

Project: Date: Prepared by: Comments: 

FEATURES

- 5 Year Warranty
- Direct Replacement for **2x4 Fluorescent Troffers**
- Energy Savings of up to 30%
- Lumen Maintenance over 70% @ 50,000+ Hours
- 0-10V Dimmable; 10-100% Dimming Range
- Serviceable from the room side for ease of maintenance
- No UV/IR Radiation, No Toxic Mercury
- Positive Locking Cam Latches
- No Exposed Fasteners
- Die Formed of 24 Gauge Post Painted Steel

OPTICS

- White Lens
- CRI 82

APPLICATIONS

- Dropped Ceiling Application for General Lighting in Offices Facilities
- Retail Store Lighting
- Museums, Galleries, Showrooms
- Hotels, Hospitality Areas
- Hospitals, Clinics, Workrooms
- Corridors, Lobbies, Stairways, Conference Rooms
- School, College, University Lighting

CERTIFICATIONS

- UL Listed for Damp Locations
- DLC Listed for Rebate and Tax Incentive Programs
- IC rated
- Complies with FCC part 15 subpart B, which makes this product suitable for commercial and residential applications.

SPECIFICATIONS

Warranty: 5 Years
Kelvin Temperature (CCT): 4000K
Wattage: 42.8 W
Lumens: 5112 lm
Efficacy 119 lm/w
CRI: 82
Dimmable: 0-10V Dimming
Input Voltage: AC 120~277V

Certifications: UL Listed
DLC Listed: Yes
Expected Life: 50,000 hrs
Max. Ambient Temperature: 113° F
Min. Ambient Temperature: 0° F
Power Factor: 0.90
THD: <20%

TECHNICAL

Product Weight: 13.2 lbs
Product Length: 47.8"
Product Height: 1.77"

Product Width: 23.8"
LED Beam Angle: 120° deg.





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Luminaire Photometric Report

Filename: TRS24BL50WD

Manufacturer: Cordelia Lighting Inc.

Luminaire: 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

Luminaire Cat: TRS24BL50PD

Lamp Output: Total luminaire Lumens: 6173.6

Max Candela: 2,068.2 at Horizontal: 0°, Vertical: 2°

Input Wattage: 49.8

Luminous Opening: Rectangle (L: 45.28", W: 21.65")

Test: 4789862964_4

Test Date: 3/25/2021

Test Lab: UL Verification Services (Guangzhou) Co., Ltd.

Photometry: Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,620.3	26.2%
0-40	2,668.7	43.2%
0-60	4,777.8	77.4%
60-90	1,382.4	22.4%
70-100	601.5	9.7%
90-120	6.4	0.1%
0-90	6,160.2	99.8%
90-180	13.4	0.2%
0-180	6,173.6	100%

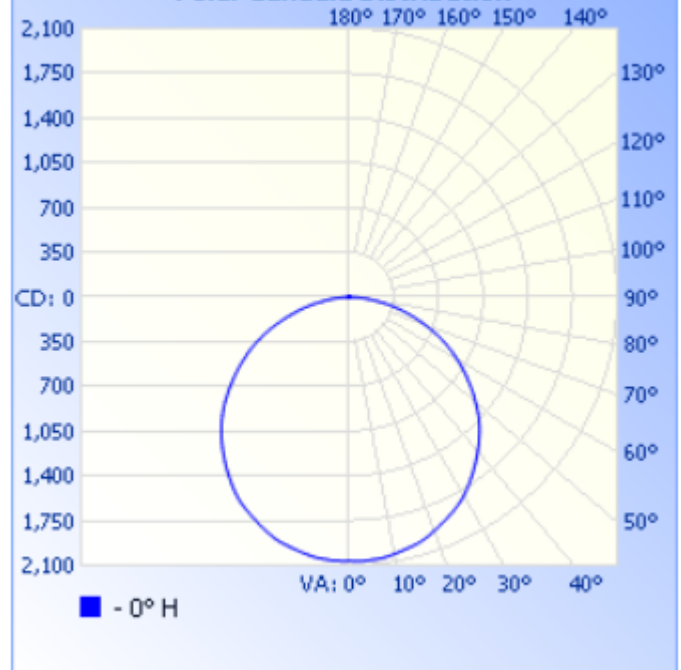
Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	714 fc	5.4 ft	5.4 ft
3.3ft	189 fc	10.5 ft	10.5 ft
5.0ft	82.5 fc	15.9 ft	15.9 ft
6.7ft	45.9 fc	21.3 ft	21.3 ft
8.3ft	29.9 fc	26.3 ft	26.4 ft
10.0ft	20.6 fc	31.7 ft	31.8 ft

■ Vert. Spread: 115.5°

■ Horiz. Spread: 115.7°

Polar Candela Distribution



Isofootcandle Plot

