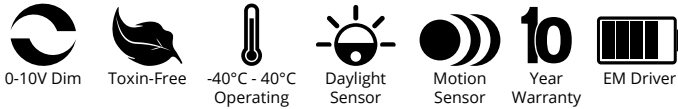


# DK Premium Direct Kit

## Indoor

The Premium Direct Kit is a universal retrofit package that allows LED light engines to be incorporated into any existing luminaires of standard 1x4, 2x2, or 2x4 dimensions. The design allows fixture housings to be retained while efficient LED light drivers take the place of conventional lamps.



| Luminaire | Premium Direct Kit | Type |
|-----------|--------------------|------|
| Project   |                    |      |
| Product   |                    |      |
| Notes     |                    |      |

### Features

- T-bar design fixes within existing luminaire
- Sheet metal design
- Installed by hand in minutes within standard dimensions



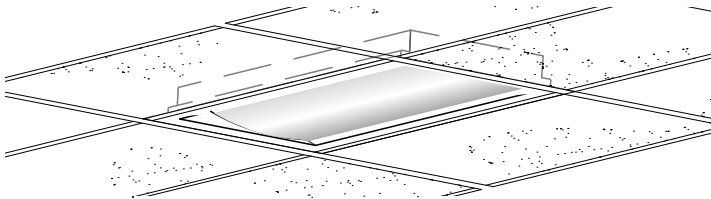
### Order Format

Sample: DK22-30W-4K-PE

| Series        | Dimension        | Wattage                                  | CCT                           |
|---------------|------------------|--|-------------------------------|
| DK=Direct Kit | 22=2x2<br>24=2x4 | 20W=20W<br>25W=25W<br>30W=30W<br>40W=40W | 35=3500<br>40=4000<br>50=5000 |

### Application

The LED retrofit kit can be installed by hand in a matter of minutes. Any standard-sized fixture can accommodate the Direct Kit.



### Construction

Constructed in a sturdy and well-fitted sheet metal and PC diffuser, with a frosted lens for brilliant illumination. The luminaire is coated in an environmentally friendly polyester powder formulated for a durable and long-lasting color in a matte white finish. No toxic heavy metals, VOC, or mercury were used in the design of this product.



### Electrical

Luminous efficacy is a superior 128 Lm/W with a power draw of 40W. L70 is an excellent 156,000 hours. Drivers have a dimming ability from 0-10V.

### Optics

The retrofit kit is available in color temperatures of 4000K and 5000K. The CRI is a class-leading 85+ and creates excellent visual acuity.

### Certifications

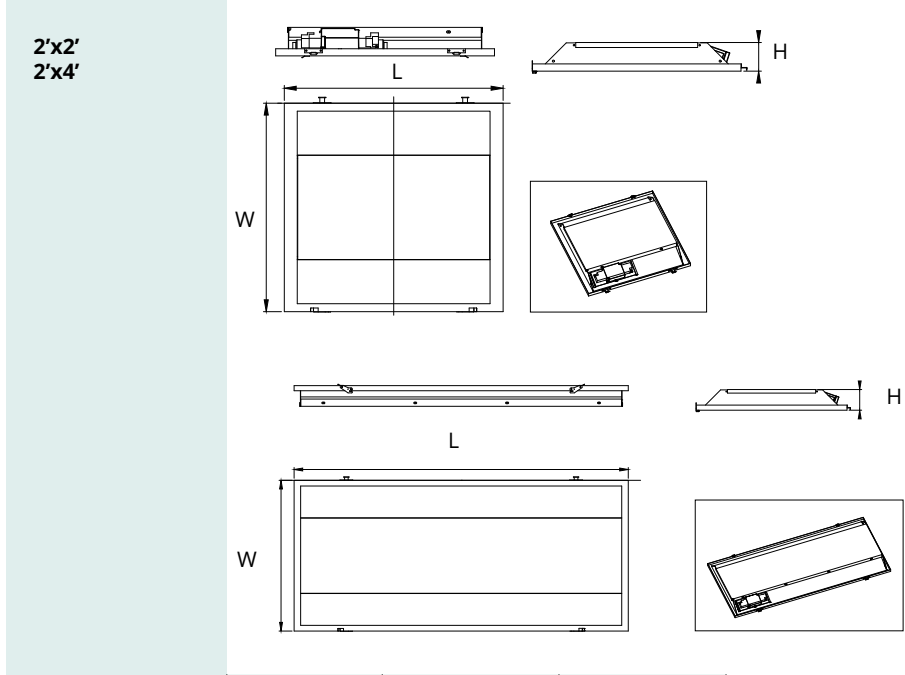
- DLC Premium
- ETL Listed
- CE
- RoHS
- Title 24

