

Наличие и актуальные цены на

**XLC-40-12-S** 

https://www.mean-well.ru/store/XLC-40-12-S/









IS 15885

8 NOTE.14









(Built-in type)





# Features

DALI

- Constant power mode output with multiple stage selectable by dip switch or NFC setting (H-type)
- Constant voltage mode output (12V/24V)
- · Plastic housing with class II and PFC design
- · Meet UL 8750 Class 2 / Class P power unit
- · Flicker free, complying with CE ErP directive
- Standby power consumption <0.5W</li>
- Meet emergency lighting (EL) function application
- Minimum dimming level 0.1% (DALI-2 DT6)
- Dimming functions: 3 in 1 dimming (Dim-to-off) DALI-2 + Push dimming
- 5 years warranty

# Applications

- Recessed Light
- · Down Light
- Panel Light
- Commercial Lighting
- Decorative Lighting
- LED strip lighting
- DALI digital Lighting

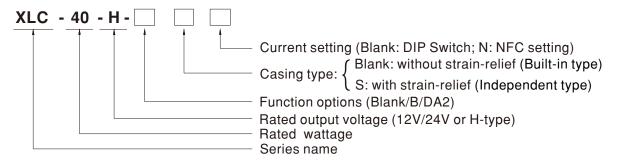
# **GTIN CODE**

MW Search: https://www.meanwell.com/serviceGTIN.aspx

# Description

XLC-40 Series is a 40W with constant power and constant voltage output LED driver. It can operate from 100~305VAC and output current ranging between 600 mA to 1400 mA selectable by dip switch or NFC setting. Thanks to high efficiency up to 88%, it is able to operate for -25 ℃ ~90 ℃ case temperature under free air convection. XLC-40 is designed based on latest safety regulations with 3 in 1 and DALI-2 dimming. XLC-40 can also be adjusted for brightness with a push button as a simple way dimming, so it provides more flexibility for LED Lighting application.

# Model Encoding



Type	Function	Note
Blank	H type output current selectable by DIP-switch or NFC setting	
DIAIIK	12, 24V Constant voltage output	
В	H type output current selectable by DIP-switch or NFC with 3 in 1 dimming	In stock
DA2	H type output current selectable by DIP-switch or NFC with DALI-2 dimming	

Note: 1. 12V/24V without dimming function.

