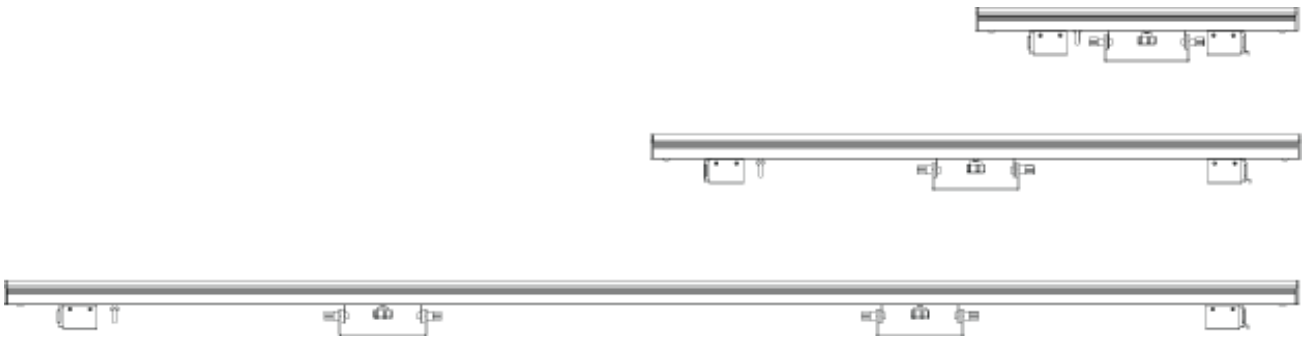

PIXEL BAR

30IP™ / 60IP™ / 120IP™

user manual

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D O C U M E N T V E R S I O N

Due to additional product features and/or enhancements, an updated version of this document may be available online.
Please check www.elationlighting.com for the latest revision/update of this manual, before beginning installation and/or programming.

Date	Document Version	Notes
05/23/18	1	Initial release.
05/25/18	1.2	Updated release.
06/08/18	1.4	Added DMX Channel Chart

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GENERAL INFORMATION

INTRODUCTION

This fixture has been designed to perform reliably for years when the information in this manual are followed. Please read and understand all the instructions and guidelines carefully and thoroughly before operating this unit. This manual contains important information regarding safety, installation, use, and maintenance.

UNPACKING

Each fixture has been thoroughly tested and shipped in perfect operating condition. Carefully check the outer shipping carton for signs of any damage that may have occurred during shipping. If the outer carton appears to be damaged, carefully inspect the fixture for damage and be sure all included accessories have arrived intact. In the event damage has been found and/or parts are missing, please contact our customer support team for further instructions. Please do NOT return this fixture to your dealer without first contacting customer support at the number listed below. Please do NOT discard the outer shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

Elation Professional provides a customer support line to provide set up help and answer any set up or operation questions. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional.

ELATION SERVICE USA - Monday - Friday 8:00am to 5:00pm PST

Voice: 323-582-3322 **Fax: 323-832-9142**
E-mail: support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET

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E-mail: support@elationlighting.eu

WARRANTY REGISTRATION / RETURNS

Please register online: http://www.elationlighting.com/Login.aspx to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

LIMITED WARRANTY (USA ONLY)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.

E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.

G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

SAFETY GUIDELINES

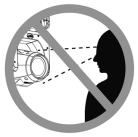
To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufactures warranty and increase the risk of damage and/or personal injury.

PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

DO NOT PLUG FIXTURE INTO A DIMMER PACK!
NEVER OPEN THIS FIXTURE WHILE IN USE!
UNPLUG POWER BEFORE SERVICING FIXTURE!
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!

ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.



NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

SAFETY GUIDELINES

DO NOT TOUCH the fixture housing during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.

DO NOT shake fixture, avoid brute force when installing and/or operating fixture.

DO NOT operate fixture if the power/data cables are frayed, crimped, damaged and/or if any of the connectors are damaged and do not insert into the fixture securely with ease.

NEVER force a power/data cable connector into the fixture. If the power/data cable or any of its connectors are damaged, replace it immediately with a new one.

