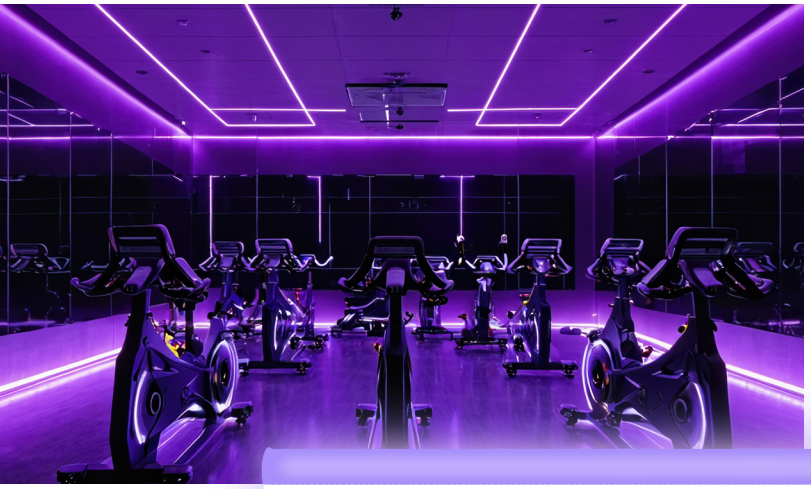
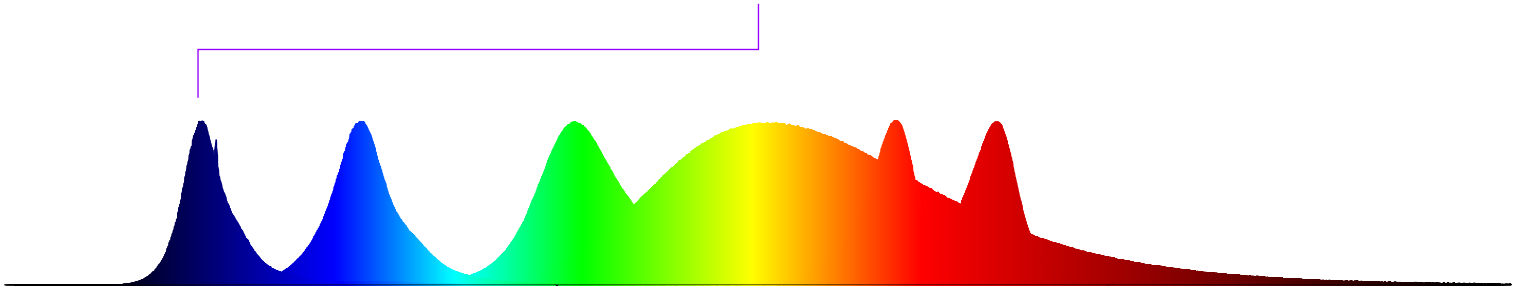
COLOR PALETTE™ X
RemPhos®

LINKABLE BAR / LBI PALETTE
PRECISION WAVELENGTH SELECTION



LBI PALETTE IS A LINKABLE LED BAR W/ AN INTERNAL DRIVER DELIVERING PRECISION WAVELENGTH SELECTION.
Connect up to 40 (160 FT) from one power feed.* Sleek fixture w/ protective housing and control-ready for seamless integration w/ the same seamless linking technology and accessories as our traditional LBI.



VIOLET LIGHT IS USED IN APPLICATIONS TO GENERATE ENHANCED CONTRAST OR DYNAMIC DISPLAYS AND ENVIRONMENTS — ILLUMINATE YOUR RESORTS AND ENTERTAINMENT AREAS W/ THE **VIOLET** LBI.

10 YEAR WARRANTY

120-277V — 240-347V FOR CANADA ONLY

<20% THD, >0.9 — PWR FACTOR/THD

0-10V DIM TO OFF — SENSOR READY

OPTIONAL NETWORK LIGHTING CONTROL

OPTIONAL SIMPLE OCC

120° — BEAM ANGLE

EMG — OPTIONAL EMG BATTERY BACKUP

-13°F TO 140°F — OPERATING TEMP

PART #	LUMENS	WATTAGE	CCT	DIMENSIONS
RP-LBI-G2-2F-6W-BLU-WC-VLT	15-300	FLEXWATT **6W**/8W/10W/12W	**BLUE** / VIOLET	**19.3" x 1.2" x 1.2"**
RP-LBI-G2-4F-25W-BLU-WC-VLT	30-600	FLEXWATT 12W/15W/20W/**25W**		**43.3" x 1.2" x 1.2"**

FACTORY SET WATTAGE AND CCT ARE SHOWN IN BOLD (EACH BAR CONTAINS 2 COLOR OPTIONS)

* CONNECT UP TO 30 4 FT UNITS TOGETHER @ 120VAC OR 40 4 FT UNITS @ 277VAC.

