DiGi Linear E-Series 2 Multi Color RGBW

The DiGi Linear E-Series 2 delivers high output pixel control for dynamic architectural accents, media facades, and entertainment installations. It offers smooth and uniform visuals for mapped effects, gradients and low-detail content at viewing distance.

Engineered with lightweight aluminum construction and comprehensive IP68 protection, the E-Series 2 is built for demanding outdoor use with uncompromising reliability.

↘ Precision and Continuity - Crisp color, balanced white tones and elegant light continuity.

↘ Extended Data Performance – Delivers industry-leading 75-meter data transmission at 50 FPS to ensure seamless large-scale installation control.

CE   RoHS   IP68   IK08

Specifications

General

Power Consumption (W/900mm)	18	
Input Voltage (V DC)	48	
LEDs (/900mm)	60	
Pixels (/900mm)	12	
Pixel Pitch (mm)	75	
Channels (/900mm)	48	
Beam Angle (°)	Dome, Square	140
	Tube	170
LED Type	4in1	
Color Range	RGBW	
CRI	≥80	
Control [1]	SPI	
Dimming	16 bit	

[1] Compatible SPI protocol can be found on the fixture.

Installation Conditions & Lighting Data

Maximum Run Length Power [2] (m)	20	
Maximum Run Length Data [2] (m)	@50fps	Up to 75
Maximum Leader Cable Length [2] (m)	Up to 20	
Delivered Lumen Full RGBW (lm)	1260 (RGBW3000K 1500mm Dome)	
Lumen Maintenance Calculated Hours (h)	L80B10 50,000	

[2] More details can be found in the Installation Guide document.

Operating

Environment	Outdoor
Storage Temperature (°C)	–30 to +90
Working Temperature (°C)	–20 to +85
Coastal Environmental Proof	Yes
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK08
IP Rating	IP68
Certification	CE, RoHS
Limited Warranty	5 Years

Physical

Housing Material	Aluminum (AW-6063)	
Cable Material	PCP	
Connector Material	Nylon (PA66)	
Cover Material	PC	
Housing Color	Grey RAL7047 (Custom on Request)	
Cable Color	Black	
Connector Type	M16 5Pin	
Weight (kg)	300mm	0,4
	600mm	0,8
	900mm	1,2
	1200mm	1,6
	1500mm	2
Dimensions WxH (mm)	Dome, Square	30 x 48
	Tube	50 x 78

Options

Color/CCT

☐ RGBW3000K
☐ RGBW4000K

Length

☐ 300mm
☐ 600mm
☐ 900mm
☐ 1200mm
☐ 1500mm

Covers

☐ Dome Cover
☐ Tube Cover
☐ Square Cover

Lighting Specifications
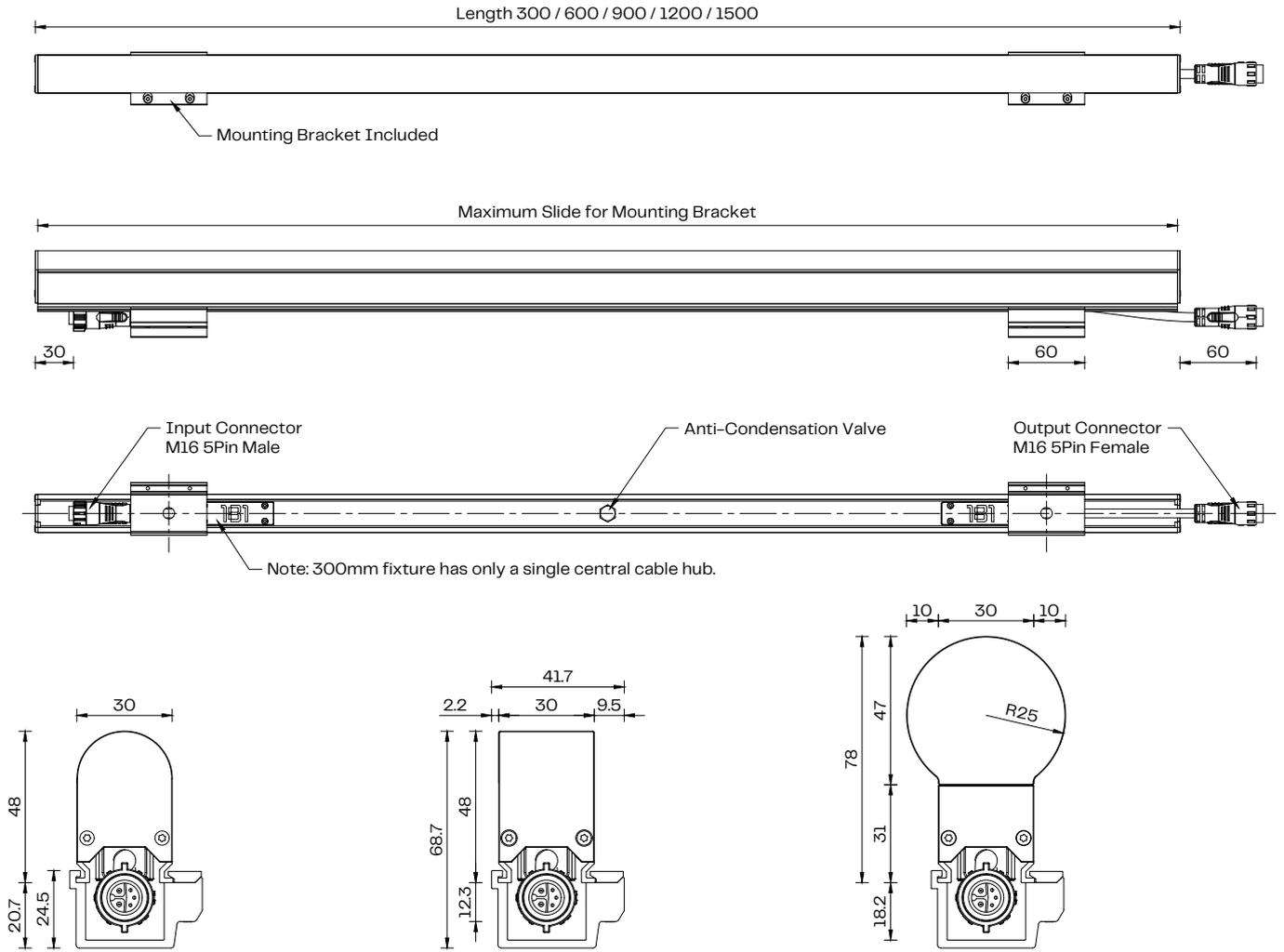
DiGi Linear E-Series 2

