

DESCRIPTION

The GC Series features a 4-3/4" deep para-contoured fixture housing, high reflectivity 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.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

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. KOs 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.**

Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

Hinging/Latching

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

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

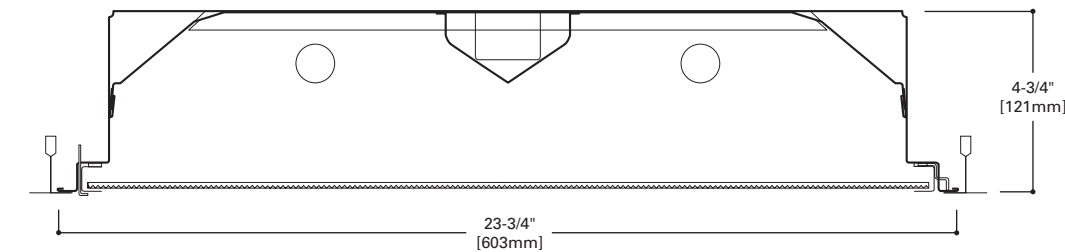
Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Lighting Solutions (www.cooperlighting.com) to maximize energy savings.



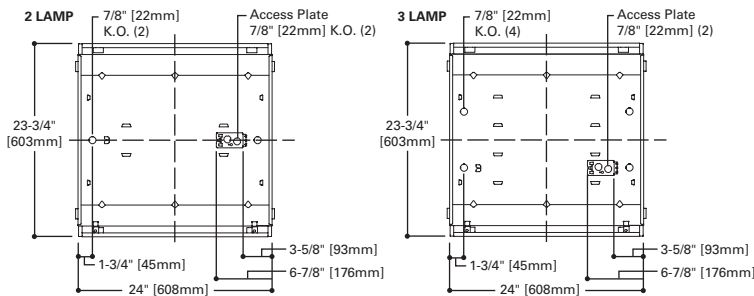
2GC
214T5
224T5
314T5
324T5
414T5
424T5

2' X 2' TROFFER
2, 3 OR 4 T5 LAMPS

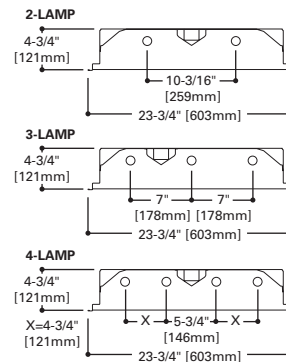
Specification Deep Troffer



MOUNTING DATA



LAMP CONFIGURATIONS

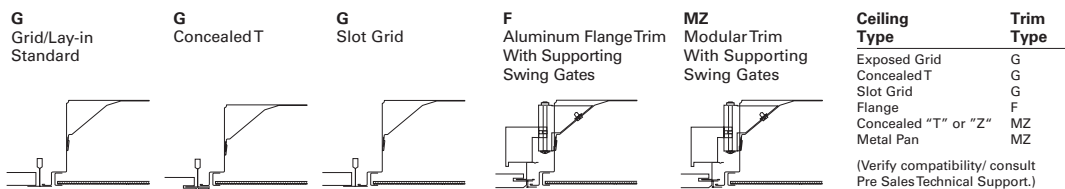


DOOR FRAMES

GC Flat, White Steel
 GCFA Flat, Extruded White Aluminum
 GCRA Deep, Regressed, Extruded White Aluminum



CEILING COMPATIBILITY



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
 214T5 (34), 224T5 (52), 314T5 (57),
 324T5 (80), 414T5 (62), 424T5 (104)

*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.

ORDERING INFORMATION

SAMPLE NUMBER: 2GC-214T5A-UNV-EBT1-U

<p>Rating Blank=Standard NY=New York City Rated ATW-SW4=Chicago Rated</p>	<p>Number of Lamps⁽⁶⁾ 2, 3 or 4 lamps</p>	<p>Voltage⁽²⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁽⁸⁾</p>	<p>Ballast Type EBT__=T5 or T5HO Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor=1.0</p> <p>Ballast/FactorType EBT_N=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90⁽⁷⁾</p> <p>EBT_H=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15⁽⁸⁾</p> <p>EBT_NDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, Normal Ballast Factor=.95-1.0⁽¹⁰⁾</p> <p>EBT_HDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, High Ballast Factor=1.15</p> <p>0-10V Dimming Ballasts⁽¹¹⁾ 5LTV5__=T5 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0^{(12),(15)}</p> <p>5LTVS5__=T5 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0^{(12),(14)}</p> <p>5LTV5H__=T5HO 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0^{(15),(17)}</p> <p>5LTVS5H__=T5HO 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0^{(12),(14),(16)}</p> <p>Fifth Light DALI Ballasts⁽⁹⁾ 5LT5__=T5 DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0</p> <p>5LT5H__=T5HO DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0</p>	<p>Options 20GA/REP=20 Gauge Housing w/Riveted End Plate PAF=Painted After Fabrication</p> <p>Packaging U=Unit Pack PAL=Palletized Uncartoned Fixtures PALC=Palletized Fixtures in Carton</p>
<p>Width 2=2' Width</p>	<p>Wattage 14T5=14WT5 (24") 24T5=24WT5HO (24")</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>Options GL=Single Element Fuse GM=Double Element Fuse Lamps=Lamps Installed (refer to lamp ordering options) Flex=Flex Installed (Reference Flex ordering information) EL=Emergency Installed^{(4),(18)}</p>	<p>ACCESSORIES EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽¹⁾</p>	
<p>Trim Type G=Grid/Lay-in (Standard)⁽¹⁾ G=Concealed T G=Slot Grid F=Aluminum Flange Trim⁽⁵⁾ MZ=Modular Trim EMZ=Modular Trim (Extended Swing Arm)</p>	<p>Option - Aluminum Flange Trim⁽⁵⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row</p>			
<p>Series C=Specification Deep Troffer</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>Number of Ballasts 1=1 Ballast 2=2 Ballasts⁽¹³⁾ 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 specification. ⁽⁴⁾Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. ⁽⁵⁾Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁶⁾Standard off-center ballast compartment on 3-lamp fixtures. ⁽⁷⁾.90 ballast factor available for 2 or 3 14W T5 or 28W T5 lamps only. ⁽⁸⁾ 1-Lamp ballast in a High Ballast factor not available. ⁽⁹⁾ For a complete listing of Fifthlight Technology products and other solutions from Cooper Lighting Solutions, visit www.cooperlighting.com. ⁽¹⁰⁾ 1-Lamp step dimming ballast in a Normal Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. ⁽¹¹⁾ 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. ⁽¹²⁾ Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible with low mercury and energy saving lamps. ⁽¹³⁾ LAO is necessary for 2 ballast 0-10V option. ⁽¹⁴⁾ Specification Grade 0-10V ballast not offered in 3 or 4-lamp versions. ⁽¹⁵⁾ Standard 0-10V ballast not offered in 3 or 4-lamp versions. ⁽¹⁶⁾ Specification Grade 0-10V ballast not available for 24W T5HO lamps. ⁽¹⁷⁾ Standard 0-10V ballast not available for 24W T5HO lamps. ⁽¹⁸⁾ 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-214T5	19 lbs.
2GC-224T5HO	19 lbs.
2GC-314T5	19 lbs.
2GC-414T5	19 lbs.