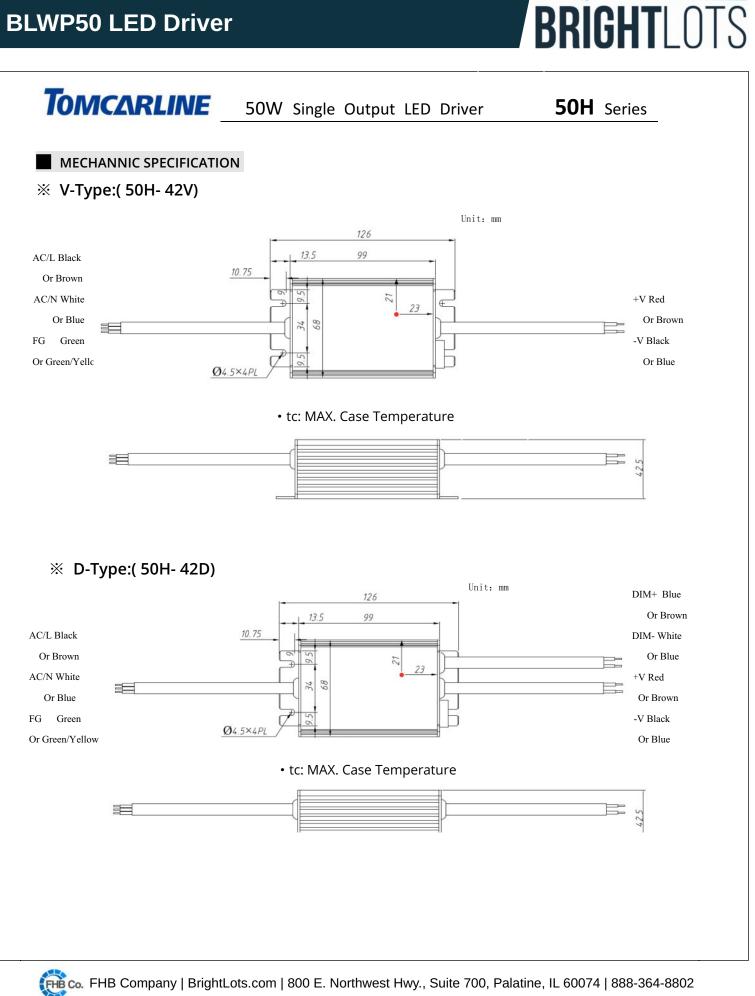
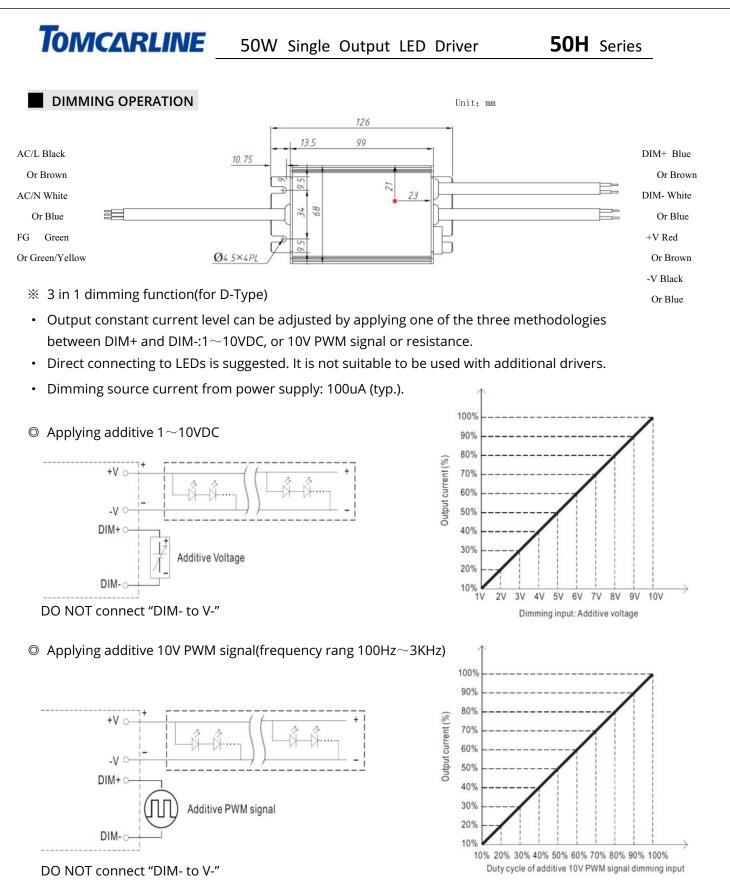
ACARLINE	50W Single	Output LED	Driver	50H Series
Tearcenter and the second	100-50-400 100-50-50 100-50-50 100	 Univ Built Prot Cool Built 10V Met insta Suita LED Ultra 	ing by free air convecti -in 3 in 1 dimming func PWM signal or resistan al case, IP65 design for illations able for outdoor LED str and moving sign applic a-long life	ver current/Over voltage on tion (1~10VDC or ce) indoor or outdoor reet lighting, outdoor ations
8 🗗 🖓 🖤	SELV IP65	🕲 c 🕄 us	FCCEC	B 💩 RoHS
50H-42 V: IP65Level,I	lo adjustable through p	otentiometer		
D: IP65Level,S	3 in 1 dimming function	n (1 \sim 10VDC,10V PV	VM signal and resistand	e), lo adjustable
through pote	entiometer			
SPECIFCATION				
Parameter Name	Min.	Тур.	Max.	Unit
Input Voltage	100	230	277	Vac
Input Current		0.4	0.8	А
Power Factor	0.95	0.98	0.99	PF
THD	5	10	18	%
Frequency Rang	47	50\60	63	Hz
Output no-load Voltage	43	45	47	Vdc
Output Serving Voltage	36	42	43	Vdc
Output Current	-3%	1.2	+3%	Adc
Overshoot			10	%
No Load Power		0.5	2	W
Efficiency	88	90		% (230VA)
