

# LANTANA LED

## ILLUCENT TROFFER

### SPECIFICATION



Engineered to fit multiple structural ceilings, the Illucent Troffer provides efficient, evenly distributed light with minimal glare. Features tunable white and circadian options for occupant comfort.

**Efficacy Up to:** 156.42 Lm/W      **Total Output:** 13,921 Lumens

**CCT:** 2700K-6500K      **CRI:** 80, 90, 97

**UGR:** 21.8 4H/8H      **Max Watt:** 90

**Warranty:** 10-Year

**Lifetime:** TM 21 L90>71,000

#### Power Type:

- Class 2 Integral Line-Voltage 120/277V
- Onboard Emergency Battery Backup
- Remote Distributed Low Voltage

#### Ambient Operating Temp:

- -30°C 70°C Remote
- -20°C to 50°C Integral
- 0°C to 40°C Integral Emergency

#### Mounting:

- Pendant
- Unistrut
- Surface

#### Construction:

- 100% Recycled Extruded Aluminum
- Recyclable Acrylic

#### Awards

- 2024 PIA Product of the Year
- 2025 Titan Property Silver Award: Mission Critical Lighting
- 2025 Titan Property Silver Award: Sustainable Lighting

#### Additional Features

- High Output Driver
- Fits Multiple Structural Ceiling Grids
- Dynamic & Static Circadian
- Tunable White
- 0-10V Dimming Down to 1%
- UL Certified for Elevated Ambient Operating Temperatures

#### Applications

- Education
- Commercial Office
- Hospitality
- Retail
- Data Centers
- Hot Aisle Containment
- Suitable for Damp Locations

#### Standards & Certifications

- UL 1598: Luminaires
- UL 924: Emergency
- UL 2108: Low-Voltage
- UL Certified for Elevated Ambient Operating Temperatures
- Title 24 Compliant
- Declare
- TAA
- IDCA (International Data Center Authority) Grade 2

# ILLUCENT TROFFER

## ORDERING INFORMATION

Series/Type	Power	Size	Mounting
<b>ITRF-</b> Illucent Troffer	<b>I-</b> Integral <b>IEM-</b> Integral EM <b>R-</b> Remote <b>POE-</b> PoE	<b>12-</b> 1x2 <b>22-</b> 2x2 <b>14-</b> 1x4 <b>24-</b> 2x4	<b>SG-</b> Standard Grid <b>ADG-</b> Armstrong DynaMax <b>ADGP-</b> Armstrong DynaMax Plus <b>GG1-</b> Gordon DG 1.5 <b>GG3-</b> Gordon DG 3.0 <b>GXG-</b> Gordon DG X-Span Grid <b>TG-</b> Tate GRID <b>TD-</b> Tate DUO <b>PP-</b> Polargy PICS <b>PPG-</b> Polargy PICS Global

Optics	Distribution	Lumen Output
- NA	- NA	<b>L#-</b> L20-L55      1x2 Std L20-L110      1x4 Std L115-L125      1x4 HO L25-L60        2x2 Std L25-L120      2x4 Std L125-L135      2x4 HO

See Lumen Tables for corresponding SKUs

Adaptive	CCT	CRI	Cord	Cord Color
<b>SC-</b> Static Circadian <b>DC-</b> Dynamic Circadian <b>TW-</b> Tunable White <b>NA-</b> None	<b>27-</b> 2700K <b>30-</b> 3000K <b>35-</b> 3500K <b>40-</b> 4000K <b>50-</b> 5000K <b>65-</b> 6500K	<b>80-</b> 80+ CRI <b>90-</b> 90+ CRI <b>97-</b> 97+ CRI	<b>3-</b> No Dim <b>5-</b> Dim <b>3E-</b> No Dim/EM On <b>4E-</b> No Dim-EM On/Off <b>5E-</b> Dim EM On <b>6E-</b> Dim EM On/Off	- NA

Choose pre-programmed CCT for delivery, can be adjusted later with DC or TW functionality.

