

DESCRIPTION

GRW is a recessed wet location listed lensed troffer. GRV is a vandal resistant lensed troffer. Both are offered in 2x2, 2x4, and 1x4 sizes. Available with a flush white painted aluminum extruded door, several lumen packages, emergency battery packs, and either 1% or 10% continuous dimming. The shallow depth GRW and GRV are a superb functional and practical LED recessed luminaire.

Typical applications include: schools, lockers rooms, closets, kitchens, cafeterias, restrooms, storage areas, stock rooms, garages, and break rooms.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Housing is die formed of cold rolled steel and features full length die-formed stiffeners and unibody endplate for added strength. Side flanges are hemmed. Design provides superior lens brightness uniformity and visual comfort. Unibody endplates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. Endplates have integral Grid-lock feature for safety and convenience.

Finish

Multi-stage, iron phosphate pre-treatment ensures maximum bonding and corrosion inhibition. Housing and driver cover finished with 90% reflective white enamel. Painted After Fabrication option available.

Hinging/Latching

Positive spring loaded steel latches with baked white enamel finish. Safety-lock T-hinges allow hinging and latching either side. GRV incorporates tamper resistant screws that secure the latch in place.

Door Frame/Lens/Gasket

Door Frame is constructed of flat aluminum extruded sides and ends, painted gloss white powder coat. GRW lens is available with either Pattern 12 acrylic, 0.125" thick, or prismatic polycarbonate, 0.125" thick. GRV is offered with prismatic polycarbonate lenses ranging from 0.125" to 0.187" thick. GRW incorporates closed cell gasket between housing and grid, between housing and door frame, and between lens and door frame.

Compliance

Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. GRW is UL wet location listed under covered ceilings. GRV is damp location listed.

Electrical/Controls

LED system coupled with electrical driver delivers optimal performance. LED's available in 3000K, 3500K, 4000K or 5000K with typical CRI 85. Projected life is 60,000 hours at 90% lumen output. cULus listed. Electronic drivers for 120-277V applications. 0-10V dimming available for 1% and 10%.

Emergency Battery Pack Option

120V-277V integral emergency battery pack is available in 7-watt or 14-watt to meet critical life-safety lighting requirements. The 90-minute battery provides constant power to the LED system, ensuring code-compliance.



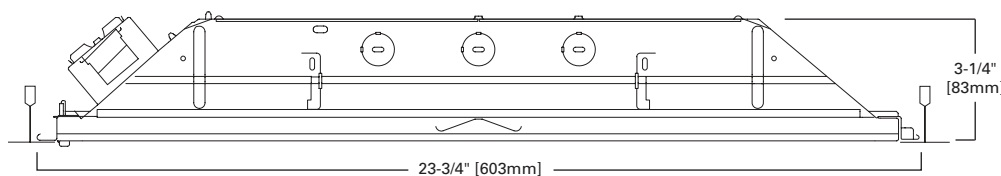
GRW GRV

Wet Location
Vandal Resistant
LED

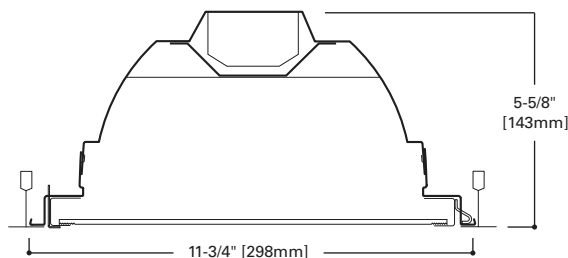
1'x4'
2'x2'
2'x4'

