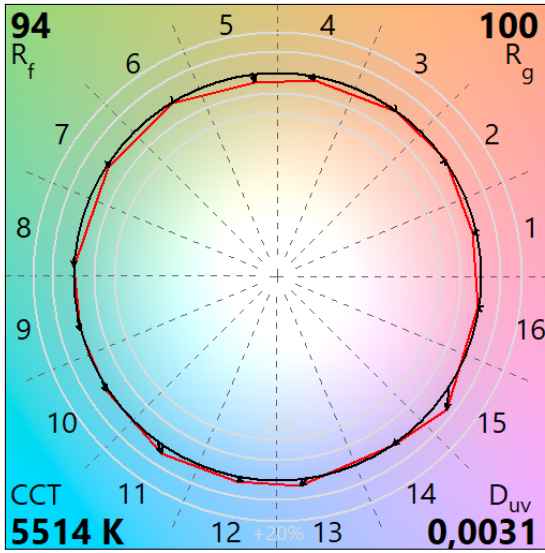
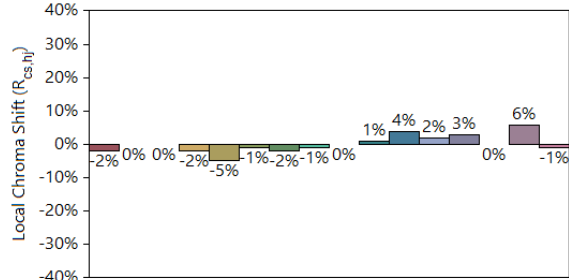
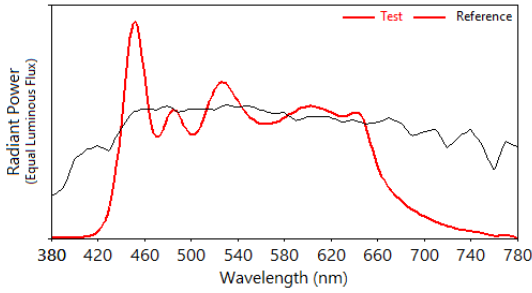
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	+	+
M	+	0	+
M/R	+	0	0



TM-30: 5600K

IES TM-30-18 Color Rendition Report

Source: Tc 5600K Manufacturer: CLAY PAKY
 Date: 25/01/2024 Model: ORKIS CYC



Notes:

x 0,3322	CIE 13.3-1995 (CRI) R_a 98 R_g 87
y 0,3468	
u' 0,2045	
v' 0,4804	

Colors are for visual orientation purposes only.

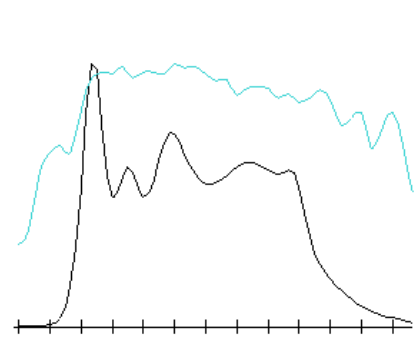
TLCI 2012: 5600K

Direct spectrum input : CCT = D5514 (0.0)

TLCI-2012 : 97 (D5514)



