

## HELIX G4 HIGH BAY



ATG's Helix High Bay is ideally deployed for use in distribution centers, manufacturing facilities, and large retail facilities with ceilings of 20 to 40 feet. Pairing high efficacy LED performance with a range of shroud and lens options, Helix High Bay will deliver top quality illumination and aesthetics to modern interior applications.

Product Specs	
Input Voltage (VAC)	100-277 / 347-480
CCT (K)	3500, 4000, 5000
PF	.9
Limited Warranty	10 Years
CRI	80+
Color**	Black, Custom
Housing	Aluminum Alloy, Tempered Glass Cover
Dimming	0-10V Dimming (0% to 100%)
THD	<20%
Temperature Range	-40° C to 55° C

\*3500K not listed on DLC. Please contact sales team for stock information.

\*\*Please contact sales team for lead time and pricing on custom finish.

Project Details		Type
Project:		
Product:		
Prepared by:		
Notes:		

APPLICATIONS	
Application	Warehouse Lighting
Fixture Type	Round HighBay
Office and Meeting Space	X
Educational Facilities	X
Industrial and Distribution	X
Hospital and Healthcare Facilities	X
Garage and Parking Lot	
Parks and Recreation	

**ENABLED:** Bluetooth DLC TruBIU SILVAIR

### CERTIFICATIONS AND COMPATIBILITIES

### ORDER FORMAT

Series	Wattage	CCT	Voltage	Gen	Finish	Sensor*	EM*	Accessories**
HBUF	100W=100W 150W=150W 200W=200W 240W=240W 100P=100W/80W/60W Selectable 150P=150W/120W/90W Selectable 200P=200W/160W/120W Selectable 240P=240W/190W/140W Selectable	35=3500K 40=4000K 50=5000K	Blank=120-277VAC V=347-480VAC	G4=Gen 4	B=Black W=White	SQ	EA EB	RQ WG PMK SRDP SRDA LLLC LALC

\*See more details in CONTROL, OPTIONS AND ACCESSORIES sheet.

\*\*Order separately. See more details in CONTROL, OPTIONS AND ACCESSORIES sheet.

☆ Contact sales team for more details about NLC products. See more details in CONTROL, OPTIONS AND ACCESSORIES sheet.

control & EM (can be pre-installed)	Mounting
SQ=HB01DMS, Microwave Sensor for Helix G4, 12VDC	PMK=PMK-HBUF-G4, Pendant Mount Kit
SQ=HB03R, Remote for HB01DMS	SRDP=SRD-HBUF-G4-D90, Poly Carbonate Shroud for 100W-240W, 90°
EA=EMUFO-25170, EM Kit, 25W, Lithium Battery	SRDA=SRD-HBUF-G4-D90-A1, Aluminum Shroud for 100W-150W, 90°
EB=EMUFO-40170, EM Kit, 40W, Lithium Battery	WG=WG-HBUF-G4, Wire Guard for 100W-240W

## INFORMATION FOR LIGHTING CONTROLS APPLICATIONS

<p><b>LLLC - Luminaire Level Lighting Control (Mesh Network)</b></p> <p><b>LLLC</b></p>	<p><b>LALC - Local Area Lighting Control (Circuit Level)</b></p> <p><b>LALC</b></p>	<p><b>SAFC - Stand Alone Fixture Control</b></p> <p><b>SAFC</b></p>
		<p>*possibly rebated on fixture only</p>
<p>Control-luminaire groupings typified by needs to a space or user, coordinated via wireless signals, executed at each luminaire. LLLC and networked solutions are highlighted by ability to operate independently or in mesh coordination. Note: they are not related by a power circuit.</p>	<p>LALC solutions are highlighted by their “many to one” arrangements. This can save on hardware costs with minimal labor increases. Characteristically they are linked (related) by power or control wires.</p>	<p>SAFC solutions have sensors that typically only detect and individually control a single fixture. Characteristically they have A) 1:1 sensor to fixture relationship; B) sensor integrally wired and/or affixed to fixture; C) Likely to have physical settings on the sensor, but may have hand held program tool.</p>

