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# 欧司朗恒压驱动电源 选型手册

11/2023

**OSRAM**



OSRAM Constant-voltage LED drivers (24V/12V) 欧司朗恒压驱动电源 (24V/12V)



Product Family 产品系列	Product Name 产品名称	EAN10 订货号	Dimming Interface 调光方式	Touch DIM 按键调光	Output Power 输出功率 [W]	Input Voltage 输入电压 [V]	Output Voltage 输出电压 [V]	Output Current 输出电流 [mA]	Max Efficiency 最大效率 [%]	Voltage Ripple 输出电压精度 [%]	Surge Protection 浪涌保护 [KV]	Power Factor 功率因数	THD (Full load) 总谐波 [满载] [%]	Dimensions 外形尺寸 (LxWxH) [mm]	Ambient Temperature 使用环境温度 Range [°C]	Max Tc 最大Tc 温度高 [°C]	Lifetime 产品寿命 [h]	IP Rating IP防护等级	Suitable Luminaire Protection Class 适用灯具类别	Input/Output Connection Type 输入/输出连接方式	Programmer Tool 编程工具	Emergency Lighting 应急照明	Certificates & Approbations 认证
Connected (Wireless)	OTI BLE 24V QBM	OTI BLE 80/220-240/24	BLE	No	80	220-240	24	N/A	93	<5	1 <sup>RS</sup>	0.98	<5	345 x 32 x 22	-20...+45	80	50 K <sup>RS</sup> /70 K <sup>RS</sup>	IP20	II	Screw terminal	No	No	CE,UKCA,ENEC,EAC,RCM,VDE
Connected (DALI)	OTI DALI 24V 4CH DT8	NEW! OTI DALI 50/220-240/24 4CH DT6/8 NEW! OTI DALI 80/220-240/24 4CH DT6/8	DALI-2	Yes	50	220-240	24.2	N/A	92	<1	1 <sup>RS</sup>	0.95	<5	346 x 32 x 22	-20...+45	70	50 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	Yes	CE,UKCA,ENEC,CCC,RCM,VDE,BIS*,KC,TISI*
	OTI DALI 24V 2CH DT8	NEW! OTI DALI 160/220-240/24 2CH DT6/8	DALI-2	Yes	160	220-240	24.2	N/A	93	<1	1 <sup>RS</sup>	0.99	<5	300 x 50 x 35	-20...+45	90	50 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	Yes	CE,UKCA,ENEC,CCC,RCM,VDE,BIS*,KC,TISI*
	OTI DALI 24V	NEW! OTI DALI 30/220-240/24 1CH NEW! OTI DALI 50/220-240/24 1CH NEW! OTI DALI 80/220-240/24 1CH NEW! OTI DALI 160/220-240/24 1CH	DALI-2	Yes	30	220-240	24.2	N/A	88	<1	1 <sup>RS</sup>	0.95	<10	103 x 67 x 30	-20...+50	80	50 K <sup>RS</sup>	IP20	I / II	Push in	No	Yes	CE,UKCA,ENEC,CCC,RCM,VDE,BIS
	OT SLIM 24V	NEW! OT SLIM 30/220-240/24 NEW! OT SLIM 60/220-240/24 NEW! OT SLIM 100/220-240/24 NEW! OT SLIM 160/220-240/24 NEW! OT SLIM 250/220-240/24	Non-DIM	No	30	220-240	24	N/A	86	<5	1 <sup>RS</sup>	0.95	<5	270 x 30 x 17.5	-20...+45	86	50 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	No	CE,UKCA,ENEC,CCC,RCM,EAC,BIS*,KC,TISI*
Non Dim (ON OFF)	IT FIT 24V	NEW! IT FIT 30/220-240/24 NEW! IT FIT 60/220-240/24 NEW! IT FIT 120/220-240/24 NEW! IT FIT 180/220-240/24 NEW! IT FIT 250/220-240/24	Non-DIM	No	30	220-240	24	N/A	86	<5	2 <sup>RS</sup>	0.95	<5	170 x 40 x 30	-20...+50	80	50 K <sup>RS</sup> /70 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	No	CE,UKCA,CCC,RCM,BIS*,TISI*
	ELEMENT 24V G2	NEW! ELEMENT 30/220-240/24 G2 NEW! ELEMENT 60/220-240/24 G2 NEW! ELEMENT 120/220-240/24 G2 NEW! ELEMENT 180/220-240/24 G2 NEW! ELEMENT 250/220-240/24 G2	Non-DIM	No	30	220-240	24	N/A	86	<5	1 <sup>RS</sup>	0.95	<15	145 x 40 x 26.5	-20...+50	75	30 K <sup>RS</sup> /50 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	No	CE,UKCA,CCC,RCM,BIS*,KC,TISI*
