



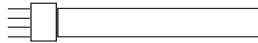
## SPECIFICATION SHEET : SHS11-UNV-H

This Is An Original Product From Fulham Co., Inc

**Description : Sun Horse electronic ballast developed for use with UV & tanning lamp applications**

**This Ballast Will Operate Following Lamps.**

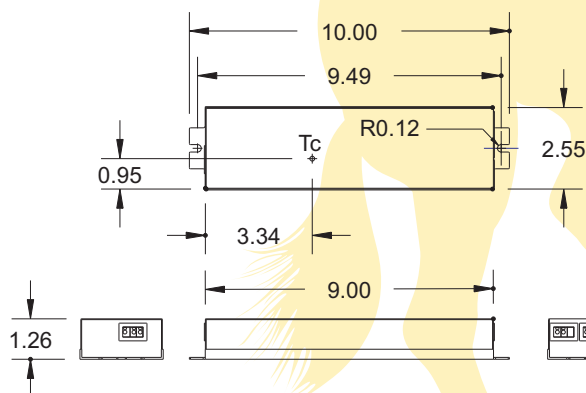
40-95W T5 800mA UV lamps  
GHO893T5L (95W), GHO846T5L (90W), GHO36T5L (87W),  
GHO436T5L (48W), GHO357T5L (40W)  
GHO64T5L (155W) T5 800mA UV lamps



### ELECTRICAL DATA (120V APPLICATION)

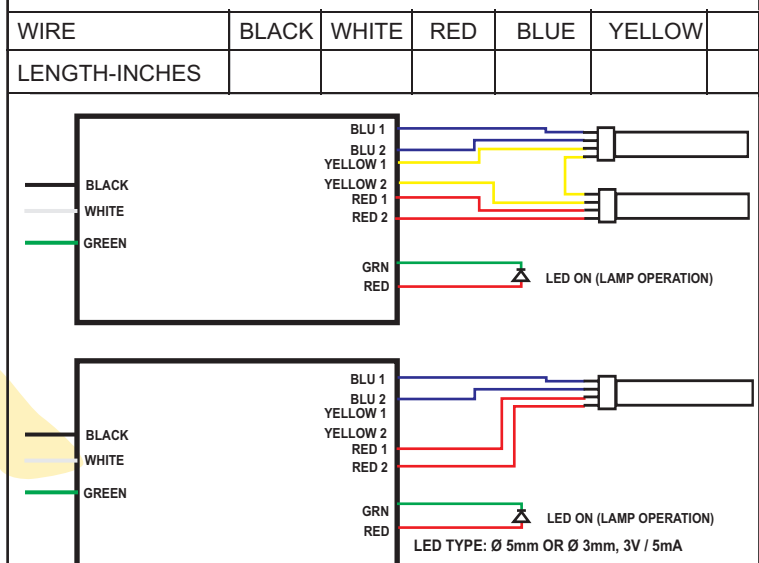
INPUT VOLT: 120V $\pm$ 10%, 50/60Hz						
LAMP WATTS/TYPE	GHO64T5L	GHO893T5L	GHO36T5L	GHO846T5L	GHO436T5L	GHO357T5L
LAMPS OPERATED	1					
INPUT WATTS	138.5	90.6	86.1	81.8	43.7	34.9
LINE CURRENT:	1.157	0.752	0.718	0.680	0.366	0.296
POWER FACTOR	0.999	0.997	0.997	0.996	0.989	0.981
BALLAST FACTOR	1.006	1.045	1.045	1.042	1.060	1.061
EFFICACY FACTOR	0.726	1.153	1.214	1.275	2.426	3.038
THD	5%	7%	7%	8%	12%	15%
CURRENT CREST FACTOR	<1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	"A"					
BALLAST TYPE	PROGRAMMED START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0°C ( 32°F )					
MAX. CASE TEMP	70°C ( 158°F )					
TYPE "CC", TYPE "HL"	APPROVED					
APPROVALS/CLASS	UL /cUL LISTED, CLASS "P", TYPE 1 OUTDOOR, CE					

### MECHANICAL DATA



Where : L = Length, W = Width, H = Height

### WIRING DIAGRAMS



NOTE : This Ballast Case Must Be Grounded

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### This Ballast Will Operate Following Lamps.