## CONTROLS, OPTIONS, AND ACCESSORIES ↓ CLICKABLE LINKS ↓

### LLLC - LUMINAIRE LEVEL LIGHTING CONTROL (MESH NETWORK)

Code	Description	Model Number
W6S	Sensor Occupancy, Microwave, 12-24Vdc	<a href="#">PSC-BL-M-FM-DC0-BLE-SR/S</a>
W10	PIR Occupancy Sensor w/0-10V DIM and Relay Drive Output, 12-24Vdc IP65	<a href="#">PSC-ZKV-I-100-BLE-SR</a>
W10R	Receptacle for W10	<a href="#">PSC-ZKV-R1T</a>
W11	Controller, 0-10V Mesh, 12-24Vdc, IP65	<a href="#">PSC-ZKV-WCM-100-BLE-SR</a>
J1	Splice Box, Double Gang, Polymer, McMaster-Carr	<a href="#">7360K591</a>

### LALC - LOCAL AREA LIGHTING CONTROL (CIRCUIT LEVEL)

Code	Description	Model Number
WR6	Sensor Occupancy, Microwave, 12-24Vdc	<a href="#">PSC-BL-M-FM-DC0-BLE-SR/R</a>
P2	Dimming Power Pack, Fixture Mount, 120-277Vac Input, 12.5Vdc Output/10A	<a href="#">PSC-AC-PP-200</a>
J1	Splice Box, Double Gang, Polymer, McMaster-Carr	<a href="#">7360K591</a>

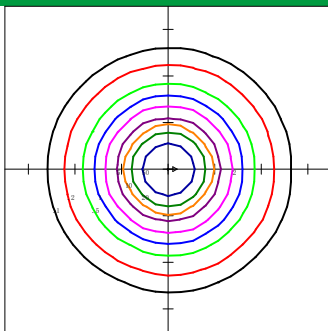
### SAFC - STAND ALONE FIXTURE CONTROL

Code	Description	Model Number
SQ	Microwave Motion Sensor for G4 Helix Highbay, 12VDC	HB01DMS
RQ	Remote Control for HB01DMS	HB03R

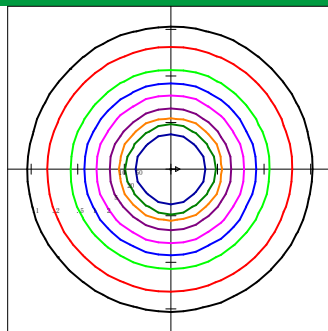
### ACCESSORIES

Code	Description	Model Number
PMK	Pendant Mount Kit for G4 Helix Highbay	PMK-HBUF-G4
SRDP	PC Shroud for 100W-240W G4 Helix Highbay, 90 degree	SRD-HBUF-G4-D90
SRDA	Aluminum Shroud for G4 Helix Highbay, 90 degree	SRD-HBUF-G4-D90A
SRBC	Bottom Cover for PC Shroud	SRD-HBUF-G4-BC
WG	Wire Guard for 100W-240W G4 Helix Highbay	WG-HBUF-G4
EA	Emergency Battery Backup, 25W Output, 100/347Vac for 100W and 150W HB	EMUFO-25170-YY
EB	Emergency Battery Backup, 40W Output, 100/347Vac for 200W and 240W HB	EMUFO-40170-YY

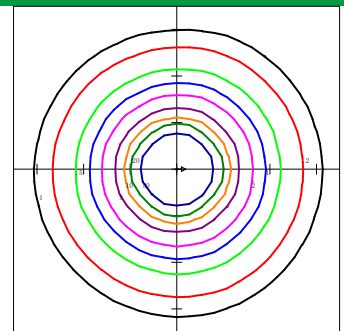
## COVERAGE



HBUF-100W-40-G4-B FIXED



HBUF-200W-40-G4-B FIXED



HBUF-240W-40-G4-B FIXED

## APPLICATION

The luminaire can be mounted by cable, bracket, or pendant\*. Maximum recommended installation height for the Helix High Bay is 40 ft. The slim profile allows for exceptionally versatile placement compared to traditional high bays.

\*pendant kit available, pole not included



## CONSTRUCTION

The Helix High Bay G3's housing is formed from cast and extruded aluminum. Our streamlined manufacturing process delivers a more versatile product with a superior value proposition. The fixture is manufactured with heavy gauge aluminum enclosure to provide efficient heat dissipation.