	ELEMENT 12V G2	NEW! ELEMENT 30/220-240/12 G2 NEW! ELEMENT 60/220-240/12 G2 NEW! ELEMENT 120/220-240/12 G2 NEW! ELEMENT 180/220-240/12 G2	Non-DIM	No	30	220-240	12	N/A	86	<3	1 <sup>RS</sup>	0.95	<15	145 x 40 x 26.5	-20...+50	80	30 K <sup>RS</sup> /50 K <sup>RS</sup>	IP20	I / II	Screw terminal	No	No	CE,UKCA,CCC,RCM,BIS
	OTI DALI 24V P 1-4CH	OTI DALI 100/220-240/24 1-4CH P OTI DALI 210/220-240/24 1-4 CH P	DALI-2	No	100	220-240	24	N/A	93	<5	6 <sup>RS</sup> /8 <sup>RS</sup>	0.95	<5	237 x 69 x 37	-30...+60	85	50 K <sup>RS</sup>	IP66&IP67	I	Lead wire	No	No	CE,ENEC,VDE,EAC,KC
	Simple Dim (1 - 10V) (Outdoor)	OT DIM 24V P	OT 20/220-240/24 DIM P OT 40/220-240/24 DIM P OT 60/220-240/24 DIM P OT 100/220-240/24 DIM P OT 130/220-240/24 DIM P OT 250/220-240/24 DIM P	1-10V	No	20	220-240	24	N/A	83	<10	4 <sup>RS</sup>	0.95	<15	178 x 43 x 25	-30...+55	85	50 K <sup>RS</sup>	IP66	III	Lead wire	No	No
Simple Dim (PWM) (Outdoor)	OT DIM 24V P (PSE)	NEW! OT 30/100-242/24 DIM P G3 NEW! OT 60/100-242/24 DIM P G3 NEW! OT 90/100-242/24 DIM P G3 NEW! OT 150/100-242/24 DIM P G3 NEW! OT 300/100-242/24 DIM P G3	PWM DIM	No	30	100-242	24	N/A	86	<2	4 <sup>RS</sup> /6 <sup>RS</sup>	0.95	<10	195 x 51 x 33	-40...+50	85	50 K <sup>RS</sup> /100 K <sup>RS</sup>	IP66&IP67	I	Lead wire	No	No	PSE
	OT 24V P	OT 20/220-240/24 P OT 40/220-240/24 P OT 60/220-240/24 P OT 100/220-240/24 P OT 130/220-240/24 P OT 250/220-240/24 P	Non-DIM	No	20	220-240	24	N/A	83	<10	4 <sup>RS</sup>	0.95	<15	178 x 43 x 25	-30...+55	85	50 K <sup>RS</sup>	IP66	III	Lead wire	No	No	CE,UKCA,ENEC,CCC,RCM,EAC,BIS*,KC,TISI*
	OT FIT 24V P	NEW! OT FIT 80/220-240/24 P NEW! OT FIT 150/220-240/24 P NEW! OT FIT 200/220-240/24 P NEW! OT FIT 300/220-240/24 P	Non-DIM	No	80	220-240	24	N/A	88	<1	4 <sup>RS</sup> /6 <sup>RS</sup>	0.95	<8	170 x 53 x 31.5	-40...+50	90	50 K <sup>RS</sup>	IP66&IP67	III	Lead wire	No	No	CE,UKCA,CCC,RCM,BIS*,KC,TISI*
	OT FIT 12V P	NEW! OT FIT 60/220-240/12 P NEW! OT FIT 150/220-240/12 P NEW! OT FIT 300/220-240/12 P	Non-DIM	No	60	220-240	12	N/A	88	<3	6 <sup>RS</sup> /6 <sup>RS</sup>	0.95	<10	167x53x31.5	-40...+50	80	50 K <sup>RS</sup>	IP66&IP67	III	Lead wire	No	No	CE,UKCA,ENEC,RCM*,KC
	OT FIT 12V P (For India)	NEW! OT FIT 60/220-240/12 P (For India) NEW! OT FIT 150/220-240/12 P (For India) NEW! OT FIT 300/220-240/12 P (For India)	Non-DIM	No	60	220-240	12	N/A	86	<10	6 <sup>RS</sup> /10 <sup>RS</sup>	0.95	<10	163 X 72 X 43.5	-40...+60	TBD	50 K <sup>RS</sup>	IP67	III	Lead wire	No	No	BIS
Dimmer	N/A	OTI DALI DIM 1-4CH D OT DIM OT DMX RGBW 12-24 OT BLE DIM	DALI-2	Yes	240	12-48	12-48	N/A	96	<3	6 <sup>RS</sup> /10 <sup>RS</sup>	0.95	<10	181 x 42 x 20	-20...+50	60	50 K <sup>RS</sup>	IP20	II	Screw terminal	No	No	CE,UKCA,ENEC,RCM
			1-10V	No	120	10-24	10.5-24	N/A	96	<3	6 <sup>RS</sup> /10 <sup>RS</sup>	0.95	<10	172 x 42 x 20	-20...+50	70	50 K <sup>RS</sup>	IP20	II	Screw terminal	No	No	CE,UKCA,VDE
			DMX	No	171	12-24	12-24	N/A	95	<3	6 <sup>RS</sup> /10 <sup>RS</sup>	0.95	<10	172 x 42 x 20	-20...+45	65	50 K <sup>RS</sup>	IP20	II	Screw terminal	No	No	CE,UKCA,UL
			BLE	No	240	12-24	12-24	N/A	98	<3	6 <sup>RS</sup> /10 <sup>RS</sup>	0.95	<10	172 x 42 x 20	-10...+40	65	50 K <sup>RS</sup>	IP20	III	Screw terminal	No	No	CE,UKCA

