



LED Troffer Series

Innovation you can rely on™

 **COOPER** Lighting

Metalux GC LED Troffer Series

The Metalux GC LED Troffer Series blends contemporary low-profile styling with optimal illumination design to deliver leading-edge performance and energy savings. It provides a soft natural illumination with greater light uniformity for superior comfort and aesthetics. In addition, it simplifies installation and maintenance with a tool-less hinged door assembly.



Design Performance Features

- Available in 2' x 2' and 2' x 4'
- Three CCT options: 3000K, 3500K and 4000K
- Each fixture offers two popular lumen packages at 85 CRI
- Ease of installation with shallow depth (3-1/4") and tool-less hinged door access
- High performance efficacy up to 107 lumens per watt
- Over 40% energy savings when compared to a 3-lamp fluorescent troffer
- Standard 0-10V continuous dimming driver. Combine with products from Cooper Controls for additional energy savings.
- L70 at 50,000 hours
- 5-year warranty
- cULus – damp location listed, IC rated and ROHS listed

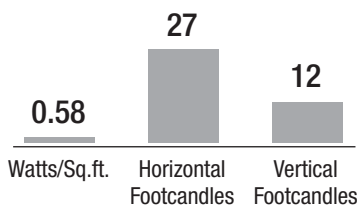


Visual Comfort	Versatile Design	Precision Optics	Energy Savings	Ease of Use	Control Flexibility
Robust design with classic aesthetic creates a streamlined appearance with soft natural illumination.	Multiple lumen packages, color temperatures, fixture sizes and specification options provide a complete solutions package for any application need.	Advanced optical design generates even light distribution with optimal uniformity, providing glare-free illumination.	High luminaire efficacy coupled with a variety of control options and a sustainable design provides reduced operating and maintenance costs.	One-piece shallow enclosure with spring-loaded steel latch and hinged door assembly offers tool-less access for ease of installation and maintenance.	Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V dimmer. Combine with occupancy sensors, daylighting controls and lighting relay panels from Cooper Controls to maximize energy savings.

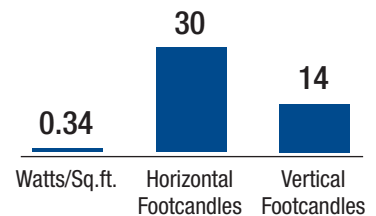


GC Troffer 3 Lamp, T8
 (3) 17W T8 Lamps, 120 Fixtures
 Electronic Ballast
 48 Watts per Fixture

GC Troffer Panels, LED
 LED Modules, 120 Fixtures
 Dimming Driver
 28 Watts per Fixture



BASED ON:
 ROOM SIZE - 100' X 100'
 CEILING HEIGHT - 9'
 WORKPLACE - 2.5'
 REFLECTANCE - 80/50/20
 LAYOUT - 8 X 8 CENTERS



Ordering Information 2' x 2' and 2' x 4'

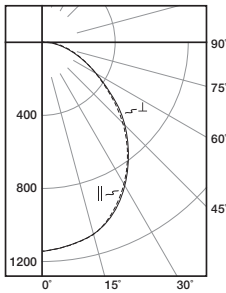
Sample Number: 2GC-LD1-48-A-UNV-L835-CD1-U

