

# PHOTOMETRIC TEST REPORT



## FIXTURE DATA

**Manufacturer:** Clay Paky s.r.l.  
**Fixture model:** TAMBORA GLARE  
**Date:** 2025-04-17

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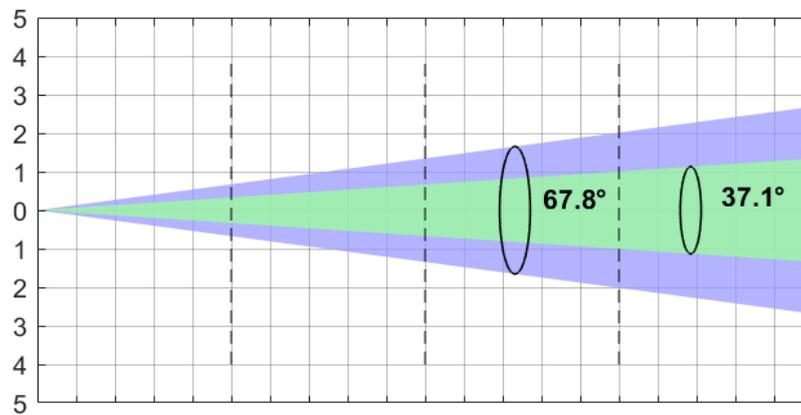
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**FAN MODE: AUTO**

**Auto Fan mode (67.8° 10% - 37.1° 50%)**

**Total Output: 8076 lumens**

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour	10298 (957)	2575 (239)	1144 (106)	644 (60)
Red	8449 (785)	2112 (196)	939 (87)	528 (49)
Green	9942 (924)	2486 (231)	1105 (103)	621 (58)
Blue	1142 (106)	286 (27)	127 (12)	71 (7)
Amber	3116 (289)	779 (72)	346 (32)	195 (18)
CTO 4%	11024 (1024)	2756 (256)	1225 (114)	689 (64)
CTO 100%	11059 (1027)	2765 (257)	1229 (114)	691 (64)



Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10%	m (ft in)	0	1.34 (4' 5")	2.68 (8' 10")	4.02 (13' 2")	5.36 (17' 7")
Diameter 50%	m (ft in)	0	0.67 (2' 2")	1.34 (4' 5")	2.01 (6' 7")	2.68 (8' 10")

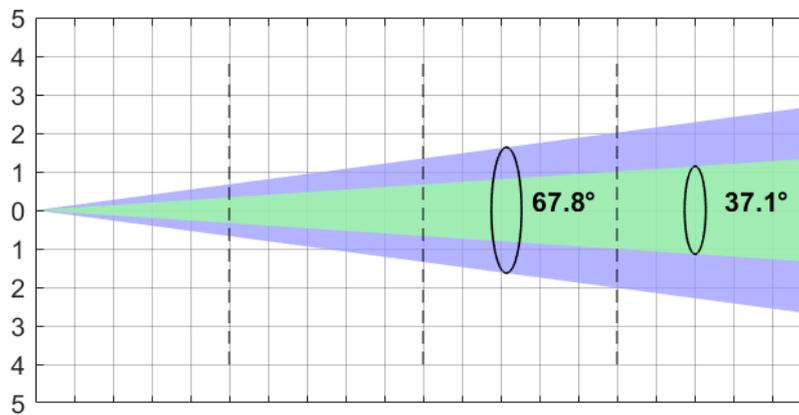
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

**FAN MODE: CONSTANT**

**Constant Fan mode (67.8° 10% - 37.1° 50%)**

**Total Output: 8009 lumens**

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour	10311 (958)	2578 (239)	1146 (106)	644 (60)
Red	8634 (802)	2159 (201)	959 (89)	540 (50)
Green	10003 (929)	2501 (232)	1111 (103)	625 (58)
Blue	1143 (106)	286 (27)	127 (12)	71 (7)
Amber	3294 (306)	824 (77)	366 (34)	206 (19)
CTO 4%	11160 (1037)	2790 (259)	1240 (115)	698 (65)
CTO 100%	11212 (1042)	2803 (260)	1246 (116)	701 (65)



Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10%	m (ft in)	0	1.34 (4' 5")	2.68 (8' 10")	4.02 (13' 2")	5.36 (17' 7")
Diameter 50%	m (ft in)	0	0.67 (2' 2")	1.34 (4' 5")	2.01 (6' 7")	2.68 (8' 10")

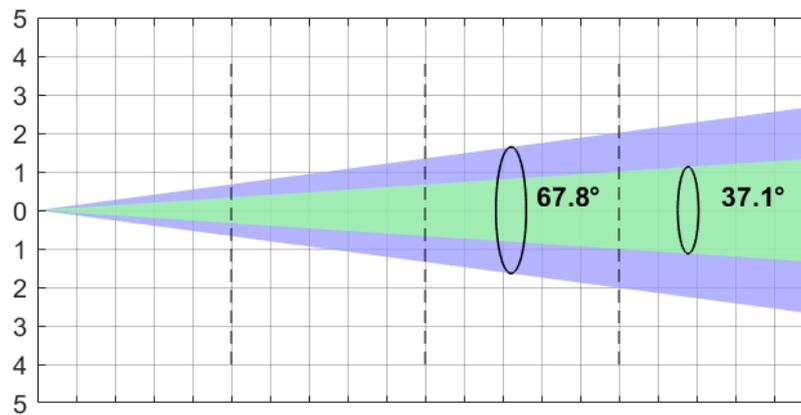
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