## LUMENS CHART

Catalog Number	3500K			4000K			5000K		
	Watts (W)	Efficacy (LM/W)	Lumens (LM)	Watts (W)	Efficacy (LM/W)	Lumens (LM)	Watts (W)	Efficacy (LM/W)	Lumens (LM)
HBUF-100P(Ajustable)	100	148.0	14800	100	156.0	15600	100	152.0	15200
	80	149.0	11920	80	157.0	12560	80	153.0	12240
	60	150.0	9000	60	159.0	9540	60	154.0	9240
HBUF-150P(Ajustable)	150	146.0	21900	150	152.0	22800	150	150.0	22500
	120	147.0	17640	120	153.0	18360	120	151.0	18120
	90	148.0	13320	90	155.0	13950	90	152.0	13680
HBUF-200P(Ajustable)	200	142.0	28400	200	146.0	29200	200	145.0	29000
	160	143.0	22880	160	147.0	23520	160	146.0	23360
	120	144.0	17280	120	149.0	17880	120	147.0	17640
HBUF-240P(Ajustable)	240	140.0	33600	240	144.0	34560	240	142.0	34080
	190	141.0	26790	190	145.0	27550	190	143.0	27170
	140	142.0	19880	140	147.0	20580	140	146.0	20440

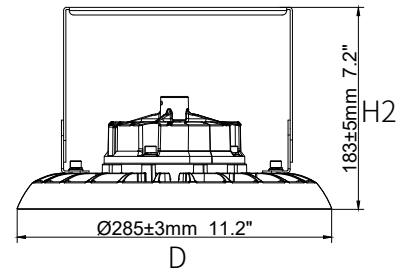
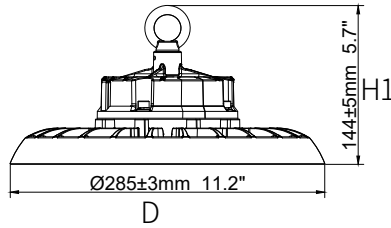
\*All based on extrapolated data.

## PROJECTED LUMEN MAINTENANCE

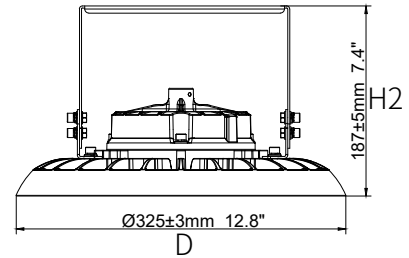
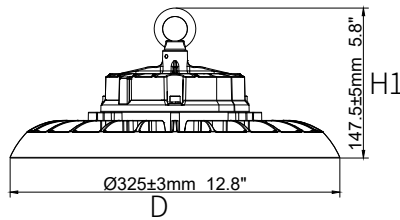
Ambient Test Temp	Reported Hrs	0 Hrs	25,000 Hrs	50,000Hrs	TM-21-11 50,000 Hrs	100,000 Hrs	L70 Hrs
25° C / 77° F	>54,000	1	0.935	0.876	0.867	0.7693	136,000

## DIMENSIONS

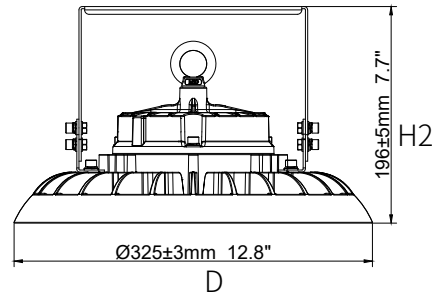
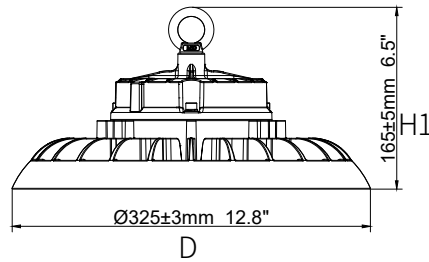
100W&150W Fixed  
100P&150P Adjustable



200W Fixed  
200P Adjustable



240W Fixed  
240P Adjustable



PART NO.	WATTAGE	DIAMETER (D)	HEIGHT (H1)	HEIGHT (H2)
HBUF-100W/100P-G4	100W	11.2"	5.7"	7.2"
HBUF-150W/150P-G4	150W	11.2"	5.7"	7.2"
HBUF-200W/200P-G4	200W	12.8"	5.8"	7.4"
HBUF-240W/240P-G4	240W	12.8"	6.5"	7.7"