See performance for CCT and the corresponding CS value.

Tunable White, Static, and Dynamic Circadian should select 97 CRI

Feed	Finish	End Cap	Sensors
- NA	- NA	- NA	<b>JD-</b> JDRF Autonomy Sensor <b>LU-</b> Lutron Athena Wireless Node <b>WT-</b> Wattstopper FSP-202 <b>LD-</b> LANTANA Dip Switch <b>NL-</b> nLight nES <b>CU-</b> Current NXSP <b>SE-</b> SmartEngine PoE

Project: \_\_\_\_\_ Date: \_\_\_\_\_

Part Number: \_\_\_\_\_ Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

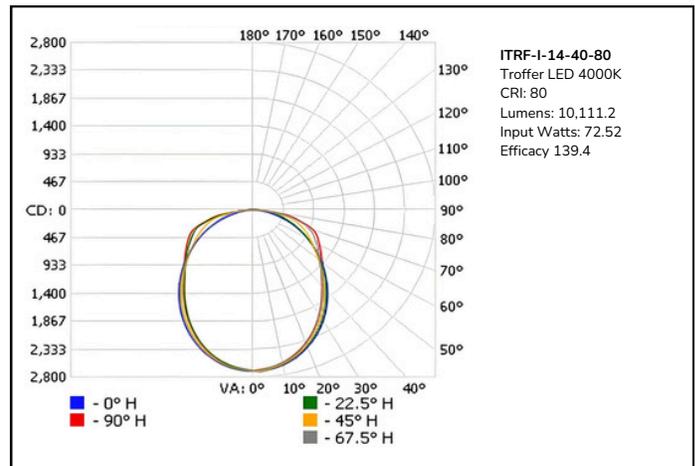
# ILLUCENT TROFFER

## PERFORMANCE

1X2, 1X4 INTEGRAL/REMOTE  
Delivered Lumens at 4000K 80 CRI

Size	SKU	Nominal	Watts	Delivered
1x2	L20-	2000	14	1952
	L25-	2500	17	2370
	L30-	3000	21	2928
	L35-	3500	25	3486
	L40-	4000	28	3904
	L45-	4500	32	4461
	L50-	5000	35	4880
	L55-	5500	39	5437
1X4	L20-	2000	14	1952
	L25-	2500	17	2370
	L30-	3000	21	2928
	L35-	3500	25	3486
	L40-	4000	28	3904
	L45-	4500	32	4461
	L50-	5000	35	4880
	L55-	5500	40	5576
	L60-	6000	43	5995
	L65-	6500	46	6413
	L70-	7000	50	6971
	L75-	7500	53	7389
	L80-	8000	57	7947
	L85-	8500	60	8365
	L90-	9000	64	8923
	L95-	9500	68	9481
	L100-	10000	71	9899
L105-	10500	75	10457	
L110-	11000	78	10875	
1X4 High Output	L100-	11500	82	11432
	L105-	12000	86	11990
	L110-	12500	89	12408

CCT (Kelvin)	Multiplier 80 CRI	Multiplier 90 CRI
2700K	0.92	0.78
3000K	0.95	0.84
3500K	0.98	0.88
4000K	1	0.92
5000K	1.02	0.97
5700K	1.03	0.98
6500K	1.04	0.99