DO NOT block the air value on the bottom of the fixture.

This must remain clean and never blocked.

When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always install fixture with an appropriately rated safety cable.

ALWAYS disconnect fixture from main power source before performing any type of service and/or cleaning procedure.

NEVER pull out the power/data cable by tugging the wire portion of the cable.

Consistent operational breaks will ensure the fixture will function properly for many years.

ONLY Use the original packaging and materials to transport the fixture in for service.

MAINTENANCE GUIDELINES

⚠ DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.

There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

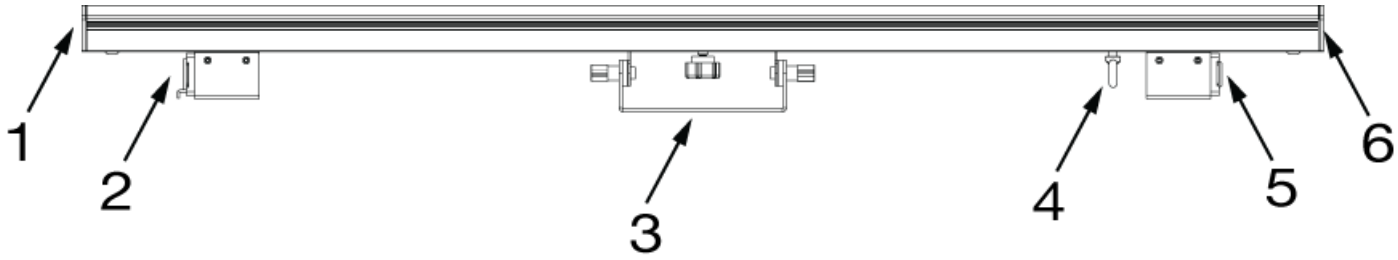
A detailed electric check by an approved electrical engineer every three months to make sure the circuit contacts are in good condition and prevent overheating.

Be sure all screws, fasteners, and clamp bolts are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.

Check for any deformations on the housing, lens covers, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).

Power/data cables must not show any damage, material fatigue or sediments.

FIXTURE OVERVIEW



1. Magnetic End Cap

2. Power/Data INPUT (see Optional Accessories for cable part numbers)

3. Sliding Position Adjustable 3-Hole Mounting Yoke (Pixel Bar 120IP includes 2)

4. Safety Cable Attachment Loop

5. Power/Data OUTPUT (see Optional Accessories for cable part numbers)

6. Magnetic End Cap

INCLUDED ITEMS

PIXEL BAR IP

2 ft (0.6m) 5pin 16AWG Power/Data Cable

Frosted Square Lens Cover

Frosted Round Lens Cover

INSTALLATION GUIDELINES

IP65 RATED

An IP rated lighting fixture is one, which is commonly installed in outdoor environments and has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects such as dust and water. The **International Protection (IP)** rating system is commonly expressed as **"IP"** (Ingress Protection) followed by two numbers (i.e. IP65) where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An IP65 rated lighting fixture is one, which has been designed and tested to protect against the ingress of dust (6) and high-pressure water jets from any direction (5).

MARINE/COASTAL ENVIRONMENT INSTALLATIONS

Please note although this fixture is IP rated, the fixture is **NOT** suitable for marine and/or coastal environment installations. Installing this fixture in a marine and/or coastal environment may cause corrosion and/or excessive wear to the interior and/or exterior components of the fixture. Damages and/or performance issues resulting from installation in a marine and/or coastal environment will void the manufactures warranty and will **NOT** be subject to any warranty claims and/or repairs.

OPTIONAL CORROSION-RESISTANT COATING

Optional Corrosion-Resistant Coatings may be available for this fixture.
Please contact **Elation Professional** for more details.

FLAMMABLE MATERIAL WARNING

Keep fixture minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.

ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.

ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A NON-CONDUCTIVE DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER INGRESS/CONDENSATION AND/OR CORROSION.

TO MAINTAIN IP65 RATING INTEGRITY AND PREVENT WATER FROM ENTERING THE FIXTURE, ALL UNUSED CONNECTION RUBBER CAPS MUST BE INSERTED/SEALED.

