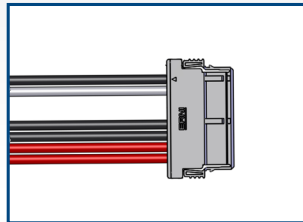


Harnesses & Connectors

for LumiBright™ and Aurora™ Products

Innovations in Optics offers several options in power connectors allowing our customers complete assurance for the best performance of our products.



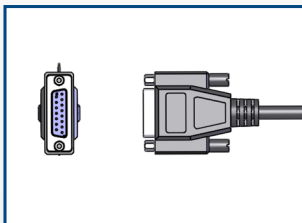
3150A-001 thru -006, 8 pin connector

- Light Engines, Tapers, Boards
- Projectors, Fiber Coupled Devices
- See Figure 1 for pinout drawing

**Image Coming
Soon**

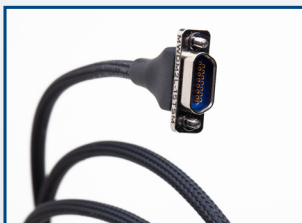
3160A-002, 30 position connector

- Light Engines, Tapers, Projectors
- Robust, 20 gauge leads



3170A-001-, 15 position connector

- Aurora Classic
- Aurora Classic High Power
- See Figure 3 for pinout drawing



Custom connectors

- Connectors to fit your custom products
- Contact your Sales Engineer for details

Refer to Tables 1, 2, 3 for ordering information *** Refer to Figure 4 for additional accessories



HARNESSES AND CONNECTORS

PART NUMBER 3150A SERIES

Table 1

Harness number for LumiBright 1 - 3 channel products	For reference only		
	# Channels	Photosensor	Max Current
3150A-001	1		30A (15A per pin)
3150A-002	2		15A (Total/All channels)
3150A-003	3		15A (Total/All channels)
3150A-004	1	P	30A (15A per pin)
3150A-005	2	P	15A (Total/All channels)
3150A-006	3	P	15A (Total/All channels)
EXAMPLE: 3150A-005			
* Speak to our Sales Engineer for custom harnesses			

PART NUMBER 3160A SERIES

Table 2

Harness number for LumiBright 1 - 16 channel products	Choose Options		For reference only
	# Channels	Photosensor	Max Current
3160A-002	1 thru 16	P	60A Total/All channels*
EXAMPLE: 3160A-002-9-P			*Max per channel dependent on configuration/Limited by 10 common anodes
* Speak to our Sales Engineer for custom harnesses			

PART NUMBER 3170A SERIES

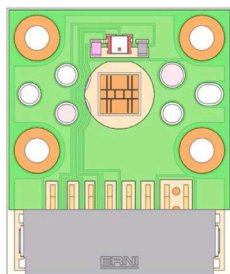
Table 3

Harness number for Aurora Linesource products	Choose Options		For reference only
	# Channels	Photosensor	Max Current
3170A-001	N/A	P	3A
EXAMPLE: 3170A-001			
* Speak to our Sales Engineer for custom harnesses			

3150A SERIES PINOUT DRAWING

Figure 1

LUMIBRIGHT PIN OUT INFORMATION



STANDARD		
1		GROUND
2		THERMISTOR
3	OPTIONAL	V _{CC}
4	OPTIONAL	PHOTOSENSOR
5		CATHODE
6		CATHODE
7		ANODE
8		ANODE

2-CHANNEL		
1		GROUND
2		THERMISTOR
3	OPTIONAL	V _{CC}
4	OPTIONAL	PHOTOSENSOR
5		CATHODE LED1
6		CATHODE LED2
7		
8		ANODE COMMON

3-CHANNEL		
1		GROUND
2		THERMISTOR
3	OPTIONAL	V _{CC}
4	OPTIONAL	PHOTOSENSOR
5		CATHODE LED1
6		CATHODE LED2
7		CATHODE LED3
8		ANODE COMMON