## FAN MODE: SILENT

### Silent Fan mode (67.8° 10% - 37.1° 50%)

**Total Output: 8107 lumens**

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour	10295 (956)	2574 (239)	1144 (106)	643 (60)
Red	8352 (776)	2088 (194)	928 (86)	522 (48)
Green	9971 (926)	2493 (232)	1108 (103)	623 (58)
Blue	1146 (106)	287 (27)	127 (12)	72 (7)
Amber	3210 (298)	803 (75)	357 (33)	201 (19)
CTO 4%	11298 (1050)	2825 (262)	1255 (117)	706 (66)
CTO 100%	11255 (1046)	2814 (261)	1251 (116)	703 (65)



Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10%	m (ft in)	0	1.34 (4' 5")	2.68 (8' 10")	4.02 (13' 2")	5.36 (17' 7")
Diameter 50%	m (ft in)	0	0.67 (2' 2")	1.34 (4' 5")	2.01 (6' 7")	2.68 (8' 10")

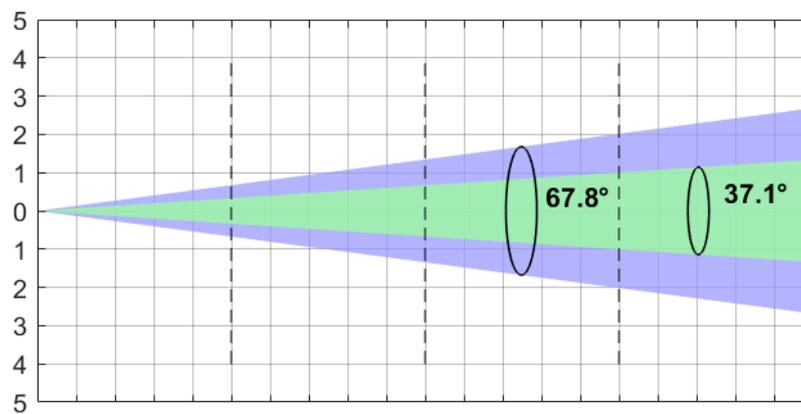
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

## FAN MODE: THEATRE

### Theatre Fan mode (67.8° 10% - 37.1° 50%)

**Total Output: 4410 lumens**

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour	5621 (522)	1405 (131)	625 (58)	351 (33)
Red	4903 (455)	1226 (114)	545 (51)	306 (28)
Green	5120 (476)	1280 (119)	569 (53)	320 (30)
Blue	569 (53)	142 (13)	63 (6)	36 (3)
Amber	2161 (201)	540 (50)	240 (22)	135 (13)
CTO 4%	6267 (582)	1567 (146)	696 (65)	392 (36)
CTO 100%	6480 (602)	1620 (151)	720 (67)	405 (38)



Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10%	m (ft in)	0	1.34 (4' 5")	2.68 (8' 10")	4.02 (13' 2")	5.36 (17' 7")
Diameter 50%	m (ft in)	0	0.67 (2' 2")	1.34 (4' 5")	2.01 (6' 7")	2.68 (8' 10")

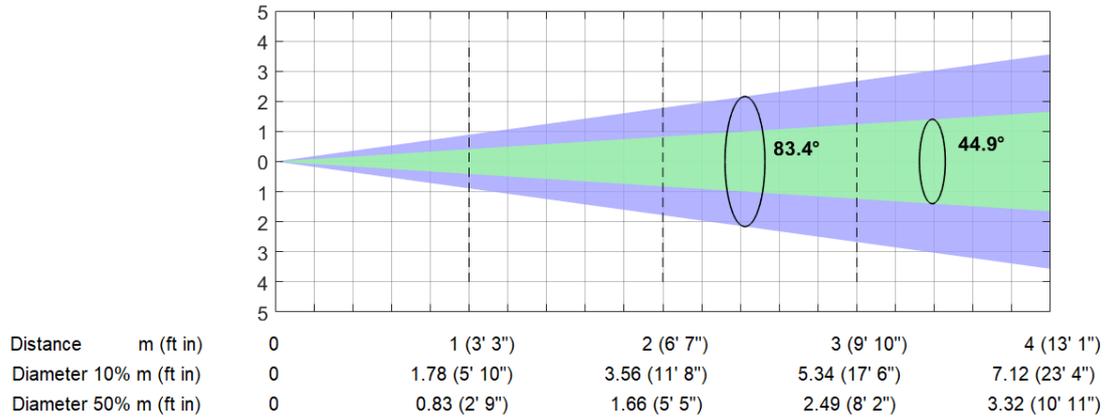
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

## FAN MODE: AUTO - STROBE

### Auto Fan mode (83.4° 10% - 44.9° 50%)

**Total Output:** 19874 lumens

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour + Strobe Led	14239 (1323)	3560 (331)	1582 (147)	890 (83)
Strobe Led	4820 (448)	1205 (112)	536 (50)	301 (28)



