



Enabling future proof OLED technology

Lumiblade OLED Driver-Low Voltage

This driver detects the power and voltage needs of the attached OLED and drives the attached OLED Panel accordingly. This one-driver-fits-all-panels approach eases the life of the customers and makes this driver also compatible for future developments.

Benefits

- 0-10V or DALI controller dimming down to 1%
- A protection circuit for the OLED is implemented
- Compact housing enables new design possibilities
- Cascading multiple drivers reduces the costs for the transformers

Features

- Small dimensions
- Operating window from 100 to 400 mA, adjustable by OLED resistor or software programmable
- DALI and 0-10 Volt control interface in one driver
- 24 Volt DC input

Application

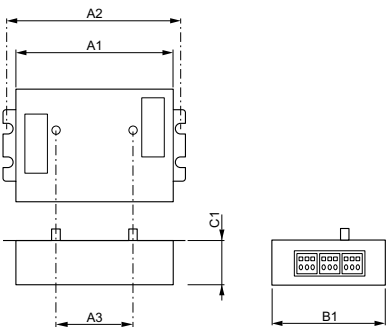
- Offices, integrating light into products Furniture

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Versions



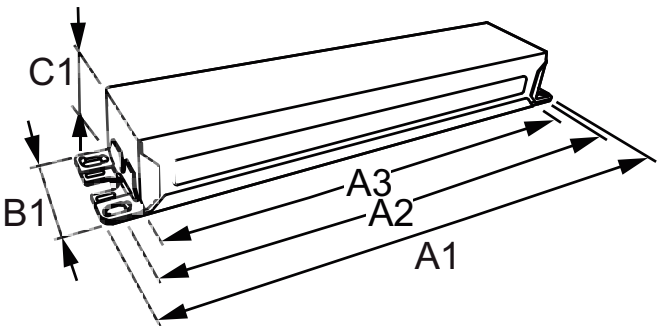
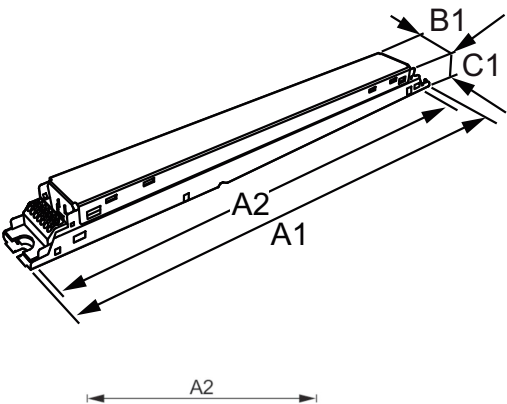
Dimensional drawing



Product	C1	A1	A2	A3	B1
XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	30.0 mm	106.7 mm	115.6 mm	50.8 mm	76.2 mm
XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	30.0 mm	106.7 mm	115.6 mm	50.8 mm	76.2 mm

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Dimensional drawing



Product	C1	A1	A2	A3	B1
XITANIUM 2X50W 1.5A 0-10V -H SXT	38.1 mm	160.5 mm	151.4 mm	143.8 mm	91.4 mm

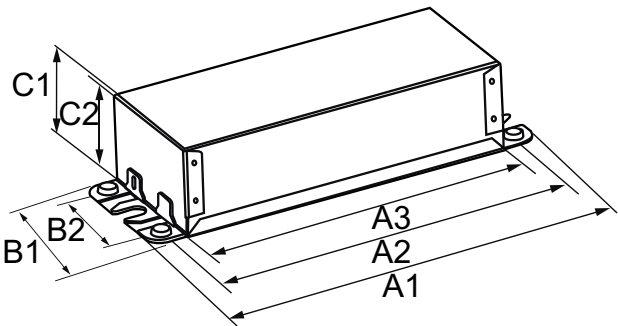
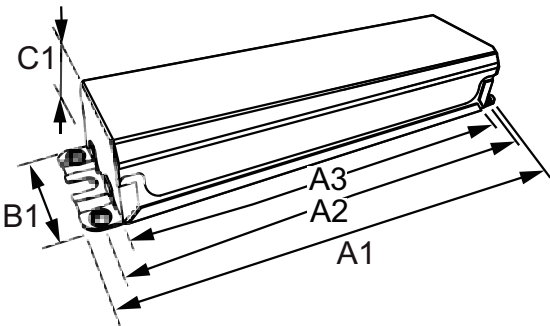
Product	C1	A1	A2	B1
XITANIUM 75W 0.7-2.0A 54V TE/ DALI INT	25.4 mm	424.2 mm	415.0 mm	30.0 mm
XITANIUM 75W 0.7-2.0A 54V TE/ 0-10V INT	25.4 mm	424.2 mm	415.0 mm	30.0 mm