# ILLUCENT TROFFER

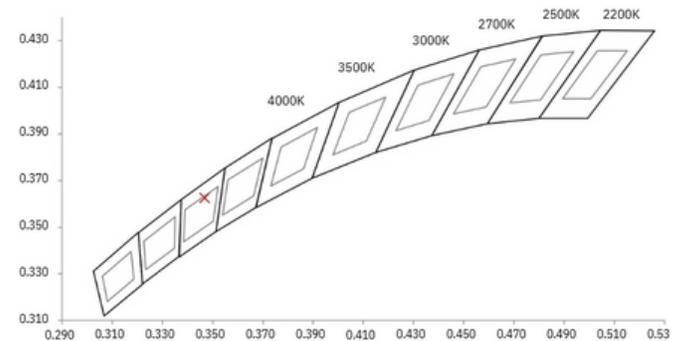
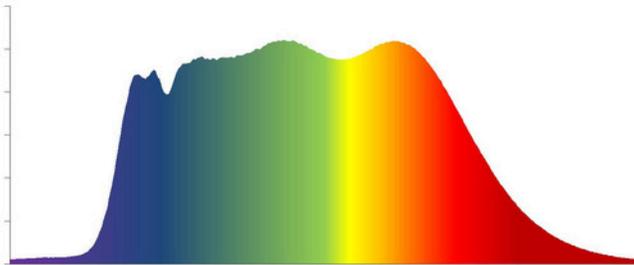
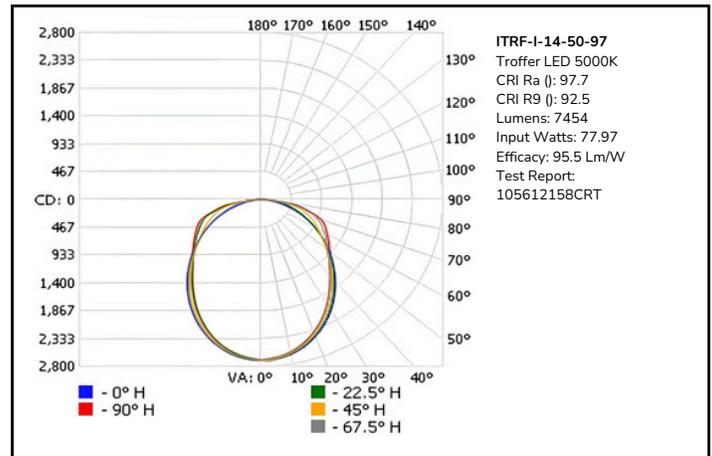
## PERFORMANCE

### 1X2, 1X4 INTEGRAL/REMOTE CIRCADIAN

Delivered Lumens at 5000K 97 CRI

Size	SKU	Nominal	Watts	Delivered
1x2	L20	2000	20	1912
	L25	2500	26	2486
	L30	3000	31	2964
1x4	L20	2000	20	1912
	L25	2500	26	2486
	L30	3000	31	2964
	L35	3500	36	3442
	L40	4000	41	3920
	L45	4500	47	4494
	L50	5000	52	4972
	L55	5500	57	5450
	L60	6000	62	5928
1X4 HO	L80	8000	83	7936
	L85	8500	88	8415

CCT (Kelvin)	Multiplier 97 CRI
2700K	0.91
3000K	0.96
3500K	0.96
4000K	1
5000K	1
5700K	1
6500K	1