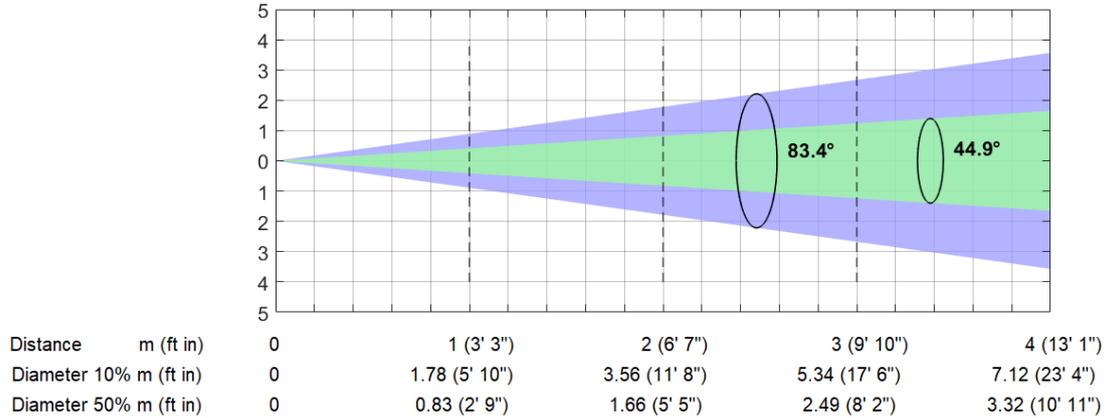
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

## FAN MODE: CONSTANT - STROBE

### Constant Fan mode (83.4° 10% - 44.9° 50%)

**Total Output:** 19798 lumens

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour + Strobe Led	14322 (1331)	3581 (333)	1591 (148)	895 (83)
Strobe Led	4857 (451)	1214 (113)	540 (50)	304 (28)



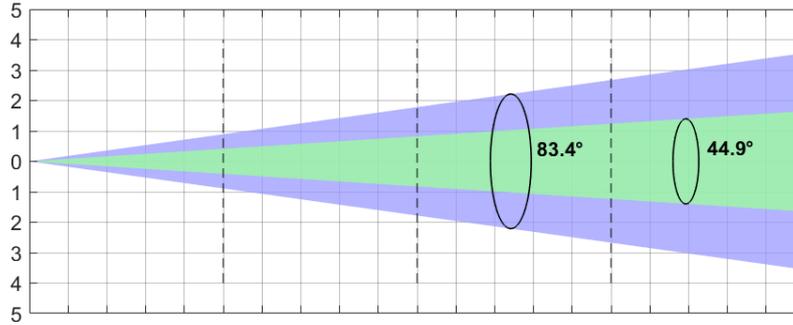
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

# FAN MODE: SILENT - STROBE

## Silent Fan mode (83.4° 10% - 44.9° 50%)

**Total Output:** 16579 lumens

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour + Strobe Led	12916 (1200)	3229 (300)	1435 (133)	807 (75)
Strobe Led	4820 (448)	1205 (112)	536 (50)	301 (28)



Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10% m (ft in)		0	1.78 (5' 10")	3.56 (11' 8")	5.34 (17' 6")	7.12 (23' 4")
Diameter 50% m (ft in)		0	0.83 (2' 9")	1.66 (5' 5")	2.49 (8' 2")	3.32 (10' 11")

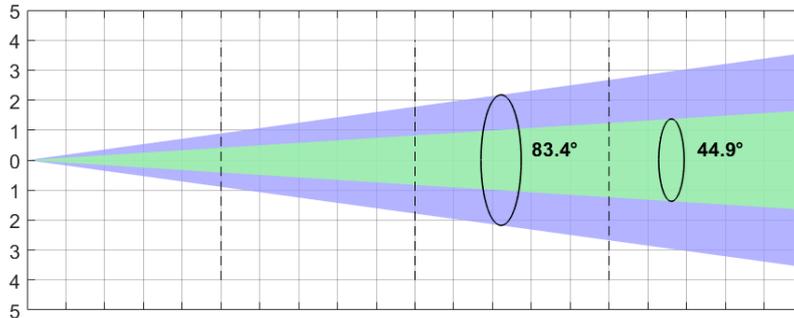
\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

## FAN MODE: THEATRE - STROBE

### Theatre Fan mode (83.4° 10% - 44.9° 50%)

**Total Output:** 12750 lumens

	Lux (fc)	Lux (fc)	Lux (fc)	Lux (fc)
Full Colour + Strobe Led	8497 (789)	2124 (197)	944 (88)	531 (49)
Strobe Led	2994 (278)	749 (70)	333 (31)	187 (17)