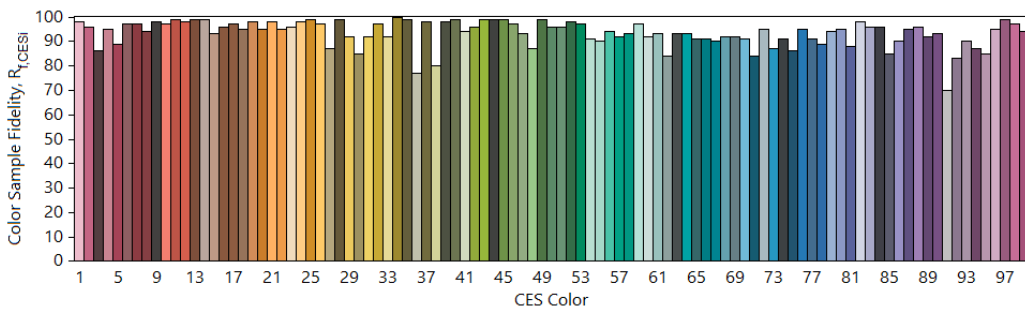
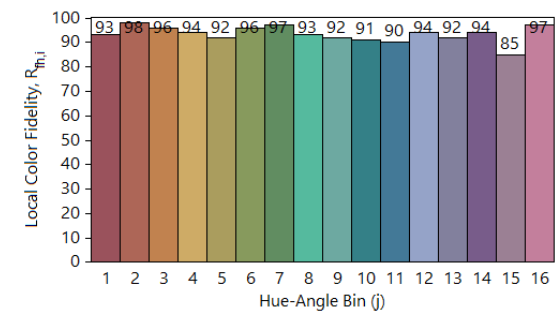
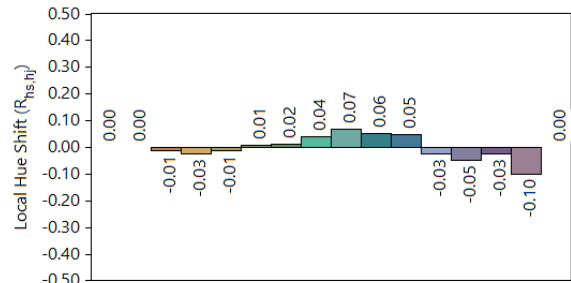
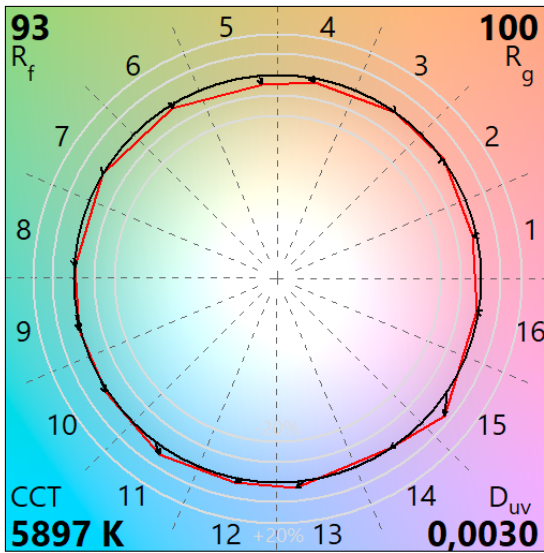
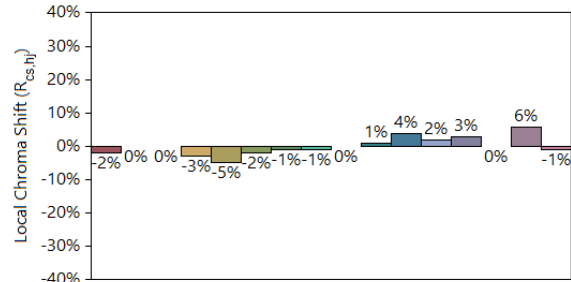
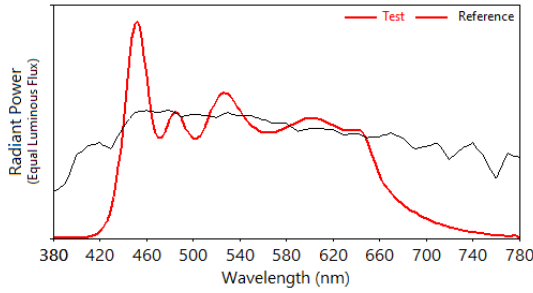
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	+	+
M	+	0	+
M/R	+	0	0



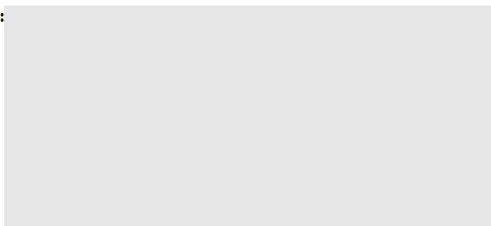
TM-30: 6000K

IES TM-30-18 Color Rendition Report

Source: Tc 6000K Manufacturer: CLAY PAKY
 Date: 25/01/2024 Model: ORKIS CYC



Notes:



x 0,3238
 y 0,3391
 u' 0,2017
 v' 0,4753

CIE 13.3-1995
 (CRI)
 R_a 97
 R_g 87

Colors are for visual orientation purposes only.