INSTALLATION GUIDELINES

DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting the fixture to any metal truss/structure or placing the fixture on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture, clamps, cables, and accessories. Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that meets all local, national, and country codes and regulations.

Fixture ambient operating temperature range is **-4° to 113°F. (-20° to 45°C)**

DO NOT use the fixture under or above this temperature.

Fixture should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand.

NEVER stand directly below the fixture when rigging, removing or servicing.

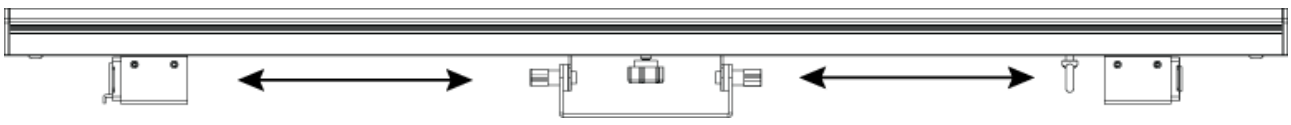
Allow approximately 15 minutes for the fixture to cool down before serving.

MOUNTING YOKE

This fixture includes an adjustable sliding position mounting yoke and safety cable rigging point attached to the fixture. (see the illustration below) (**Pixel Bar 120IP** includes 2 yokes)

To adjust the mounting yoke to a desired position, loosen thumb screw, move the yoke to the desired position, then tighten the thumb screw securely.

DO NOT OVER TIGHTEN THE THUMB SCREW!



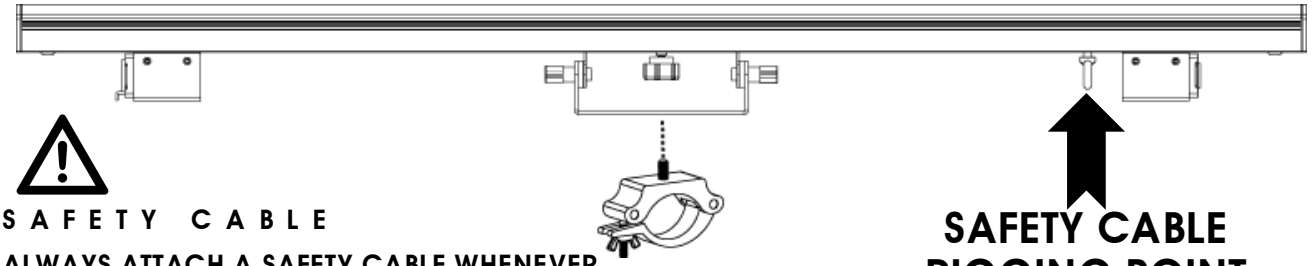
SURFACE MOUNTING

The fixture can be mounted to a flat surface via the mounting yoke using appropriate mounting hardware (not included). Use careful planning when surface mounting fixtures to allow ample space for power/data cables.

INSTALLATION GUIDELINES

TRUSS MOUNTING

The fixture can be attached to truss or a like structure via the mounting yoke using an appropriated truss clamp (not included) and an M10 screw (not included).



SAFETY CABLE

ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS DEVICE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT DROP IF THE CLAMP FAILS.

RIGGING

Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

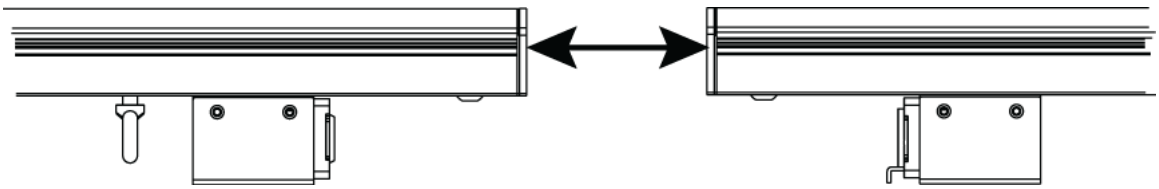
INSTALLATION LOCATION PLANNING

Use careful planning to select installation locations of **PIXEL BAR IP** unit(s). The maximum distance from the **PIXEL DRIVER 4000** to the first pixel bar can NOT exceed **50 feet (18m)**.