	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW3000K 300mm Dome	516	78	199	45	197
RGBW4000K 300mm Dome	526	78	199	45	205
RGBW3000K 600mm Dome	645	97	249	56	246
RGBW4000K 600mm Dome	658	97	249	56	257
RGBW3000K 900mm Dome	806	122	312	70	308
RGBW4000K 900mm Dome	822	122	312	70	321
RGBW3000K 1200mm Dome	1008	152	390	87	385
RGBW4000K 1200mm Dome	1028	152	390	87	401
RGBW3000K 1500mm Dome	1260	190	487	109	481
RGBW4000K 1500mm Dome	1285	190	487	109	501
RGBW3000K 300mm Tube	475	72	184	41	181
RGBW4000K 300mm Tube	484	72	184	41	189
RGBW3000K 600mm Tube	594	89	229	51	227
RGBW4000K 600mm Tube	605	89	229	51	236
RGBW3000K 900mm Tube	742	112	287	64	283
RGBW4000K 900mm Tube	757	112	287	64	295
RGBW3000K 1200mm Tube	927	140	358	80	354
RGBW4000K 1200mm Tube	946	140	358	80	369
RGBW3000K 1500mm Tube	1159	175	448	100	443
RGBW4000K 1500mm Tube	1182	175	448	100	461
RGBW3000K 300mm Square	516	78	199	45	197
RGBW4000K 300mm Square	526	78	199	45	205
RGBW3000K 600mm Square	645	97	249	56	246
RGBW4000K 600mm Square	658	97	249	56	257
RGBW3000K 900mm Square	806	122	312	70	308
RGBW4000K 900mm Square	822	122	312	70	321
RGBW3000K 1200mm Square	1008	152	390	87	385
RGBW4000K 1200mm Square	1028	152	390	87	401
RGBW3000K 1500mm Square	1260	190	487	109	481
RGBW4000K 1500mm Square	1285	190	487	109	501

	Red (nm)	Green (nm)	Blue (nm)
Spectral information	620–625	520–525	460–465

Photometric Distribution

oneeighty one.com

Dimensions

DiGi Linear E-Series 2 Multi Color[1]

Length 300 / 600 / 900 / 1200 / 1500

Mounting Bracket Included

Maximum Slide for Mounting Bracket

30   60   60

Input Connector
M16 5Pin Male

Anti-Condensation Valve

Output Connector
M16 5Pin Female

Note: 300mm fixture has only a single central cable hub.

30
48
20.7
24.5

2.2   30   9.5
41.7
68.7
48
12.3

10   30   10
47
78
31
18.2
R25

[1] The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.