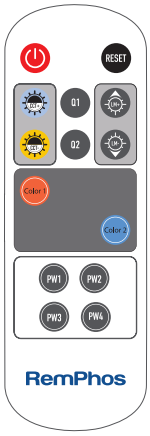
THE LISTED APPLICATIONS ARE PROVIDED IN GOOD FAITH BASED ON COMMON PRACTICES AS DERIVED FROM OUR RESEARCH AND PROFESSIONAL INPUT FROM CUSTOMERS. FOR HEALTH AND SAFETY APPLICATIONS FOR YOUR BUILDING AND/OR PERSONAL USE, ALWAYS CONSULT EXPERTS AND DO RESEARCH TO DETERMINE IF THIS IS THE CORRECT SOLUTION FOR YOU PRIOR TO PURCHASING. WE ARE NOT RESPONSIBLE FOR MISAPPLICATION.

HEADQUARTERS & TRAINING CENTER • Cary, IL | **INNOVATION & MANUFACTURING CENTER** • Middleton, MA
847.380.3540 • led-llc.com • sales@led-llc.com

Light Efficient Design

08.31.26 Information is subject to change without notice.

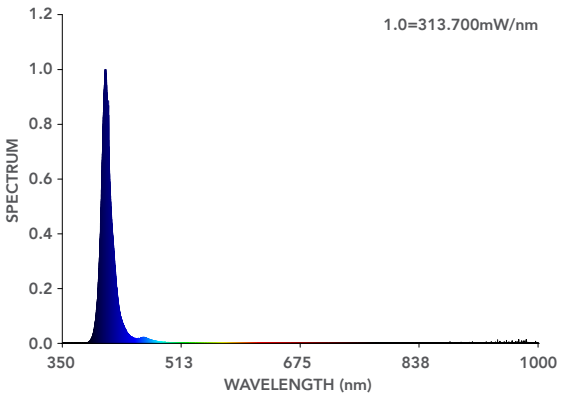
8 SKUs in 1 WITH FLEXWATT™ & COLOR PALETTE TECHNOLOGY (CONTROLLABLE FROM REMOTE)



2 FT			
Color 1	BLUE	Color 2	VIOLET
PW1	6W	PW2	8W
PW3	10W	PW4	12W

4 FT			
Color 1	BLUE	Color 2	VIOLET
PW1	10W	PW2	15W
PW3	20W	PW4	25W

SPECTRUM CHART



COLOR PARAMETERS

CHROMATICITY COORDINATE
x=0.1668 **y**=0.0153/u′=0.2340 v′=0.0484

DOMINANT WL
Ld=440.0nm **Purity**=98.6%

RATIO
R=1.2% **G**=27.6% **B**=71.2%

PEAK WL
Lp=409.2nm **FHWM**=13.7nm

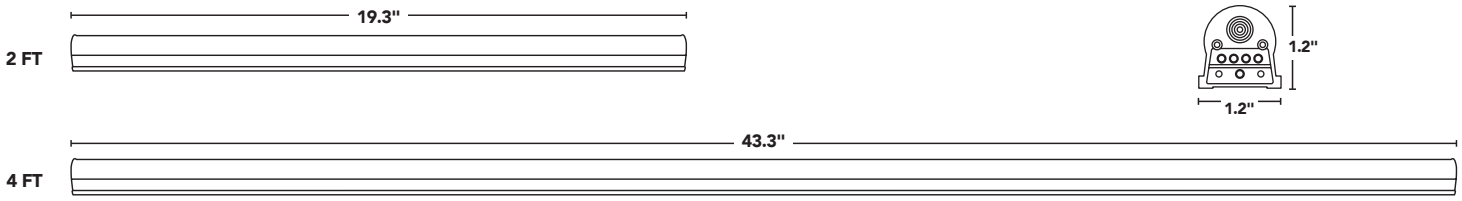
RENDER INDEX
Ra=0.0 **CRI**=0.0 **AvgR**=2.9
R1=0 **R2**=0 **R3**=0 **R4**=0 **R5**=0
R6=0 **R7**=0 **R8**=0 **R9**=0 **R10**=0
R11=0 **R12**=0 **R13**=0 **R14**=0 **R15**=43