2. NFC current setting is available for XLC-40-H type only.

#### **SPECIFICATION**

		XLC-40-12-	XLC-40-24-		
	RATED VOLTAGE	12V	24V		
	RATED CURRENT	3.4A	1.7A		
	RATED POWER Note.2	40.8W	40.8W		
	RIPPLE & NOISE (max.) Note.3	120mVp-p	240mVp-p		
	VOLTAGE TOLERANCE Note.4	±4.0%			
	LINE REGULATION	±0.5%			
	LOAD REGULATION	±2%			
	SETUP, RISE TIME Note.5	500ms, 100ms/230VAC, 1000ms, 100ms/	115VAC		
<b>VOLTAGE RANGE</b>		100 ~ 305VAC 141 ~ 400VDC			
INPUT	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC@full load  Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
	TOTAL HARMONIC DISTORTION	THD<10%(@load≧50%/230VAC; @load≧75%/277VAC), THD<15%(@load≧50%/115VAC) Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)			
• .	EFFICIENCY (Typ.)	86%	88%		
	AC CURRENT	0.5A / 115VAC 0.25A / 230VAC 0.2A	/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100μs measure	d at 50% Ipeak) at 230VAC; Per NEMA 410		
	MAX. No. of PSUs on 16A	51 units (circuit breaker of type B) / 51 unit	s (circuit breaker of type C) at 230VAC		
	CIRCUIT BREAKER	, ,	Constitution of type of at 200 PAC		
	LEAKAGE CURRENT	<0.75mA / 277VAC			
	OVER LOAD	105 ~ 220% rated output power			
		Protection type:Hiccup mode , recovers au			
OTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after 13 ~ 16V			
	OVER VOLTAGE		26 ~ 32V		
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-pov Shut down output voltage, recovers autom			
	WORKING TEMP. MAX. CASE TEMP.	Tcase=-25 ~ 90°C (Please refer to " OUTP Tcase=90°C	OT LOAD VS TEMPERATURE SECTION)		
		20 ~ 90% RH non-condensing			
VIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations(DC input 176-280VDC); BS EN/EN62384, BIS IS15885(Part2/Sec13)(NOTE 14), GB/T19510.1, GB/T19510.213, EAC TP TC 004,UL8750(Class P); CSA C22.2 No. 250.13-12 approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC			
	WITHSTAND VOLTAGE				
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 7	0% RH		
		I/P-O/P:>100M Ohms / 500VDC / 25°C / 7  Parameter	0% RH Standard	Test Level/Note	
				Test Level/Note	
	ISOLATION RESISTANCE	Parameter	Standard		
		Parameter Conducted Radiated	Standard   BS EN/EN55015(CISPR15) ,GB/T 17743   BS EN/EN55015(CISPR15) ,GB/T 17743		
AFETY &	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current	Standard		
	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker	Standard   BS EN/EN55015(CISPR15) ,GB/T 17743   BS EN/EN55015(CISPR15) ,GB/T 17743	 Class C @load≥50%	
	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3	 Class C @load≥50%	
	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	Standard	 Class C @load≥50% 	
	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	Standard     BS EN/EN55015(CISPR15) ,GB/T 17743     BS EN/EN55015(CISPR15) ,GB/T 17743     BS EN/EN61000-3-2 , GB17625.1     BS EN/EN61000-3-3     Standard     BS EN/EN61000-4-2	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard     BS EN/EN55015(CISPR15) ,GB/T 17743     BS EN/EN55015(CISPR15) ,GB/T 17743     BS EN/EN61000-3-2 , GB17625.1     BS EN/EN61000-3-3     Standard     BS EN/EN61000-4-2     BS EN/EN61000-4-3	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2	
AFETY &	ISOLATION RESISTANCE EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2	
	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	Standard  BS EN/EN55015(CISPR15) ,GB/T 17743  BS EN/EN55015(CISPR15) ,GB/T 17743  BS EN/EN61000-3-2 , GB17625.1  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-6  BS EN/EN61000-4-8	Class C @load≥50%   Test Level/Note  Level 3, 8KV air ; Level 2, 4KV contact  Level 2  Level 2  Level 3, 1KV/Line-Line  Level 2  Level 2  Cover 12  Level 2  Level 2  Level 2  Level 2  Level 2  Level 2  Level 2	
MC	EMC EMISSION  EMC IMMUNITY	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods	
	EMC EMISSION  EMC IMMUNITY  FLICKER Note.6	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM  1, SVM  0.4	Standard	Class C @load≥50%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods	

- 2. De-rating may be need under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.
  3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
  4. Tolerance: includes set up tolerance, line regulation and load regulation.

- Tolerance: includes set up tolerance, line regulation and load regulation.
   Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.
   Flicker is measured at full load with the light source provided by MEAN WELL.
   To fulfill requirement of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.
   The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

   (as available on https://www.meanwell.com//Upload/PD/FEMI\_statement\_en.pdf)

   The ambient temperature de-rating of 3.5 °C/1000m with fanless models and 5 °C/1000m with fan models for operating altitude higher than 2000m(6500ft).
   This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (©) point (or TMP, per DLC), is about 75 °C or less.
   For XLC-S series: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations.
   For XLC(except -S) series: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1.
   Products sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information.
   For more information, please contact with MEAN WELL sales.

- 14. Products sourced from the China regions and some models sourced from India may not have the BIS logo, please refer to BIS certificate for details and contact your MEAN WELL sales for more information.

