

LTP40D-1HMC (Product No.: 102100750101)

Summary

LTP40D-1HMC is a 40W AC/DC constant current mode output LED driver featuring the multiple levels selectable by DIP switch and complies with DALI standard protocol IEC 62386. LTP40D-1HMC can be connected to DALI main controller to achieve a smooth dimming effect.

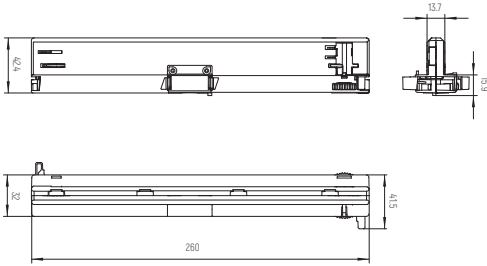

Product Feature

- Single channel output, output current level selectable via DIP S.W.
- Meet DALI Protocol IEC 62386-207 Ed2.0
- High efficiency up to 87%
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, no load
- Compatible with all brands of 6 lines dimmable track
- For luminaires of protection class II
- 5-year guarantee

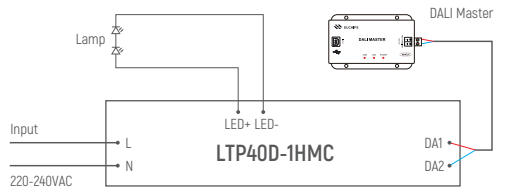

Technical Parameters

Model		LTP40D-1HMC			
Input	Efficiency	87%@230VAC, Full load			
	Voltage	200-240VAC			
	Frequency	50/60Hz			
	Power Factor	0.95@230VAC, Full load			
	THD	<10%@230VAC, Full load			
	Current	0.21Amax@230VAC, Full load			
	Standby Power	<0.5W			
	Inrush Current	Cold Start, 20A(twidth=70us measured at 50% Ipeak)@230VAC			
Output	Current/ Voltage/ Power	700mA/12-42VDC/29.4W	750mA/12-42VDC/31.5W	800mA/12-42VDC/33.6W	850mA/12-42VDC/35.7W
		900mA/12-42VDC/37.8W	950mA/12-42VDC/39.9W	1000mA/12-40VDC/40W	1050mA/12-38VDC/39.9W
	Current Accuracy	±5%			
	No-load Output Voltage	50VDC			
	R&N(<120Hz)	<3%			
	No load	The LED Driver will not be damaged.			
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed			
	Over load	Hiccup mode, recovers automatically after fault condition is removed			
Safety & EMC	Surge	L-N: 1KV;			
	Withstand Voltage	I/P-O/P: 3750VAC/1min/5mA			
	Safety Standard	IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14			
	EMC Emission	EN55015, EN61000-3-2 class C, IEC61000-3-3, GB/T17743			
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547 GB17625.1			
Function	Dimming Mode	DALI			
	Dimming Range	0.1%-100%			
Others	Dimension	260*42.5*32mm(L*W*H)			
	Packing Size	488*294*188mm(L*W*H)/19kg/ Carton/100PCS;			
	G.W	185g			
	IP rating	IP20			
	Working Temp.	-20~40°C			
	Tc	80°C			
	Relative Humidity	20-90% RH			
	Lifetime	50000h@ta: 35°C			
	Switch Cycle	>1000000times			
	Max. allowed weight of complete luminaire	5Kg			

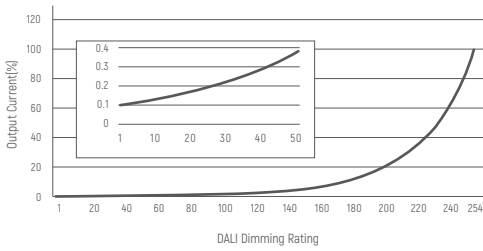
Dimension(mm)