# ILLUCENT TROFFER

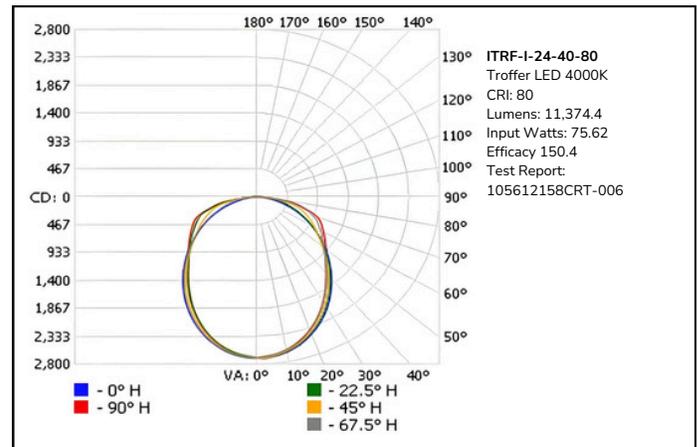
## PERFORMANCE

### 2X2, 2X4 INTEGRAL/REMOTE

Delivered Lumens at 4000K 80 CRI

Size	SKU	Nominal	Watts	Delivered
2x2	L25-	2500	16	2407
	L30-	3000	19	2858
	L35-	3500	23	3459
	L40-	4000	26	3911
	L45-	4500	29	4362
	L50-	5000	33	4964
	L55-	5500	36	5415
	L60-	6000	40	6016
2X4	L25-	2500	16	2407
	L30-	3000	19	2858
	L35-	3500	23	3459
	L40-	4000	26	3911
	L45-	4500	29	4362
	L50-	5000	33	4964
	L55-	5500	36	5415
	L60-	6000	40	6016
	L65-	6500	43	6468
	L70-	7000	46	6919
	L75-	7500	49	7370
	L80-	8000	53	7972
	L85-	8500	56	8423
	L90-	9000	59	8874
	L95-	9500	63	9476
	L100-	10000	66	9927
L105-	10500	69	10378	
L110-	11000	73	10980	
L115-	11500	76	11431	
L120-	12000	80	12033	
2X4 HO	L125-	12500	83	12484
	L130-	13000	86	12935
	L135-	13500	89	13386

CCT (Kelvin)	Multiplier 80 CRI	Multiplier 90 CRI
2700K	0.92	0.78
3000K	0.95	0.84
3500K	0.98	0.88
4000K	1	0.92
5000K	1.02	0.97
5700K	1.03	0.98
6500K	1.04	0.99



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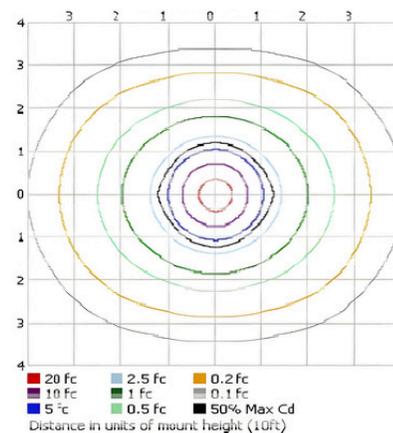
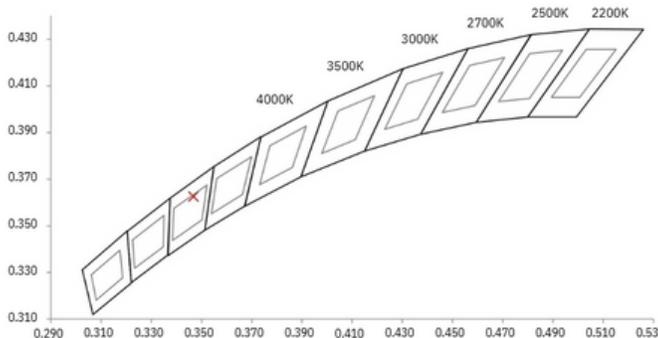
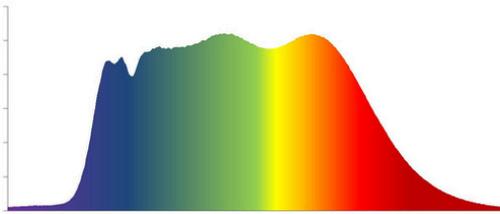
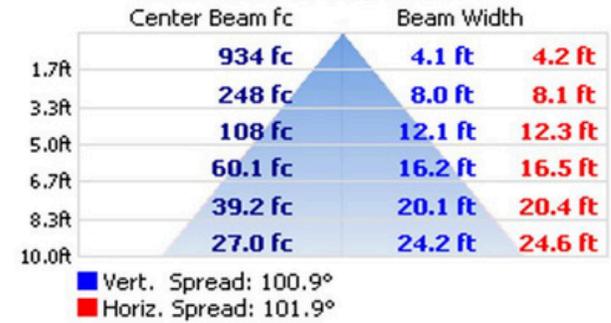
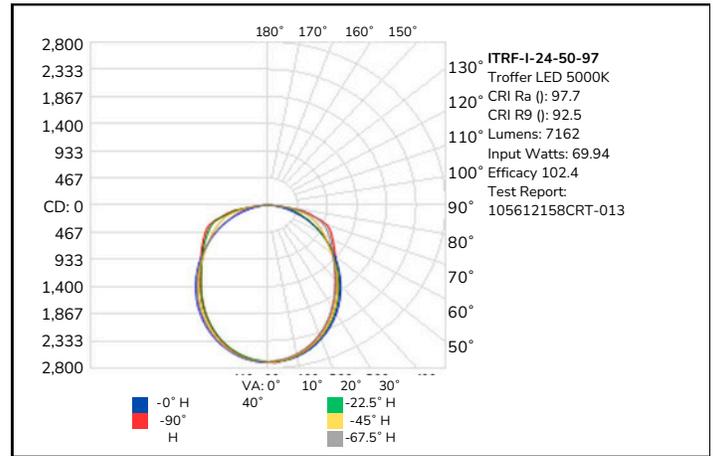
## PERFORMANCE

