Metalux

DESCRIPTION

The GC Series features a 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
5-5/8" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Ballast/ wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lamp-holder 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.
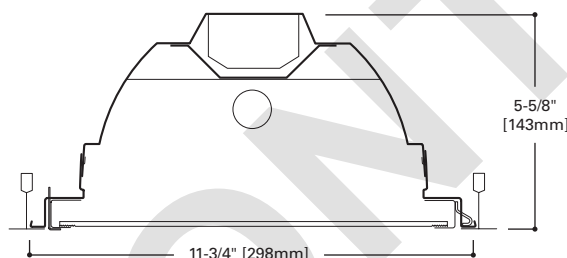
Hinging/Latching
Positive Cam latch with baked enamel finish. Safety-lock T-hinges allow hinging and latching either side.
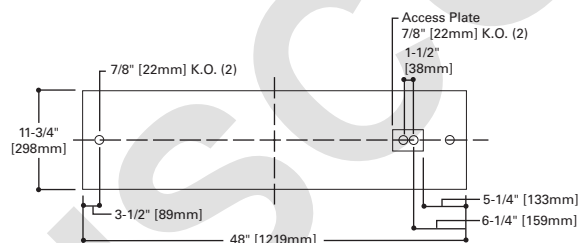
Frame/Shielding
Flat extruded aluminum door with reinforced mitered corners and baked white enamel finish. Quadrasealed to prevent light spillage. Light stabilized 100% virgin acrylic prismatic shielding. Standard #15 pattern. Optional shielding available.
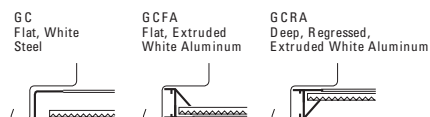
Controls
Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings.

GC
128T5
228T5
328T5
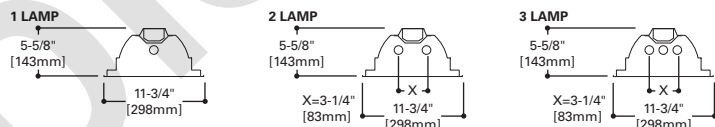### 154T5
254T5
354T5

1' X 4' TROFFER
1, 2 OR 3 T5 LAMPS

Specification Deep Troffer

powered by fifthlight technology

5-5/8" [143mm]

11-3/4" [298mm]

MOUNTING DATA

- Access Plate 7/8" [22mm] K.O. (2)
- 1-1/2" [38mm]
- 7/8" [22mm] K.O. (2)
- 11-3/4" [298mm]
- 3-1/2" [89mm]
- 5-1/4" [133mm]
- 6-1/4" [159mm]
- 48" [1219mm]

DOOR FRAMES

GC — Flat, White Steel

GCFA — Flat, Extruded White Aluminum

GCRA — Deep, Regressed, Extruded White Aluminum

LAMP CONFIGURATIONS

1 LAMP
5-5/8" [143mm]
11-3/4" [298mm]

2 LAMP
5-5/8" [143mm]
X=3-1/4" [83mm]
X
11-3/4" [298mm]

3 LAMP
5-5/8" [143mm]
X=3-1/4" [83mm]
X
11-3/4" [298mm]

CEILING COMPATIBILITY

G — Grid/Lay-in Standard

G — Concealed T

G — Slot Grid

F — Aluminum Flange Trim With Supporting Swing Gates

MZ — Modular Trim With Supporting Swing Gates

Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G
Flange	F
Concealed "T" or "Z"	MZ
Metal Pan	MZ

(Verify compatibility/ consult Pre Sales Technical Support.)

ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
128T5 (34), 228T5 (59), 328T5 (96), 154T5 (71), 254T5 (114), 354T5 (185)

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

LINEAR DISCONNECT
Designed to provide safe and convenient means of disconnecting power

SYSTEMS ISO CERTIFIED

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COOPER
Lighting Solutions

ORDERING INFORMATION

SAMPLE NUMBER: GC-128T5A-UNV-EBT1-U

Rating
Blank=Standard
NY=New York City Rated
ATW-SW4=Chicago Rated

Width
Blank=1' Width

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)

Series
C=Specification Deep Troffer

Doorframes
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")

Number of Lamps [2]
1, 2 or **3** lamps

Wattage
28T5=28W T5 (48")
54T5=54W T5HO (48")

Shielding
A=#12 Pattern Acrylic
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)

Option – Aluminum Flange Trim [5]
Blank=SW (Single White)
Type	Color
'S' Single	'N' Natural
'R' In Row	'W' White
'E' End of Row	

Voltage [3]
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277 [4]

Options
GL=Single Element Fuse
GM=Double Element Fuse
Flex=Flex Installed (Reference Flex ordering information)
EL=Emergency Installed [14]

Ballast Type
EBT__ =T5 or T5HO Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor=1.0
Ballast/Factor Type
EBT__N=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90 [6]
EBT__H=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15 [7]
EBT__NDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, Normal Ballast Factor=.95-1.0 [9]
EBT__HDIM=T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, High Ballast Factor=1.15

0-10V Dimming Ballasts [10]
5LTV5__=T5 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 [13]
5LTVS5__=T5 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 [11], [12]
5LTV5H__=T5HO 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 [13]
5LTVS5H__=T5HO 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 [11], [12]

Fifth Light DALI Ballasts [8]
5LT5__=T5 DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0
5LT5H__=T5HO DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0

Number of Ballasts
1=1 Ballast
2=2 Ballasts
3=3 Ballasts

Options
PAF=Painted After Fabrication
20GA/REP=20 Gauge Riveted Endplates. For use in New York City.

Packaging
U=Unit Pack
PAL=Job Pack, out of carton
PALC=Job Pack, in carton

ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips [1]

NOTES: [1] An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. [2] Standard off-center ballast compartment on 3-lamp fixtures. [3] Products also available in non-US voltages and frequencies for international markets. [4] Not available when specifying emergencies, voltage must be specific. [5] Specify row configuration, type in catalog number when ordering complete fixture. [6] 90 ballast factor available for 2 or 3 14W T5 or 28W T5 lamps only. [7] 1-Lamp ballast in a High Ballast factor not available. [8] For a complete listing of Fifthlight Technology products and other solutions from Cooper Controls, visit www.coopercontrol.com. [9] 1-Lamp step dimming ballast in a Normal Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. [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 offered in 3 or 4-lamp versions. [14] 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.
GC-128T5A	19 lbs.
GC-228T5A	19 lbs.
GC-328T5A	19 lbs.

COOPER Lighting Solutions

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