

LANTANA LED

ILLUCENT TROFFER

SPECIFICATION



Engineered to fit multiple structural ceilings with optional integrated sensors, the Illucent Troffer provides efficient, evenly distributed light with minimal glare.



Efficacy Up to: 150.4 Lm/W

Total Output: 13,536 Lumens

Max Watt: 90

CRI: 80, 90, 97

CCT: 2700K-6500K

UGR: 21.8 4H/8H

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:

- Recessed

Construction:

- Recyclable Acrylic
- 22ga powder cold rolled steel

Warranty: 10-Year, upgradeable to include drivers

Additional Features

- High Output Driver
- Fits Multiple Structural Ceiling Grids
- Dynamic, Static Circadian, & Tunable White
- 0-10V Dimming Down to 1%
- Integrated Controls Option
- Withstands High-Heat Environments

Standards & Certifications

- UL 1598: Luminaires
- UL 924: Emergency
- UL 2108: Low-Voltage
- UL Certified for Elevated Ambient Operating Temperatures
- IC-Rated
- TAA

Applications

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

Environmental:

- Recyclable Materials
- Title 24 Compliant
- Declare
- DLC Listed
- EPD Smart Certified

2024 PIA Product of the Year 

2025 Titan Property Silver Award:
Mission Critical Lighting 

2025 Titan Property Silver Award:
Sustainable Lighting 

ILLUCENT TROFFER

ORDERING INFORMATION

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Series/Type	Power	Size	Mounting	
ITRF- Illucent Troffer	I- Integral IEM- Integral EM R- Remote POE- PoE	12- 1x2 22- 2x2 14- 1x4 24- 2x4	SG- Standard Grid ADG- Armstrong DynaMax ADGP- Armstrong DynaMax Plus GG1- Gordon DG 1.5 GG3- Gordon DG 3.0 GXG- Gordon Grid Max	TG- Tate GRID TD- Tate DUO PP- Polargy PICS PPG- Polargy PICS Global
	Remote requires remote driver unit or alternative DC power source.		Verify fixture/grid dimensions. Standard Grids are non-structural based on 24" and 48" on center (9/16", 15/16") PP & PPG only available in 2x4. GXG - Gordon DG X-Span Grid now known as Grid Max	

<input type="text"/>	<input type="text"/>	<input type="text"/>	
Optics	Distribution	Lumen Output	
- NA	- NA	L#- 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

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

SC and DC use 97 CRI
Choose CCT for delivery, DC and TW can be adjusted in the field.
See performance for CCT and the corresponding CS value.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Feed	Finish	End Cap	Sensors*
- NA	- NA	- NA	JD- JDRF Autonomy Sensor LU- Lutron Athena Wireless Node WT- Wattstopper FSP-202 LD- LANTANA Dip Switch NL- nLight nES CU- Current NXSMP SE- SmartEngine PoE

Project: _____ Date: _____
Part Number: _____ Qty: _____
Notes: _____

Sensor includes installation of sensor and sensor end cap.
Verify compatibility of emergency and sensor before ordering.