END-TO-END ALIGNMENT

The fixture includes magnetic end caps on both sides which allows seamless end-to-end linear alignment of multiple units. (see image below) Each fixture MUST be securely attached/installed using one of the methods mentioned above.

THIS FEATURE IS FOR ALIGNMENT PURPOSES ONLY!



INSTALLATION GUIDELINES

DIFFUSER LENS COVERS

Square and rounded edge diffuser lens covers are included. These can be attached to the fixture by aligning the lens to the grooves on both sides of the fixture, starting on one end of the fixture and then carefully sliding the lens over the length of the top cover.

It is best to attach the frosted lens covers before mounting the fixture.

FOR OVERHEAD RIGGING INSTALLATIONS, IT IS SUGGESTED TO APPLY SMALL BEADS OF SILCONE GLUE ALONG BOTH SIDES OF THE DIFFUSER LENS AND FIXTURE TO PREVENT THE POSSIBILITY OF THE LENS DETACHING/FALLING!

ROUND DIFFUSER LENS

SQUARE DIFFUSER LENS

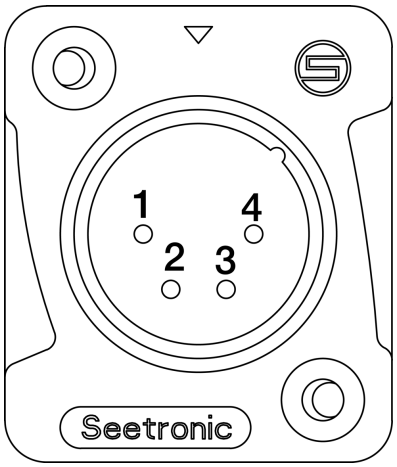
CONNECTIONS AND CABLES

CONNECTIONS

The fixture features IP65 rated 4pin power/data combination input and output connections. The wiring diagram below provides the pin details.

TO MAINTAIN IP65 RATING INTEGRITY AND PREVENT WATER FROM ENTERING THE FIXTURE, ALL UNUSED CONNECTION RUBBER CAPS MUST BE INSERTED/SEALED.

ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.



PIN #1 - (+) Power

PIN #2 - Data

PIN #3 - CLK (clock pin)

PIN #4 - (-) Power

CABLES

ELATION P BAR IP 4pin 16AWG power/data cables are available in various lengths. See Optional Accessories for details.

MAXIMUM CABLE DISTANCES – 16AWG

The following maximum cable distances apply when using 16AWG cables.
PIXEL DRIVER 4000 to 1st PIXEL BAR IP = **Maximum 50 feet (18 meters)**
PIXEL BAR IP to PIXEL BAR IP = **Maximum 32 feet (10 meters)**
Total combined length of cables can NOT exceed = **Maximum 98 feet (30 meters)**

MAXIMUM CABLE DISTANCES – 12AWG

The following maximum cable distances apply when using 12AWG cables.
PIXEL DRIVER 4000 to 1st PIXEL BAR IP = **Maximum 50 feet (18 meters)**
PIXEL BAR IP to PIXEL BAR IP = **Maximum 32 feet (10 meters)**
Total combined length of cables can NOT exceed = **Maximum 213 feet (65 meters)**

L I N K I N G A N D C O N T R O L

LINKING

Maximum pixels/bars each **PIXEL DRIVER 4000™** supports is listed in charts below. Multiple combinations of **PIXEL BAR IP** models can be linked (daisy-chained) together to a single driver port, providing the maximum number of pixels/bars is NOT exceeded.