|                            |                           |
|----------------------------|---------------------------|
| <b>Input Voltage (VAC)</b> | 120-277                   |
| <b>CRI</b>                 | 85+                       |
| <b>THD</b>                 | 9% +                      |
| <b>CCT(K)</b>              | 3,500<br>4,000<br>5,000   |
| <b>PF</b>                  | .9                        |
| <b>L70 (Hours)</b>         | 156,000                   |
| <b>Color</b>               | Matte White               |
| <b>Housing</b>             | Sheet Metal & PC Diffuser |
| <b>Optic Types</b>         | Frosted                   |
| <b>Temperature Range</b>   | -40°C to 40°C             |
| <b>Warranty</b>            | 10 Years                  |

| Lumen Data      |             |              |                 |             |                 |             |                 |             |
|-----------------|-------------|--------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Dimensions (FT) | Wattage (W) | System Watts | 35K             |             | 4K*             |             | 5K              |             |
|                 |             |              | Efficacy (Lm/W) | Lumens (Lm) | Efficacy (Lm/W) | Lumens (Lm) | Efficacy (Lm/W) | Lumens (Lm) |
| 2'x2'           | 20          | 20           | 130             | 2,600       | 132             | 2,640       | 133             | 2,660       |
|                 | 25          | 22.7         | 129             | 2,942       | 129             | 2,942       | 133             | 3,057       |
|                 | 30          | 30.4         | 127             | 3,800       | 131             | 4,000       | 131             | 4,000       |
|                 | 40          | 40.2         | 126             | 5,100       | 128             | 5,150       | 128             | 5,150       |
| 2'x4'           | 25          | 22.8         | 128             | 2,930       | 128             | 2,930       | 132             | 3,015       |
|                 | 30          | 31           | 127             | 3,900       | 131             | 4,000       | 131             | 4,000       |
|                 | 40          | 40           | 126             | 5,100       | 128             | 5,100       | 128             | 5,100       |

\*4K instant shipment from soCal, contact sales for stock info

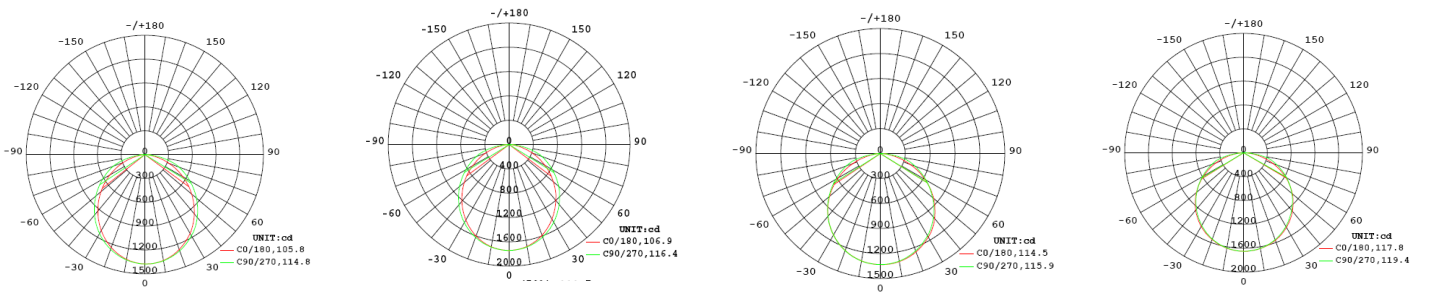
**Dimensions**



| Part No. | Length (L) | Width (W) | Height (H) |
|----------|------------|-----------|------------|
| DK22     | 20.67      | 20.67     | 2.84       |
| DK24     | 45.83      | 20.67     | 2.84       |