*Additional costs may apply

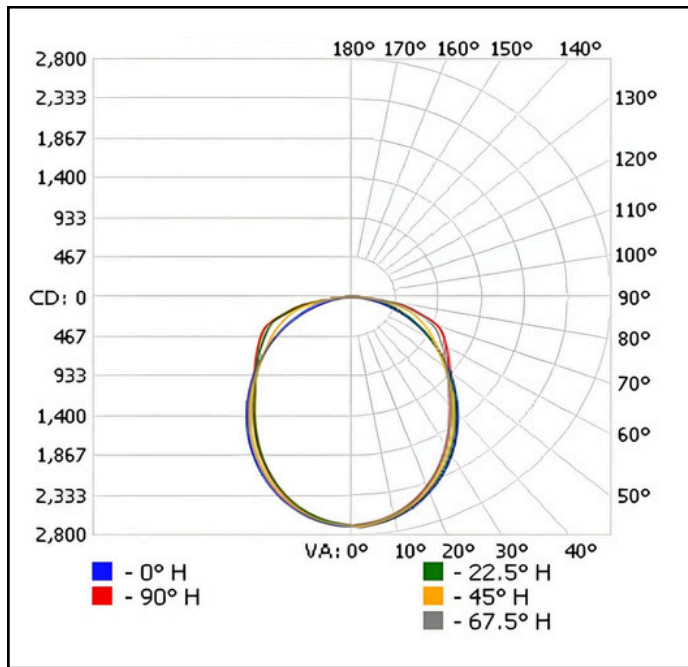
ILLUCENT TROFFER

PERFORMANCE

1X2, 1X4 INTEGRAL/REMOTE

Delivered Lumens at 4000K 80 CRI

Lumens 10,111.2. Input Watts 72.52, Efficacy 139.4 Lm/W



CCT (Kelvin)	Multiplier 80 CRI	Efficacy Lm/W	Multiplier 90 CRI	Efficacy Lm/W
2700K	0.91	126.2	0.76	105.8
3000K	0.95	131.7	0.80	110.8
3500K	0.97	135.2	0.82	114.6
4000K	1.00	139.4	0.85	117.8
5000K	1.00	139.4	0.85	117.8
5700K	1.00	139.4	0.85	117.8
6500K	0.99	137.6	0.85	117.8

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	39	5437
	L60-	6000	43	5995
	L65-	6500	46	6413
	L70-	7000	50	6971
	L75-	7500	53	7389
	L80-	8000	57	7947
1x4 High Output	L85-	8500	60	8365
	L90-	9000	64	8923
	L95-	9500	68	9481
	L100-	10000	71	9899
	L105-	10500	75	10457
1x4 High Output	L110-	11000	78	10875
	L115-	11500	82	11432
	L120-	12000	86	11990
1x4 High Output	L125-	12500	89	12408

ILLUCENT TROFFER

PERFORMANCE



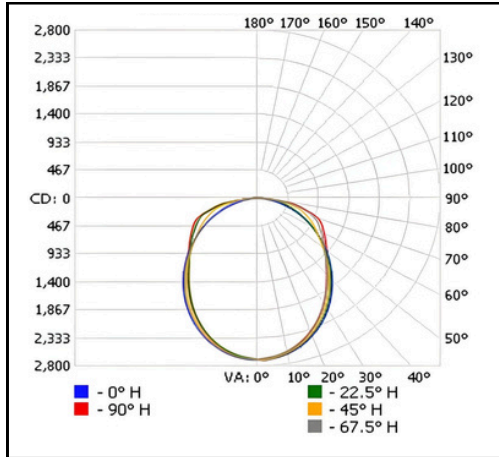
1X2, 1X4 INTEGRAL/REMOTE CIRCADIAN

Delivered Lumens at 5000K 97 CRI

Lumens 7484, Input Watts 77.97, Efficacy 95.5 Lm/W

CRI Ra (l): 97.7

CRI R9 (l): 92.5

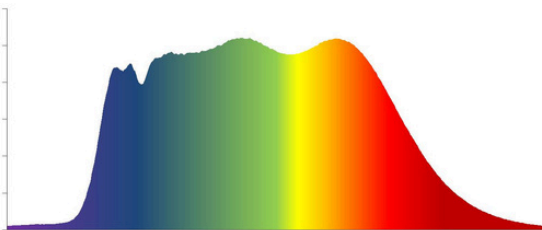


CCT (Kelvin)	Multiplier 97 CRI	Efficacy Lm/W
2700K	0.91	86.9
3000K	0.96	91.7
3500K	0.96	91.7
4000K	1	95.5
5000K	1	95.5
5700K	1	95.5
6500K	1	95.5

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
	L65	6500	67	6407
1x4 HO	L70	7000	73	6980
	L75	7500	78	7458
	L80	8000	83	7936
	L85	8500	88	8415