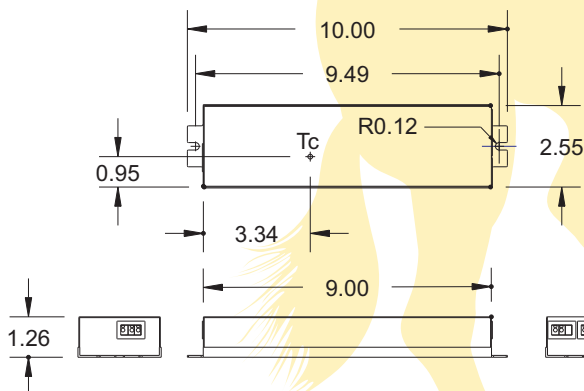
40-95W T5 800mA UV lamps  
GHO893T5L (95W), GHO846T5L (90W), GHO36T5L (87W),  
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GHO64T5L (155W) T5 800mA UV lamps



### ELECTRICAL DATA (120V APPLICATION)

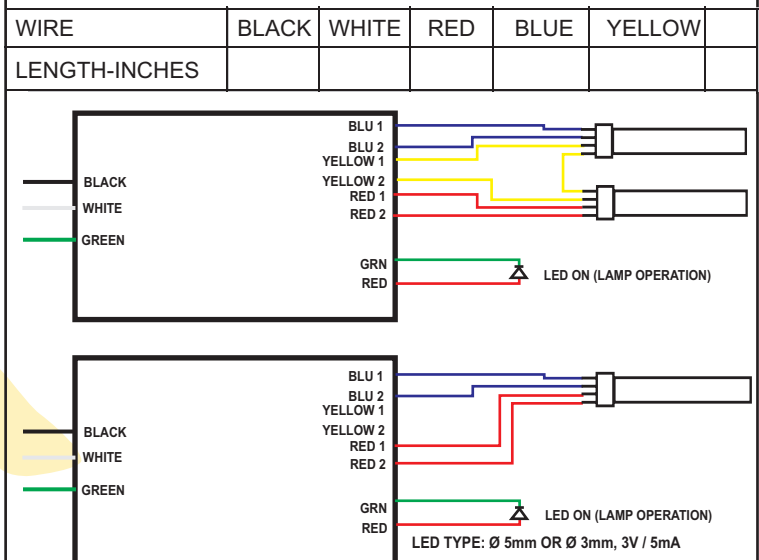
INPUT VOLT: 120V $\pm$ 10%, 50/60Hz						
LAMP WATTS/TYPE	GHO893T5L	GHO36T5L	GHO846T5L	GHO436T5L	GHO357T5L	-
LAMPS OPERATED	2					
INPUT WATTS	170.0	163.2	150.8	81.4	62.3	
LINE CURRENT:	1.420	1.369	1.254	0.679	0.523	
POWER FACTOR	0.999	0.999	0.999	0.996	0.994	
BALLAST FACTOR	0.928	0.954	0.950	1.018	1.020	
EFFICACY FACTOR	0.546	0.585	0.630	1.252	1.638	
THD	4%	4%	5%	8%	10%	
CURRENT CREST FACTOR	<1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	"A"					
BALLAST TYPE	PROGRAMMED START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0°C (32°F)					
MAX. CASE TEMP	70°C (158°F)					
TYPE "CC", TYPE "HL"	APPROVED					
APPROVALS/CLASS	UL /cUL LISTED, CLASS "P", TYPE 1 OUTDOOR, CE					

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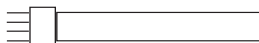
**This Ballast Will Operate Following Lamps.**

40-95W T5 800mA UV lamps

GHO893T5L (95W), GHO846T5L (90W), GHO36T5L (87W),

GHO436T5L (48W), GHO357T5L (40W)

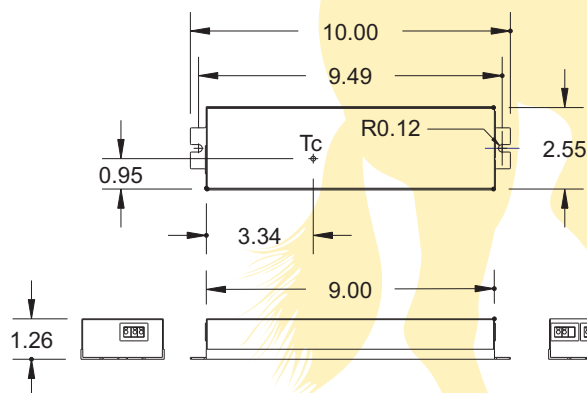
GHO64T5L (155W) T5 800mA UV lamps



### ELECTRICAL DATA (277V APPLICATION)

INPUT VOLT: 277V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	GHO64T5L	GHO893T5L	GHO36T5L	GHO846T5L	GHO436T5L	GHO357T5L
LAMPS OPERATED	1					
INPUT WATTS	136.9	91.2	86.7	82.7	45.8	37.2
LINE CURRENT:	0.506	0.348	0.333	0.319	0.201	0.174
POWER FACTOR	0.974	0.941	0.937	0.933	0.823	0.767
BALLAST FACTOR	1.004	1.044	1.045	1.041	1.060	1.062
EFFICACY FACTOR	0.734	1.144	1.206	1.258	2.311	2.860
THD	11%	17%	17%	18%	28%	35%
CURRENT CREST FACTOR	<1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	" A "					
BALLAST TYPE	PROGRAMMED START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0°C ( 32°F )					
MAX. CASE TEMP	70°C ( 158°F )					
TYPE "CC", TYPE "HL"	APPROVED					
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", TYPE 1 OUTDOOR, CE					