ELECTRICAL PARAMETERS

V=121.70V **I**=201.3A **P**=24.34W **PF**=0.9930

PHOTO PARAMETERS

FLUX=29.24lm **EFFICACY**=1.20lm/W **FE**=5.592W



CONTROL OPTIONS

SIMPLE LIGHTING CONTROLS		NETWORK LIGHTING CONTROLS		
RP-LBI-OC2-A IN-LINE MICROWAVE OCCUPANCY AND DAYLIGHT HARVESTING SENSOR IR23 REMOTE	**RP-LBI-PIR-A** IN-LINE PASSIVE INFRARED OCCUPANCY AND DAYLIGHT HARVESTING SENSOR IR23 REMOTE	**RP-LBI-BLE-OC** IN-LINE SILVAIR™ BLUETOOTH MICROWAVE MOTION AND DAYLIGHT HARVESTING SENSOR SILVAIR APP	**RP-LBI-BLE-A** IN-LINE SILVAIR™ BLUETOOTH CONTROL NODE SILVAIR APP	**RP-LBI-BLE-PIR-A** IN-LINE SILVAIR™ BLUETOOTH PASSIVE INFRARED MOTION AND DAYLIGHT HARVESTING SENSOR SILVAIR APP

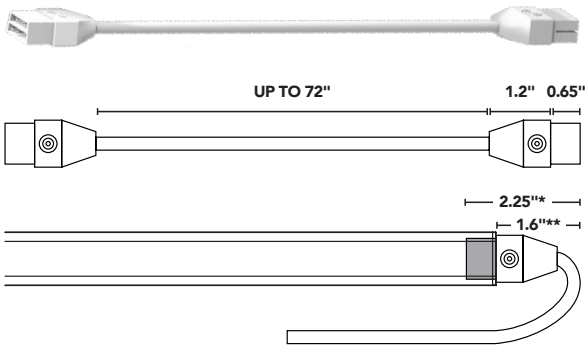
Light Efficient Design/RemPhos has partnered with Silvair to offer fixtures & retrofits w/ a wireless Bluetooth-mesh eco-system. Silvair is listed on the DLC NLC QPL certified to Technical Requirements Version 5.1. Our Silvair controls meet all eligibility criteria of integral, fixture-mounted, addressable sensors with motion and photocell/ambient light-sensing capabilities, along with embedded programming that can be configured and networked. System can control motion response, illumination levels, and scheduling.

DEFAULT OCC SENSOR SETTINGS

SENSITIVITY	DAYLIGHT SENSOR	HOLD TIME	TWILIGHT TIME	TWILIGHT LEVEL
100%	DISABLED	5 MIN	+ ∞	30%

LINKING CABLES + CONNECTORS

PART #			DIMENSIONS
3IN	**6IN**	**12IN**	
RP-LBI-LC-3IN-DIM-10P RP-LBI-LC-3IN-NODIM-10P	RP-LBI-LC-6IN-DIM-10P RP-LBI-LC-6IN-NODIM-10P	RP-LBI-LC-12IN-DIM-10P RP-LBI-LC-12IN-NODIM-10P	
18IN	**24IN**	**36IN**	
RP-LBI-LC-18IN-DIM-10P RP-LBI-LC-18IN-NODIM-10P	RP-LBI-LC-24IN-DIM-10P RP-LBI-LC-24IN-NODIM-10P	RP-LBI-LC-36IN-DIM-10P RP-LBI-LC-36IN-NODIM-10P	
48IN	**60IN**	**72IN**	
RP-LBI-LC-48IN-DIM-10P RP-LBI-LC-48IN-NODIM-10P	RP-LBI-LC-60IN-DIM-10P RP-LBI-LC-60IN-NODIM-10P	RP-LBI-LC-72IN-DIM-10P RP-LBI-LC-72IN-NODIM-10P	