300 LUX Eye Illuminance

CCT	M/P Value			VAF Value			CS Value		
	Fixture	Daylight	Diff.	Fixture	Daylight	Diff.	Fixture	Daylight	Diff.
2700K	0.515	0.522	-1.2%	0.337	0.353	-4.5%	0.2697	0.302	-1.7%
3000K	0.598	0.603	-0.8%	0.419	0.428	-2.1%	0.331	0.331	-0.9%
3500K	0.669	0.679	-1.5%	0.186	0.501	-3.0%	0.358	0.360	-0.6%
4000K	0.739	0.734	0.7%	0.536	0.557	-3.8%	0.249	0.256	-2.7%
5000K	0.945	0.934	1.2%	0.744	0.759	-2.0%	0.341	0.337	1.2%
5700K	1.024	1.016	0.8%	0.828	0.840	-1.4%	0.361	0.366	-1.4%
6500K	1.3093	1.079	1.3%	0.898	0.912	-1.5%	0.385	0.391	-1.5%



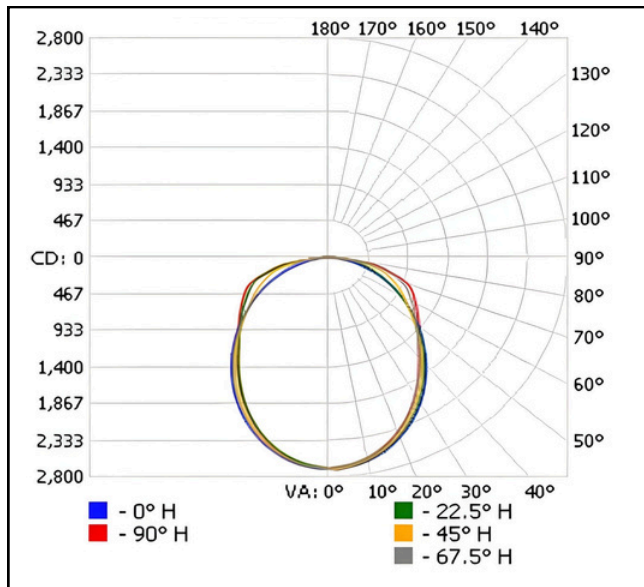
ILLUCENT TROFFER

PERFORMANCE

2X2, 2X4 INTEGRAL/REMOTE

Delivered Lumens at 4000K 80 CRI

Lumens 11,374, Input Watts 75.62, Efficacy 150.4 Lm/W



CCT (Kelvin)	Multiplier 80 CRI	Efficacy Lm/W	Multiplier 90 CRI	Efficacy Lm/W
2700K	0.91	136.1	0.76	114.2
3000K	0.95	142.1	0.80	119.6
3500K	0.97	145.9	0.82	123.6
4000K	1.00	150.4	0.85	127.1
5000K	1.00	150.4	0.85	127.1
5700K	1.00	150.4	0.85	127.1
6500K	0.99	148.4	0.85	127.1

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
	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
	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	
2X4 HO	L120-	12000	80	12033
	L125-	12500	83	12484
	L130-	13000	86	12935
	L135-	13500	89	13386

