

DESCRIPTION

The GC Series features a 4-3/4" deep para-contoured White Optics fixture housing and optimum lamp to lens spacing. The series produces total uniformity of light in the luminous area and is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

The specification luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The GC Series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

Construction

4-3/4" deep, para-contoured housing, die formed, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Deep "V" ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy endplates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KO's for continuous row wiring. Endplates have integral Grid-Lock feature for safety and convenience.

Electrical*

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Pressure lock lampholders. UL/CUL listed. ** Suitable for damp locations.

White Optics

97% reflective White Optics material with matching PAF ballast cover to help maximize retrofit kit efficiency, distribution, energy savings and payback.

Hinging/Latching

Positive Cam latch with baked enamel finish. Safety-lock T-hinges allow hinging and latching either side.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Frame/Shielding

Die formed, heavy gauge, flat steel door with reinforced mitered corners and baked white enamel finish. Positive light seals. Light stabilized 100% virgin acrylic prismatic shielding. Standard #12 pattern. Optional shielding available.

Controls

Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Lighting Solutions (www.cooperlighting.com) to maximize energy savings.



2GC
228T8
232
428T8
432

2' X 4' TROFFER
2 OR 4 T8 LAMPS

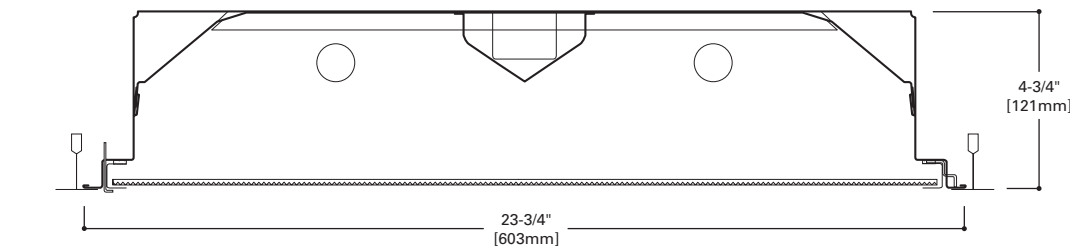
Specification Deep Troffer

whiteoptics™

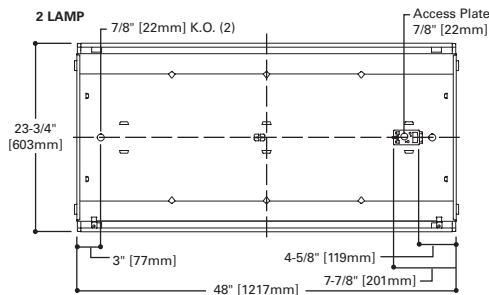


IMPROVING LIGHTING EFFICIENCY AND DESIGN

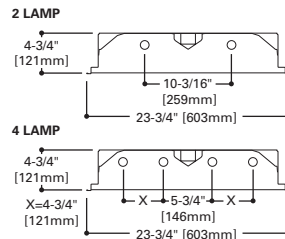
powered by
fifthlight
technology



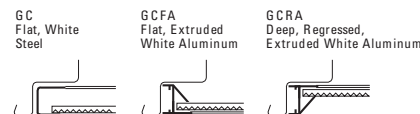
MOUNTING DATA



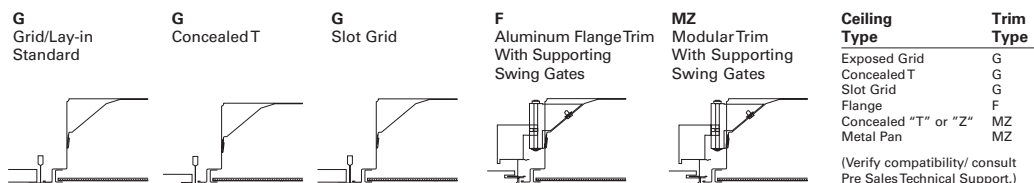
LAMP CONFIGURATIONS



DOOR FRAMES



CEILING COMPATIBILITY



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
228T8 (48), 232 (55)
428T8 (93), 432 (113)
Luminaire Efficacy Rating
LER = FL-66
Catalog Number: 2GC-232A
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.64

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.
**Consult Pre Sales Technical Support.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of disconnecting power.