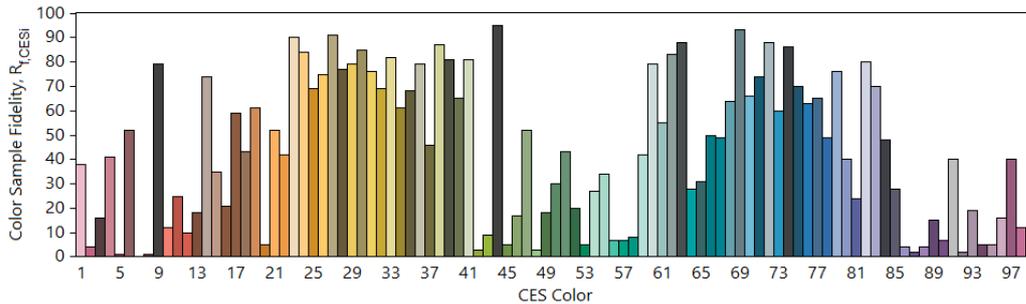
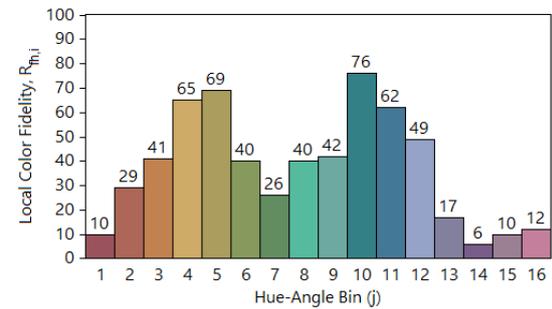
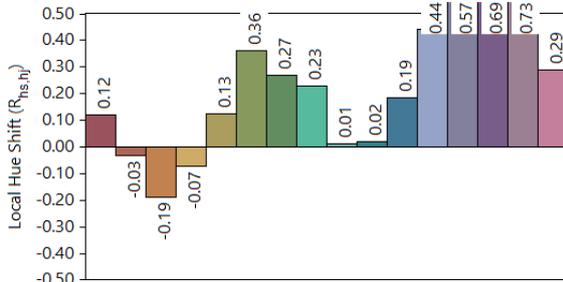
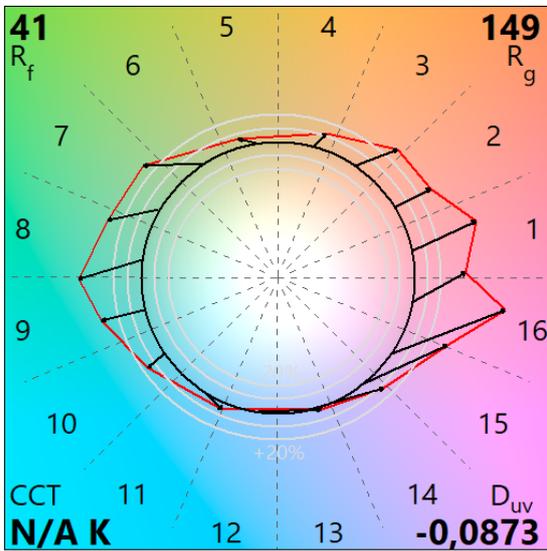
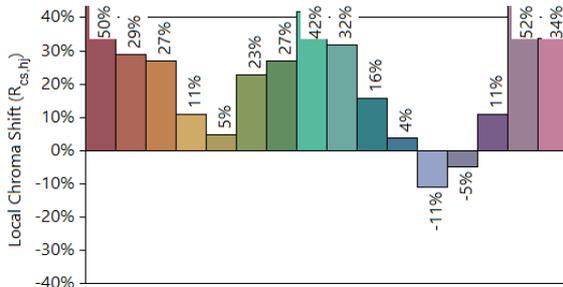
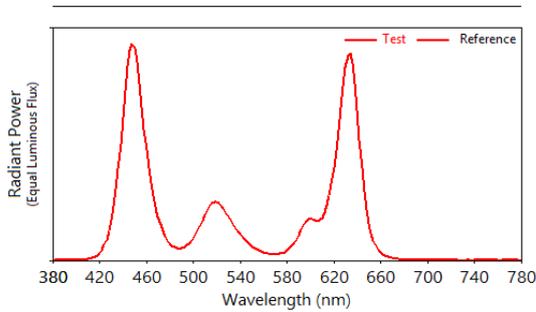
Distance	m (ft in)	0	1 (3' 3")	2 (6' 7")	3 (9' 10")	4 (13' 1")
Diameter 10% m (ft in)		0	1.78 (5' 10")	3.56 (11' 8")	5.34 (17' 6")	7.12 (23' 4")
Diameter 50% m (ft in)		0	0.83 (2' 9")	1.66 (5' 5")	2.49 (8' 2")	3.32 (10' 11")

\*Lumen values detected with integrating sphere. Measurements taken 15 minutes after the fixture was turned on.

# TM-30: FULL COLOR

## IES TM-30-18 Color Rendition Report

Source: TAMBORA GLARE      Manufacturer: CLAY PAKY  
 Date: 31.03.2025      Model: TAMBORA GLARE



Notes: Full Color

x 0,3129  
 y 0,1941  
 u' 0,2661  
 v' 0,3714

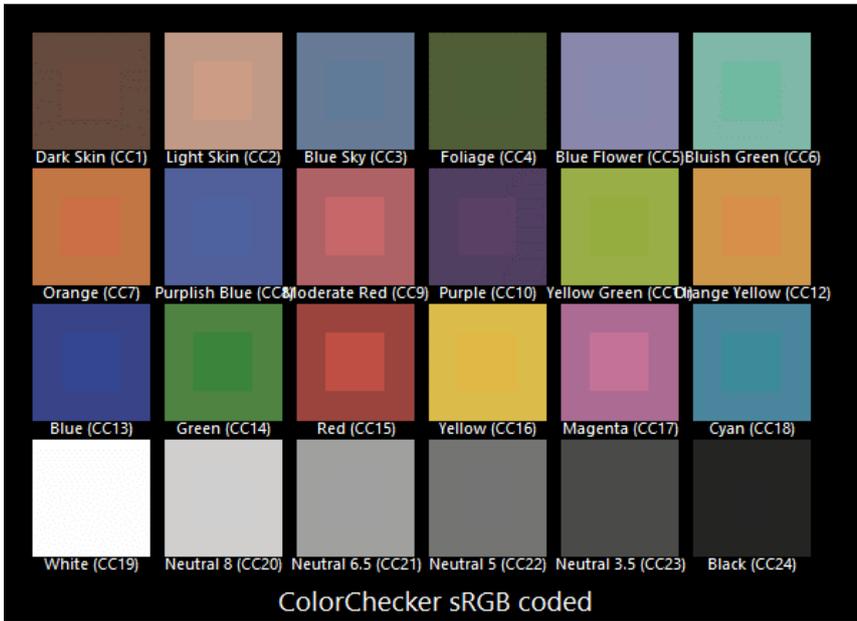
CIE 13.3-1995  
 (CRI)  
 $R_a$  N/A  
 $R_g$  -422

Colors are for visual orientation purposes only.