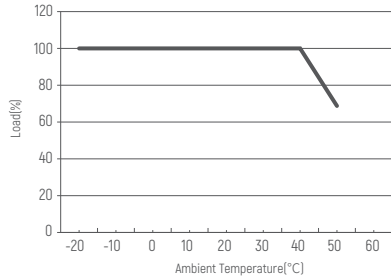
Wiring Diagram



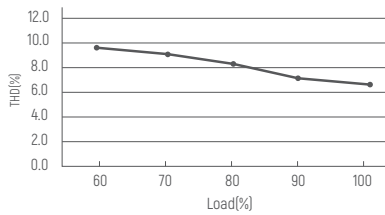
Dimming Curve



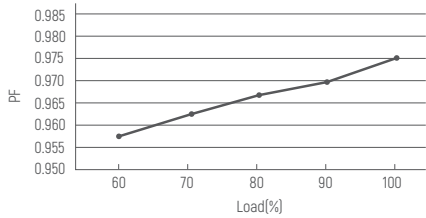
Derating Curve



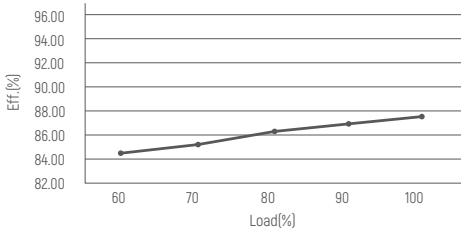
THD vs Load



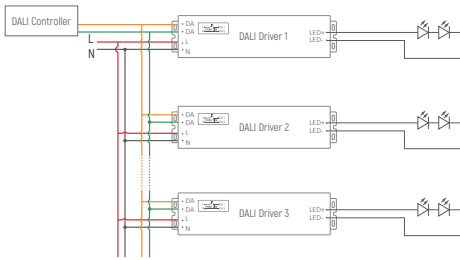
PF vs Load



Eff. vs Load



DALI Diagram



Current Selection Table

LTP40D-1HMC is a multi-current dimming driver, output current level selectable by DIP S.W, as the following:

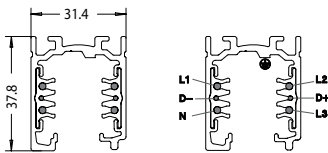
ON	OFF	1	2	3	750mA	800mA	850mA	900mA	950mA	1000mA	1050mA
		700mA	750mA	800mA	850mA	900mA	950mA	1000mA	1050mA		
		12-42V	12-42V	12-42V	12-42V	12-42V	12-42V	12-40V	12-38V		

Remark: Function default setting is: 700mA (@switch are all OFF state)

Max. Quantity Of Drivers Per Miniature Circuit Breaker

MCB type	B16	C16
Installation	1.5mm ²	1.5mm ²
Quantity	30	38

Phase track light rail specification:



LTP40D-1HMC (产品代码: 102100750101)

概述

LTP40D-1HMC是一款可以提供700/750/800/850/900/950/1000/1050mA 8档电流的LED驱动器。输出电流可以通过DIP拨码开关简易设置,符合DALI标准协议IEC62386。用DALI主控开关调光,曲线平滑、无闪烁。



产品特点

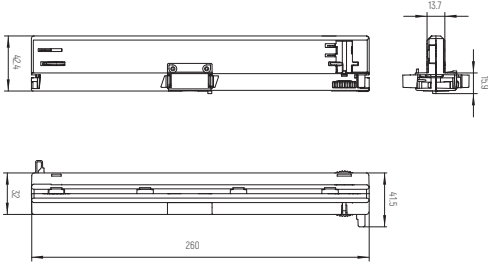
- 单通道输出, 输出电流可通过DIP拨码开关选择
- 遵循DALI协议标准 IEC62386-207 Ed2.0
- 效率高达 87%
- 内建主动式PFC功能
- 调光效果平滑, 无闪烁
- 保护: 短路保护, 过载保护, 空载保护
- 兼容各品牌6线调光轨道
- 适用于二类灯具
- 5年质保



