

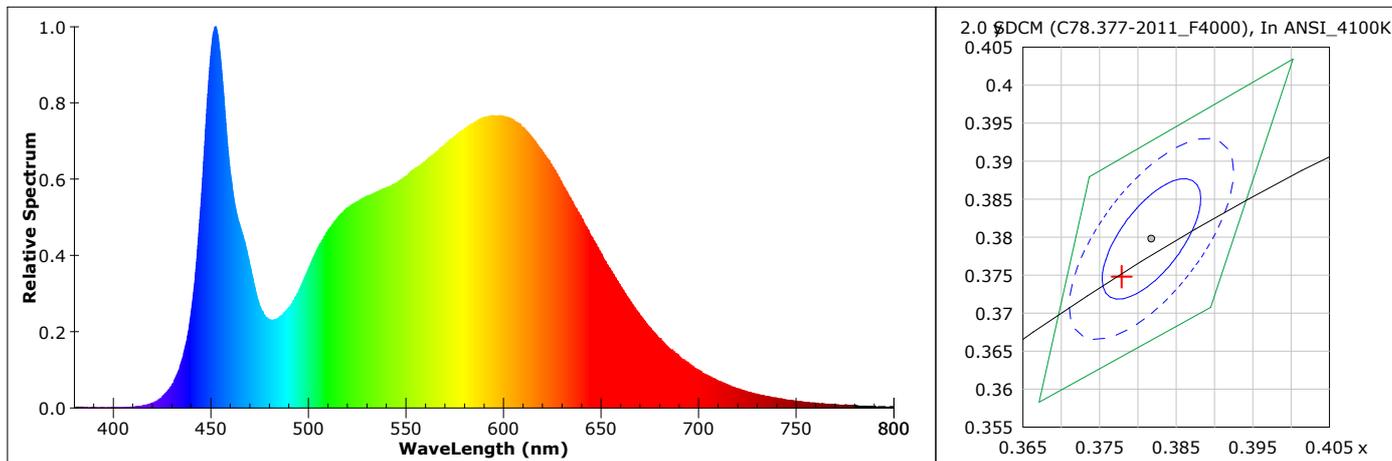
Lightsource Test Report

Report No: 32

Test Time: 2025-01-14 16:10:13

Category: DownLight 300 Quadrado
 Spec: LLED 4L 30x30cm NW403 HE PL30W FrostC BR
 Manufacturer: TEC IT

Type: NW403HE-KM35L2
 Number: 30303034103010000
 Submitter: Manuel Fernandes



CIE Colorimetric Parameters

CIE(x,y): 0.3780,0.3747 CIE(u,v): 0.2243,0.3335 CIE(u',v'): 0.2243,0.5003
 CCT: 4053 K (Duv=-0.000258) Dominant Wavelength: 579.0 nm Color Purity: 0.259
 Peak Wavelength: 452.3 nm Half Width: 19.4 nm Color Ratio: R:0.185, G:0.777, B:0.038

Color Render Index: Ra:84.7 , avgR(1~14):78.5 , avgR(1~15):78.5

R1: 84 R2: 91 R3: 96 R4: 83 R5: 83 R6: 87 R7: 87 R8: 67
 R9: 16 R10: 79 R11: 83 R12: 60 R13: 86 R14: 98 R15: 78

TM-30-18: Rf:84 , Rg:95 Gamut Area Index (GAI): GAI_EES:74.2 , GAI_BB_8:93.1 , GAI_BB_15:100.7

Photometric Parameters

Luminous Flux: 4829.54 lm Radiant Power: 14.755 W Efficiency: 145.82 lm/W
 Energy Efficiency Class:D (EU 2019/2015 η_{TM}:145.82lm/W) S/P: 1.732

Cirtopic Flux: 16227.69 lm

Electric Parameters

Voltage: 230.000 V Current: 0.1500 A Power: 33.120 W
 Power Factor: 0.9600 Frequency: 50.00 Hz

Geometry: 4n, 2m
 Warmup Time: 10 Minutes 1 Seconds
 Spectroradiometer: LMS-9000A

Self-absorption Factor: 1.000
 Integration Time: 126 ms
 Digital Power Meter: LS2008R/LS2012-NEI
 Power Source: DC Series

Photometric Method: sphere-spectroradiometer
 Peak of Signal: 47970

Test Lab: Tec It
 Operator: Manuel Fernandes

Testing Environment: Ts:15.4°C, Ta:16.6°C,
 Approver:

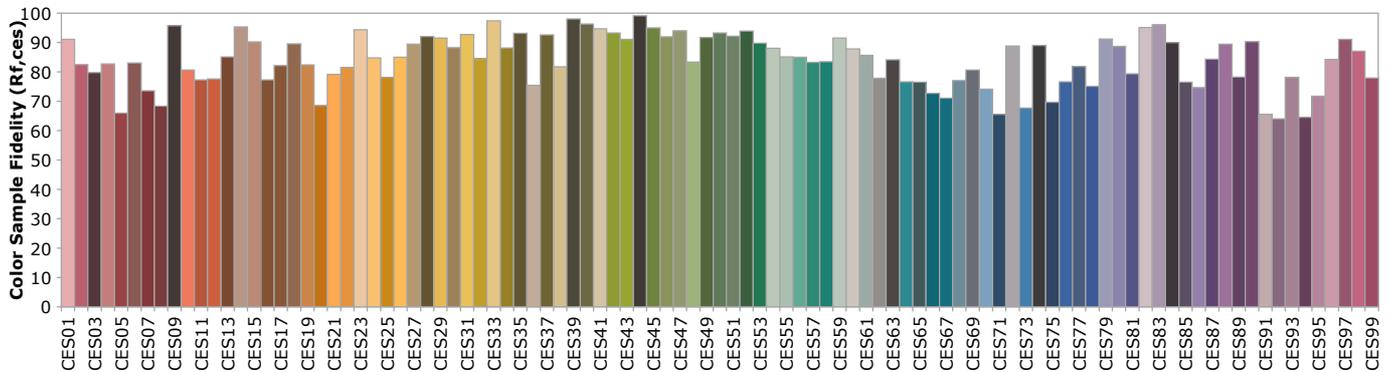
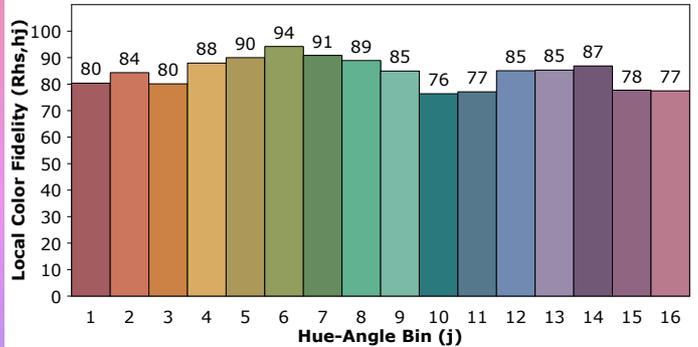
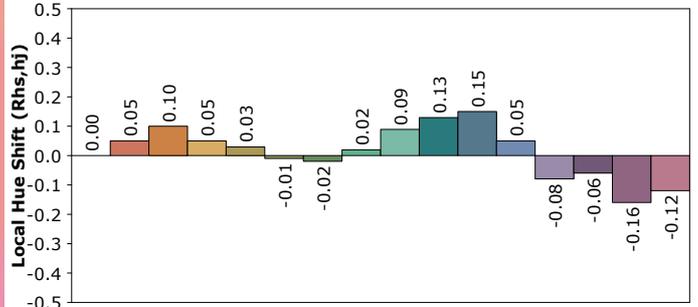
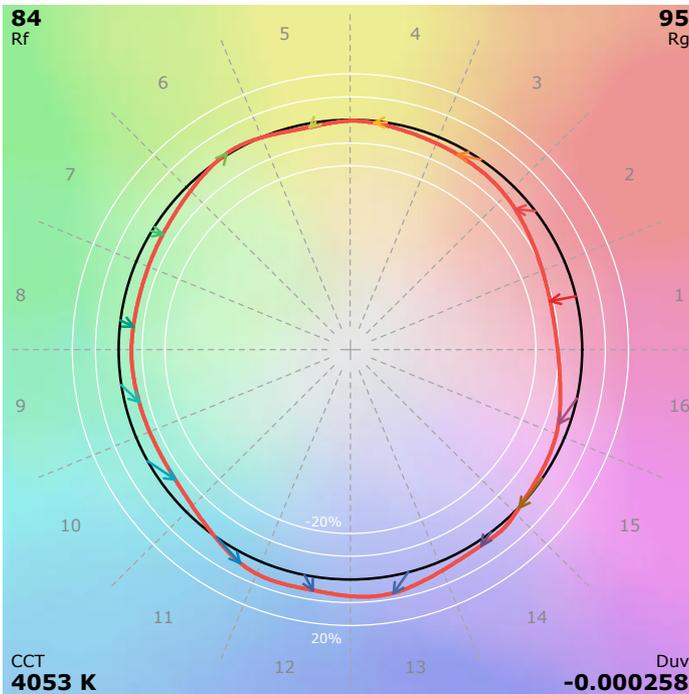
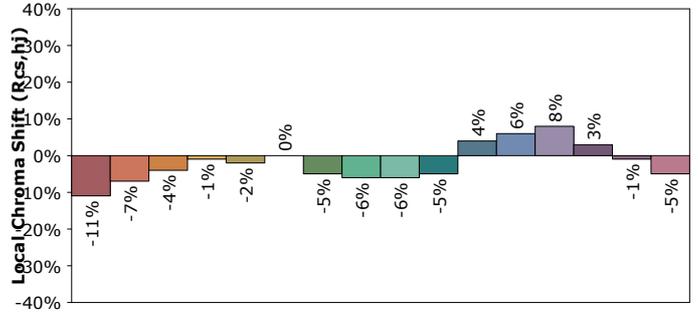
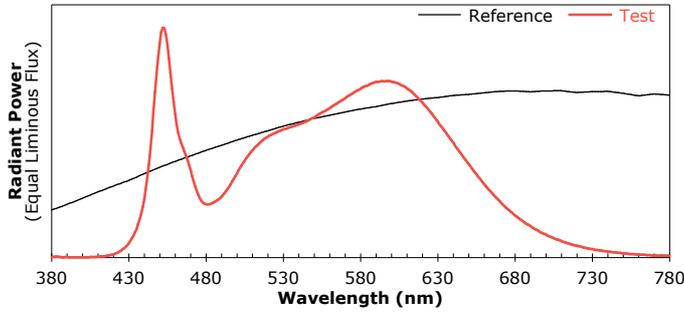
IES TM-30-18 Color Rendition Report