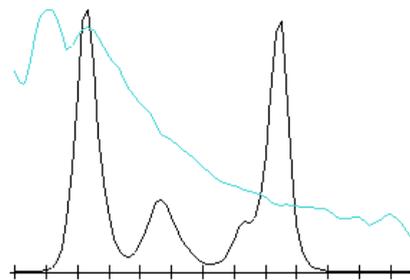
# TLCI-2012: FULL COLOR

Direct spectrum input : CCT = D30573 (-16.1)

TLCI-2012 : 24 (D30573)



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



# TM-30: FULL COLOR + STROBE

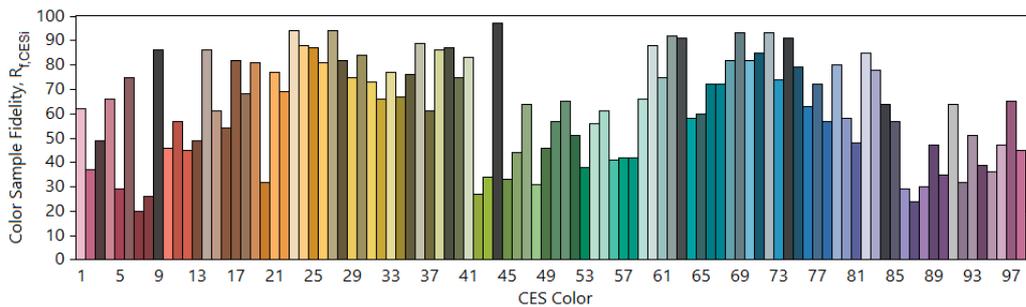
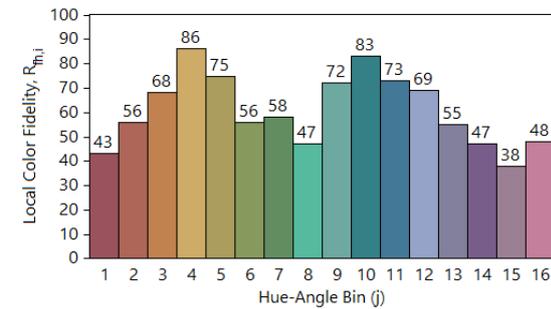
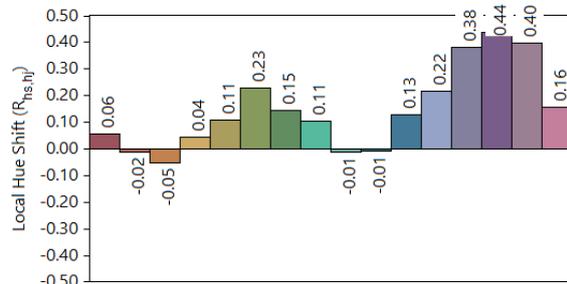
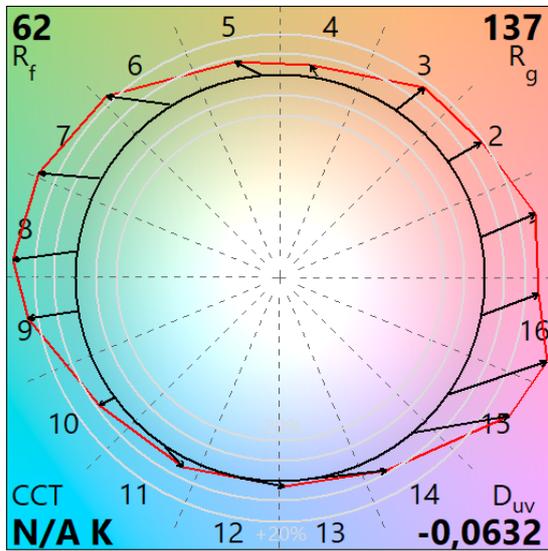
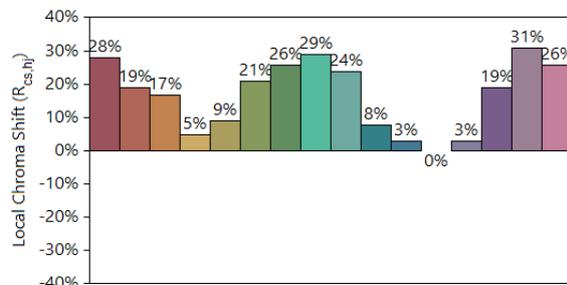
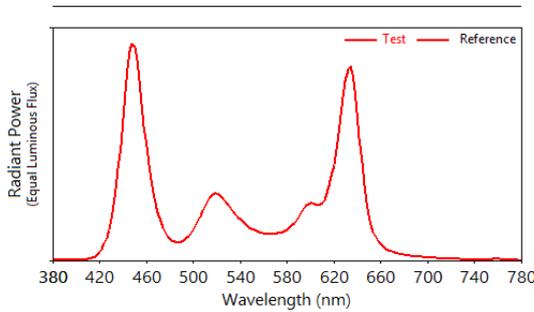
## IES TM-30-18 Color Rendition Report

Source: TAMBORA GLARE

Manufacturer: CLAY PAKY

Date: 31.03.2025

Model: TAMBORA GLARE



Notes: Full Color + Strobe LED

x 0,3237  
y 0,2341  
u' 0,2508  
v' 0,4082

CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 27  
R<sub>g</sub> -197

Colors are for visual orientation purposes only.