Product	D1	B2	C1	C2	A1	A2	B1
XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	3.8 mm	24.6 mm	24.9 mm	3.0 mm	132.0 mm	122.4 mm	34.3 mm

Product
XITANIUM 80W 3.3A 24V 120V 60HZ

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Dimensional drawing



A2

Product	C1	A1	A2	B1
XITANIUM 54W 0.1-1.5A 27-54V SD	25.4 mm	358.1 mm	350.0 mm	30.0 mm
INT-T				
XITANIUM 54W 0.1-1.5A 27-54V	25.4 mm	358.1 mm	350.0 mm	30.0 mm
MRK10 120-T				

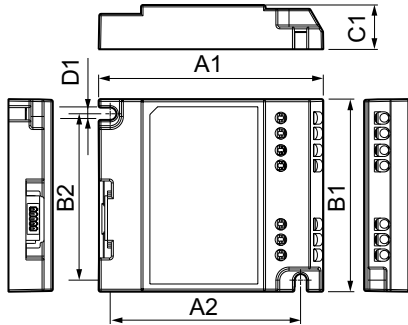
Product	C1	A1	A2	A3	B1
XITANIUM 75W 0.53A 0-10V	38.1 mm	167.4 mm	153.2 mm	138.2 mm	59.2 mm
INT-Y SXT					
XITANIUM 75W 0.53A AOC	38.1 mm	167.4 mm	153.2 mm	138.2 mm	59.2 mm
INT-Y SXT					

Product	B2	C1	A1	A2	B1
XITANIUM 75W 1.05A 0-10V INT-Y	42.9 mm	38 mm	168 mm	153 mm	59.1 mm

Product	D1	A2	B2	C1	A1	A3	X1	B1
XITANIUM 100W	5.5	155	50	38	165	147.4	275	70
0.53A PROG+ GL-	mm	mm	mm	mm	mm	mm	mm	mm
Z sXt								

Lumiblade OLED Driver-Low Voltage

Dimensional drawing



Product

Driver D024V 10W/0.1-0.4A/28V D/A

Approval and Application

Order Code	Full Product Name	IP Classification	Surge Protection (Common/Differential)
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	-	-
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	-	-
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	-	-
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	-	-
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	-	-
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	20	-
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	-	-
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	-	-

Order Code	Full Product Name	IP Classification	Surge Protection (Common/Differential)
929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	-	-
929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	-	4/4 kV
929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	-	2/2 kV
929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	-	2/2 kV
929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	-	-
929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	-	-
929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	-	-

Operating and Electrical

Order Code	Full Product Name	Output Current (Nom)	Output Power (Nom)	Output Voltage	Input Voltage (AC)	Input Voltage (DC)
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	3300 mA	80 W	24 V	120 V	-
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	350-520 mA	30 W	20-56 V	120-277 V	-
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	350-520 mA	40 W	40-77 V	120-277 V	-
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	700-1050 mA	50 W	25-48 V	120-277 V	-
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	350 mA	10 W	2.8-28 V	120 V	-
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	100-400 mA	10-10 W	1-28 V	-	21.6-26.4 V
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	700-2000 mA	75 W	27-54 V	120-277 V	-
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	700-2000 mA	75 W	27-54 V	120-277 V	-
929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	1500 mA	75 W	20-36 V	120-277 V	-
929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	100-530 mA	35-100 W	94-189 V	120-277 V	-
929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	700-1500 mA	54 W	27-54 V	120 V	-

Lumiblade OLED Driver-Low Voltage

Order Code	Full Product Name	Output Current (Nom)	Output Power (Nom)	Output Voltage	Input Voltage (AC)	Input Voltage (DC)
929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	700-1500 mA	54 W	27-54 V	120-277 V	-
929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	530 mA	75 W	71-143 V	120-277 V	-
929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	100-530 mA	75 W	71-143 V	120-277 V	-
929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	750 mA	75 W	-	120-277 V	-

Temperature (1/2)