3160A SERIES PINOUT DRAWING

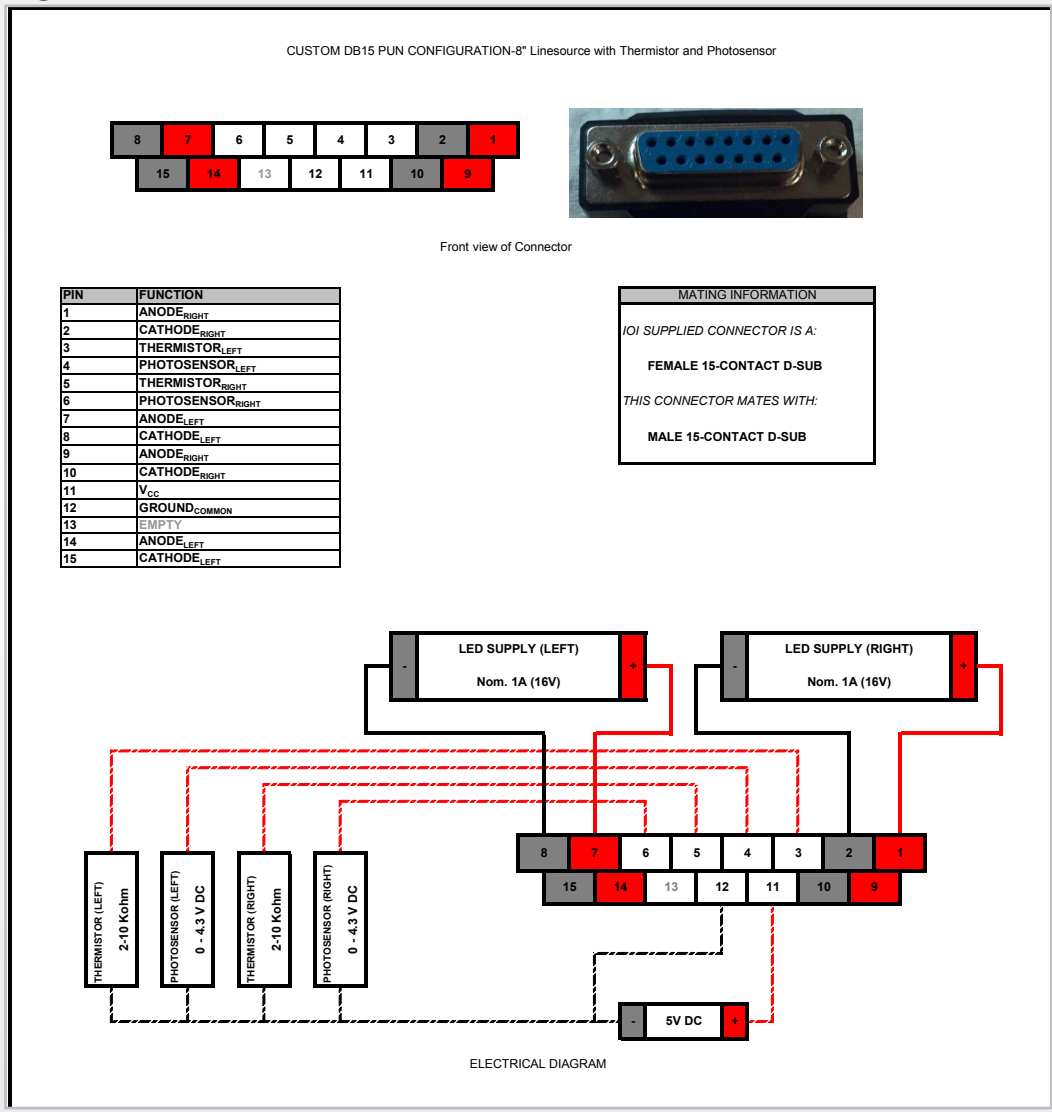
Figure 2

Connector Mapping

Sensor Block		Anode Block 2		Cathode Block								Anode Block 1		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Photo-Out	V _{CC}	Anode	Anode	Die	Die	Die	Die	Die	Die	Die	Die	Anode	Anode	Anode
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GND	Therm. 2	Anode	Anode	Die	Die	Die	Die	Die	Die	Die	Die	Anode	Anode	Anode
BOARD EDGE/ LOCKING FEATURE														


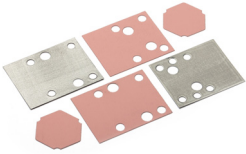
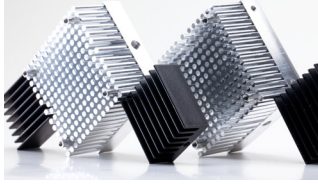

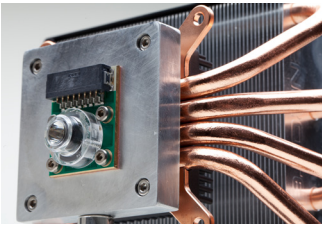
3170A SERIES PINOUT DRAWING

Figure 3



ACCESSORIES

Figure 4

		
Cooling Fans	Thermal Pads	Heat Sinks
		
LumiBright DR Driver/ Controller	Heat Pipes	

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