### 2X2, 2X4 INTEGRAL/REMOTE CIRCADIAN

Delivered Lumens at 5000K 97 CRI

Size	SKU	Nominal	Watts	Delivered
2X2	L25-	2500	24	2458
	L30-	3000	29	2970
	L35-	3500	34	3482
	L40-	4000	40	4096
2X4	L30-	3000	29	2970
	L35-	3500	34	3482
	L40-	4000	39	3994
	L45-	4500	43	4403
	L50-	5000	48	4915
	L55-	5500	53	5427
	L60-	6000	58	5939
	L65-	6500	63	6451
	L70-	7000	68	6963
	L75-	7500	73	7475
2X4 HO	L85-	8500	83	8499
	L90-	9000	87	8909

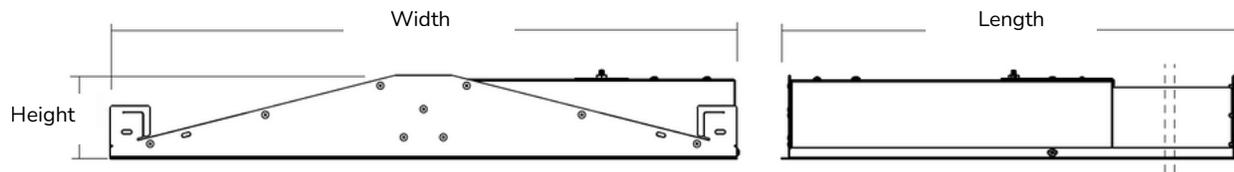
CCT (Kelvin)	Multiplier 97 CRI
2700K	0.91
3000K	0.96
3500K	0.96
4000K	1
5000K	1
5700K	1
6500K	1