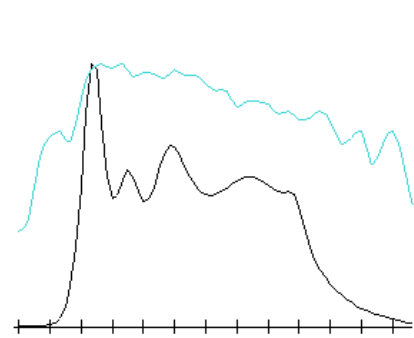
TLCI 2012: 6000K

Direct spectrum input : CCT = D5897 (0.0)

TLCI-2012 : 96 (D5897)



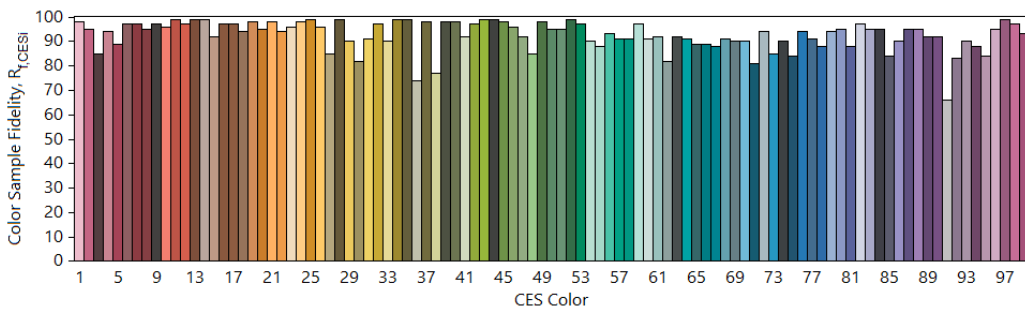
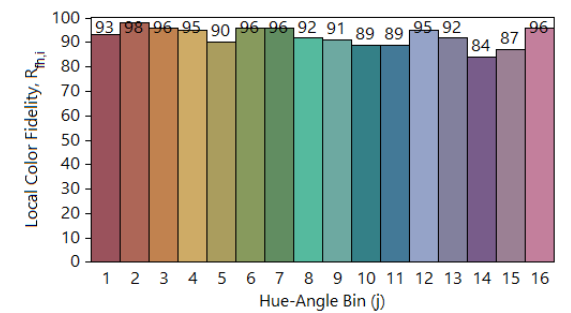
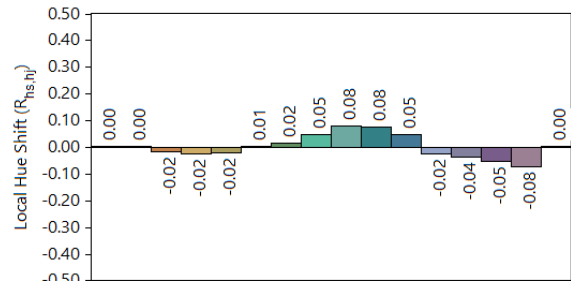
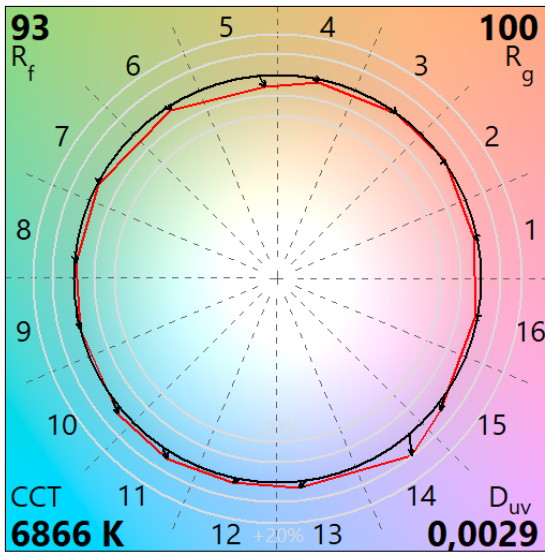
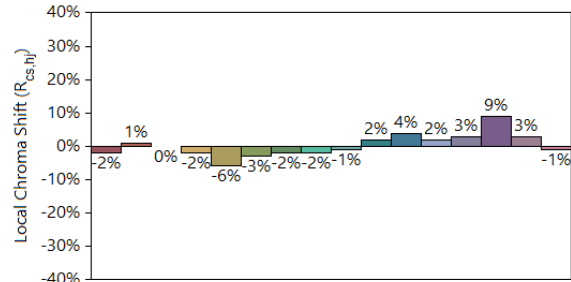
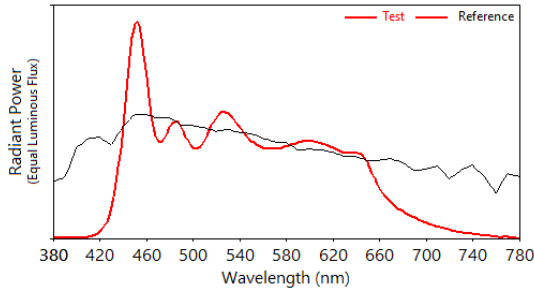
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	+	+	+
M	+	0	+
M/R	+	0	0