Over Current Protection			110	%
Short Circuit Protection	Constant Current limiting, recovers automatically after fault condition is removed			
Inrush Current(Max.)	Cold Start 50A(twidth=280us measured at 50% lpeak)at 230Vac			
MAX. No. of PSUs on 16A Circuit Breaker	9 units (circuit breaker of type B)/16 units (circuit breaker of type C) at 230VAC			
WORKING ENVIRONMENT				
ltem	Min.	Тур.	Max.	Unit
Working Temp.	-40 \sim +70 $^{\circ}$ C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)			
IP Rating	IP65			
MAX. Working Humidity	20~95%RH non-condensing			
Cooling Method	Cooling by free air convection, External LED Driver can improve the lifespan.			
Storage Temp. , Humidity	-40∼+80°C,10∼95%RH			
	70		106	Кра
Working Atmosphere			•	·1
SAFETY				
	Min.	Тур.	Max.	Unit
SAFETY	Min. 3750	Тур.	Max.	Unit V(AC)
SAFETY				
SAFETY Item I/P-O/P	3750			V(AC)
SAFETY Item I/P-O/P I/P-FG O/P-FG	3750 2000			V(AC) V(AC)
SAFETY Item I/P-O/P I/P-FG O/P-FG Surge: L-N	3750 2000 500			V(AC) V(AC) V(DC)
SAFETY Item I/P-O/P I/P-FG O/P-FG	3750 2000 500 2000			V(AC) V(AC) V(DC) V