备注:  
 (1) 运行在最高Tc温度下的产品寿命, 最大失效率为10%  
 (2) 运行的Tc温度比最高Tc温度低5°C下的产品寿命, 最大失效率为10%  
 (3) 运行的Tc温度比最高Tc温度低10°C下的产品寿命, 最大失效率为10%  
 (4) 运行的Tc温度比最高Tc温度低15°C下的产品寿命, 最大失效率为10%  
 (5) L/N (线对线, 差模, IEC 61547)  
 (6) L/PE,N/PE,LN/PE (线对地, 共模, IEC 61547)  
 (7) L/PE,N/PE,LN/PE (线对地, 共模, 一次脉冲, IEC 61547)  
 \* 认证中

Remark:  
 (1) At max. Tc temperature, max. failure rate of 10 %  
 (2) Operating at 5 °C lower than max. Tc, max. failure rate of 10 %  
 (3) Operating at 10 °C lower than max. Tc, max. failure rate of 10 %  
 (4) Operating at 15 °C lower than max. Tc, max. failure rate of 10 %  
 (5) L/N acc. to EN 61547  
 (6) L/PE,N/PE,LN/PE acc. IEC 61547  
 (7) L/PE,N/PE,LN/PE 1 strike acc. IEC 61547  
 \* In preparation