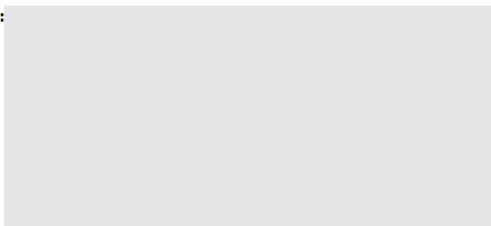
TM-30: 7000K

IES TM-30-18 Color Rendition Report

Source: Tc 7000K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,3073
y 0,3230
u' 0,1963
v' 0,4643

CIE 13.3-1995
(CRI)
 R_a 97
 R_g 89

Colors are for visual orientation purposes only.

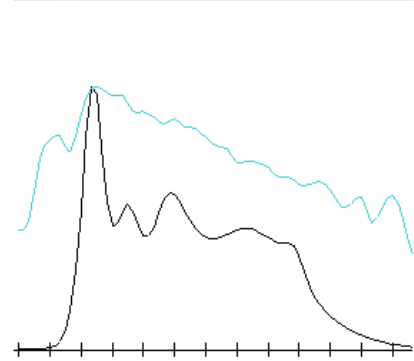
TLCI 2012: 7000K

Direct spectrum input : CCT = D6866 (0.0)

TLCI-2012 : 97 (D6866)



