

NPTCB-E LED Center Basket Troffer Series - 1'x4', 2'x2' & 2'x4'

Source: 32W 3600Lm & 52W 6100Lm LED

PRODUCT DESCRIPTION

The LED energy efficient Nora / Nspec Center Basket Troffer is a specification grade architectural product. The recessed LED CB troffer provides smooth and uniform general lighting for commercial and industrial applications. The shallow housing design and easy access wiring plate make the CB a quick installation. The LED CB Troffer performance is suitable for office, school, retail, hospital and hospitality applications.

FEATURES

- 3600 Lumens output with 32W (1'x4' & 2'x2')
- 6100 Lumens output with 52W (2'x4')
- 3000K, 3500K, 4000K or 5000K Color Temperature
- Fits most 1'x4', 2'x2', 2'x4' grid ceilings
- Dimmable with compatible 0-10V dimmer
- 120/277V
- cULus Damp Location Listed
- DLC listed

HOUSING

Die form steel powder coated in matte white reflective surface for soft uniform reflectance. Enclosed driver compartment is easily accessible from below via a hinged LED platform. Built in earthquake clips.

OPTICS

2 replaceable LED strips with tightly spaced LED diodes for even light distribution without diode image.

LENS

Polycarbonate diffused white lens evenly distributes light and maximizes performance.

DRIVER

Dimmable high power factor 120/277V input. Dimmable down to 5% with compatible 0-10V dimmer. Accessible from below through hinged door.

ELECTRICAL

Power: (1'x4', 2'x2') 32 Watt, (2'x4') 52 Watt
 Operating Temperature: 0°C ~ 45°C
 Life Expectancy: 50,000 Hours
 CRI: 85
 Voltage: 120/277V
 Frequency: 60Hz

LISTINGS & WARRANTY

cULus Listed
 DLC Listed
 5-Year Limited Warranty



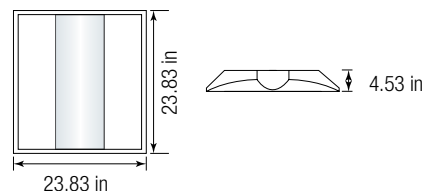
Troffer Series

Catalog No.	Size	Color Temp.	Finishes	Option
NPTCB-E	14 =1'x4' (32W)	30 = 3000K	W = White	EM = Emergency battery with remote test switch
	22 =2'x2' (32W)	35 = 3500K		
	24 =2'x4' (52W)	40 = 4000K		
		50 = 5000K		

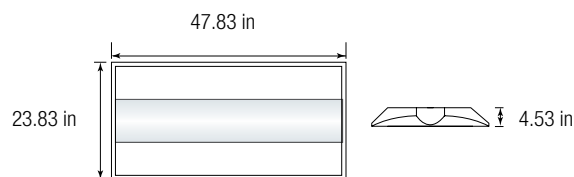
Example: NPTCB-E2230W 2'X2' LED Center Basket Troffer, 3000K, White finish

DIMENSIONS

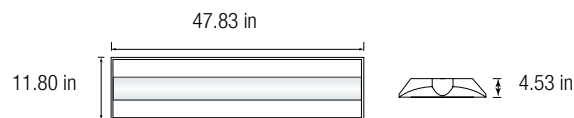
NPTCB-E22



NPTCB-E24



NPTCB-E14



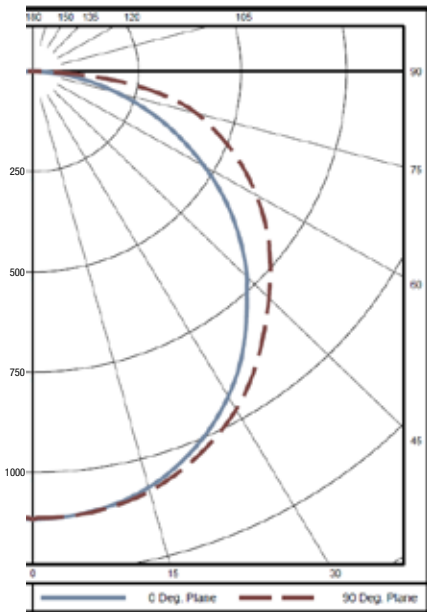
PHOTOMETRICS LED CENTER BASKET TROFFER

NPTCB-E22 3000K

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.2722 A	32.40 W	0.992	60 Hz	10.3 %
Summary of Results: Total Lumen Output: 3477 Lumens Luminaire Efficacy: 107.3 lm/w Maximum Candela: 1122 Candela Spacing Criteria: 0-180: 1.25						

Ceiling Cavity Reflectance	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
Wall Reflectance																		
Room Cavity Ratio (RCR)	Values are expressed as Lumens delivered to the task Surface																	
0	4139	4139	4139	4139	4043	4043	4043	4043	3863	3863	3863	3699	3699	3699	3548	3548	3548	3477
1	3742	3559	3395	3247	3645	3479	3329	3194	3329	3205	3092	3191	3090	2996	3065	2983	2907	2831
2	3382	3073	2818	2603	3287	3006	2771	2571	2280	2682	2510	2764	2598	2452	2657	2519	2396	2317
3	3070	2681	2380	2410	2981	2625	2345	2120	2519	2279	2081	2421	2216	2044	2330	2156	2008	1928
4	2803	2365	2044	1799	2721	2318	2018	1786	2229	1967	1760	2146	1919	1735	2069	1873	1711	1632
5	2574	2107	1781	1541	2498	2067	1761	1531	1992	1721	1514	1922	1683	1496	1856	1647	1480	1403
6	2374	1893	1571	1339	2305	1859	1555	1333	1795	1523	1320	1736	1493	1308	1679	1464	1296	1221
7	2199	1714	1399	1179	2137	1685	1386	1174	1630	1361	1165	1579	1337	1156	1531	1313	1147	1076
8	2046	1562	1258	1049	1190	1538	1248	1046	1491	1227	1039	1147	1207	1032	1405	1188	1025	957
9	1911	1433	1140	942	1861	1412	1131	940	1371	1114	934	1333	1098	929	1297	1082	923	858
10	1791	1321	1040	853	1746	1303	1033	851	1268	1019	847	1235	1005	842	1203	991	838	776