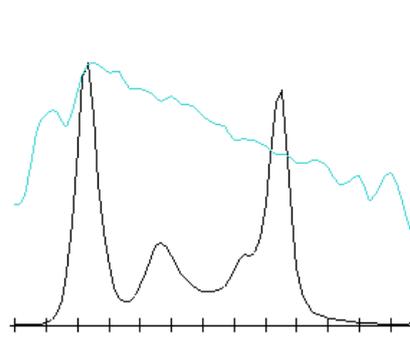
# TLCI-2012: FULL COLOR + STROBE

Direct spectrum input : CCT = D6930 (-12.3)

TLCI-2012 : 52 (D6930)



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



# TM-30: CTO 4%

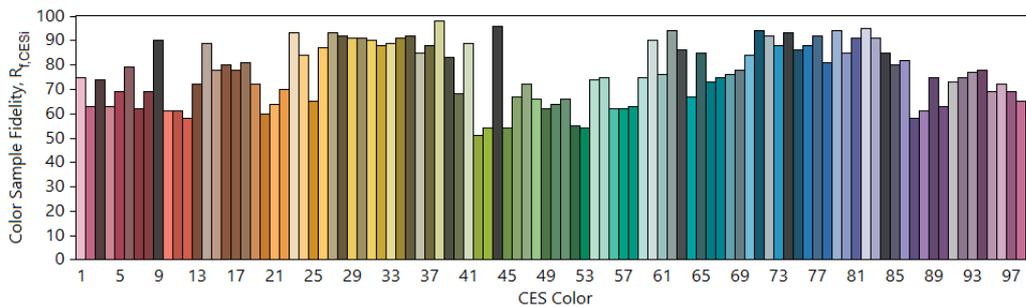
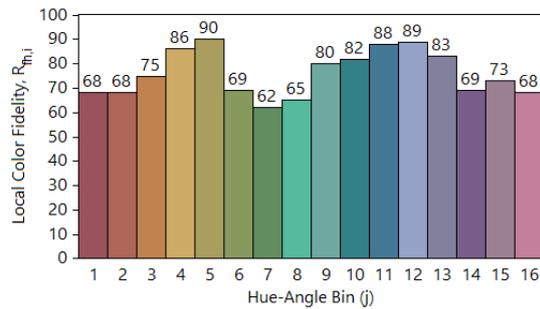
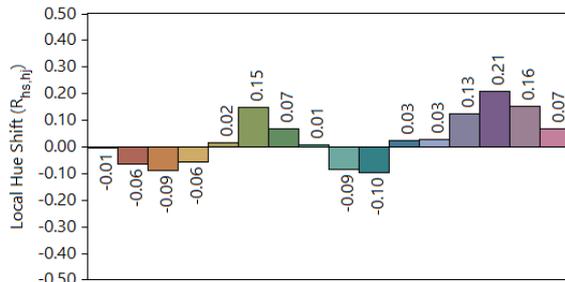
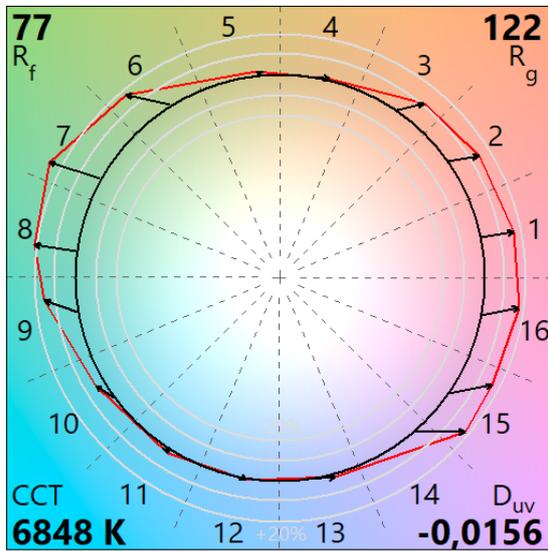
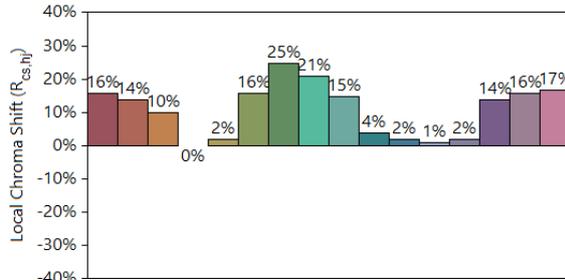
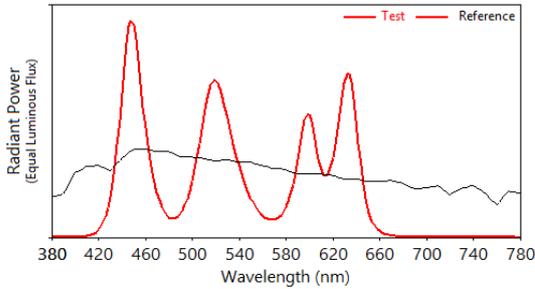
## IES TM-30-18 Color Rendition Report

Source: TAMBORA GLARE

Manufacturer: CLAY PAKY

Date: 31.03.2025

Model: TAMBORA GLARE



Notes: CTO 4%

x 0,3128  
y 0,2948  
u' 0,2117  
v' 0,4488

CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 62  
R<sub>g</sub> -19

Colors are for visual orientation purposes only.

