



"Tomorrow's Lighting Solutions Today"

Project Name: \_\_\_\_\_

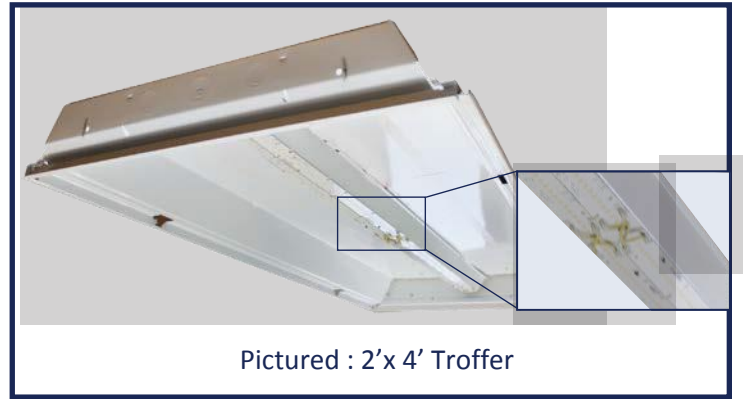
Type: \_\_\_\_\_

Catalog #: \_\_\_\_\_

# LED Lay-In Troffer - 1'x4', 2'x2' & 2'x4'

- Office
- Hallway

The GreenLine Industries LED troffer has been designed with the latest technology in the LED industry. Minimizing the operating temperatures allows us to maximize life-expectancies (93% of initial light after 100,000 hours of use) and provide a long term, sustainable lighting fixture. Our 48 watt LED 2x4 lay-in fixture is 65% less energy than a 4-Lamp T8 fixture. This allows us to provide a fixture that is the lowest cost per delivered lumen in the industry. The fixture comes with a prismatic lensed door (not pictured.) Color temperatures available are 3000K, 4000K, and 5000K.



System Configurations:			
Figure Config.	Wattage	Lumens	Efficacy
2' x 2' 2 Module	27w	3,552	136.48
2' x 4' 2 Module	52w	6,689	131.75
2' x 4' 4 Module	48w	7,105	147.73
2'x4' 4 Module 4A	98w	13,239	134.11



Regulatory:
Recognized - UL8750 CAN/
CSA-C22.2 No. 250.13-12 / ETL Listed
RoHS Compliant

Notes:
Performance data taken at Tc = 45°C ambient.
Life expectancy = > 100,000 hours
Lumen maintenance value is based on LM80 testing and TM-21 calculation projections.
CRI = > 82
Dry/Damp (IP-30)
Warranty : Limited 7 years

**Part Number** GLTRF - 22 - 2 - MV - 40

Example Part Number

Ordering Options

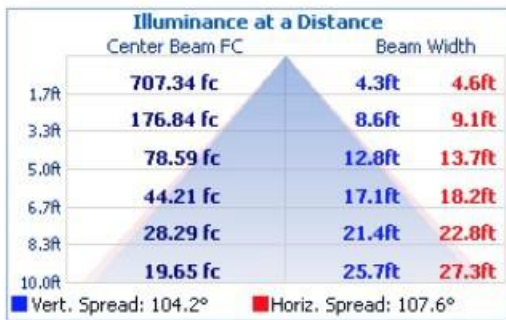
Part Number	Troffer Size	# LED Modules	Voltage	Color Temperature
GLTRF	1'x4'=14 2'x2'=22 2'x4'=24	2=2 4=4 4=4A	MV= 120/277v HV= 347/480v	30 - 3000k 40 - 4000k 50 - 5000k

# LED Lay-In Troffer - 1' x4' , 2'x2' & 2'x4'

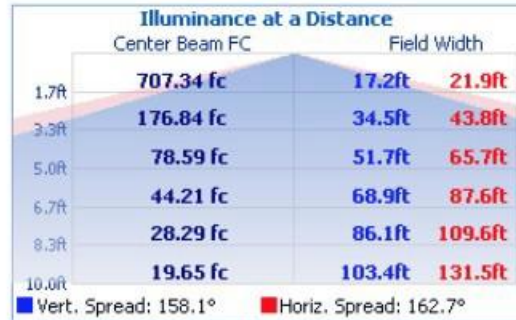
- Office
- Hallway

## Test Results – Illuminance Plots

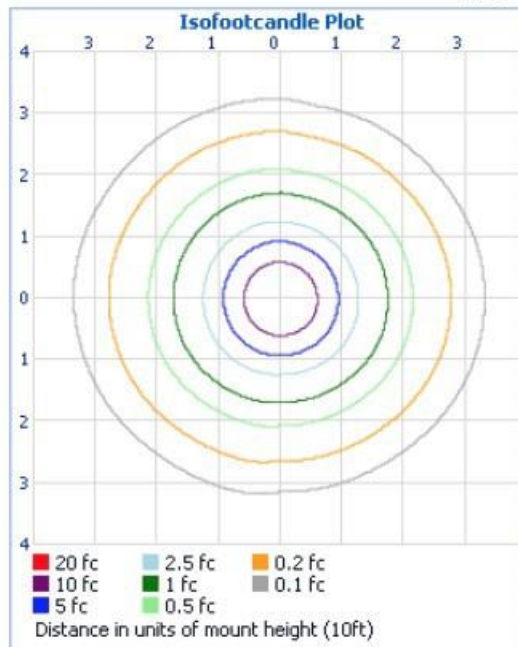
The following images depict the illuminance characteristics of the luminaire.