POLAR PLOT



ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-5	26.7	0.8%
5-10	79.3	2.3%
10-15	129.5	3.7%
15-20	175.3	5.0%
20-25	215.2	6.2%
25-30	248.2	7.1%
30-35	272.8	7.8%
35-40	287.4	8.3%
40-45	293.7	8.4%
45-50	293.6	8.4%
50-55	285.4	8.2%
55-60	268.7	7.7%

ZONE	LUMENS	% LUMINAIRE
0-40	1434	41.3%
0-60	2576	74.1%
0-90	3477	100.0%
90-180	0	0.0%

AVERAGE LUMINANCE HORIZONTAL ANGLE (DEGREES)

	0	45	90
0	3327	3327	3327
45	3060	3197	3358
55	2930	3197	3532
65	2734	3285	3871
75	2454	3573	4656
85	1839	3832	4768

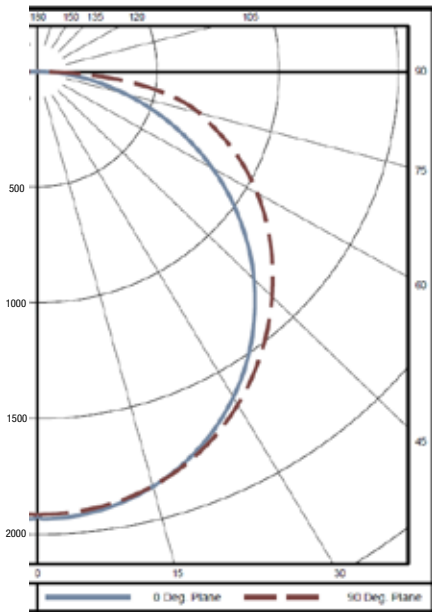
PHOTOMETRICS LED CENTER BASKET TROFFER

NPTCB-E24 3000K

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120 VAC	0.4414 A	52.66 W	0.994	60 Hz	7.35 %
Summary of Results: Total Lumen Output: 6120 Lumens Luminaire Efficacy: 114.6 lm/w Maximum Candela: 1935 Candela Spacing Criteria: 0-180: 1.26						

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
Room Cavity Ratio (RCR)	Values are expressed as Lumens delivered to the task Surface																	
0	7182	7182	7182	7182	7015	7015	7015	7015	6703	6703	6703	6418	6418	6418	6156	6156	6156	6033
1	6480	6157	5868	5607	6311	6018	5754	5515	5757	5539	5339	5518	5339	5173	5297	5153	5018	4886
2	5853	5312	4864	4487	5688	5195	4783	4433	4976	4628	4327	4775	4483	4226	4588	4346	4130	3992
3	5312	4632	4105	3686	5157	4534	4045	3652	4350	3930	3585	4180	3821	3520	4022	3718	3458	3319
4	4850	4085	3525	3097	4706	4003	3479	3074	3847	3391	3030	3703	3307	2987	3569	3227	2945	2807
5	4452	3638	3070	2651	4320	3569	3035	2635	3438	2966	2604	3316	2900	2574	3202	2838	2545	2411
6	4106	3269	2707	2303	3987	3210	2679	2292	3098	2624	2270	2994	2572	2249	2897	2521	2228	2098
7	3804	2959	2411	2027	3696	2909	2388	2019	2813	2344	2003	2742	2302	1987	2641	2261	1971	1847
8	3539	2697	2167	1803	3441	2654	2149	1797	2572	2113	1785	2495	2078	1173	2423	2044	1761	1642
9	3305	2473	1963	1619	3217	2436	1948	1614	2365	1918	1605	2299	1890	1596	2236	1862	1587	1473
10	3098	2280	1791	1466	3019	2248	1778	1462	2187	1754	1454	2129	1730	1477	2075	1706	1440	1332

POLAR PLOT



ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-5	45.8	0.8%
5-10	135.8	2.3%
10-15	221.5	3.7%
15-20	300.0	5.0%
20-25	368.6	6.1%
25-30	425.0	7.0%
30-35	467.7	7.8%
35-40	495.8	8.2%
40-45	509.0	8.4%
45-50	507.4	8.4%
50-55	492.0	8.2%
55-60	464.0	7.7%

ZONE	LUMENS	% LUMINAIRE
0-40	2460	40.8%
0-60	4433	73.5%
0-90	6033	100.0%
90-180	0	0.0%

AVERAGE LUMINANCE
HORIZONTAL ANGLE (DEGREES)

	0	45	90
0	2777	2777	2777
45	2609	2688	2817
55	2503	2684	2938
65	2358	2773	3208
75	2144	3079	3893
85	1786	3971	4628