CABLE DIAMETER: 7.25MM / 0.28 INCH

* MIN DISTANCE NEEDED TO UNPLUG CABLE FROM BAR ** MIN DISTANCE NEEDED TO FIT TO WALL/SURFACE

PART #	DESCRIPTION	
RP-LBI-G1-IP-3F-DIM	**3 FT INCOMING POWER KIT** **INCOMING POWER CABLE / PIGTAIL + SERVICE DISCONNECT W/ ABRASION PROTECTION GROMMET** USED TO HARDWIRE THE INCOMING POWER CABLE INTO FIXTURE OR JUNCTION BOX.	 CABLE LENGTH: 3 FT CABLE DIAMETER: 7.25MM / 0.28 INCH
RP-LBI-G1-IP-2F-120V-SW RP-LBI-G1-IP-7F-120V-SW	**INCOMING POWER CABLE W/ SWITCH** **2 FT AND 7 FT LENGTHS AVAILABLE** SIMPLE DIRECT CONNECTION TO A STANDARD RECEPTACLE W/ OUT JUNCTION BOX HARDWIRING. PLUG-AND-PLAY CABLE W/ A 5-15P GROUNDED PLUG FOR 120V OUTLETS, ON/OFF SWITCH AND PRE-WIRED FLEXIBLE CABLE.	
RP-LBI-SSC-DIM-10P RP-LBI-SSC-NODIM-10P	**SEAMLESS CONNECTOR** AVAILABLE FOR DIMMIMG AND NON-DIMMING APPLICATIONS.	 DIM NODIM
RP-LBI-SRC-4.7IN	**4.7-INCH SPACER CONNECTOR** USE THE 4.7IN SPACER CONNECTOR TO BRING THE LENGTH OF THE BAR SYSTEM TO A STANDARD DIMENSION (24IN, 36IN, 48IN). DOES NOT ILLUMINATE.	
RP-LBI-SMM-10P	**SURFACE MOUNT MAGNETIC CLIP** THE MOUNTING TABS THAT EXTEND PERPENDICULARLY FROM THE LIGHT BAR CAN BE EASILY REMOVED BY BENDING AND BREAKING ON THE PRE-SCORED LINE. NOT INTENDED FOR PERMANENT INSTALLATION WITH MAGNETS ONLY. 2 SURFACE MOUNT KITS INCLUDED WITH EACH LBI.	
RP-LBI-SIL-KIT-10P	**SUSPENDED IN-LINE KIT** THE COMPLETE KIT INCLUDES: SUSPENDED IN-LINE BRACKET, AIRCRAFT CABLE (9.8 FT), ADJUSTABLE CABLE GRIPPER, AND A CEILING ANCHOR.	
RP-LBI-SIL-BRACKET-10P 10 PACK ONLY	**SUSPENDED IN-LINE BRACKET** THE SUSPENDED IN-LINE BRACKET (BRACKET ONLY) IS A WIDE CLIP THAT FASTENS OVER THE JUNCTION BETWEEN (2) LBI LIGHT BARS TO KEEP THEM STRAIGHT IN LINE.	

PART #	DESCRIPTION
RP-LBI-T1516-10P RP-LBI-T1516-90-10P 10 PACK ONLY	**T-BAR CLIPS** RP-LBI-T1516-10P (PARALLEL – DIRECTLY UNDER THE T-BAR – 10 PACK) RP-LBI-T1516-90-10P (PERPENDICULAR – ACROSS THE BAR – 10 PACK)
RP-LBI-BLC-10P 10 PACK ONLY	**BLADE CLIP** THE ROTATING MOUNTING BLADE PROVIDES A DEGREE OF FREEDOM TO ALIGN THE MOUNTING HOLES ON THE BLADE WITH FASTENING LOCATIONS THAT MAY NOT BE IN LINE WITH THE LIGHT BAR.
RP-LBI-UDC-10P 10 PACK ONLY	**UP/DOWN CLIP** USE THE UP/DOWN CLIP WITH OUR SUSPENDED IN-LINE KIT TO CLIP A SHORTER BAR TO PROVIDE UP-LIGHT.
RP-LBI-JBOX-1.5X4	**LBI JUNCTION BOX** THE LBI JUNCTION BOX IS USED TO CONNECT LBI WIRING TO BRANCH CIRCUITS. CONNECTIONS ARE MADE FROM THE LBI JUNCTION BOX TO THE LIGHT BAR USING A SEAMLESS CONNECTOR AND LINKING CABLE. KIT INCLUDES 1 PC. RP-LBI-SSC-DIM
RP-LBI-G1-IP-90DEG-12F-DIM	**12 FT 90° INCOMING POWER CABLE** USE THE 90° INCOMING POWER CABLE FOR AN EASY AND CLEAN CONNECTION TO SUSPENDED LBI FIXTURES.
RP-LBI-G2-OUTPUT-CAP-10P 10 PACK ONLY	**OUTPUT CAP** POWER AND CONTROL TERMINATION PLUG FOR THE LBI LINKING CONNECTOR.
RP-LBI-45DEG	**45° BRACKET** 45° BRACKET FOR COVE LIGHTING OR DISPLAYS. WORKS W/ INCLUDED LBI MOUNTING CLIPS.

LINKING QUANTITY

	120V	208V	240V	277V
4 FT	30 BARS	40 BARS	40 BARS	40 BARS
3 FT	40 BARS	40 BARS	40 BARS	40 BARS
2 FT	40 BARS	40 BARS	40 BARS	40 BARS

LINKING POSSIBILITIES

- Linking cables will lower connectable quantities.
- The linking numbers are based on using the LBI Junction box and connected end to end.
- If linking cables are used when powered on 120VAC, linking number is reduced to 24pcs.
- Linking does not include 0-10V linked control. This will depend on the controlling device.

To order for continuous runs, please order "1 Bar Kits" + required accessory connectors (sold separately).
Connect up to 40 light bars on one incoming power feed. (Check linking chart for voltage specific linking quantity).