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October 15, 2019 11:44 AM

ORDERING INFORMATION

SAMPLE NUMBER: 2GC-232A-UNV-EB81-U

<p>Rating Blank=Standard NY=New York City Rated ATW-SW4=Chicago Rated</p>	<p>White Optics WO=97% Reflective White Optics Finish</p>	<p>Ballast Type EB8_=T8 Electronic Start.Total Harmonic Distortion < 10%</p>	<p>Options RLS=Rotor Lock Socket (T8 Lamp only) 20GA/REP=20 Gauge Housing w/Riveted End Plate PAF=Painted After Fabrication</p>
<p>Width 2=2' Width</p>	<p>Number of Lamps 2=2 Lamps 4=4 Lamps</p>	<p>EB8_/PLUS=T8 Electronic Start.Total Harmonic Distortion < 10%. High Ballast Factor > 1.15.</p>	<p>Packaging U=Unit Pack PAL=Palletized Uncartoned Fixtures PALC=Palletized Fixtures in Carton</p>
<p>Trim Type G=Grid/Lay-in (Standard)⁽¹⁾ G=Concealed T⁽⁷⁾ G=Slot Grid⁽⁷⁾ F=Aluminum Flange Trim⁽⁶⁾ MZ=Modular Trim EMZ=Modular Trim (Extended Swing Arm)</p>	<p>Wattage 28T8=28W T8 (48")⁽⁴⁾ 32=32W T8 (48")⁽⁹⁾</p>	<p>ER8_=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%</p>	<p>ACCESSORIES</p>
<p>Series C=Specification Deep Troffer</p>	<p>Shielding A=#12 Acrylic Pattern A125=#12 Pattern Acrylic (.125" Thickness) A19/156=#19 Pattern Acrylic (.156" Thickness) DA=Dropped Dish Matte White Acrylic IMA48=Injection Molded Acrylic (.150" Thickness)</p>	<p>High Performance T8 Ballasts HB8_=T8 Electronic Instant Start.Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88</p>	<p>EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽¹⁾</p>
<p>Door Frame Standard=Flat White Steel Door (Leave Blank) FA=Flush White Extruded Aluminum c/w Spring Latch RA=Regressed White Extruded Aluminum (3/8") FAN=Flush Natural Anodized Extruded Aluminum RAN=Regressed Natural Anodized Extruded Aluminum (3/8") FAB=Flush Black Extruded Aluminum RAB=Regressed Black Extruded Aluminum (3/8")</p>	<p>Option - Aluminum Flange Trim⁽⁶⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row</p>	<p>HB8_L=T8 Electronic Instant Start.Total Harmonic Distortion < 10%. Low Ballast Factor .77 - .82</p>	
	<p>Voltage⁽²⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁽³⁾</p>	<p>HB8_N=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0</p>	
	<p>Options GL=Single Element Fuse GM=Double Element Fuse Flex=Flex Installed (Reference Flex ordering information) EL=Emergency Installed^{(5), (15)}</p>	<p>HB8_H=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20</p>	
	<p>Lamps Installed Blank=No Lamps Installed L8935=T8 Lamp, 28W and 32W, 3500K⁽⁴⁾ L8941=T8 Lamp, 28W and 32W, 4100K⁽⁴⁾ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p>	<p>HR8_T8=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88</p>	
		<p>HR8_DIM=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88</p>	
		<p>HR8_L=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 - .79</p>	
		<p>HR8_H=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20</p>	
		<p>0-10V Dimming Ballasts⁽¹⁰⁾ 5LTV8_=T8 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 0.87^{(13), (14)}</p>	
		<p>5LTVS8_=T8 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 0.87^{(11), (12)}</p>	
		<p>Fifth Light DALI Ballasts⁽⁸⁾ 5LT8_=T8 DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0</p>	
		<p>Number of Ballasts 1=1 Ballast 2=2 Ballasts 3=3 Ballasts</p>	

NOTES:

- ⁽¹⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture.
- ⁽²⁾ Products also available in non-US voltages and frequencies for international markets.
- ⁽³⁾ Not available when specifying emergencies, voltage must be specific.
- ⁽⁴⁾ When utilizing 28W T8 lamps, HPT8 Ballast must be specified. 32W lamps are 90 CRI only.
- ⁽⁵⁾ Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack.
- ⁽⁶⁾ Specify row configuration, type in catalog number when ordering complete fixture.
- ⁽⁷⁾ Louver is recessed by 5/16" in Concealed T or Slot Grid.
- ⁽⁸⁾ For a complete listing of Fifthlight Technology products and other solutions from Cooper Lighting Solutions, visit www.cooperlighting.com
- ⁽⁹⁾ Ballast Factor is 0.88 for 4 lamp 32WT8 fixtures.
- ⁽¹⁰⁾ 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system.
- ⁽¹¹⁾ Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible with low mercury and energy saving lamps.
- ⁽¹²⁾ Specification Grade 0-10V ballast not offered in 3 or 4-lamp versions.
- ⁽¹³⁾ Standard 0-10V ballast not available for 28WT8 lamps.
- ⁽¹⁴⁾ Voltage must be specified for Standard 0-10V 32W 3 and 4-lamp ballast. 4-lamp ballast versions must be 277V.
- ⁽¹⁵⁾ Please specify required voltage, 120V or 277V.

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

SHIPPING DATA

Catalog No.	Wt.
2GC-WO-232A	29 lbs.
2GC-WO-228T8A	29 lbs.
2GC-WO-428T8A	32 lbs.
2GC-WO-432A	32 lbs.