Rating	Width	Trim Type	Series	Door Frame	Lamp Type	LED Lumens Output
[Blank]=Standard ATW-SW4=Chicago Rated	2=2' Width	G=Grid/Lay-in - Standard ¹ G=Concealed-T G=Slot Grid	C=Specification Troffer	[Blank]=Flat White Steel Door FA=Flush White Extruded Aluminum c/w Spring Latch RA=Regressed White Extruded Aluminum FAN=Flush Natural Anodized Extruded Aluminum RAN=Regressed Natural Anodized Extruded Aluminum FAB=Flush Black Extruded Aluminum RAB=Regressed Black Extruded Aluminum	LD1=LED 1.0	26=2600 Lumens (2' x 2') 34=3400 Lumens (2' x 2') 48=4800 Lumens (2' x 4') 57=5700 Lumens (2' x 4')
Shielding		Option - Aluminum Flange Trim²		Voltage³	Lamps	Options
A=#12 Acrylic Pattern (0.095" Thickness) A125=#12 Acrylic Pattern (0.125" Thickness)		[Blank]=Single White Color N=Natural W=White	Type E=End of Row R=In Row S=Single	UNV=Universal Voltage 120-277 ⁴	L830=3000K L835=3500K L840=4000K	EL=Emergency Battery Installed ⁵ Flex=Flex Installed (Reference Flex Ordering Information) GL=Single Element Fuse GM=Double Element Fuse
Driver Type	Number of Drivers	Options			Packaging	Accessories
CD=0-10V Dimming Driver	1=1 Driver	FR=Fire Rated Label PAF=Painted After Fabrication	G1=Gasket, Door Frame and Housing G2=G1 plus Gasket between Lens and Door G3=G1 and G2 plus Gasketing on Mounting Surface of Fixture Trims	PALC=Job Pack, in Carton U=Unit Pack	EQ-CLIP-U=T-BAR Safety Earthquake Clips ¹ FCTKA-22W-U=2' x 2' Field Installed Flange Kit FCTKA-24W-U=2' x 4' Field Installed Flange Kit	

NOTES: 1. An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. 2. Specify row configuration, type in catalog number when ordering complete fixtures. 3. Products also available in non-US voltage and frequencies for international markets. 4. Not available when specifying emergencies, voltage must be specific. 5. EL options are non-integral. Please reference individual specification sheets for specific ordering details.

Photometrics

2GC-LD1-26-A-UNV-L835-CD1-U



Coefficients of Utilization

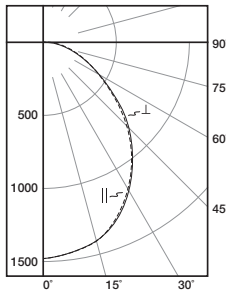
rc	Effective floor cavity reflectance 20%									
	80%		50%		30%					
rw	70	50	30	10	50	30	10			
RCR	0	119	119	119	111	111	111	106	106	106
1	109	105	101	97	98	95	92	94	92	89
2	100	92	86	80	87	82	77	83	79	76
3	92	82	74	68	77	71	66	74	69	65
4	84	73	64	58	69	62	57	67	61	56
5	78	66	57	51	62	55	50	60	54	49
6	72	59	51	45	57	49	44	55	49	44
7	67	54	46	40	52	45	39	50	44	39
8	63	50	41	36	48	40	35	46	40	35
9	59	46	38	32	44	37	32	43	36	32
10	55	42	35	29	41	34	29	40	34	29

Dimming Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (L) 1.2 x mounting height
Efficiency = 100%
Lumens = 2659
Input Watts = 28.2W
Efficacy = 94 LPW
Test: 2GC-LD1-26-A-UNV-L835-CD1-U.IES

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	850	31.9
0-40	1350	50.8
0-60	2195	82.5
0-90	2659	100.0
0-180	2659	100.0

2GC-LD1-34-A-UNV-L835-CD1-U



Coefficients of Utilization

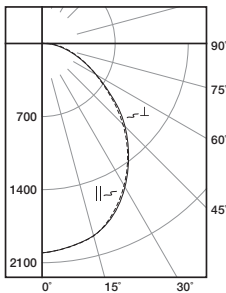
rc	Effective floor cavity reflectance 20%									
	80%		50%		30%					
rw	70	50	30	10	50	30	10			
RCR	0	119	119	119	111	111	111	106	106	106
1	109	105	101	97	98	95	92	94	92	89
2	100	92	86	80	87	82	77	83	79	76
3	92	82	74	68	77	71	66	74	69	65
4	84	73	64	58	69	62	57	67	61	56
5	78	66	57	51	62	55	50	60	54	49
6	72	59	51	45	57	49	44	55	49	44
7	67	54	46	40	52	45	39	50	44	39
8	63	50	41	36	48	40	35	46	40	35
9	59	46	38	32	44	37	32	43	36	32
10	55	42	35	29	41	34	29	40	34	29