Recorded in inches

**Photometric**



DK22-30W-35      DK22-40W-35      DK24-30W-35      DK24-40W-35

**Electrical**



**WP-08U-48-EA  
Emergency Driver**

**Ordering Data**

| Max Output Watts | Output Current (mA)      | Charging time | Battery               | Response time | Operating time | Net Weight | Dimension     |
|------------------|--------------------------|---------------|-----------------------|---------------|----------------|------------|---------------|
| 8W               | 160<br>220<br>330<br>440 | 24H           | Ni-cd<br>9.6V<br>24WH | <5S           | ≥90min         | 1.43Kg ±5% | 264*57.6*56mm |

**Input Information**

|                                    |                   |
|------------------------------------|-------------------|
| <b>Line Voltage (AC Operation)</b> | 100-277Vac        |
| <b>Line Frequency</b>              | 50/60Hz           |
| <b>Line Current</b>                | ≤0.1A             |
| <b>Inrush Current</b>              | ≤60A Per NEMA 410 |
| <b>Inrush Current</b>              | 24H               |
| <b>battery</b>                     | Ni-cd 9.6V 24WH   |
| <b>Standby Power</b>               | ≤5W               |

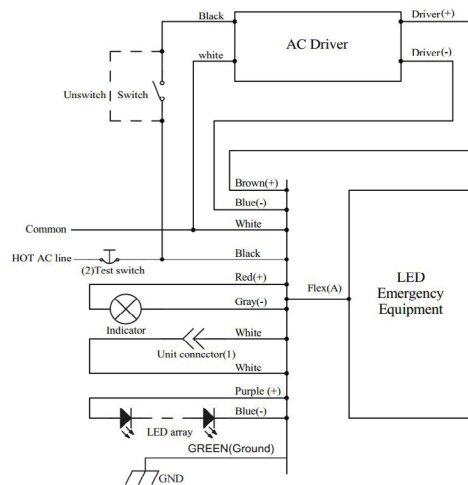
**Output Information**

|                                |   |
|--------------------------------|---|
| <b>Max Output Power</b>        | 8W  |
| <b>Max Output Power</b>        | 12-18Vdc 18-24Vdc 24-36Vdc 36-48Vdc                                     |
| <b>Output Current Range</b>    | 440mA 330mA 220mA 160mA   |
| <b>Output Current Accuracy</b> | ±10%  |
| <b>Response time</b>           | <5S   |
| <b>Emergency time</b>          | ≥90min  |
| <b>Indicator status</b>        | Fast flash: the battery is not connected; often bright: normal working. |

**Other**

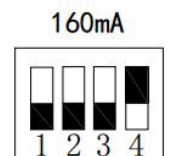
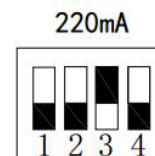
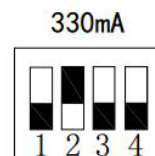
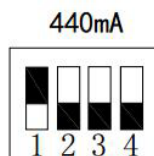
|                             |  |
|-----------------------------|--|
| <b>Dimension and Weight</b> | WP-08U-48-EA L*W*H :264*57.6*56mm, weight: 1.43Kg<br>WP-08U-48-EM L*W*H :430*57*35mm, weight: 1.49Kg |
| <b>IP Grade</b>             | IP20   |

**Wiring**

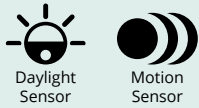


**Selectable Output Current Options**

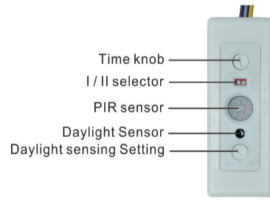
| Output Current | 1  | 2  | 3  | 4  |
|----------------|----|----|----|----|
| 440mA          | ON | -  | -  | -  |
| 330mA          | -  | ON | -  | -  |
| 220mA          | -  | -  | ON | -  |
| 160mA          | -  | -  | -  | ON |



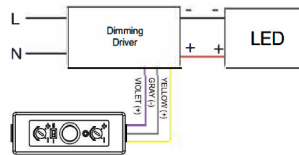
Electrical Continued



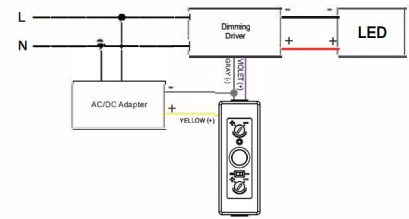
**ANT 1B  
Daylight Sensor and  
Motion Sensor**



ANT-1B wiring with 12VDC wire dimming ballast or LED driver.