  \*\*Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

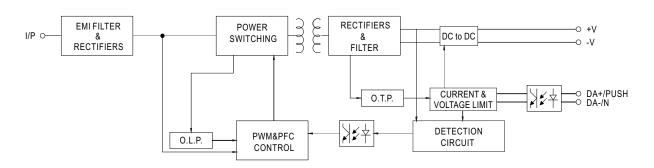


### **SPECIFICATION**

	XLC-40-H-					
OPEN CIRCUIT	60V					
(BY DIP SWITCH OR NFC)	0.6~1.4A	U.6~1.4A				
CONSTANT CURRENT	9~54V					
CURRENT TOLERANCE ±5%						
	0~100%					
	500ms, 100ms/230VAC, 1000ms, 100ms/115VAC					
VOLTAGE RANGE	100 ~ 305VAC 141 ~ 400VDC					
FREQUENCY RANGE						
POWER FACTOR						
THD<10%(@load>50%/230VAC: @load>75%/277VAC) THD<15%(@load>50%/115VAC)			115VAC)			
TOTAL HARMONIC DISTORTION			novno,			
( )1 /						
AC CURRENT						
INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100μs mea	sured at 50% Ipeak) at 230VAC; Per NEMA 410				
MAX. No. of PSUs on 16A	51 units (circuit breaker of type B) / 51	units (circuit breaker of type C) at 230VAC				
	<0.75m \ / 277\/\\C					
CONSUMPTION Note.8	Standby power consumption<0.5W(D	imming off)				
SHORT CIRCUIT	Hiccup mode, recovers automatically	after fault condition is removed				
OVER TEMPERATURE						
			s automatically after fault condition is removed.			
	- (	DUIPUI LUAD VS TEMPERATURE" Section)				
	-					
	-40 ~ +80°C, 10 ~ 95% RH					
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
VIBRATION		• • • • • • • • • • • • • • • • • • • •				
SAFETY STANDARDS	BS EN/EN62384, BIS IS15885(Part	ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations (DC input 176-280VDC); BS EN/EN62384, BIS IS15885(Part2/Sec13)(NOTE 14), GB/T19510.1, GB/T19510.213, EAC TP TC 004, UL8750(Class P); CSA C32 3 No. 350 13 13 approved: Design refer to AS/NZS 61347 1, AS/NZS 61347 2, 13				
DALISTANDARDS						
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC					
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25	℃/70% RH				
	Parameter	Standard	Test Level/Note			
EMC EMISSION		1,				
		-	Class C @load≥50%			
		BS EN/EN61000-3-3				
		Standard	Test Level/Note			
		BS EN/EN61000-4-2				
		D3 LIV/LIV0 1000-4-2				
	Radiated	BS FN/FN61000-4-3	Level 3, 8KV air ; Level 2, 4KV contact			
EMC IMMUNITY	Radiated FFT/Burst	BS EN/EN61000-4-3 BS EN/EN61000-4-4	Level 2			
EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-4	Level 2 Level 2			
EMC IMMUNITY		BS EN/EN61000-4-4 BS EN/EN61000-4-5	Level 2			
EMC IMMUNITY	EFT/Burst Surge	BS EN/EN61000-4-4	Level 2 Level 2 Level 3, 1KV/Line-Line			
EMC IMMUNITY	EFT/Burst Surge Conducted Magnetic Field	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2			
	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Level 2 Level 3, 1KV/Line-Line Level 2 Level 2			
FLICKER Note.9	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods			
FLICKER Note.9 MTBF	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods			
FLICKER Note.9 MTBF DIMENSION	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*F	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods  7F (25°C)			
FLICKER Note.9 MTBF DIMENSION PACKING	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions  PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*H 193g; 60pcs/12.58Kg/0.58CUFT(for b)	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 d) plank type); 210g; 50pcs/11.5Kg/0.57CUFT(for S-ty	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods  7F (25°C)			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT speciall 2. Output hiccups under no-loa	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*H 193g; 60pcs/12.58Kg/0.58CUFT (for by mentioned are measured at 230VAC at condition.	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods  7F (25°C)			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT special 2. Output hiccups under no-loa 3. Please refer to "DRIVER Mi	EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*F) 193g; 60pcs/12.58Kg/0.58CUFT (for by mentioned are measured at 230VAC ad condition.  ETHODS OF LED MODULE".	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 d) lank type); 210g; 50pcs/11.5Kg/0.57CUFT (for S-ty input, rated current and 25°C of ambient temperate	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods  7F (25°C)			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT speciall 2. Output hiccups under no-loa 3. Please refer to "DRIVER MI 4. De-rating may be need und 5. Length of set up time is mes	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*Heys) (E. Warden)	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 4) blank type); 210g; 50pcs/11.5Kg/0.57CUFT(for S-ty-input, rated current and 25°C of ambient temperate static CHARACTERISTIC" sections for details. FF the driver may lead to increase of the set up time.	