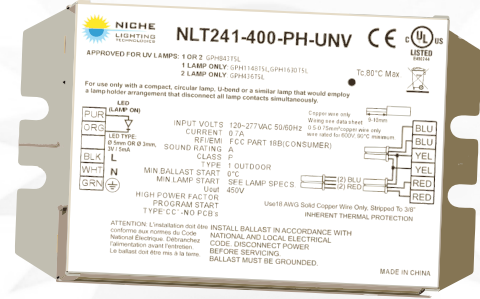


**Description : NLT241-400-PH-UNV electronic ballast developed for use with UV lamp applications**

**APPROVED FOR UV LAMPS  
1 OR 2 (41W) -T5, GPH843T5L  
1 LAMP ONLY:60~80W-T5,  
GPH1148T5L;GPH1630T5L  
2 LAMP ONLY:21W-T5,  
GPH436T5L**



**ELECTRICAL DATA (120V APPLICATION)**

INPUT VOLT: 120V ± 10%, 50/60Hz					
LAMP WATTS/TYPE		GPH843T5L	GPH1148T5L	GPH1630T5L	
LAMP CURRENT		400mA	400mA	400mA	
LAMPS OPERATED		1			
INPUT WATTS		44.58	63.69	82.80	
LINE CURRENT:		0.373	0.532	0.692	
POWER FACTOR		0.993	0.996	0.997	
BALLAST FACTOR		0.990	0.920	0.943	
THD		< 15%			
CURRENT CREST FACTOR		< 1.7			
EMI/RFI COMPLIANCE		FCC PART 18-B (Consumer)			
SOUND RATING		" A "			
BALLAST TYPE		PROGRAM START			
VOLTAGE TRANSIENTS		ANSI 62.41			
INPUT/PROTECTION		FUSE			
OUTPUT/PROTECTION		EOL			
MIN. OPERATING TEMP		0 °C ( 32 °F )			
MAX. CASE TEMP		80 °C ( 176 °F )			
APPROVALS/CLASS		UL /cUL LISTED, CLASS " P ", Type 1 OUTDOOR, Type CC.			



**ELECTRICAL DATA (120V APPLICATION)**

INPUT VOLT: 120V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	GPH436T5L	GPH843T5L				
LAMP CURRENT	400mA	400mA				
LAMPS OPERATED	2					
INPUT WATTS	45.43	87.15				
LINE CURRENT:	0.380	0.728				
POWER FACTOR	0.993	0.997				
BALLAST FACTOR	0.942	0.970				
THD	< 15%					
CURRENT CREST FACTOR	< 1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	" A "					
BALLAST TYPE	PROGRAM START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0 <sup>0</sup> C ( 32 <sup>0</sup> F )					
MAX. CASE TEMP	80 <sup>0</sup> C ( 176 <sup>0</sup> F )					
NOT HPF @ 230V : 1 x 35WT5/850mA						
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", Type 1 OUTDOOR, Type CC.					



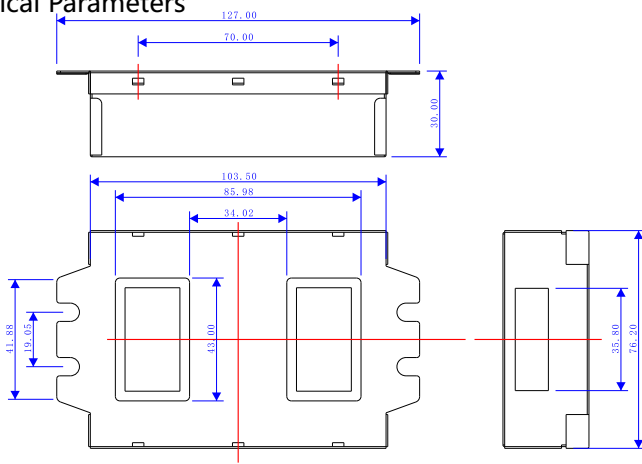
**ELECTRICAL DATA (277V APPLICATION)**

INPUT VOLT: 277V ± 10%, 50/60Hz						
LAMP WATTS/TYPE		GPH843T5L	GPH1148T5L	GPH1630T5L		
LAMP CURRENT		400mA	400mA	400mA		
LAMPS OPERATED	1					
INPUT WATTS		44.00	62.51	84.87		
LINE CURRENT:		0.181	0.242	0.319		
POWER FACTOR		0.873	0.929	0.958		
BALLAST FACTOR		1.025	0.936	0.940		
THD	< 15%					
CURRENT CREST FACTOR	< 1.7					
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)					
SOUND RATING	" A "					
BALLAST TYPE	PROGRAM START					
VOLTAGE TRANSIENTS	ANSI 62.41					
INPUT/PROTECTION	FUUSE					
OUTPUT/PROTECTION	EOL					
MIN. OPERATING TEMP	0 °C ( 32 °F )					
MAX. CASE TEMP	80 °C ( 176 °F )					
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", Type 1 OUTDOOR, Type CC.					

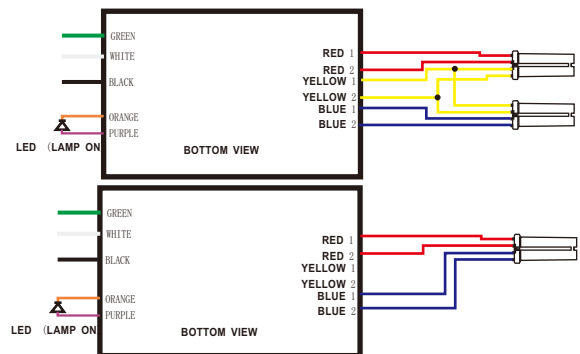
**ELECTRICAL DATA (277V APPLICATION)**

INPUT VOLT: 277V ± 10%, 50/60Hz					
LAMP WATTS/TYPE	GPH436T5L	GPH843T5L			
LAMP CURRENT	400mA	400mA			
LAMPS OPERATED	2				
INPUT WATTS	45.50	86.16			
LINE CURRENT:	0.186	0.323			
POWER FACTOR	0.880	0.960			
BALLAST FACTOR	0.941	0.969			
THD	< 15%				
CURRENT CREST FACTOR	< 1.7				
EMI/RFI COMPLIANCE	FCC PART 18-B (Consumer)				
SOUND RATING	" A "				
BALLAST TYPE	PROGRAM START				
VOLTAGE TRANSIENTS	ANSI 62.41				
INPUT/PROTECTION	FUSE				
OUTPUT/PROTECTION	EOL				
MIN. OPERATING TEMP	0 <sup>0</sup> C ( 32 <sup>0</sup> F)				
MAX. CASE TEMP	80 <sup>0</sup> C ( 176 <sup>0</sup> F)				
NOT HPF @ 230V : 1 x 35WT5/850mA					
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", Type 1 OUTDOOR, Type CC.				

**Physical Parameters**



**Wiring Diagram:**



LED TYPE: Ø 5mm OR Ø 3mm, 3V / 5mA  
Use Wire Rated 600V, 90°C min. Use 18 AWG Solid Copper Wire Only Stripped 3/8"  
NOTE : This Ballast Case Must Be Grounded