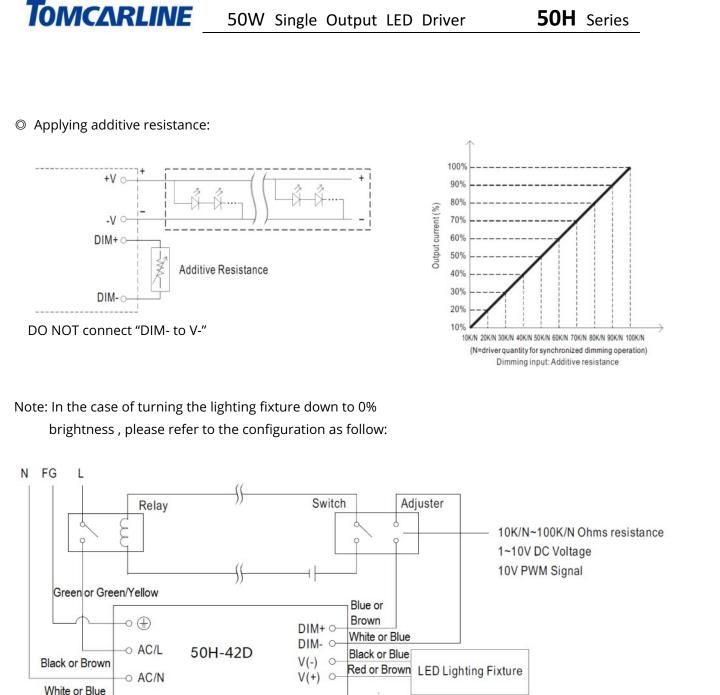
BRIGHTLOTS



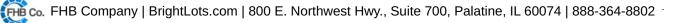
Brightlots



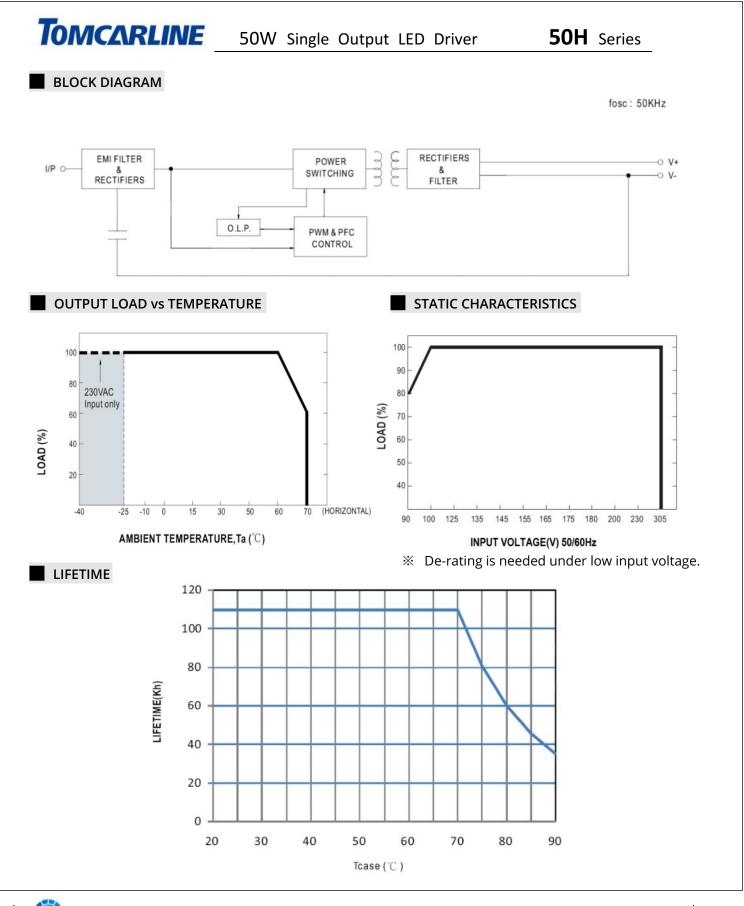
BLWP50 LED Driver BRIGHTLOTS

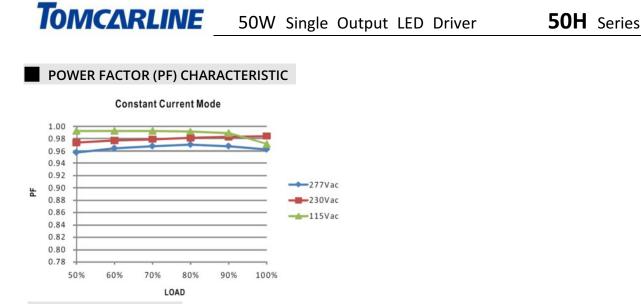


% Using a switch and relay can turn ON/OFF the lighting fixture.





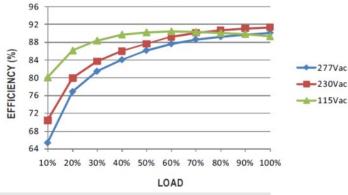




BRIGHTLOTS

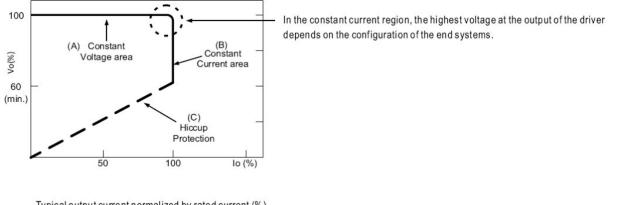
EFFICIENCY vs LOAD

50H series possess superior working efficiency that up to 90% Can be reached in field applications.



DRIVING METHODS OF LED MODULE

* This series is able to work in either Constant Current mode(a direct drive way) or Constant Voltage mode (usually through additional DC/DC drive) to drive the LEDs.



Typical output current normalized by rated current (%)