KLING-NET = 1,020 Max Pixels per PIXEL DRIVER 4000 Port

Art-NET/sACN = 170 Max Pixels per PIXEL DRIVER 4000 Port

MODEL	TOTAL PIXELS	TOTAL CONTROL CHANNELS	KLING-NET 1,020 Max Pixels per Driver Port 4,080 Max Pixels per Driver Unit			
			MAX BARS per DRIVER PORT	MAX PIXELS per DRIVER PORT	MAX BARS per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
PIXEL BAR 30IP	30	90	34	1020	136	4080
PIXEL BAR 60IP	60	180	17	1020	68	4080
PIXEL BAR 120IP	120	360	8	960	32	3840

MODEL	TOTAL PIXELS	TOTAL CONTROL CHANNELS	ART-NET/sACN 170 Max Pixels per Driver Port 680 Max Pixels per Driver Unit			
			MAX BARS per DRIVER PORT	MAX PIXELS per DRIVER PORT	MAX BARS per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
PIXEL BAR 30IP	30	90	5	150	20	600
PIXEL BAR 60IP	60	180	2	120	8	480
PIXEL BAR 120IP	120	360	1	120	4	480

CONTROL

The **PIXEL DRIVER 4000** (sold separately) which supports Kling-NET, Art-NET, and sACN protocols, controls the **PIXEL BAR IPs**. (see PIXEL DRIVER 4000 manual for details)

DMX CHANNEL FUNCTIONS AND VALUES

ELATION PIXEL BAR 30IP / 60IP / 120IP DMX Channel Values / Functions (90 / 180 / 360 DMX Channels)				
PIXEL BAR 30IP	**PIXEL BAR 60IP**	**PIXEL BAR 120IP**	**VALUE**	**FUNCTION**
1	1	1	0-255	RED
2	2	2	0-255	GREEN
3	3	3	0-255	BLUE
4	4	4	0-255	RED
5	5	5	0-255	GREEN
6	6	6	0-255	BLUE
7	7	7	0-255	RED
8	8	8	0-255	GREEN
9	9	9	0-255	BLUE
10	10	10	0-255	RED
11	11	11	0-255	GREEN
12	12	12	0-255	BLUE
13	13	13	0-255	RED
14	14	14	0-255	GREEN
15	15	15	0-255	BLUE
16	16	16	0-255	RED
17	17	17	0-255	GREEN
18	18	18	0-255	BLUE
19	19	19	0-255	RED
20	20	20	0-255	GREEN
21	21	21	0-255	BLUE
22	22	22	0-255	RED
23	23	23	0-255	GREEN
24	24	24	0-255	BLUE
25	25	25	0-255	RED
26	26	26	0-255	GREEN
27	27	27	0-255	BLUE
28	28	28	0-255	RED
29	29	29	0-255	GREEN
30	30	30	0-255	BLUE
31	31	31	0-255	RED
32	32	32	0-255	GREEN
33	33	33	0-255	BLUE
34	34	34	0-255	RED
36	35	35	0-255	GREEN
36	36	36	0-255	BLUE
37	37	37	0-255	RED
38	38	38	0-255	GREEN
39	39	39	0-255	BLUE
40	40	40	0-255	RED
41	41	41	0-255	GREEN
42	42	42	0-255	BLUE
43	43	43	0-255	RED
44	44	44	0-255	GREEN
45	45	45	0-255	BLUE

PIXEL BAR 30IP	PIXEL BAR 60IP	PIXEL BAR 120IP	VALUE	FUNCTION
46	46	46	0-255	RED
47	47	47	0-255	GREEN
48	48	48	0-255	BLUE
49	49	49	0-255	RED
50	50	50	0-255	GREEN
51	51	51	0-255	BLUE
52	52	52	0-255	RED
53	53	53	0-255	GREEN
54	54	54	0-255	BLUE
55	55	55	0-255	RED
56	56	56	0-255	GREEN
57	57	57	0-255	BLUE
58	58	58	0-255	RED
59	59	59	0-255	GREEN
60	60	60	0-255	BLUE
61	61	61	0-255	RED
62	62	62	0-255	GREEN
63	63	63	0-255	BLUE
64	64	64	0-255	RED
65	65	65	0-255	GREEN
66	66	66	0-255	BLUE
67	67	67	0-255	RED
68	68	68	0-255	GREEN
69	69	69	0-255	BLUE
70	70	70	0-255	RED
71	71	71	0-255	GREEN
72	72	72	0-255	BLUE
73	73	73	0-255	RED
74	74	74	0-255	GREEN
75	75	75	0-255	BLUE
76	76	76	0-255	RED
77	77	77	0-255	GREEN
78	78	78	0-255	BLUE
79	79	79	0-255	RED
80	80	80	0-255	GREEN
81	81	81	0-255	BLUE
82	82	82	0-255	RED
83	83	83	0-255	GREEN
84	84	84	0-255	BLUE
85	85	85	0-255	RED
86	86	86	0-255	GREEN
87	87	87	0-255	BLUE
88	88	88	0-255	RED
89	89	89	0-255	GREEN
90	90	90	0-255	BLUE