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods 7F (25°C)  De)  De)  Level 2 Town residual voltage for 0.5 periods			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT speciall 2. Output hiccups under no-loa 3. Please refer to "DRIVER MI 4. De-rating may be need und 5. Length of set up time is mea 6. Based on IEC 62386-101/11	EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  PstLM   1, SVM   0.4  3935.2 K hrs min. Telcordia SR-33  147*40*32mm,107*40*32mm (L*W*F)  193g; 60pcs/12.58Kg/0.58CUFT (for by mentioned are measured at 230VAC ad condition.  ETHODS OF LED MODULE".  er low input voltages. Please refer to "Saured at first cold start. Turning ON/O12 DALI power on timing and interruption.	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 b) Dlank type); 210g; 50pcs/11.5Kg/0.57CUFT (for S-ty input, rated current and 25°C of ambient temperature of the set up time on regulations, the set up time on regulations, the set up time needs to test with a	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods 7F (25°C)  De)  De)  Level 2 Town residual voltage for 10 period, 0% residual voltage for 0.5 periods			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT speciall 2. Output hiccups under no-loa 3. Please refer to "DRIVER MI 4. De-rating may be need und 5. Length of set up time is mea 6. Based on IEC 62386-101/11 power on function, otherwise 7. Efficiency is measured at 80	EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*Hey3g; 60pcs/12.58Kg/0.58CUFT(for to the standard of the standard	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 d) plank type); 210g; 50pcs/11.5Kg/0.57CUFT(for S-ty input, rated current and 25°C of ambient temperate and 25°C	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods 7F (25°C)  De)  De)  Level 2 Town residual voltage for 10 period, 0% residual voltage for 0.5 periods			
FLICKER Note.9 MTBF DIMENSION PACKING  1. All parameters NOT speciall 2. Output hiccups under no-loa 3. Please refer to "DRIVER MI 4. De-rating may be need und 5. Length of set up time is mea 6. Based on IEC 62386-101/10 power on function, otherwise 7. Efficiency is measured at 80 8. Standby power consumption	EFT/Burst Surge Conducted Magnetic Field  Voltage Dips and Interruptions  PstLM ≤ 1, SVM ≤ 0.4 3935.2 K hrs min. Telcordia SR-33 147*40*32mm,107*40*32mm (L*W*F) 193g; 60pcs/12.58Kg/0.58CUFT(for by mentioned are measured at 230VAC at condition. ETHODS OF LED MODULE". ETHODS OF LED MODULE". ETHODS OF LED MODULE or low input voltages. Please refer to "5 savured at first cold start. Turning ON/OD 2D ALI power on timing and interruptice the startup time will be higher than 0.00mA/50V output set by dip-switch or Nois measured at 230VAC.	BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11  2 (Bellcore); 342.9 Khrs min. MIL-HDBK-21 d) blank type); 210g; 50pcs/11.5Kg/0.57CUFT(for S-ty input, rated current and 25°C of ambient temperate STATIC CHARACTERISTIC" sections for details. FF the driver may lead to increase of the set up time on regulations, the set up time needs to test with a 5 second. IFC.	Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods 7F (25°C)  De)  De)  Level 2 Town residual voltage for 10 period, 0% residual voltage for 0.5 periods			
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	VOLTAGE Note.2 DEFAULT CURRENT CURRENT ADJ.RANGE (BY DIP SWITCH OR NFC) CONSTANT CURRENT REGION Note.3 RATED POWER Note.4 CURRENT RIPPLE CURRENT TOLERANCE DIMMING RANGE SETUP, RISE TIME NOTE.5,6 VOLTAGE RANGE FREQUENCY RANGE POWER FACTOR  TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) NOTE.7 AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT STANDBY POWER CONSUMPTION NOTE.8 SHORT CIRCUIT OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS DALI STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	VOLTAGE DEFAULT CURRENT CURRENT ADJ.RANGE (BY DIP SWITCH OR NFC) CONSTANT CURRENT REGION Note.3 RATED POWER Note.4 40W CURRENT RIPPLE CURRENT TOLERANCE DIMMING RANGE SETUP, RISE TIME Note.5,6 500ms, 100ms/230VAC, 1000ms, 10 VOLTAGE RANGE FREQUENCY RANGE POWER FACTOR TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) Note.7 AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT STANDBY POWER CONSUMPTION SHORT CIRCUIT  WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY STORAGE TEMP., HUMIDITY STORAGE TEMP., HUMIDITY SAFETY STANDARDS DAY WITHSTAND VOLTAGE INPO-O/P:3.75KVAC  IVP-O/P:3.75KVAC IVP-O/P:3.75KVAC IVP-O/P:3.75KVAC IVP-O/P:3.75KVAC IVP-O/P:>100 Model  IVP-O/P:>100 Model  IVP-O/P:100 Model  I	DOUGH   DOU			