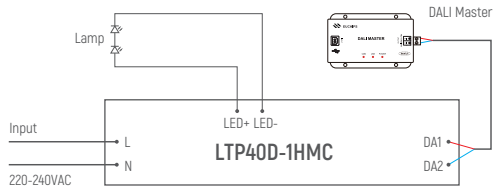
技术参数

产品型号		LTP40D-1HMC			
输入	电压	200-240VAC			
	频率	50/60Hz			
	效率(典型)	87%@230VAC,满载			
	功率因数(典型)	0.95@230VAC,满载			
	THD	<10%@230VAC,满载			
	电流	0.21Amax@230VAC,满载			
	待机功耗	<0.5W			
	浪涌电流	冷启动20A(在 50%Ipeak 下测twidth=70us)@230VAC			
输出	电流/ 功率/ 电压	700mA/12-42VDC/29.4W	750mA/12-42VDC/31.5W	800mA/12-42VDC/33.6W	850mA/12-42VDC/35.7W
		900mA/12-42VDC/37.8W	950mA/12-42VDC/39.9W	1000mA/12-40VDC/40W	1050mA/12-38VDC/39.9W
	电流精度	±5%			
	空载输出电压	50VDC			
	纹波(<120Hz)	<3%			
保护	空载	驱动不会损坏			
	短路	打嗝, 去除故障后自恢复			
	过载	打嗝, 去除故障后自恢复			
安规和电磁兼容	浪涌	L-N: 1KV;			
	耐压	I/P-O/P: 3750VAC/1min/5mA			
	安全标准	IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14			
	电磁兼容	EN55015, EN61000-3-2 class C, IEC61000-3-3, GB/T17743			
功能	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61547 GB17625.1			
	调光方式	DALI			
其它	调光范围	0.1%-100%			
	尺寸	260*42.5*32mm(长*宽*高)			
	包装尺寸	488*294*188mm(长*宽*高)/19kg/箱/100个;			
	毛重	185克			
	防水等级	IP20			
	工作温度	-20~40°C			
	Tc	80°C			
	相对湿度	20-90% RH			
	寿命	50000h@ta: 35°C			
	开关周期	>100000times			
允许整灯重量	5Kg				

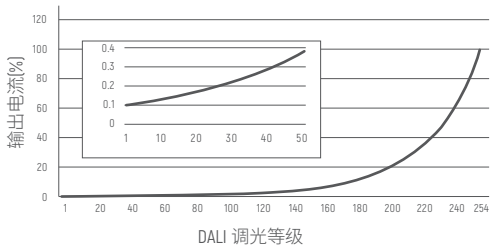
外观尺寸



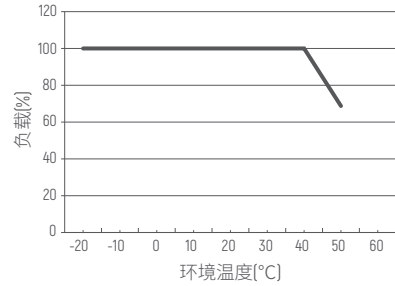
应用接线图



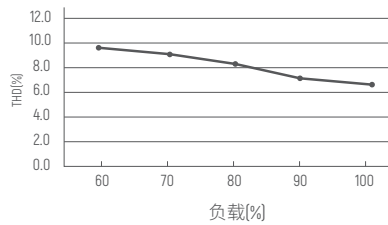
调光曲线



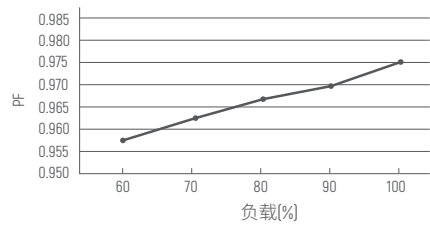
降额曲线



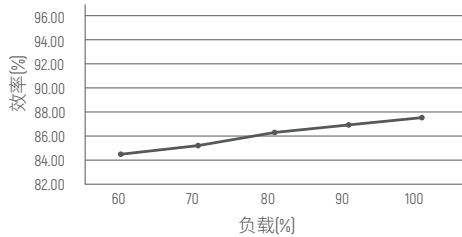
THD vs 负载



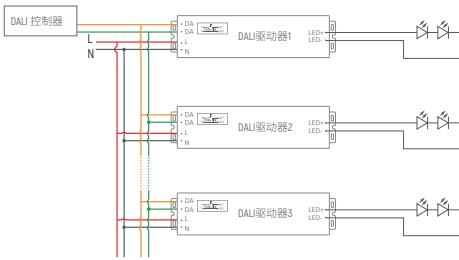
PF vs 负载



效率 vs 负载



DALI应用图



电流选择表

LTP40D-1HMC是一个多电流调光驱动器，输出电流可通过拨码开关选择，如下所示：

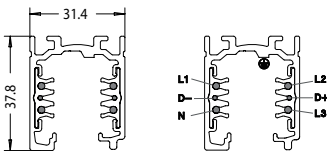
ON	OFF	1	2	3													
		700mA	750mA	800mA	850mA	900mA	950mA	1000mA	1050mA								
		12-42V	12-42V	12-42V	12-42V	12-42V	12-42V	12-40V	12-38V								

备注：出厂默认设置电流为700mA(1,2,3在OFF状态)

断路器的带载说明

断路器类型	B16	C16
安装线径	1.5mm ²	1.5mm ²
最大允许数量	30	38

推荐轨道条规格



注意事项

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 3、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 4、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 5、如果发生故障，请勿私自维修；如有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。如有疑问请与我们联系。