## ACCESSORIES

### SHROUDS/REFRACTORS



SRDP



SRDA



SRBC

Description	Fixture	Angle	Dimensions
Polycarbonate Refractor, Clear, Ribbed	All Wattages	90°	Top Width: 9.3"Ø Bottom Width: 16.2"Ø Hieght 6.3"
Aluminum Refractor, Smooth, Opaque	All Wattages	90°	Top Width: 9.3"Ø Bottom Width: 16.2"Ø Hieght 6.5"
Bottom Cover for Polycarbonate Refractor	All Wattages	—	Width: 16."Ø * Hieght 1.6"

## HB01DMS-A

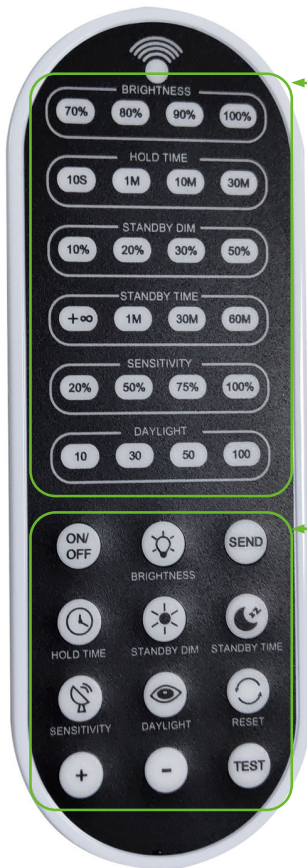


### Technical data

Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	< 0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+ ∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	< 0.5mW
Detection angle	150° (wall mounted) 360° (ceiling mounted)
Control line	Pink:+12V; Purple:DIM+; Gray:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max. Ø 15m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30°C ~+60°C
IP rating	IP65

\*Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min, Sensitivity:100%, Daylight:Disable.

## HB03R



### Display Area

**BRIGHTNESS** (70%/80%/90%/100%)  
**DAYLIGHT** (10lx/30lx/50lx/100lx)  
**STANDBY DIM** (10%/20%/30%/50%)

**HOLD TIME** (10S/1min/10min/30min)  
**SENSITIVITY** (20%/50%/75%/100%)  
**STANDBY TIME** (+ ∞ /1min/30min/60min)

### Button Setting Area

- ON/OFF** (Long press the "ON/OFF" button until the brightness indicator light is on(First-row). Press to turn on or turn off the fixture.)
- BRIGHTNESS** (Press to adjust dimming level 70%/80%/90%/100%.)
- SEND** (Press to save settings after each change. The indicator light confirms the save setting.)
- HOLD TIME** (Press to adjust hold time 10s/1min/10min/30min.)
- DAYLIGHT** (Long press the button until the daylight indicator light is on, press to adjust daylight threshold 10lx/30lx/50lx/100lx.)
- SENSITIVITY** (Press to adjust sensitivity 20%/50%/75%/100%.) Note: PIR Motion Sensor have no sensitivity setting, the default 100%.
- STANDBY DIM** (Press to adjust stand-by dimming level 10%/20%/30%/50%.)
- STANDBY TIME** (Press to adjust stand-by time +∞/1min/30min/60min.)  
 Note: "+∞" means unlimited stand-by time, and the light control mode is the light control priority mode, otherwise it's the light threshold mode.
- RESET**  
 Press "RESET" button, products with DIP switch will be controlled by DIP switches; Otherwise all the setting will change, which is Brightness 70%/ Hold time 10s/ Sensitivity 20%/ Daylight threshold disable/ Stand-by dimming level 10% / Stand-by time+∞.
- TEST**  
 The button "TEST" is for testing purpose after debugging. Pressing this button, the sensor goes to test mode (hold time is only 3s).
- Press to increase brightness(0-100%).
- Press to reduce brightness(100%-0%).