Beam Angle



Field Angle

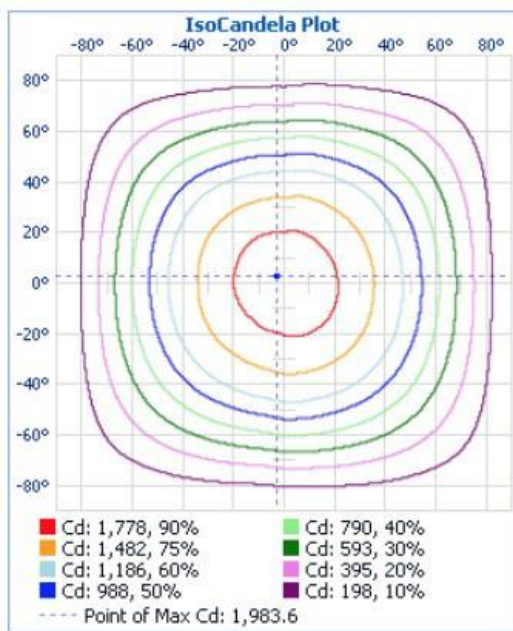


Illuminance Plot (Footcandles)

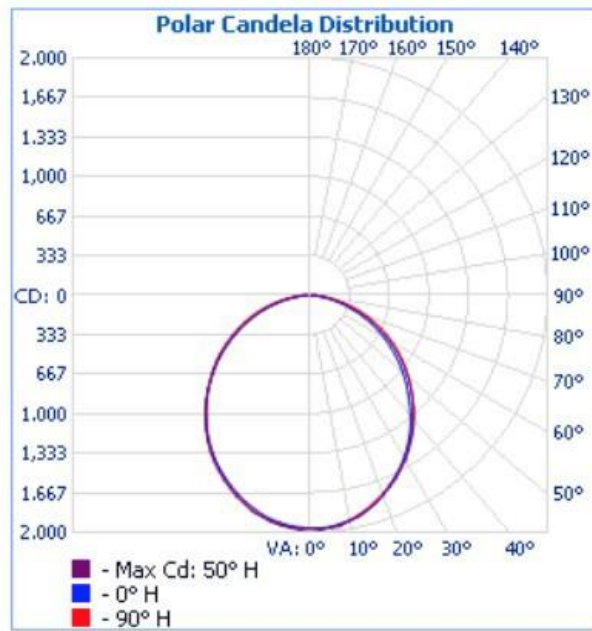
**LED Lay-In Troffer - 1' x4' , 2'x2' & 2'x4'** • Office  
• Hallway

**Test Results – Candela Plots**

The following images depict the luminous intensity distribution characteristics of the luminaire.



Isocandela Plot



Polar Candela Distribution

**Coefficients Of Utilization - Zonal Cavity Method**

RCC %:	80												70				50				30				Effective Floor Cavity Reflectance: 20%			
	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0				
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.00	1.06	1.06	1.06	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.00				
RCR: 0	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.97	.94	.91	.85	.94	.91	.89	.89	.90	.88	.86	.86	.88	.86	.84	.84				
1	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.71	.82	.78	.74	.74	.79	.75	.72	.70	.75	.72	.70	.70				
2	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.63	.61	.72	.67	.62	.62	.70	.65	.61	.59	.65	.61	.59	.59				
3	.83	.71	.62	.55	.80	.69	.61	.52	.67	.60	.54	.52	.65	.58	.53	.53	.62	.57	.53	.51	.57	.53	.51	.51				
4	.76	.63	.54	.48	.74	.62	.54	.46	.60	.53	.47	.46	.58	.52	.46	.46	.56	.51	.46	.44	.51	.46	.44	.44				
5	.70	.57	.48	.42	.68	.56	.48	.40	.54	.47	.41	.40	.53	.46	.41	.41	.51	.45	.40	.38	.45	.40	.38	.38				
6	.65	.52	.43	.37	.64	.51	.43	.36	.49	.42	.37	.36	.48	.41	.36	.36	.47	.41	.36	.34	.41	.36	.34	.34				
7	.61	.47	.39	.33	.59	.47	.39	.32	.45	.38	.33	.32	.44	.37	.32	.32	.43	.37	.32	.30	.37	.32	.30	.30				
8	.57	.43	.35	.30	.55	.43	.35	.29	.42	.35	.29	.29	.41	.34	.29	.29	.40	.34	.29	.27	.34	.29	.27	.27				
9	.53	.40	.32	.27	.52	.40	.32	.26	.39	.32	.27	.27	.38	.31	.27	.27	.37	.31	.27	.25	.31	.27	.25	.25				
10																												