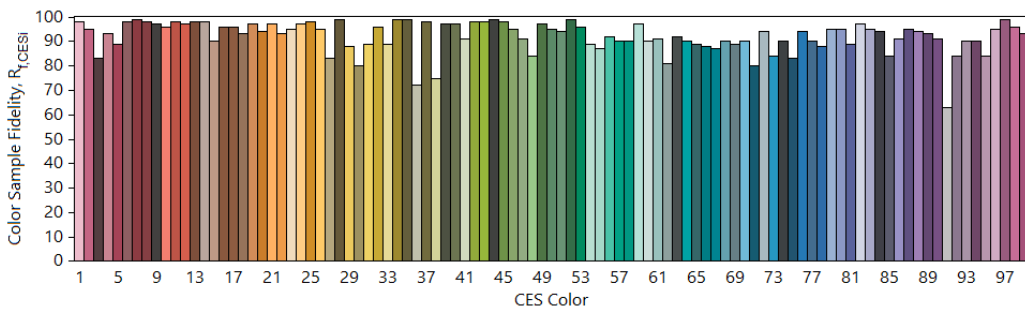
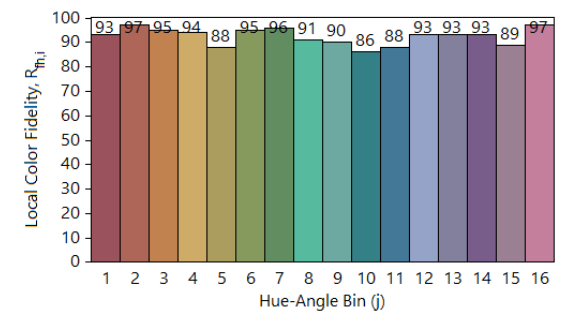
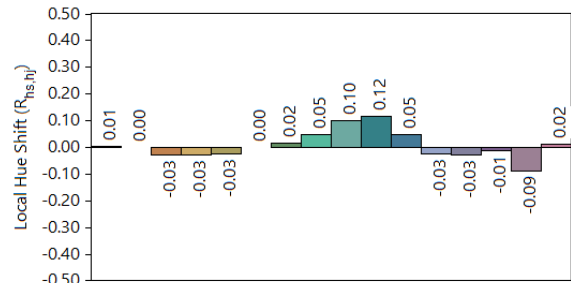
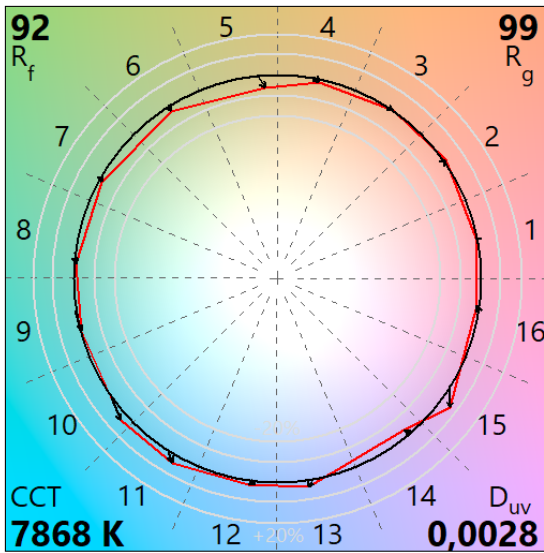
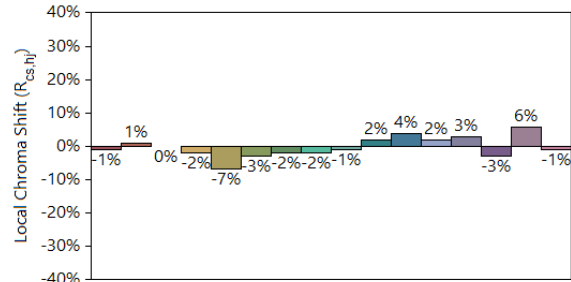
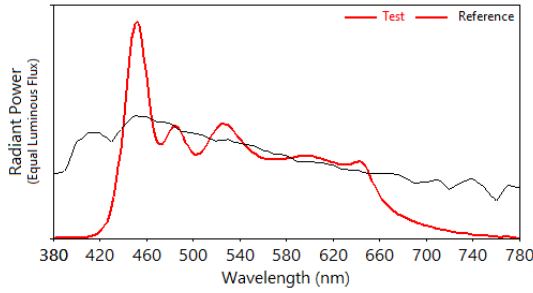
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	-
B	0	0	0
B/M	+	+	+
M	+	0	0
M/R	+	0	0



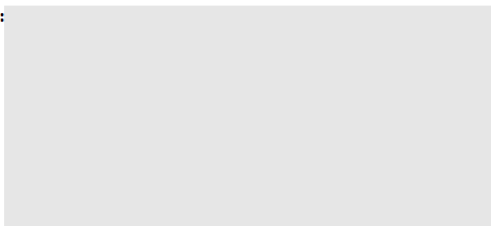
TM-30: 8000K

IES TM-30-18 Color Rendition Report

Source: Tc 8000K	Manufacturer: CLAY PAKY
Date: 25/01/2024	Model: ORKIS CYC



Notes:



x 0,2952
y 0,3101
u' 0,1926
v' 0,4552

CIE 13.3-1995
(CRI)
R_a 97
R_g 97

Colors are for visual orientation purposes only.

TLCI 2012: 8000K

Direct spectrum input : CCT = D7868 (-0.1)

TLCI-2012 : 97 (D7868)



Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	-
B	0	0	0
B/M	+	+	+
M	+	0	0
M/R	+	0	0