## EMERGENCY BATTERY BACKUP ACCESSORIES

- cULus Listed
- 5yr Warranty
- CEC BC Compliant
- See spec sheet for details

Description	Model #	Input Voltage	Output Ranges (LM)			
			100W	150W	200W	240W
15W EM Kit	EMUFO-15170-YY	100-347VAC @ 200Ma MAX	2,130-2,205	2,175-2,190	N/A	N/A
25W EM Kit	EMUFO-25170-YY		3,550-3,675	3,625-3,650	N/A	N/A
40W EM Kit	EMUFO-40170-YY		5,680-5,880	5,800-5,840	5,680-5,880	5,680-5,880



## RELOC CABLES



**OCS**  
Circuit Selector



**OCU**  
Cord Unselectable



**OD**  
Drop Cable

Examples	Ships Separately (Field Installation)	Ships Attached (Factory Installation)	Fixture w/o RELOC	Fixture with RELOC
		OCS 277	OCS	IBZ 454L GEB10PS90
	OCS 120 18/3G 10	OCS4C10	IBZ 454L GEB10PS90	IBZ 454L 120 GEB10PS90 EL14 OCS4C10

### ORDERING INFORMATION

For shortest lead times configure product using **bolded options**.

**Example:** OCS 120 18/3G 10

Series	Voltage	Conductors	Length	Modular Plug	Connector Type‡	Device Color	Options	
<b>OCS‡</b>	120	<b>For 120, 277 and 347 Volts</b> <b>(blank)</b> Three 18 AWG conductors, including ground	<b>(blank)</b> 6ft.	<b>RRL</b> RELOC®-ready luminaires ‡	<b>(blank)</b> Not required	<b>(blank)</b> White	<b>CSA</b> Required when ordered for Canada ‡	
	208		10					L515 120V - NEMA L5 - 15R
	240		15					L520 120V - NEMA L5 - 20R
	277	20	L715 277V - NEMA L7 - 15R					
	277V‡	25	L720 277V - NEMA L7 - 20R					
	347	30	L615 208V - NEMA L6 - 15R					
	347V‡	35	L620 208V - NEMA L6 - 20R					
	480	40	L820 480V - NEMA L8 - 20R					
	480V	45						
		50						

### ‡ Option Value Ordering Restrictions & Notes

Option value	Restriction
120, 277, 347	For 2 neutral applications, order OCU with TAP22N to tap the second hot and neutral.
18/3G	When ordered with 120 or 277 or 347 volts, two selector switches will be provided for selection of any 2 of the 3 tap positions available.
Connector Type	NEMA receptacles available with three 18AWG conductors only.
CSA	Product label for fixture drops must state: "Not for interruption of current" when ordered for Canada.
For 208, 240 and 480 Volts	Single circuit or 3 phase applications with 208 or 240 or 480 volts have two selector switches for selecting any 2 of the 3 tap positions. For two circuit 208 or 240 or 480 volt applications, order OCU with TAP34 to tap the second circuit.
OCS	For ordering attached to an Acuity Brands lighting fixture, simply move the voltage before the ballast description and remove all other spaces from the OCS catalog number (see examples above).
<b>RRL</b>	For use with fixtures. Fixture must have <b>RRL</b> and wiring instruction installed to use this option. See fixture spec sheet for details and availability. See <b>RRL</b> spec sheet for connector details.

## 10 YEAR WARRANTY

ATG Electronics®

Industry Leading 10 Year Limited Warranty For North American LED Lighting Fixtures

ATG Electronics warrants to the original purchaser of ATG Electronics Domestic LED products listed above that were manufactured for which the ATG Electronics Spec Sheet located on our website contains the words "10 year limited warranty" that, subject to the below terms and conditions of this warranty, when such LED products are properly installed they will comply with ATG Electronics published product specifications for such products and will be free from material defects in material and workmanship for a period of ten (10) years from the date of sale by ATG Electronics, or, if lesser, 50,000 hours of operation (at an average of 13.6 hours per day operation). The LED arrays in the Product(s) will be considered defective in material or workmanship only if a total of 15% or more of the individual light emitting diodes in the Product(s) fail to illuminate.

The above express limited warranty is extended by ATG Electronics® only to the original or first end-user purchaser and only for the original installed location. This warranty only applies to products purchased after June 1, 2017. This warranty is non-transferrable, whether by assignment or operation of law. The original purchaser must provide warranty claims to ATG Electronics within the warranty period promptly upon discovery and in accordance with ATG Electronics Return and Repair Procedures as outlined within this document.