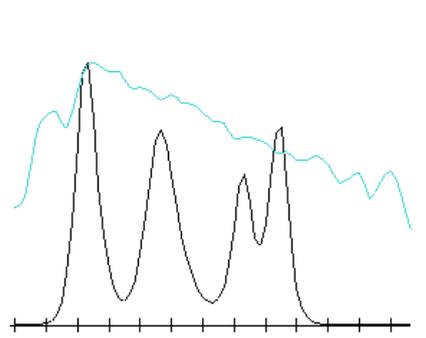
# TLCI-2012: CTO 4%

Direct spectrum input : CCT = D6848 (-3.5)

TLCI-2012 : 33 (D6848)



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



# TM-30: CTO 100%

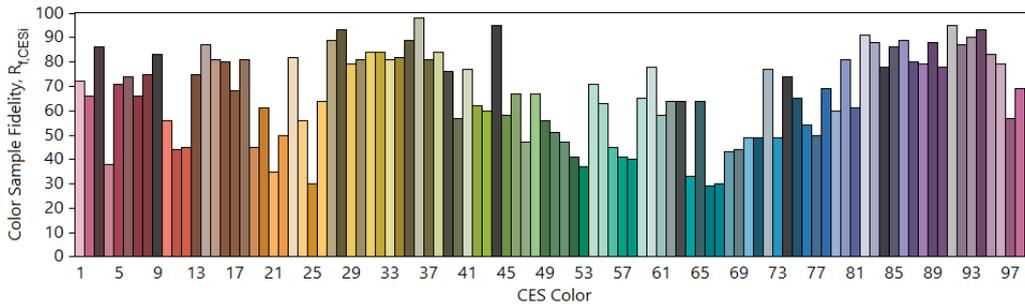
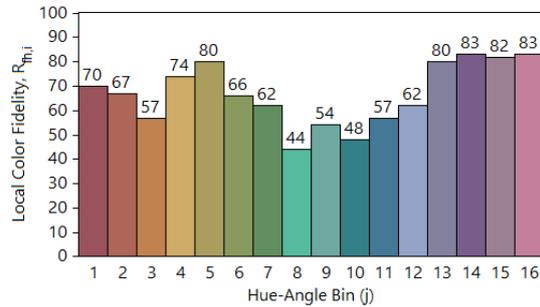
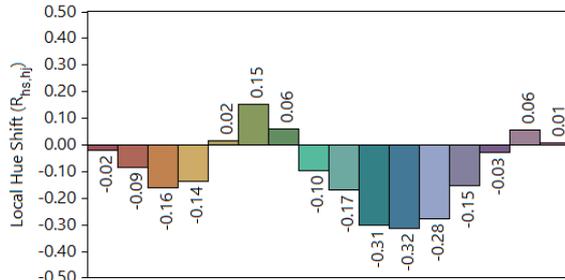
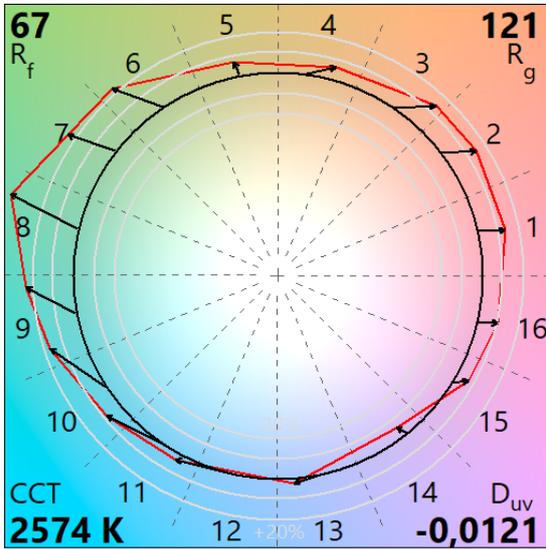
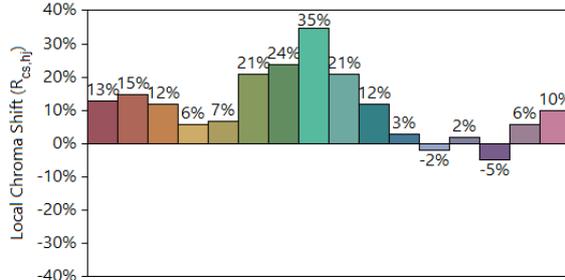
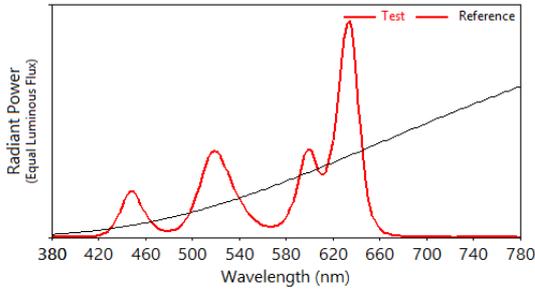
## IES TM-30-18 Color Rendition Report

Source: TAMBORA GLARE

Manufacturer: CLAY PAKY

Date: 31.03.2025

Model: TAMBORA GLARE



Notes: CTO 100%

x 0,4495  
y 0,3770  
u' 0,2714  
v' 0,5121

CIE 13.3-1995  
(CRI)  
R<sub>a</sub> 54  
R<sub>g</sub> 11

Colors are for visual orientation purposes only.