## ■ BLOCK DIAGRAM

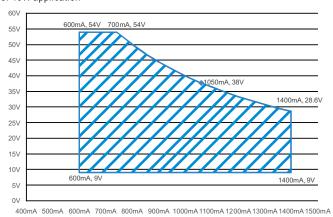


# ■ DRIVING METHODS OF LED MODULE

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#### For 40W application



## ■ CONSTANT POWER TABLE

 $XLC-40-H\ is\ a\ multiple-stage\ constant\ power\ driver,\ selection\ of\ output\ current\ through\ DIP\ switch\ or\ NFC\ setting\ is\ exhibited\ below.$ 

Vo	lo DIP S.W	1	2	3
9~54V	600mA			
9~54V	700mA			ON
9~50V	800mA		ON	
9~45V	900mA		ON	ON
9~38V	1050mA(default)	ON		
9~33V	1200mA	ON		ON
9~31V	1300mA	ON	ON	
9~29V	1400mA	ON	ON	ON

Note: The operating voltage range which show on this table is recommend to use.



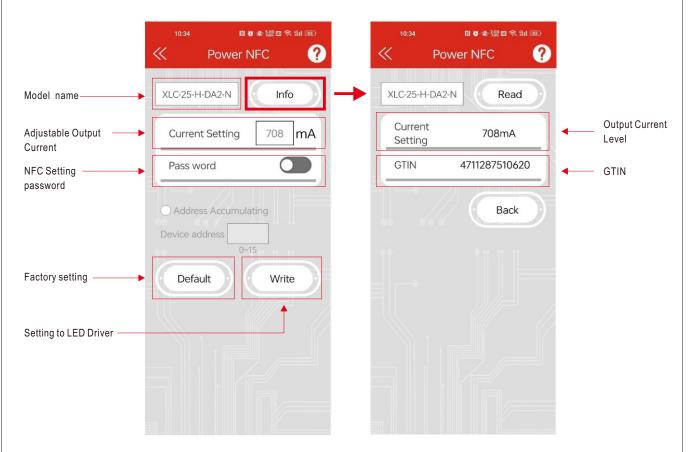
### ■ NFC Function Description

- 1. The output current of the NFC Mode LED driver can be adjusted using NFC via the mobile APP. Operation Instruction:
- Compatible phone
  - Install an NFC-compatible smart mobile device or phone with AndroidTM 4.1 or IOS12 updates.
- Steps for setting output current via NFC
- 1. Download Meanwell APP on mobile device or mobile phone, and enable NFC function.
- 2. Check the NFC antenna position of the mobile phone please.