PIXEL BAR 60IP	PIXEL BAR 120IP	VALUE	FUNCTION
91	91	0-255	RED
92	92	0-255	GREEN
93	93	0-255	BLUE
94	94	0-255	RED
95	95	0-255	GREEN
96	96	0-255	BLUE
97	97	0-255	RED
98	98	0-255	GREEN
99	99	0-255	BLUE
100	100	0-255	RED
101	101	0-255	GREEN
102	102	0-255	BLUE
103	103	0-255	RED
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117	117	0-255	BLUE
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119	119	0-255	GREEN
120	120	0-255	BLUE
121	121	0-255	RED
122	122	0-255	GREEN
123	123	0-255	BLUE
124	124	0-255	RED
125	125	0-255	GREEN
126	126	0-255	BLUE
127	127	0-255	RED
128	128	0-255	GREEN
129	129	0-255	BLUE
130	130	0-255	RED
131	131	0-255	GREEN
132	132	0-255	BLUE
133	133	0-255	RED
134	134	0-255	GREEN
135	135	0-255	BLUE

PIXEL BAR 60IP	PIXEL BAR 120IP	VALUE	FUNCTION
136	136	0-255	RED
137	137	0-255	GREEN
138	138	0-255	BLUE
139	139	0-255	RED
140	140	0-255	GREEN
141	141	0-255	BLUE
142	142	0-255	RED
143	143	0-255	GREEN
144	144	0-255	BLUE
145	145	0-255	RED
146	146	0-255	GREEN
147	147	0-255	BLUE
148	148	0-255	RED
149	149	0-255	GREEN
150	150	0-255	BLUE
151	151	0-255	RED
152	152	0-255	GREEN
153	153	0-255	BLUE
154	154	0-255	RED
155	155	0-255	GREEN
156	156	0-255	BLUE
157	157	0-255	RED
158	158	0-255	GREEN
159	159	0-255	BLUE
160	160	0-255	RED
161	161	0-255	GREEN
162	162	0-255	BLUE
163	163	0-255	RED
164	164	0-255	GREEN
165	165	0-255	BLUE
166	166	0-255	RED
167	167	0-255	GREEN
168	168	0-255	BLUE
169	169	0-255	RED
170	170	0-255	GREEN
171	171	0-255	BLUE
172	172	0-255	RED
173	173	0-255	GREEN
174	174	0-255	BLUE
175	175	0-255	RED
176	176	0-255	GREEN
177	177	0-255	BLUE
178	178	0-255	RED
179	179	0-255	GREEN
180	180	0-255	BLUE

PIXEL BAR 120IP	VALUE	FUNCTION
181	0-255	RED
182	0-255	GREEN
183	0-255	BLUE
184	0-255	RED
185	0-255	GREEN
186	0-255	BLUE
187	0-255	RED
188	0-255	GREEN
189	0-255	BLUE
190	0-255	RED
191	0-255	GREEN
192	0-255	BLUE
193	0-255	RED
194	0-255	GREEN
195	0-255	BLUE
196	0-255	RED
197	0-255	GREEN
198	0-255	BLUE
199	0-255	RED
200	0-255	GREEN
201	0-255	BLUE
202	0-255	RED
203	0-255	GREEN
204	0-255	BLUE
205	0-255	RED
206	0-255	GREEN
207	0-255	BLUE
208	0-255	RED
209	0-255	GREEN
210	0-255	BLUE
211	0-255	RED
212	0-255	GREEN
213	0-255	BLUE
214	0-255	RED
215	0-255	GREEN
216	0-255	BLUE
217	0-255	RED
218	0-255	GREEN
219	0-255	BLUE
220	0-255	RED
221	0-255	GREEN
222	0-255	BLUE
223	0-255	RED
224	0-255	GREEN
225	0-255	BLUE