Dimming Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (L) 1.3 x mounting height
Efficiency = 100%
Lumens = 3477
Input Watts = 37.2W
Efficacy = 93 LPW
Test: 2GC-LD1-34-A-UNV-L835-CD1-U.IES

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1110	31.9
0-40	1765	50.8
0-60	2869	82.5
0-90	3477	100.0
0-180	3477	100.0

2GC-LD1-48-A-UNV-L835-CD1-U



Coefficients of Utilization

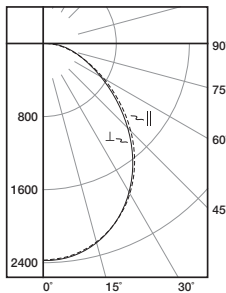
rc	Effective floor cavity reflectance 20%									
	80%		50%		30%					
rw	70	50	30	10	50	30	10			
RCR	0	119	119	119	111	111	111	106	106	106
1	109	104	100	96	98	95	92	94	91	89
2	100	92	85	80	86	81	77	83	79	75
3	91	81	73	67	77	70	65	74	69	64
4	84	72	64	57	69	62	56	66	60	55
5	77	65	56	50	62	55	49	60	53	49
6	72	59	50	44	56	49	43	54	48	43
7	67	54	45	39	51	44	39	50	43	38
8	62	49	41	35	47	40	35	46	39	34
9	58	45	37	32	43	36	31	42	36	31
10	55	42	34	29	40	33	29	39	33	29

Dimming Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (L) 1.2 x mounting height
Efficiency = 100%
Lumens = 4848
Input Watts = 46.6W
Efficacy = 104 LPW
Test: 2GC-LD1-48-A-UNV-L835-CD1-U.IES

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1507	31.1
0-40	2407	49.6
0-60	3963	81.7
0-90	4848	100.0
0-180	4848	100.0

2GC-LD1-57-A-UNV-L835-CD1-U



Coefficients of Utilization

rc	Effective floor cavity reflectance 20%									
	80%		50%		30%					
rw	70	50	30	10	50	30	10			
RCR	0	119	119	119	111	111	111	106	106	106
1	109	104	100	96	98	95	92	94	91	89
2	100	92	85	80	86	81	77	83	79	75
3	91	81	73	67	77	70	65	74	68	64
4	84	72	64	57	68	62	56	66	60	55
5	77	65	56	50	62	55	49	60	53	48
6	72	59	50	44	56	49	43	54	48	43
7	67	53	45	39	51	44	39	50	43	38
8	62	49	41	35	47	40	35	46	39	34
9	58	45	37	32	43	36	31	42	36	31
10	55	42	34	29	40	33	29	39	33	29

Dimming Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (L) 1.2 x mounting height
Efficiency = 100%
Lumens = 5791
Input Watts = 54.3W
Efficacy = 107 LPW
Test: 2GC-LD1-57-A-UNV-L835-CD1-U.IES

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1796	31.0
0-40	2869	49.5
0-60	4727	81.6
0-90	5791	100.0
0-180	5791	100.0

Cooper Lighting

Headquarters
1121 Highway 74 South
Peachtree City, GA 30269

P: 770-486-4800
www.cooperlighting.com

International Sales

Cooper Lighting
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
F: 770-486-4801

Canada Sales

Cooper Lighting
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

The Cooper Lighting Family

Halo
Halo Commercial
Portfolio
IRiS
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

Domestic Distribution Facilities

Cranbury, New Jersey
Elk Grove Village, Illinois
Irving, Texas
Bloomington, California
Peachtree City, Georgia

Canadian Distribution Facilities

Calgary, Alberta T2E 7V9
Mississauga, Ontario L5R 1B8

The Cooper Controls Family

Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)

Cooper Lighting, Innovation you can rely on and Metalux are valuable trademarks of Cooper Industries in the United States and other countries. You are not permitted to use the Cooper Trademarks without the prior written consent of Cooper Industries.

Cooper Industries plc
600 Travis, Ste. 5600
Houston, TX 77002-1001
P: 713-209-8400
www.cooperindustries.com