  3. Enter Meanwell APP ->Top left menu –Installation Manual/APP->PowerNFC, approach the LED driver NFC sensing position and perform sensing.
- 4. APP displays the functional parameters, and the relevant parameters are modified as required.
- 5. Tap the APP write button and quickly move the phone antenna close to the NFC sensing position of the LED driver.
- 6. The write completes when the mobile phone displays "Success".

### **APP Function Description**

#### **※** APP Interface:



• To be used through APP available on Apple Store and Google Play Store for iOS and Android. Search: MEAN WELL on





Note: 1. Current accuracy: the numerical error between the set current and the actual current is within 2%. 2. Please turn off the input power supply to the LED driver when using NFC function.

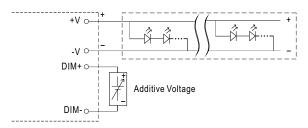


## **■ DIMMING OPERATION**

B type

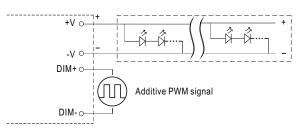
#### % 3 in 1 dimming function

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
   0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100  $\mu$  A (typ.)



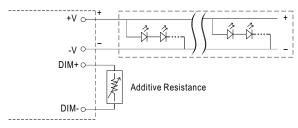
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 300Hz~3KHz):

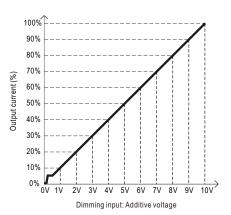


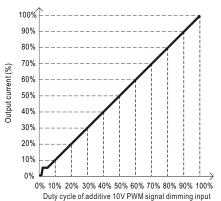
"DO NOT connect "DIM- to -V"

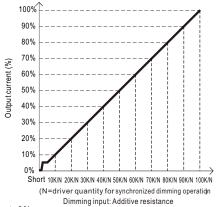
 $\bigcirc$  Applying additive resistance: 0~100k  $\Omega$ 



"DO NOT connect "DIM- to -V"







Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%.

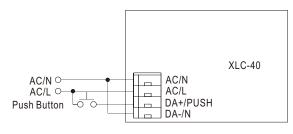
2. The output current could drop down to 0% when dimming input is about 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.

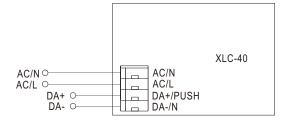


# ■ DIMMING OPERATION

### O DA2 type (DALI-2 digital dimming function)

### **※** Input wiring diagram





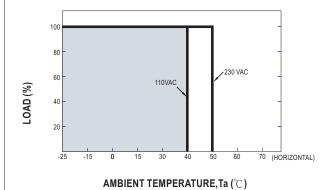
### ★PUSH dimming (primary side)

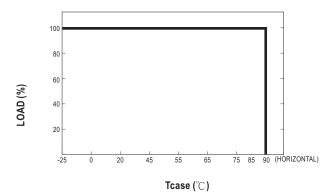
- The factory default dimming level is at 100%.
- If the push action lasts less than 0.05 sec., it will not lead to a change for the status of the driver.
- Up to 10 drivers can perform the PUSH dimming at the same time when utilizing one common push button.
  The maximum length of the cable from the push button to the last driver is 20 meters.

