

PROJECT:

TYPE:

CATALOG#:

DATE:



DESCRIPTION

Designed to deliver an unprecedented uniformity and functionality, this floating curved troffer features a compact yet sturdy aluminum construction designed to blend into modern architectural spaces. Featuring a low profile form factor, it is ideal for buildings with a low plenum space and is suitable for all standard 2x2, 1X4 or 2x4 grid ceilings. This creates a soft and comfortable lighting experience for commercial and institutional spaces including open offices, classrooms, retail and healthcare facilities, goes beyond what was previously possible with traditional LED luminaires.

FEATURES

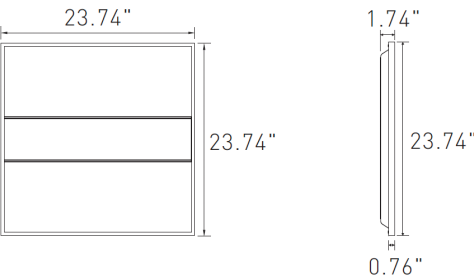
- Low profile design
- Uniform and soft illumination with back-lit technology
CCT selectable from 3500k,4000k and 5000k
- Wattage adjustable, up to 110lm/W
- Emergency driver: 6W, 24 hour recharge, operates >90 minutes, 30-54VDC Output Voltage

T-GRID CEILING COMPATIBILITY

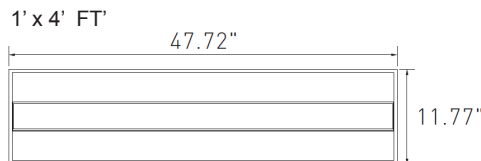
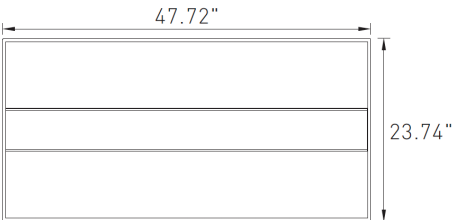
It is a architectural recessed lighting solution that is compatible with most 15/16" and 9/16" t-grid systems for commercial and institutional environments. The following are some common examples.

DIMENSIONS

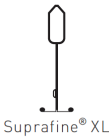
2' x 2' FT'



2' x 4' FT'

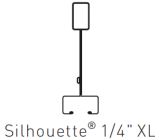


9/16" Flat

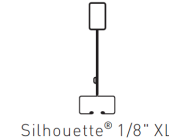


Suprafine® XL

9/16" Slot

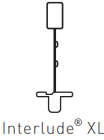


Silhouette® 1/4" XL



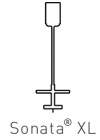
Silhouette® 1/8" XL

9/16" Interlude

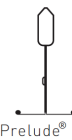


Interlude® XL

15/16" Flat



Sonata® XL



Prelude® XL



Clean Room

PERFORMANCE

MODEL	SIZE	WATTAGE ADJUSTABLE	LUMEN HIGH	LUMEN MEDIUM	LUMEN LOW	EFFICACY	CCT ADJUSTABLE
VFT14CCTEM	1' X 4' FT	35W / 30W / 25W	3850Lm	3300Lm	2750Lm	Up to 110Lm/w	3500K / 4000K / 5000K
VFT22CCTEM	2' X 2' FT	35W / 30W / 25W	3850Lm	3300Lm	2750Lm	Up to 110Lm/w	3500K / 4000K / 5000K
VFT24CCTEM	2' X 4' FT	50W / 40W / 30W	5500Lm	4400Lm	3300Lm	Up to 110Lm/w	3500K / 4000K / 5000K

All efficacy is ±5% base on different CCT and wattage. Check the IES file to gain the accurate data .

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

***Please note lumens and wattage are subject to change and will be determined post production of the first articles.

*Any custom modifications are subject to minimum order quantity. (M.O.Q.)

© VONN Lighting, 2024

VONN, LLC.

3323 NE 163rd St, PH-706
North Miami Beach, FL 33160

WWW.VONN.COM 888.604.8666

VONN, LLC. reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.



FLOATING TROFFER By VONN Lighting



VFT14CCTEM / VFT22CCTEM / VFT24CCTEM Back-lit LED / CCT & Wattage Adjustable

PROJECT:	TYPE:	CATALOG#:	DATE:
----------	-------	-----------	-------

STRUCTURE

• Finish

Extruded aluminum housing with powder coat white finish provides long term performance and superior aesthetic.