# ILLUCENT TROFFER

## DIMENSIONS

### INTEGRAL LINE VOLTAGE

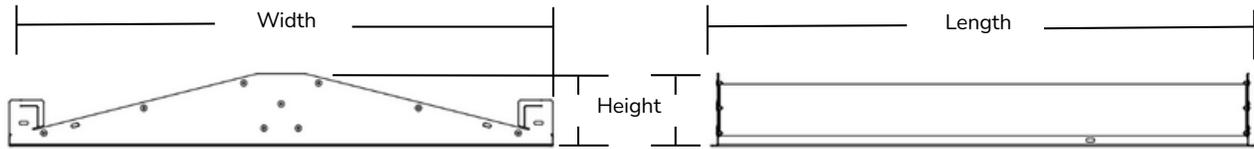


Grid Sizing	Size	WIDTH		LENGTH		HEIGHT		WEIGHT	
		IN	MM	IN	MM	IN	MM	LB	KG
Standard Grid	1X2	23.75	603	11.75	298	3.9	99	8.2	3.72
	1X4	47.75	1213	11.75	298	3.14	80	14	6.35
	2X2	23.75	603.25	23.75	603	3.14	79.756	9.5	4.313
	2X4	47.75	1212.85	23.75	603	3.14	79.756	18	8.172
Armstrong D-Max & D-Max Plus	1X2	22.875	581	10.875	276	3.9	99	8.2	3.72
	2X2	22.875	581.025	22.875	581	3.14	79.756	9.5	4.313
	1X4	46.875	1191	10.875	276	3.14	80	14	6.35
	2X4	46.875	1190.625	22.875	581	3.14	79.756	18	8.172
Gordon DG 1.5, Dg 3.0	1X2	23.1875	589	11.1875	284	3.9	99	8.2	3.72
	1X4	47.1875	1199	11.1875	284	3.14	80	14	6.35
	2X2	23.1875	588.9625	23.1875	589	3.14	79.756	9.5	4.313
	2X4	47.1875	1198.563	23.1875	589	3.14	79.756	18	8.172
Gordon DG X-Span	1X2	22.875	581	10.875	530	3.9	99	8.2	3.72
	1X4	46.875	1191	10.875	530	3.14	80	14	6.35
	2X2	22.875	581.025	22.875	581	3.14	79.756	9.5	4.313
	2X4	46.875	1190.625	22.875	581	3.14	79.756	18	8.172
Polargy PICS & PICS Global	1X4	47.3	1201	11.3	287	3.14	80	14	6.35
	2X4	47.3	1201.42	23.3	592	3.14	79.756	18	8.172
Tate Grid & Tate Duo	1X2	22.75	578	11.1875	284	3.9	99	8.2	3.72
	1X4	46.75	1187	11.1875	284	3.14	80	14	6.35
	2X2	22.75	577.85	23.1875	589	3.14	79.756	9.5	4.313
	2X4	46.75	1187.45	23.1875	589	3.14	79.756	18	8.172

# ILLUCENT TROFFER

## DIMENSIONS

### REMOTE DISTRIBUTED LOW VOLTAGE



Grid Sizing	Size	WIDTH		LENGTH		HEIGHT		WEIGHT	
		IN	MM	IN	MM	IN	MM	LB	KG
Standard Grid	1X2	23.75	603.25	11.75	298	3.14	79.756	4.6	2.09
	1X4	47.75	1212.85	11.75	298	3.14	79.756	8.7	3.95
	2X2	23.75	603.25	23.75	603	3.14	79.756	7.5	3.405
	2X4	47.75	1212.85	23.75	603	3.14	79.756	14	6.356
Armstrong D-Max & D-Max Plus	1X2	22.875	581.025	10.875	276	3.14	79.756	4.6	2.09
	2X2	22.875	581.025	22.875	581	3.14	79.756	7.5	3.405
	1X4	46.875	1190.625	10.875	276	3.14	79.756	8.7	3.95
	2X4	46.875	1190.625	22.875	581	3.14	79.756	14	6.356
Gordon DG 1.5, Dg 3.0	1X2	23.1875	588.9625	11.1875	284	3.14	79.756	4.6	2.09
	1X4	47.1875	1198.563	11.1875	284	3.14	79.756	8.7	3.95
	2X2	23.1875	588.9625	23.1875	589	3.14	79.756	7.5	3.405
	2X4	47.1875	1198.563	23.1875	589	3.14	79.756	14	6.356
Gordon DG X-Span	1X2	22.875	581.025	10.875	530	3.14	79.756	4.6	2.09
	1X4	46.875	1190.625	10.875	530	3.14	79.756	8.7	3.95
	2X2	22.875	581.025	22.875	581	3.14	79.756	7.5	3.405
	2X4	46.875	1190.625	22.875	581	3.14	79.756	14	6.356
Polargy PICS & PICS Global	1X4	47.3	1201.42	11.3	287	3.14	79.756	8.7	3.95
	2X4	47.3	1201.42	23.3	592	3.14	79.756	14	6.356
Tate Grid & Tate Duo	1X2	22.75	577.85	11.1875	284	3.14	79.756	4.6	2.09
	1X4	46.75	1187.45	11.1875	284	3.14	79.756	8.7	3.95
	2X2	22.75	577.85	23.1875	589	3.14	79.756	7.5	3.405
	2X4	46.75	1187.45	23.1875	589	3.14	79.756	14	6.356