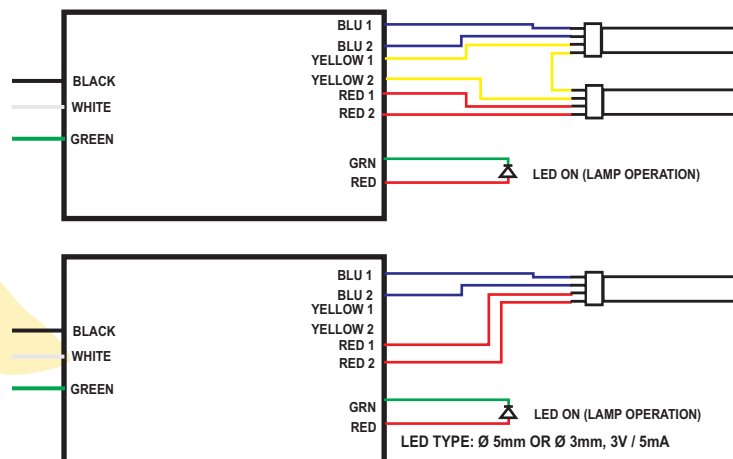
## MECHANICAL DATA



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## WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	
LENGTH-INCHES						



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2014-102-2 rev. 1



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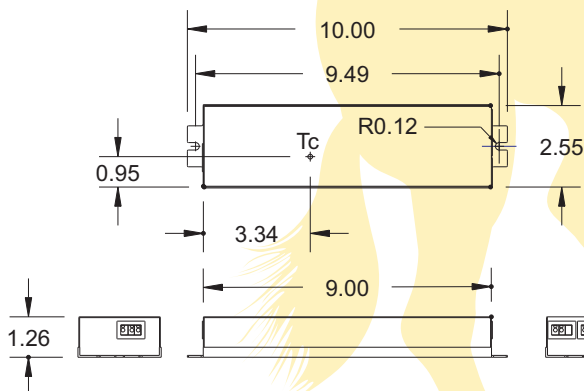


### ELECTRICAL DATA (277V APPLICATION)

INPUT VOLT: 277V  $\pm$  10%, 50/60Hz

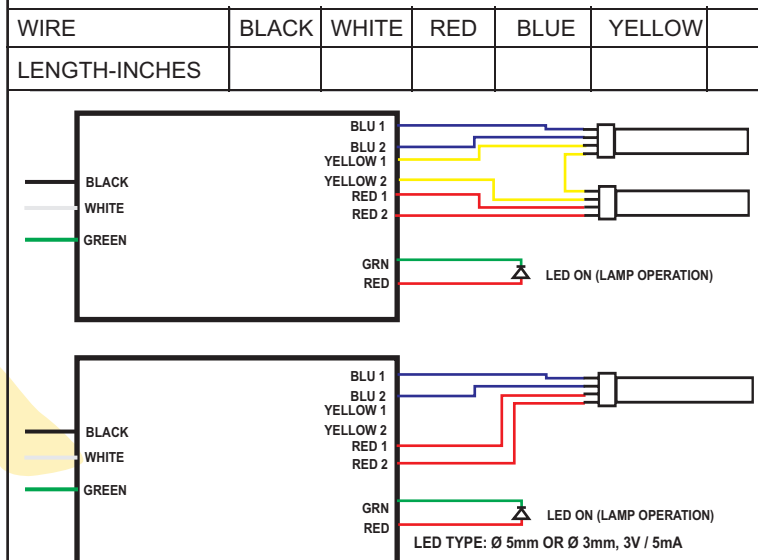
LAMP WATTS/TYPE	GHO893T5L	GHO36T5L	GHO846T5L	GHO436T5L	GHO357T5L	-
LAMPS OPERATED	2					
INPUT WATTS	166.9	160.8	149.4	82.2	63.6	
LINE CURRENT:	0.611	0.592	0.551	0.318	0.255	
POWER FACTOR	0.982	0.981	0.978	0.932	0.90	
BALLAST FACTOR	0.929	0.954	0.950	1.018	1.020	
EFFICACY FACTOR	0.556	0.593	0.636	1.238	1.602	
THD	9%	10%	11%	19%	22%	
CURRENT CREST FACTOR	<1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	"A"					
BALLAST TYPE	PROGRAMMED START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0°C ( 32°F )					
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APPROVALS/CLASS	UL /cUL LISTED, CLASS "P", TYPE 1 OUTDOOR, CE					

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