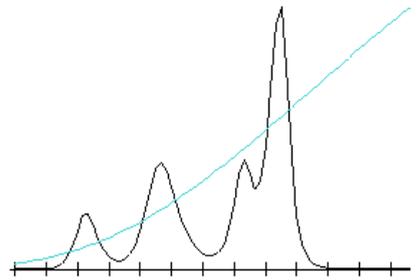
# TLCI-2012: CTO 100%

Direct spectrum input : CCT = P2574 (-2.2)

TLCI-2012 : 14 (P2574)



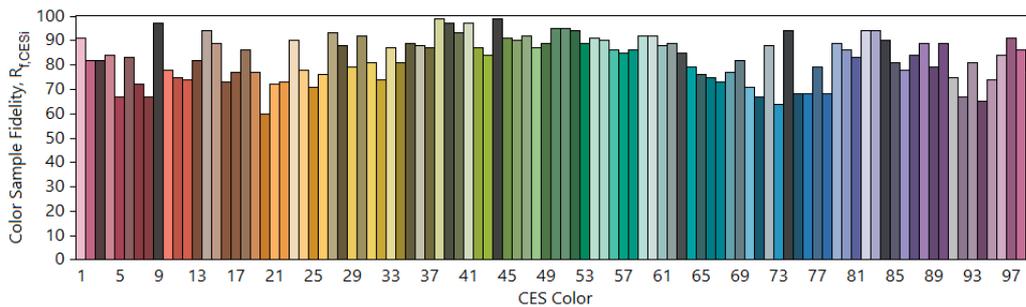
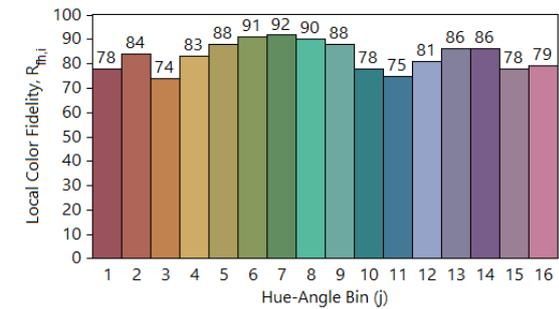
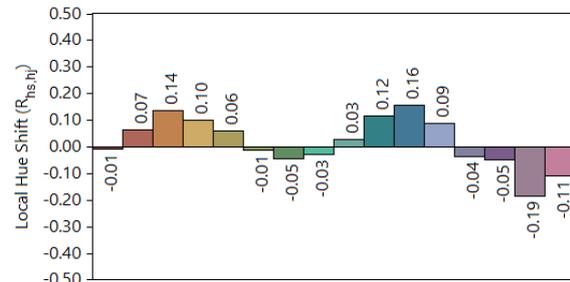
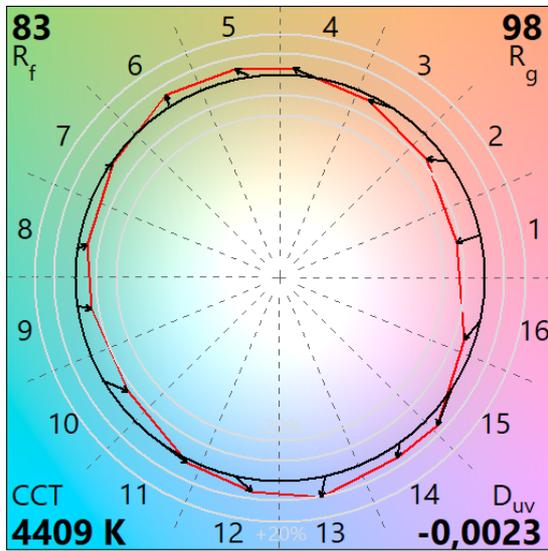
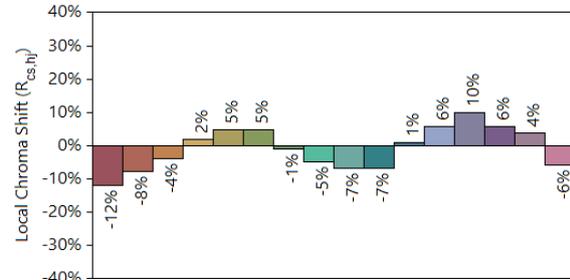
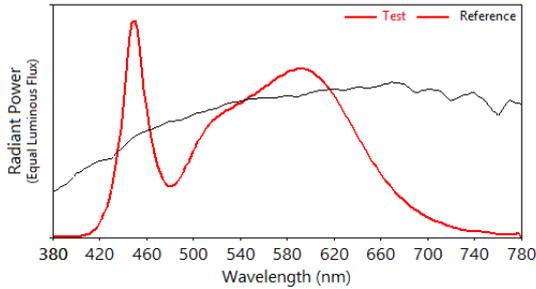
Sector	Lightness	Chroma	Hue
R	+	-	+++++
R/Y	+++	0	+++++
Y	+++	0	+++++
Y/G	+	0	0
G	0	--	0
G/C	--	-----	+++++
C	---	---	+++++
C/B	----	+	+++++
B	--	+	+++++
B/M	-	0	+++++
M	0	-	+++++
M/R	--	0	+



# TM-30: STROBE LED

## IES TM-30-18 Color Rendition Report

Source: TAMBORA GLARE      Manufacturer: CLAY PAKY  
 Date: 31.03.2025      Model: TAMBORA GLARE



Notes: Strobe LED

x 0,3630  
 y 0,3603  
 u' 0,2200  
 v' 0,4915

CIE 13.3-1995  
 (CRI)  
 R<sub>a</sub> 83  
 R<sub>g</sub> 11

Colors are for visual orientation purposes only.

# TLCI-2012: STROBE LED

Direct spectrum input : CCT = M4409 (-0.8)

TLCI-2012 : 65 (M4409)



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