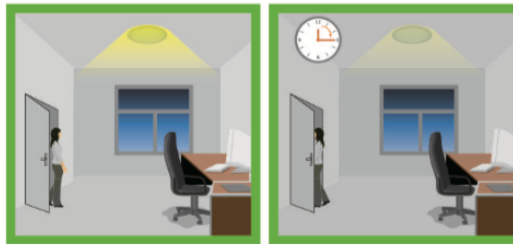


ANT-1 B Wiring by AC/DC Adapter with dimming ballast or led driver.



|                       |                             |
|-----------------------|-----------------------------|
| Operating Voltage     | 12VDC                       |
| Max. current sink     | 50mA (Maximum Rating)       |
| Mounting Height       | 4m Max.                     |
| Color coding of cable | Violet+, Gray -, YELLOW (+) |
| Cable Length          | 100cm                       |
| Detection Angle       | 120 °                       |
| Operating Temperature | -0°C ~45 °C                 |
| IP Rating             | IP20                        |

**Setting I= Presence detection only. (default factory setting)**



When used in ANT-1 B, the light will automatically on when with presence. When no presence is detected after delay time, the luminaire will be dimmed down to a dim level corresponding to 0.5V on the dim input of the ballast used.

The sensor switches on the light automatically when person enters the room. The lamp never switch off with presence, even the nature light is sufficient.

People left, the light Dims to dimmed down to a dim level corresponding to 0.5V on the dim input of the ballast used. after the delay time

**Setting II= Presence detection and Daylight harvest sensing.**

When used in ANT-1 B, the light will automatically on when with presence. When there is more than enough light; the light will dim. Tweaking of the light level is done by daylight sensing setting. The minimum dim level corresponds to 0.5V on the dim input of the ballast.

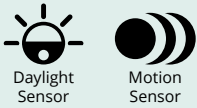


The lamp switches on when motion is detected.

The lamp lights dimming up/down to maintain the preset light level set point.

People left, the light Dims to dimmed down to a dim level corresponding to 0.5V on the dim input of the ballast used. after the delay time.

Electrical Continued



**ANT-4B**  
**PIR Bilevel**  
**Daylight Harvest Sensor**  
**and Motion Sensor**



|                       |                           |
|-----------------------|---------------------------|
| Operating voltage     | 12VDC                     |
| Max. current sink     | 50mA (Maximum rating)     |
| Mounting height       | 4m Max.                   |
| Color coding of cable | Violet+, Gray -,YELLOW(+) |
| Cable length          | 100cm                     |
| Detection angle       | 90 °                      |
| Operating temperature | -0 °C ~45°C               |
| IP rating             | IP20                      |

**Daylight Harvest Function**

The PIR Occupancy bi-level sensor achieves daylight harvest control, for the same areas that require a light change notice before switch off. It offers 3 levels of the light Control: 100%--dimming light (0, 10%,30%,50%)--off;and 2 periods of selectable waiting time: motion hold-time and stand-by time.Daylight harvest control works in hold-time.



The light will not switch on when natural light is sufficient, even there is motion detected.

The light switches on automatically with presence when natural light is insufficient.

The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.

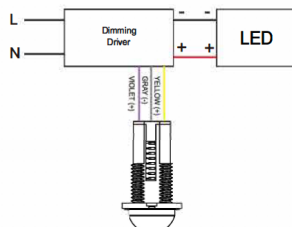


The light dims to stand-by period after hold-time and stays on selected minimum dimming level.

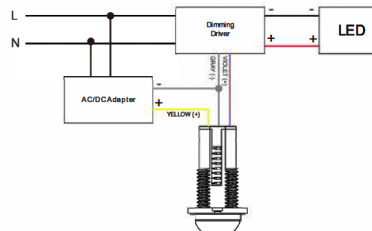
The light switches off completely after the stand-by period.

**Wiring**

ANT-4B wiring with 12VDC wire dimming ballast or LED driver.



ANT-4B Wiring by AC/DC Adapter with dimming ballast or led driver.



## 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 overvoltage 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 overvoltage 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:

- A) The component / fixture is covered under the warranty policy and will either be repaired or replaced.
- B) 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.