Order Code	Full Product Name	T-Ambient		T-Case	T-Case Maximum	Module	T-Case	T-Storage
		(Max)	T-Ambient (Min)	Lifetime (Nom)		Temperature Protection	Switch Off (Nom)	
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	60 °C	-40 °C	-	90 °C	-	-	-
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	60 °C	-40 °C	-	75 °C	-	-	-
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	55 °C	-20 °C	-	75 °C	-	-	-
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	55 °C	-40 °C	-	85 °C	-	-	-
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	60 °C	-40 °C	-	90 °C	-	-	-
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	50 °C	-20 °C	50 °C	85 °C	-	-	85 °C
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	50 °C	-20 °C	-	75 °C	-	-	-
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	50 °C	-20 °C	-	75 °C	-	-	-
929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	55 °C	-40 °C	-	80 °C	-	-	-
929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	55 °C	-40 °C	66 °C	80 °C	Programmable	85 °C	-
929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	50 °C	-20 °C	-	85 °C	-	-	-
929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	50 °C	-20 °C	-	85 °C	-	-	-
929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	55 °C	-40 °C	-	80 °C	-	-	-
929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	55 °C	-40 °C	-	80 °C	-	-	-
929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	-	-	-	80 °C	-	-	-

Temperature (2/2)

Order Code	Full Product Name	T-Storage (Min)	Order Code	Full Product Name	T-Storage (Min)
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	-	929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	-
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	-	929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	-
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	-	929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	-
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	-	929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	-
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	-	929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	-
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	-25 °C	929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	-
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	-	929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	-
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	-			

Wiring

Order Code	Full Product Name	Connector Type	Control Wire		Input Wire		Output Wire	
			Cross Section (Nom)	Control Wire Length	Hot Wiring	Cross Section	Cross Section (Nom)	Output Wire Length
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	Wago 250	-	-	-	-	-	660.4 mm
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	-	-	-	-	-	-	-

Lumiblade OLED Driver-Low Voltage

Order Code	Full Product Name	Connector Type Input Terminals	Control Wire		Input Wire		Output Wire	
			Cross Section (Nom)	Control Wire Length	Hot Wiring	Cross Section	Cross Section (Nom)	Output Wire Length
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	-	-	-	-	-	-	-
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	-	-	-	-	-	-	-
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	Wago 250	-	-	-	-	-	152.4 mm
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	WAGO 2060-series	-	-	Yes	-	-	-
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	-	-	-	-	-	-	-
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	-	-	-	-	-	-	-
929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	-	-	305.0 mm	-	-	-	305.0 mm
929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	-	0.82 mm ²	275 mm	-	0.82 mm ²	0.82 mm ²	275 mm
929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	-	-	-	-	-	-	-
929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	-	-	-	-	-	-	-
929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	-	-	270.0 mm	-	-	-	270.0 mm
929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	-	-	270.0 mm	-	-	-	270.0 mm
929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	-	-	270.0 mm	-	-	-	270.0 mm

Controls and Dimming

Order Code	Full Product Name	Control Interface
913700508991	XITANIUM 80W 3.3A 24V 120V 60HZ	-
913701214502	XITANIUM 30W 0.52A 60V 0-10V INTELLIVOLT	0-10V
913701214602	XITANIUM 39W 0.52A 80V 0-10V INTELLIVOLT	0-10V
913701214702	XITANIUM 50W 1.0A 60V 0-10V INTELLIVOLT	0-10V
913710267302	XITANIUM 10W 0.35A 28V 120V 60HZ OUTDOOR	-
925400010101	Driver D024V 10W/0.1-0.4A/28V D/A	DALI
929000636913	XITANIUM 75W 0.7-2.0A 54V TE/DALI INT	DALI/100K
929000637013	XITANIUM 75W 0.7-2.0A 54V TE/0-10V INT	1-10V Isolated/100K

Order Code	Full Product Name	Control Interface
929000708113	XITANIUM 2X50W 1.5A 0-10V -H SXT	0-10V
929000710403	XITANIUM 100W 0.53A PROG+ GL-Z sXt	1-10V/AmpDim/ DALI/Dynadimmer
929000711213	XITANIUM 54W 0.1-1.5A 27-54V MRK10 120-T	Mark 10 dimming
929000711313	XITANIUM 54W 0.1-1.5A 27-54V SD INT-T	Step Dimming
929000711413	XITANIUM 75W 0.53A 0-10V INT-Y SXT	0-10V
929000711513	XITANIUM 75W 0.53A AOC INT-Y SXT	0-10V
929000725113	XITANIUM 75W 1.05A 0-10V INT-Y	0-10V