• Electrical

LED Driver: It is powered by Class 2 high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls.
 Tested Dimmers: Lutron ® Diva-Dvvt, Leviton ® IP-710-DL.
 THD: <20%
 Power Factor : >0.9
 Input Voltage: Standard electronic driver is UL recognized and available for 110-277V or 110-347V* AC.

• LED System

CRI: Minimum 80 color rendering index.
 CCT: CCT selectable from 3500K, 4000K and 5000K with a great color consistency.
 LED: Life minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
 Thermal Management : Aluminum housing acting as the heat sink to maximize life.

Environment: Damp rated in operating ambient temperatures of -20~40°C.

• Mounting

Recessed

• Approvals

- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- DesignLights Consortium Qualified and classified for DLC Standard, refer to www.designlights.org for details
- 5 years limited warranty

• Optional Function

Emergency Option: Optional high voltage 8W emergency LED driver EM-H08170-LBF can be provided. When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements. For more info or spec sheet, please visit our website or contact sales.



Emergency Lumen Output:

FIXTURE EFFICACY	OUTPUT POWER 8W
110Lm/w	800 Lumens

SAMPLE ORDERING SKU

1	2	3	4	5	6	7
VFT	14	CCT	LUMENS	WATTAGE	DIMMING	VOLTAGE
1 - SKU	2 - SIZE	3 - CCT SELECTIBLE	4 - LUMENS	5 - WATTAGE	6 - DIMMING	7 - VOLTAGE
VFT14CCTEM	14: 1' X 4' FT	3500K 4000K 5000K	2750Lm / 3300Lm / 3850Lm	25W / 30W / 35W	1-10V	110-277V
VFT22CCTEM	22: 2' X 2' FT	3000K 3500K 4000K	2750Lm / 3300Lm / 3850Lm	25W / 30W / 35W	1-10V	110-277V
VFT24CCTEM	24: 2' X 4' FT	3000K 3500K 4000K	3300Lm / 4400Lm / 5500Lm	30W / 40W / 50W	1-10V	110-277V

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

***Please note lumens and wattage are subject to change and will be determined post production of the first articles.

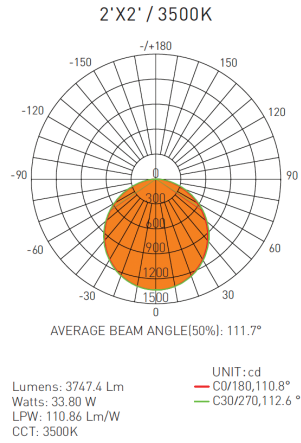
*Any custom modifications are subject to minimum order quantity. (M.O.Q.)

© VONN Lighting, 2024



PROJECT: _____ TYPE: _____ CATALOG#: _____ DATE: _____

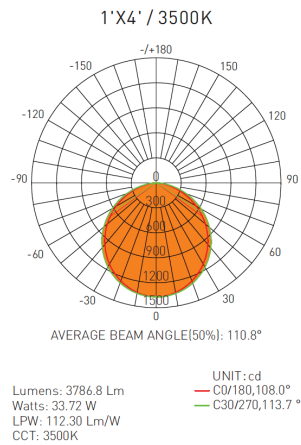
DISTRIBUTION DIAGRAM



T	C0	C45	C90	C135	C180
10	1308	1309	1311	1307	1306
20	1233	1236	1242	1233	1232
30	1118	1121	1132	1118	1115
40	964.2	968.6	983.4	966.3	961.9
50	777.6	785.4	802.5	783.2	777.2
60	566.6	575.9	594.9	575.0	568.6
70	344.4	354.0	372.1	354.2	346.5
80	128.7	139.2	154.9	139.9	132.6
90	0	0	0	0	0
100	0	0	0	0	0
110	0	0	0	0	0
120	1.021	0.0582	0.0031	0.0692	0.3140
130	1.326	0.1745	1.151	0.0346	0.9394
140	1.302	0	1.281	0	1.406
150	1.213	0	0.7683	0	1.452
160	0.8069	0	0.7699	0	1.452
170	1.023	0.1111	0.7715	0	1.452
180	1.196	0.1708	0.9402	0	1.452
DEG	LUMINOUS INTENSITY:cd				

