GRLED Troffer

General Recessed Lensed

Metalux

EATON

Powering Business Worldwide

Innovation you can rely on™

Metalux's **GRLED** Lensed Troffers offers the ideal balance of LED performance and value. This new series delivers top-tier LED performance, maximizing your energy savings and reducing maintenance cost, while offering the simplicity of our most popular lensed troffer family. With features like spring-loaded hinged door assembly for easy access, GR LED provides the perfect fit for virtually all recessed applications.

Construction

- Recessed: 2' x 2', 2' x 4' and 1' x 4'
- Depth: 3.25"
- Sustainable materials
- cULus damp location / IC Rated
- ROHS compliant
- Five-year warranty

Performance

- New F1 - high performance frost .125 lens standard
- High-performance efficacy up to 117 lumens per watt
- Energy savings in excess of 50% compared to traditional fluorescent troffers
- Four Correlated Color Temperatures (3000K, 3500K, 4000K and 5000K) at typical 85 CRI
- 1' x 4': L85 @ 60,000 hrs.
  2' x 2': L86 @ 60,000 hrs.
  2' x 4': L84 @ 60,000 hrs.
- Binning: Per ANSI, 3-step MacAdam ellipse

Options

- Five stocked lumen packages in either 3500K or 4000K CCT
  - 2' x 2': 2400 and 3200; 2' x 4': 3800, 4800 and 6400
  - Eighteen additional lumen packages offered as MTO
- Universal (120V/277V) or 347V
- Emergency – EL (700), EL10W (10 watts) and EL14 (1400)
- Surface mount kits
- Wide variety for door and lens options
- Flex wiring configurations
- Chicago plenum rated version

Controls

- GRLED includes 0-10V (analog) dimming for control using Cooper Controls wall dimmers, Greengate Room Controllers, occupancy and/or daylight sensors, and lighting control panels.
- GRLED is available with native Fifth Light DALI drivers for complete digital energy management using the capable and scalable Fifth Light controllers and software.

powered by fifthlight technology

Ordering Information

Sample Number: 24GR-LD4-48-F1-UNV-L835-CD1-U

Rating	Series [1, 11]	Door Frame	LED Type	LED Lumens Output [5]
[Blank]=Standard **ATW-SW4**=Chicago Rated	**24GR**=GRLED Series (2' x 4') **22GR**=GRLED Series (2' x 2') **14GR**=GRLED Series (1' x 4')	**Standard**=Flat White Steel Door (Leave Blank) **FA**=Flat 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	**LD4**=LED 4.0	**2' x 4'** **Stock** **38**=3800 Lumens **48**=4800 Lumens **64**=6400 Lumens **MTO** **30**=3000 Lumens **34**=3400 Lumens **42**=4200 Lumens **56**=5600 Lumens **72**=7200 Lumens **85**=8500 Lumens **90**=9000 Lumens **2' x 2'** **Stock** **24**=2400 Lumens **32**=3200 Lumens **43**=4300 Lumens **MTO** **20**=2000 Lumens **28**=2800 Lumens **36**=3600 Lumens **40**=4000 Lumens **1' x 4'** **MTO** **20**=2000 Lumens **24**=2400 Lumens **28**=2800 Lumens **32**=3200 Lumens **36**=3600 Lumens **40**=4000 Lumens **43**=4300 Lumens

Shielding	Voltage [2]	Options
F1=A12 High Performance Frost .125 **A**=A12 .095 **A125**=A12 .125 **A19/156**=#19 Pattern Acrylic (.156" Thick)	**UNV**=Universal Voltage 120-277 [3]	**GL**=Single Element Fuse **GM**=Double Element Fuse **Emergency** **EL7W**=7-watt, 120V-277V emergency battery pack installed [8] **EL14W**=14-watt 120V-277V emergency battery pack installed [8] **CCT** **L830**=3000K **L835**=3500K **L840**=4000K **L850**=4000K **Flex** **Flex**=Multiple Configurations Available

Driver Type	Number of Drivers	Options	Packaging	Accessories (Order Separately)
CD=0-10V Dimming Driver (Standard) **SD**=Step-dim Driver [10] **5LTD**=Fifth Light (DALI) Driver (10% - 100% Dimming) [10] **5LTHD**=Fifth Light (DALI) Driver (1% - 100% Dimming) [10]	**1**=1 Driver **2**=2 Drivers [9]	**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 [6, 7]	**U**=Unit Pack **PALC**=Palletized Fixtures in Carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips [1] **DF-22-W**=2' x 2' Drywall Frame Kit **DF-24-W**=2' x 4' Drywall Frame Kit

NOTES: 1. An EQ Grid Clip is recommended for all 9/16" ceiling systems. **2.** Products also available in non-US voltage and frequencies for international markets. **3.** Not available when specifying emergencies, voltage must be specific. **4.** Call factory. **5.** Nominal lumen output. **6.** Gasketing only available with aluminum door frame. **7.** Gasketing minimum .125. **8.** With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. **9.** Only available for 2' x 4'. **10.** Step Dim (Bi Level) and DALI only available in 3200 lumen and above. **11.** DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details.

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

2' x 4' Lumen Maintenance		
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 84%	147,000

2' x 2' Lumen Maintenance		
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 86%	150,000

1' x 4' Lumen Maintenance		
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 85%	> 144,000

Certification Data					
cULus - Damp Location	IC Rated	LM79/LM80 Compliant	ROHS Compliant	DesignLights Consortium™ Qualified	NOM Compliant

Our Lighting Product Lines

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

Our Controls Product Lines

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

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