Report No: 32

Test Time: 2025-01-14 16:10:13

Category: DownLight 300 Quadrado
 Spec: LLED 4L 30x30cm NW403 HE PL30W FrostC BR
 Manufacturer: TEC IT

Type: NW403HE-KM35L2
 Number: 30303034103010000
 Submitter: Manuel Fernandes



Notes: This is a recommended method for displaying IES TM-30-18 information.

x **0.3780**
 y **0.3747**
 u' **0.2243**
 v' **0.5003**

CIE13.3-1995
 (CRI)
 Ra **85**
 R9 **16**

Test Lab: Tec It
 Operator: Manuel Fernandes

Testing Environment: Ts:15.4°C, Ta:16.6°C,
 Approver:

Spectral Power Distribution Data

Report No: 32

Test Time: 2025-01-14 16:10:13

Category: DownLight 300 Quadrado

Type: NW403HE-KM35L2

Spec: LLED 4L 30x30cm NW403 HE PL30W FrostC BR

Number: 30303034103010000

Manufacturer: TEC IT

Submitter: Manuel Fernandes

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0012	0.1205	525	0.5804	58.8194	670	0.2626	26.6174
385	0.0015	0.1507	530	0.5966	60.4658	675	0.2272	23.0245
390	0.0017	0.1772	535	0.6080	61.6180	680	0.1955	19.8178
395	0.0011	0.1072	540	0.6195	62.7890	685	0.1694	17.1674
400	0.0012	0.1168	545	0.6337	64.2251	690	0.1462	14.8157
405	0.0015	0.1530	550	0.6525	66.1296	695	0.1245	12.6135
410	0.0033	0.3393	555	0.6751	68.4174	700	0.1065	10.7922
415	0.0072	0.7290	560	0.6944	70.3721	705	0.0903	9.1517
420	0.0148	1.4974	565	0.7187	72.8409	710	0.0761	7.7139
425	0.0320	3.2417	570	0.7413	75.1327	715	0.0646	6.5429
430	0.0664	6.7289	575	0.7651	77.5434	720	0.0540	5.4698
435	0.1334	13.5225	580	0.7855	79.6033	725	0.0453	4.5878
440	0.2726	27.6244	585	0.8026	81.3367	730	0.0393	3.9819
445	0.5891	59.7076	590	0.8173	82.8346	735	0.0327	3.3149
450	1.0000	101.3471	595	0.8205	83.1534	740	0.0269	2.7259
455	0.9880	100.1260	600	0.8185	82.9559	745	0.0232	2.3508
460	0.6675	67.6512	605	0.8079	81.8755	750	0.0193	1.9580
465	0.5113	51.8222	610	0.7875	79.8093	755	0.0161	1.6317
470	0.4051	41.0549	615	0.7581	76.8329	760	0.0139	1.4049
475	0.2904	29.4294	620	0.7212	73.0897	765	0.0113	1.1403
480	0.2480	25.1389	625	0.6788	68.7968	770	0.0098	0.9946
485	0.2564	25.9870	630	0.6321	64.0577	775	0.0091	0.9266
490	0.2829	28.6677	635	0.5836	59.1468	780	0.0074	0.7490
495	0.3305	33.4962	640	0.5341	54.1315	785	0.0055	0.5562
500	0.3921	39.7343	645	0.4829	48.9453	790	0.0052	0.5242
505	0.4517	45.7809	650	0.4349	44.0723	795	0.0042	0.4258
510	0.4994	50.6129	655	0.3872	39.2394	800	0.0032	0.3210
515	0.5355	54.2748	660	0.3417	34.6326			
520	0.5632	57.0748	665	0.3007	30.4703			