PIXEL BAR 120IP	VALUE	FUNCTION
226	0-255	RED
227	0-255	GREEN
228	0-255	BLUE
229	0-255	RED
230	0-255	GREEN
231	0-255	BLUE
232	0-255	RED
233	0-255	GREEN
234	0-255	BLUE
235	0-255	RED
236	0-255	GREEN
237	0-255	BLUE
238	0-255	RED
239	0-255	GREEN
240	0-255	BLUE
241	0-255	RED
242	0-255	GREEN
243	0-255	BLUE
244	0-255	RED
245	0-255	GREEN
246	0-255	BLUE
247	0-255	RED
248	0-255	GREEN
249	0-255	BLUE
250	0-255	RED
251	0-255	GREEN
252	0-255	BLUE
253	0-255	RED
254	0-255	GREEN
255	0-255	BLUE
256	0-255	RED
257	0-255	GREEN
258	0-255	BLUE
259	0-255	RED
260	0-255	GREEN
261	0-255	BLUE
262	0-255	RED
263	0-255	GREEN
264	0-255	BLUE
265	0-255	RED
266	0-255	GREEN
267	0-255	BLUE
268	0-255	RED
269	0-255	GREEN
270	0-255	BLUE

PIXEL BAR 120IP	VALUE	FUNCTION
271	0-255	RED
272	0-255	GREEN
273	0-255	BLUE
274	0-255	RED
275	0-255	GREEN
276	0-255	BLUE
277	0-255	RED
278	0-255	GREEN
279	0-255	BLUE
280	0-255	RED
281	0-255	GREEN
282	0-255	BLUE
283	0-255	RED
284	0-255	GREEN
285	0-255	BLUE
286	0-255	RED
287	0-255	GREEN
288	0-255	BLUE
289	0-255	RED
290	0-255	GREEN
291	0-255	BLUE
292	0-255	RED
293	0-255	GREEN
294	0-255	BLUE
295	0-255	RED
296	0-255	GREEN
297	0-255	BLUE
298	0-255	RED
299	0-255	GREEN
300	0-255	BLUE
301	0-255	RED
302	0-255	GREEN
303	0-255	BLUE
304	0-255	RED
305	0-255	GREEN
306	0-255	BLUE
307	0-255	RED
308	0-255	GREEN
309	0-255	BLUE
310	0-255	RED
311	0-255	GREEN
312	0-255	BLUE
313	0-255	RED
314	0-255	GREEN
315	0-255	BLUE

PIXEL BAR 120IP	VALUE	FUNCTION
316	0-255	RED
317	0-255	GREEN
318	0-255	BLUE
319	0-255	RED
320	0-255	GREEN
321	0-255	BLUE
322	0-255	RED
323	0-255	GREEN
324	0-255	BLUE
325	0-255	RED
326	0-255	GREEN
327	0-255	BLUE
328	0-255	RED
329	0-255	GREEN
330	0-255	BLUE
331	0-255	RED
332	0-255	GREEN
333	0-255	BLUE
334	0-255	RED
335	0-255	GREEN
336	0-255	BLUE
337	0-255	RED
338	0-255	GREEN
339	0-255	BLUE
340	0-255	RED
341	0-255	GREEN
342	0-255	BLUE
343	0-255	RED
344	0-255	GREEN
345	0-255	BLUE
346	0-255	RED
347	0-255	GREEN
348	0-255	BLUE
349	0-255	RED
350	0-255	GREEN
351	0-255	BLUE
352	0-255	RED
353	0-255	GREEN
354	0-255	BLUE
355	0-255	RED
356	0-255	GREEN
357	0-255	BLUE
358	0-255	RED
359	0-255	GREEN
360	0-255	BLUE