Accessory Options

Dome Cover
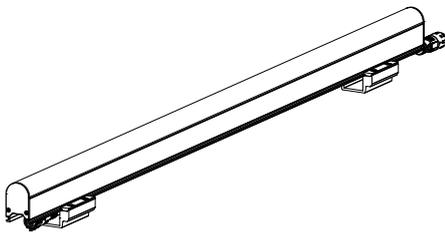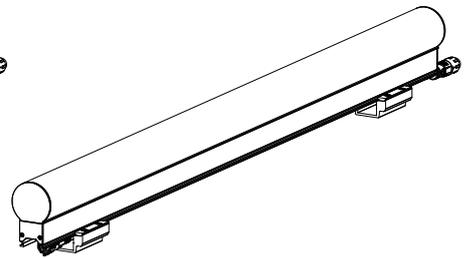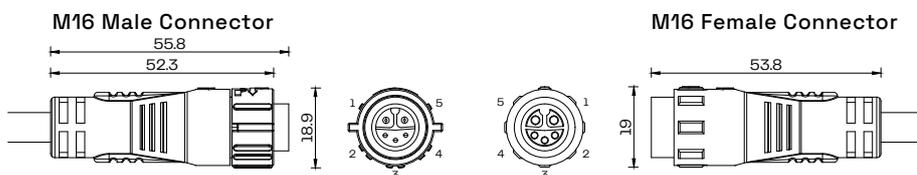
Square Cover

Tube Cover

Connection

M16 Male Connector
55.8
52.3
18.9

1 5
2 4
3

M16 Female Connector
53.8
19

5 1
4 2
3
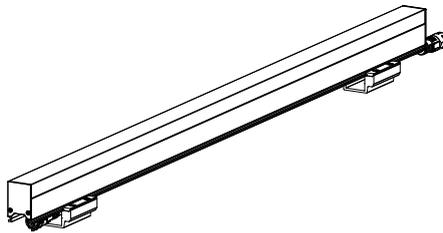
Connector Pin		
Pin 1	Red	48 V+
Pin 2	Green	Data
Pin 3	White	NC
Pin 4	Yellow	Data Backup
Pin 5	Black	GND

Product References

DiGi Linear

Reference	Description
3557631	DiGi Linear E-Series 2 RGBW3000K 300mm Dome
3557632	DiGi Linear E-Series 2 RGBW4000K 300mm Dome
3557633	DiGi Linear E-Series 2 RGBW3000K 600mm Dome
3557634	DiGi Linear E-Series 2 RGBW4000K 600mm Dome
3557635	DiGi Linear E-Series 2 RGBW3000K 900mm Dome
3557636	DiGi Linear E-Series 2 RGBW4000K 900mm Dome
3557637	DiGi Linear E-Series 2 RGBW3000K 1200mm Dome
3557638	DiGi Linear E-Series 2 RGBW4000K 1200mm Dome
3557639	DiGi Linear E-Series 2 RGBW3000K 1500mm Dome
3557640	DiGi Linear E-Series 2 RGBW4000K 1500mm Dome
3557641	DiGi Linear E-Series 2 RGBW3000K 300mm Tube
3557642	DiGi Linear E-Series 2 RGBW4000K 300mm Tube
3557643	DiGi Linear E-Series 2 RGBW3000K 600mm Tube
3557644	DiGi Linear E-Series 2 RGBW4000K 600mm Tube
3557645	DiGi Linear E-Series 2 RGBW3000K 900mm Tube
3557646	DiGi Linear E-Series 2 RGBW4000K 900mm Tube
3557647	DiGi Linear E-Series 2 RGBW3000K 1200mm Tube
3557648	DiGi Linear E-Series 2 RGBW4000K 1200mm Tube
3557649	DiGi Linear E-Series 2 RGBW3000K 1500mm Tube
3557650	DiGi Linear E-Series 2 RGBW4000K 1500mm Tube
3557651	DiGi Linear E-Series 2 RGBW3000K 300mm Square
3557652	DiGi Linear E-Series 2 RGBW4000K 300mm Square
3557653	DiGi Linear E-Series 2 RGBW3000K 600mm Square
3557654	DiGi Linear E-Series 2 RGBW4000K 600mm Square
3557655	DiGi Linear E-Series 2 RGBW3000K 900mm Square
3557656	DiGi Linear E-Series 2 RGBW4000K 900mm Square
3557657	DiGi Linear E-Series 2 RGBW3000K 1200mm Square
3557658	DiGi Linear E-Series 2 RGBW4000K 1200mm Square
3557659	DiGi Linear E-Series 2 RGBW3000K 1500mm Square
3557660	DiGi Linear E-Series 2 RGBW4000K 1500mm Square

oneeighty
one.com

Bromostraat 18–1
1067TG Amsterdam
The Netherlands

Info@oneeightyone.com
+31 (0)20 8200 170
@oneeightyonelighting