ILLUCENT TROFFER

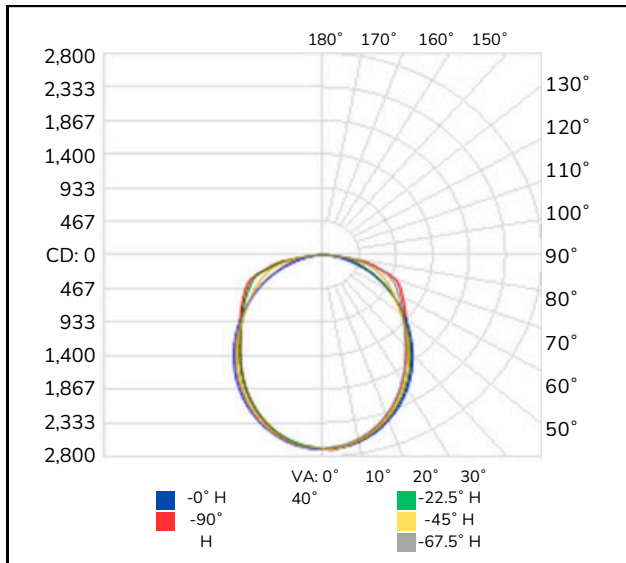
PERFORMANCE



2X2, 2X4 INTEGRAL/REMOTE CIRCADIAN

Delivered Lumens at 5000K 97 CRI

Lumens 7162, Input Watts 69.94, Efficacy 102.4 Lm/W

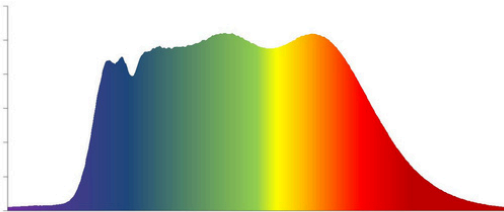


CCT (Kelvin)	Multiplier 97 CRI	Efficacy Lm/W
2700K	0.91	93.2
3000K	0.96	98.3
3500K	0.96	98.3
4000K	1	102.4
5000K	1	102.4
5700K	1	102.4
6500K	1	102.4

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
2X4 HO	L70-	7000	68	6963
	L75-	7500	73	7475
	L80-	8000	78	7987
2X4 HO	L85-	8500	83	8499
	L90-	9000	87	8909
	L95-	9500	92	9421

300 LUX Eye Illuminance

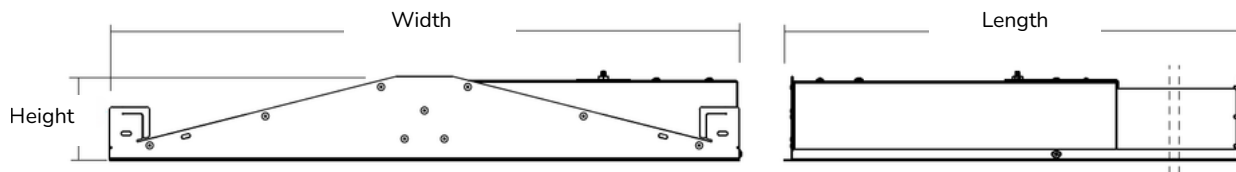
CCT	M/P Value			VAF Value			CS Value		
	Fixture	Daylight	Diff.	Fixture	Daylight	Diff.	Fixture	Daylight	Diff.
2700K	0.515	0.522	-1.2%	0.337	0.353	-4.5%	0.2697	0.302	-1.7%
3000K	0.598	0.603	-0.8%	0.419	0.428	-2.1%	0.331	0.331	-0.9%
3500K	0.669	0.679	-1.5%	0.186	0.501	-3.0%	0.358	0.360	-0.6%
4000K	0.739	0.734	0.7%	0.536	0.557	-3.8%	0.249	0.256	-2.7%
5000K	0.945	0.934	1.2%	0.744	0.759	-2.0%	0.341	0.337	1.2%
5700K	1.024	1.016	0.8%	0.828	0.840	-1.4%	0.361	0.366	-1.4%
6500K	1.3093	1.079	1.3%	0.898	0.912	-1.5%	0.385	0.391	-1.5%



ILLUCENT TROFFER

DIMENSIONS

INTEGRAL LINE VOLTAGE

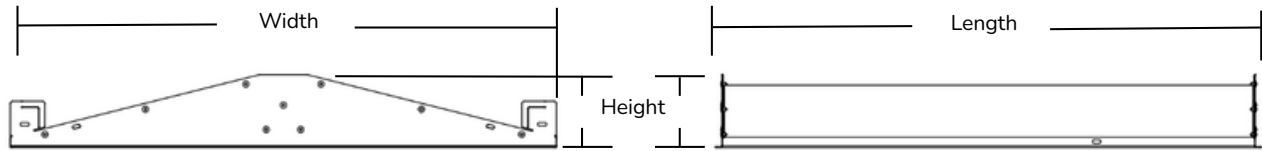


Grid Sizing	Size	WIDTH		LENGTH		HEIGHT		WEIGHT	
		IN	MM	IN	MM	IN	MM	LB	KG
Standard Grid	1X2	23.75	603	11.75	298	3.9	99	8.2	3.72
	1X4	47.75	1213	11.75	298	3.14	80	14	6.35
	2X2	23.75	603.25	23.75	603	3.14	79.756	9.5	4.313
	2X4	47.75	1212.85	23.75	603	3.14	79.756	18	8.172
Armstrong D-Max & D-Max Plus	1X2	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 Grid Max Previously 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 Grid Max Previously 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