TECHNICAL SPECIFICATIONS

SOURCE

0.2W SMD RGB 3-in-1 LEDs
Color Resolution: 8 bits per color (24 bit per pixel)
Viewing Angle: 120 X 120 degrees
Pixels Per Meter: 60 pixels
Pixel Pitch (pixel center-to-center): 16mm
PWM (Pulse Width Modulation): 44,000Hz

CONNECTIONS

4pin Power/Data In/Out

MAX POWER CONSUMPTION

PIXEL BAR 30IP – 6W
PIXEL BAR 30IP – 12W
PIXEL BAR 30IP – 24W

DIMENSIONS / WEIGHT	LENGTH	WIDTH	VERTICAL HEIGHT	WEIGHT
PIXEL BAR 30IP - NO LENS COVER	19.2" (488mm)	1.3" (34mm)	3.3" (83mm)	1.5 lbs. (0.7kg)
PIXEL BAR 30IP - SQUARE LENS	19.3" (490mm)	1.4" (35.5mm)	3.9" (101mm)	1.6 lbs. (0.72kg)
PIXEL BAR 30IP - ROUND LENS	19.3" (490mm)	1.4" (35.5mm)	3.9" (101mm)	1.6 lbs. (0.72kg)
PIXEL BAR 60IP - NO LENS COVER	38.0" (967mm)	1.3" (34mm)	3.3" (83mm)	2.6 lbs. (1.2kg)
PIXEL BAR 60IP - SQUARE LENS	38.2" (970mm)	1.4" (35.5mm)	3.9" (101mm)	2.7 lbs. (1.22kg)
PIXEL BAR 60IP - ROUND LENS	38.2" (970mm)	1.4" (35.5mm)	3.9" (101mm)	2.7 lbs. (1.22kg)
PIXEL BAR 120IP - NO LENS COVER	75.9" (1928mm)	1.3" (34mm)	3.3" (83mm)	4.4 lbs. (2.0kg)
PIXEL BAR 120IP - SQUARE LENS	76.0" (1930mm)	1.4" (35.5mm)	3.9" (101mm)	4.5 lbs. (2.04kg)
PIXEL BAR 120IP - ROUND LENS	76.0" (1930mm)	1.4" (35.5mm)	3.9" (101mm)	4.5 lbs. (2.04kg)

APPROVALS / RATINGS

CE | IP65

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

O P T I O N A L A C C E S S O R I E S

ORDER CODE	ITEM DESCRIPTION
PIX200	PIXEL BAR 30IP
PIX225	PIXEL BAR 60IP
PIX253	PIXEL BAR 120IP
PIX277	PIXEL DRIVER 4000
PIX300	P BAR IP 0.6m (2ft) 16AWG Cable
PIX313	P BAR IP 1m (3ft) 16AWG Cable
PIX326	P BAR IP 1.5m (5ft) 16AWG Cable
PIX339	P BAR IP 3m (10ft) 16AWG Cable
PIX352	P BAR IP 3.5m (12ft) 16AWG Cable
PIX365	P BAR IP 4.5m (15ft) 16AWG Cable
PIX378	P BAR IP 6m (20ft) 16AWG Cable
PIX391	P BAR IP 7.5m (25ft) 16AWG Cable
PIX411	P BAR IP 9m (30ft) 16AWG Cable
PIX424	P BAR IP 15m (50ft) 16AWG Cable
PIX450	P BAR IP MALE Cable Connector
PIX452	P BAR 30IP Replacement Clear Lens
PIX462	P BAR 30IP Rounded Frost Lens
PIX463	P BAR IP FEMALE Cable Connector
PIX471	P BAR 30IP Square Frost Lens
PIX483	P BAR 60IP Replacement Clear Lens
PIX494	P BAR 60IP Rounded Frost Lens
PIX502	P BAR 60IP Square Frost Lens
PIX515	P BAR 120IP Replacement Clear Lens
PIX526	P BAR 120IP Rounded Frost Lens
PIX537	P BAR 120IP Square Frost Lens