T	φ total
0-10	126.1
10-20	486.2
20-30	1031
30-40	1686
40-50	2364
50-60	2972
60-70	3430
70-80	3686
80-90	3745
90-100	3745
100-110	3745
110-120	3745
120-130	3746
130-140	3746
140-150	3747
150-160	3747
160-170	3747
170-180	3747
UNIT: lm	

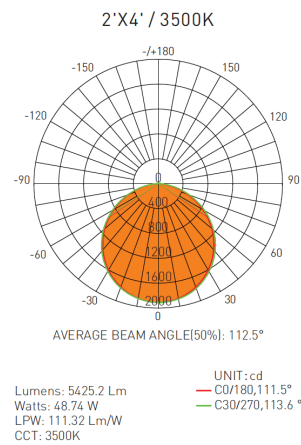
G(DEG)	C0/180	C90/270
85	4616	6897
80	7416	8919
75	8994	10072
70	10072	10875
65	10794	11451
60	11335	11895
55	11773	12229
50	12101	12481
45	12370	12675



T	C0	C45	C90	C135	C180
10	1336	1347	1348	1340	1336
20	1254	1271	1281	1261	1252
30	1127	1150	1170	1138	1126
40	963.6	989.3	1020	978.3	964.1
50	769.5	795.2	834.4	786.5	771.1
60	551.3	576.8	620.4	571.2	554.9
70	322.2	345.0	387.4	343.2	327.4
80	102.7	128.4	159.0	128.4	111.3
90	0	0.0247	0.5103	0.0435	0
100	0	0	0.5118	0	0
110	0	0	0.5112	0	0
120	0	0.3431	0	0	0
130	0	0.5709	0	0.2935	0.2782
140	0	0.7287	0	0.4054	0.4477
150	0.0863	1.378	0	0.5128	0.6047
160	0.3184	1.551	0	1.301	0.7618
170	1.149	2.584	0.0846	0.398	1.383
180	1.209	2.671	0	2.658	1.468
DEG	LUMINOUS INTENSITY:cd				

T	φ total
0-10	129.4
10-20	498.5
20-30	1056
30-40	1724
40-50	2412
50-60	3025
60-70	3482
70-80	3729
80-90	3784
90-100	3784
100-110	3785
110-120	3785
120-130	3785
130-140	3785
140-150	3786
150-160	3786
160-170	3787
170-180	3787
UNIT: lm	

G(DEG)	C0/180	C90/270
85	4497	7271
80	5915	9158
75	8087	10431
70	9427	11330
65	10340	11958
60	11033	12412
55	11548	12744
50	11979	12985
45	12309	13172



T	C0	C45	C90	C135	C180
10	1871	1885	1882	1874	1870
20	1768	1790	1790	1772	1766
30	1605	1631	1635	1609	1603
40	1388	1414	1424	1393	1387
50	1123	1147	1161	1129	1124
60	821.0	840.5	860.8	829.1	824.3
70	500.1	515.0	538.1	508.5	504.0
80	185.1	205.2	225.2	204.5	198.1
90	0.0436	0.4280	1.015	0.3364	0
100	0	0.2581	0.7634	0	0
110	0.2049	0.3759	1.199	0.2440	0.2564
120	0.3209	0.4964	0	0.2991	0.4912
130	0.6043	0.4431	0	0.3249	0.9462
140	0.5623	0	0	0	1.032
150	0.5230	0	0	0	1.032
160	0.5951	0	0.1246	0	1.032
170	0.7622	0	0.1512	0.1108	1.032
180	0.6881	0	0.1698	0.1699	0.8602
DEG	LUMINOUS INTENSITY:cd				

T	φ total
0-10	180.6
10-20	697.7
20-30	1482
30-40	2429
40-50	3410
50-60	4293
60-70	4959
70-80	5333
80-90	5423
90-100	5423
100-110	5424
110-120	5424
120-130	5425
130-140	5425
140-150	5425
150-160	5425
160-170	5425
170-180	5425
UNIT: lm	

G(DEG)	C0/180	C90/270
85	7012	10530
80	10671	12962
75	13070	14547
70	14634	15729
65	15670	16562
60	16434	17211
55	17045	17696
50	17492	18060
45	17844	18351

Theoretical Lumens: XXX LM (subject to change)
Theoretical Wattage: XXX W (subject to change)

***Please note lumens and wattage are subject to change and will be determined post production of the first articles.

*Any custom modifications are subject to minimum order quantity. (M.O.Q.)

© VONN Lighting, 2024