RECESSED LENSED TROFFER

2x2/2x4 cross-section



1x4 cross-section



ORDERING INFORMATION

SAMPLE NUMBERS: GRV-24-2-FA-LD4-43-40-P125-UNV-ED1D1-GSK
 GRW-12-4-FA-LD4-32-50-A19/156-UNV-EDC1-SL

GR	Width	Length	Door	LD4	Lumens	Color Temperature	Lens	Voltage	Driver Type/# of Circuits	Options
GR= GR Troffer				LED Type LD4=LED 4.0		30=3000K 35=3500K 40=4000K 50=5000K		UNV=Universal 120=120V 277=277V	EDC1=Electronic Driver, non-dimming, 1 circuit EDC2=Electronic Driver, non-dimming, 2 circuit EDD1=Electronic Driver, Dimming, 10%, 1 circuit EDD2=Electronic Driver, Dimming, 10%, 2 circuit ED1D1=Electronic Driver, 0-10v Dimming 1%, 1 circuit ED1D2=Electronic Driver, 0-10v Dimming 1%, 2 circuit	PAF=Painted After Fabrication (gloss white finish) GL=Single Element Fuse GM=Double Element Fuse EL7W=7-watt, 120V-277V emergency ^{2,3} battery pack installed EL14W=14-watt 120V-277V emergency ^{2,3} battery pack installed GTD2=Bodine Generator Transfer Device ⁶ ETS2=IOTA Emergency Transfer Switch ⁶ GSK/GRD=Closed cell gasket on housing flange, that rests on ceiling grid (Standard GRW) SL=Security Latch, (2) phillips pan-head, white painted screws SLTP=Security Latch, (2) tamper proof Torx T20, white painted screws (Standard GRV) INV= Inverted Lens (prisms up, smooth side down) AM=Anti-microbial exposed surfaces only (door).
Style W=Wet Location V=Vandal				2x4 Lumens ⁴ 48=4800 72=7200 90=9000		GRW A12125=#12 Pattern, 0.125" thick clear prismatic acrylic P125=0.125" thick, clear prismatic polycarbonate				
12=12" 24=24"				1x4 Lumens ⁴ 24=2400 32=3200 43=4300		GRV ACTF140=Acry-Tuf [®] impact resistant prismatic, 0.140" thick P125=0.125" thick, clear prismatic polycarbonate P156=0.156" thick, clear prismatic polycarbonate P187=0.187" thick, clear prismatic polycarbonate				
2=2' (not available 12" wide) 4=4'				2x2 Lumens ⁴ 24=2400 32=3200 43=4300						
Door Frame FA=Flush White Extruded Aluminum										

ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips
 DFCL-1248W-U=1' x 4' Drywall Frame Kit
 DFCL-2424W-U=2' x 2' Drywall Frame Kit
 DFCL-2448W-U=2' x 4' Drywall Frame Kit

Notes:

1. An EQ Grid Clip is recommended for all 9/16" ceiling systems. 2. Voltage must be specific. 3. 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. 4. Nominal lumen output with A125 lens. 5. ED1D1, ED1D2, not available with 6400, 7200, 9000 lumen versions. 6. Used to transfer fixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power.

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

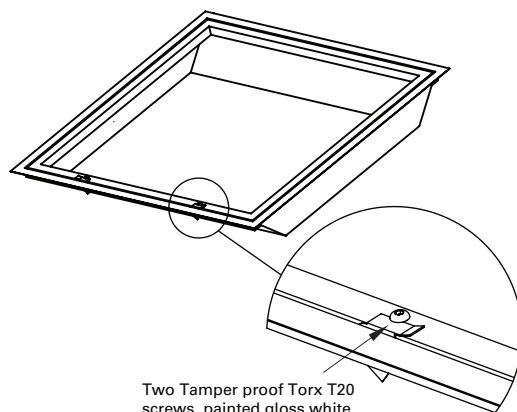
Approximate Lumen Multiplier

A125	1.0
A19/156	0.975
P125	0.950
P156	0.925
P187	0.900
ACTF140	0.940

Approximate Color Temperature Multiplier

5000K	1.125
4000K	1.031
3500K	1
3000K	0.969
2700K	0.938

Vandal Resistant Security Latch Detail



Two Tamper proof Torx T20 screws, painted gloss white to match the door frame. Available non-tamper proof screw, optional (SL).

Ceiling Compatibility

G
Grid/Lay-in
Standard



FA
Flat, Extruded
White Aluminum



Ceiling
Type

Exposed Grid
Concealed T
Slot Grid

(Verify compatibility/ consult factory.)

Trim
Type

G
G
G

Lumens/Wattages

Size	Lumens	Wattage
2x4	4800	43.8
	7200	63.7
	9000	85.2
2x2	2400	23.8
	3200	33.2
	4300	50.4
1x4	2400	23.8
	3200	33.2
	4300	50.4