Should any defects be found by ATG Electronics upon its inspection of the properly returned product, ATG Electronics sole responsibility and liability under this warranty will be, at its option, to either repair or replace the defective part or parts or else make available a new replacement unit that will provide equal or better performance. All decisions regarding the existence or non-existence of defects or otherwise affecting the warranty shall be made by ATG ELECTRONICS and shall be final and binding on all parties. Where a defective LED product is replaced under this warranty, the balance of the original warranty period shall remain effective.

### Conditions and Exclusions

This warranty is conditioned upon proper installation, use and maintenance. This warranty will automatically become null and void and shall not be applicable to any LED fixture which (i) has not been timely paid for, (ii) is not installed and operated in accordance with the current edition of The National Electric Code (NEC), the Standards for Safety of Underwriters' Laboratory, Inc. (UL) or with ATG Electronics instructions and guidelines, (iii) has been moved from its original installation, (iv) has been installed within an area that has exposure to sulfur or any area with high acidic compounds in use, (v) has been operated in an ambient temperature or humidity that is higher than 35 degrees Celsius, (vi) has been subjected to a lightning strike, power surge or over voltage condition, (vii) has its LED Board subjected to static electricity due to failure to discharge same prior to connecting or disconnecting the lead from the LED board, (viii) was not installed and/or operated in accordance with ATG Electronics instructions and guidelines, (ix) has been mishandled, misused, abused, tampered with, modified or altered by anyone other than ATG ELECTRONICS, (x) has been subjected to abnormal stresses and operating conditions, or (xi) has been operated without over voltage and lightning protection devices in place.

### Limitations

#### Disclaimers & Limitations of Liability

The foregoing warranty is exclusive of all other statutory, written or oral warranties and no other warranties of any kind, statutory, by operation of law or course of performance, or otherwise, are given, herein expressed or otherwise received. EXCEPT AS EXPRESSLY PROVIDED ABOVE, ATG ELECTRONICS DISCLAIMS ALL REPRESENTATIONS, WARRANTIES AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE LED PRODUCTS AND ITS SERVICES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE.

**LIMITATION OF LIABILITY.** Other than the obligation to repair or replace as provided above, ATG Electronics shall have no liability for any losses, expenses or damages as a result of the installation, use, inability to use, removal or replacement of any LED product. ATG Electronics will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of any other goods or associated equipment or

damage to any associated equipment, cost of capital, cost of substitute products, facilities or services, down time cost or claims of claimant's customers. ATG Electronics liability on any claim of any kind for any loss or damages arising out of, resulting from or concerning any LED product, any aspect of this warranty or for any products or services furnished hereunder shall not exceed the price of the fixture which gives rise to the claim.

### Return and Repair Procedures

All warranty requests and or questions are to be directed to ATG Electronics Customer Service Department (CSD) at 888-618-7298. If deemed necessary, the CSD will issue a Returned Merchandise Authorization (RMA) number which must be included on both the packing slip of the component or fixture being returned and on the outside of the box. You must include your name and contact information, including your email address, on the packing slip so that we can contact you easily. Each component or fixture must be packaged very carefully and properly so as to prevent damages in shipment and must be shipped freight prepaid. Please obtain a proof of delivery to ensure that the material is received.

Once the component or fixture has been received and tested, an evaluation report will be provided to the end user via email. This report will clarify the following:

- I) The component / fixture is covered under the warranty policy and will either be repaired or replaced.
- II) The component / fixture is not covered under the warranty policy and the reason for this determination.

If ATG ELECTRONICS determines that the component or fixture is covered under the warranty, then the appropriate repairs will be started or a replacement fixture will be manufactured and shipped. Please note that in the event the returned component or fixture is found not to be covered under this warranty, you may be subject to a labor charge for the evaluation process and will be responsible for all return shipping charges and fees. For components and fixtures determined to be covered under this warranty prior to the first anniversary of the Sale Date, the repaired or replacement component or fixture will be returned to you at no charge. You will be responsible for all other shipping charges.

### No Labor Reimbursement

All components and fixtures determined to be covered by this warranty as provided above, will be repaired or replaced at no charge to the customer, however, except as expressly provided above with respect to recessed and linear fixtures during the first year, the customer must hire and pay for an electrician to remove and reinstall such components and fixtures. No labor costs will be covered for the removal or reinstallation of any components or fixtures. The warranty does not cover modifications, repairs or replacements, or the related labor or materials costs, that may be necessary to facilities or third party products in connection with the removal, repair, or replacement of any LED product under this warranty.