Action	Action duration	Function
Short Push	0.1~1s	Turn ON-OFF the driver
Double Click	Click twice in 1.5s	Set up the dimming level to 100%
Long Push	1.5~10s	Every Long Push changes the dimming direction, dimming up or down

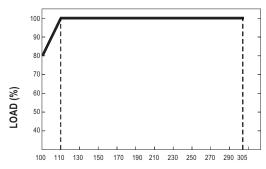


# ■ OUTPUT LOAD vs TEMPERATURE

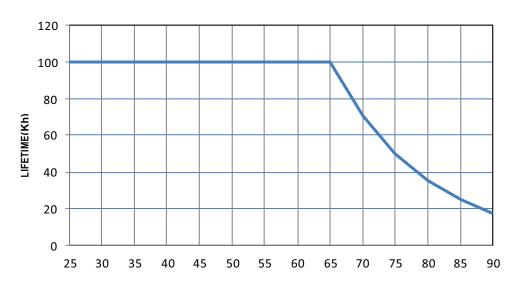




# ■ STATIC CHARACTERISTIC



# ■ LIFE TIME

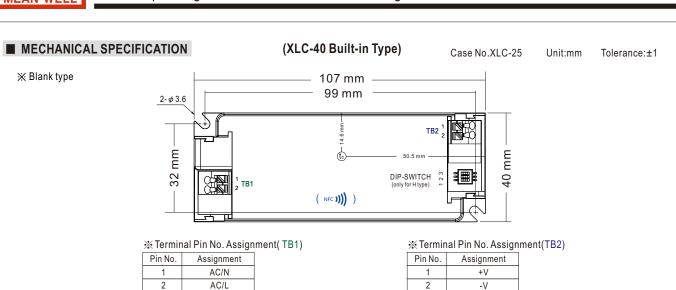


Tcase(°C )

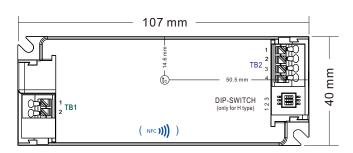


#### ■ TOTAL HARMONIC DISTORTION (THD) XLC-40-H Model, Tcase at 75℃ 12 12 10 10 THD(%) -115VAC 115VAC 230VAC ---- 230VAC 277VAC 277VAC 50% 60% 70% 80% 90% 100% 50% 60% 70% 80% 90% 100% LOAD LOAD (1050mA) (1400mA) **■ POWER FACTOR (PF) CHARACTERISTIC** XLC-40-H Model, Tcase at 75° C 0.96 0.96 0.94 0.94 115VAC 出 出 0.9 230VAC ---230VAC 0.88 0.88 <u></u>277VAC **→**277VAC 0.86 0.82 0.82 50% 60% 80% 90% 100% 60% 80% 90% LOAD LOAD (1050mA) (1400mA) **■** EFFICIENCY vs LOAD XLC-40 series possess superior working efficiency that up to 88% can be reached in field applications. $\times$ XLC-40-H Model, Tcase at 75 $^{\circ}$ C **EFFICIENCY (%) EFFICIENCY (%)** 70 70 230VAC 230VAC 65 65 <del>-----</del>277VAC 55 55 100% 60% 90% 100% LOAD LOAD (1050mA) (1400mA)





※ B type



※ Terminal Pin No. Assignment( TB1)

Pin No.	Assignment
1	AC/N
2	AC/L

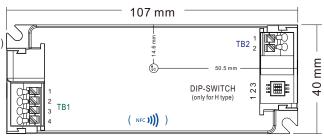
★ Terminal Pin No. Assignment(TB2)

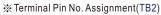
/• (		
Pin No.	Assignment	
1	+V	
2	-V	
3	DIM+	
4	DIM-	



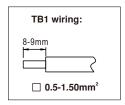


Pin No.	Assignment
1	AC/N
2	AC/L
3	DA+/PUSH
4	DA-/N

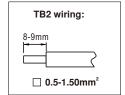




Pin No.	Assignment
1	+V
2	-V







Item	Order No.	Quantity(MOQ/1Bag)
Strain-relief cap	1**3XLC-SET	50pcs (2pcs 1 set)



