AURORA®
VALUE BEYOND ILLUMINATION™

versiTILE™
Generation 3.0
Dimmable Slimline LED Flat Panels

V.08
Advanced LED Flat Panel range delivering maximum brightness with minimal glare

Aluminum Heatsink
Large surface area for rapid heat dissipation

Reflective Film
0.15mm on the back of the light guide

Light Guide
Unique Aurora optical pattern for improved uniformity

High Transmission Diffuser
Excellent glare control - UGR19

Ultra Slim Aluminum Frame
Sleek, lightweight design

High Output Dimmable LEDs
Provides superior lighting performance

Damp Location
Front of panel is Damp Location

RP-1-12 “American National Standard”
Developed for screen based work environments helping achieve ANSI/IES RP-1-12 “American National Standard Practice for Office Lighting”

UGR - Unified Glare Rating
The UGR method (Unified Glare Rating) is an international index which is used to evaluate and limit the psychological direct glare from luminaires. Contrary to previous methods where the glare was rated using the luminance values of a single luminaire, this method calculates the glare of the entire lighting installation at a defined observer position.

According to BS EN 12464, the UGR (Unified Glare Rating) reference value is provided for a standard room. Maximum UGR in offices - UGR19. Aurora LED Flat Panels can be used in lighting schemes to achieve UGR19.

Examples:
UGR<10% glare so insignificant it can be ignored,
UGR>30% very high glare.
The Aurora Generation 3 ultra-thin LED panels feature high efficiency, quality and performance. These luminaires are designed with edge-lit technology to produce highly efficient lighting, which provides pleasant and uniform light distribution with no glare. The luminaires have a clean, modern look and the ultra-thin profile makes them unique and an ideal solution for either drop ceilings or suspended in offices, schools, hospitality and other commercial applications. Their high CRI is ideal for retail stores and showrooms where natural color rendering is essential.

The Aurora edge-lit flat panels offer lower power consumption, longer life, dimming option and lower overall maintenance (no re-lamping required) than the standard fluorescent fixture and are therefore an excellent energy efficient replacement. The DLC (DesignLights Consortium®) qualified Aurora edge-lit flat panels are available with a number of options and accessories for application versatility. Compatible with most 0-10V dimmers.

IES files available on the Aurora website.

### Features
- A range of high energy-efficiency edge-lit LED flat panels for office and commercial lighting applications
- Suitable for installation in T-bar suspended ceilings. Optional drywall, surface mount or suspension kit accessories are available
- Easy installation & maintenance free
- PMMA light guide material and PS diffuser, for even light distribution with 120° beam angle
- Ultra-thin white profile frame – depth just 0.39"
- Total depth including the drive box 1.96"
- CRI>80
- High power factor - 0.90
- Aurora’s dimmable panels provide a simple 0-10V solution that is compatible with stand alone 0-10V dimmers as well as larger lighting control systems and allows for installation with daylight or occupancy sensors
- Compatible with Lutron 0-10V Dimmers
- Operating temperature -4°F to 104°F
- Available color temperatures 3500K, 4000K, 5000K
- Suitable for damp locations
- DLC (DesignLights Consortium®) certified
- (L70) at 50,000 hour lifetime
- 5 Year warranty

### Compliance & Approvals

UL Listed

DLC Premium

CRI 80

Lighting Facts

Damp Locations

FOR MOUNTING AND SUSPENSION ACCESSORIES SEE PAGE 9

0-10V FULLY DIMMABLE

EMERGENCY PACK

### DLC Premium

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage</th>
<th>Watts</th>
<th>Lumens</th>
<th>Lumens/W</th>
<th>Color Temp</th>
<th>Life (hrs)</th>
<th>W x L x H</th>
<th>lbs</th>
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<tbody>
<tr>
<td>AR-LP122P3DD/35*</td>
<td>100 - 277V AC</td>
<td>30W</td>
<td>3750lm</td>
<td>125</td>
<td>3500K</td>
<td>50,000</td>
<td>23.7 x 23.7 x 1.96&quot;</td>
<td>7.7</td>
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* ADD SUFFIX EM TO SKU CODE FOR EMERGENCY PACK OPTION - 90 MINUTE OPERATION @ 25% OUTPUT
Recessed, Drywall, Surface Mounted, Suspended & Emergency Versions

**Compliance & Approvals**

DLC Premium

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<tr>
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<td>100 - 277V AC</td>
<td>40W</td>
<td>5000lm</td>
<td>125</td>
<td>3500K</td>
<td>50,000</td>
<td>23.7 x 47.63 x 1.96&quot;</td>
<td>14.45</td>
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<td><strong>NEW</strong> AR-LP124P5DD/35*</td>
<td>0-10V Dimmable</td>
<td>100 - 277V AC</td>
<td>50W</td>
<td>6250lm</td>
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* ADD SUFFIX **EM** TO SKU CODE FOR EMERGENCY PACK OPTION - 90 MINUTE OPERATION @ 25% OUTPUT
versiTILE 1' x 4' Recessed, Surface & Suspended

Recessed, Drywall, Surface Mounted, Suspended & Emergency Versions

Features
- A range of high energy-efficiency edge-lit LED flat panels for office and commercial lighting applications
- Suitable for installation in T-bar suspended ceilings. Optional drywall, surface mount or suspension kit accessories are available
- Easy installation & maintenance free
- PMMA light guide material and PS diffuser, for even light distribution with 120° beam angle
- Ultra-thin white profile frame – depth just 0.39”
- Total depth including the driver box 1.96”
- CRI>80
- High power factor - 0.90
- Aurora’s dimmable panels provide a simple 0-10V solution that is compatible with stand alone 0-10V dimmers as well as larger lighting control systems and allows for installation with daylight or occupancy sensors
- Compatible with Lutron 0-10V Dimmers
- Operating temperature -4°F to 104°F
- Available color temperatures 3500K, 4000K, 5000K
- Suitable for damp locations
- DLC (DesignLights Consortium®) certified
- (L70) at 50,000 hour lifetime
- 5 Year warranty

Compliance & Approvals

<table>
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<tr>
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<th>Lumens</th>
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<tr>
<td>AR-LP114P4DD/35*</td>
<td>0-10V Dimmable</td>
<td>100 - 277V AC</td>
<td>40W</td>
<td>5000lm</td>
<td>125</td>
<td>3500K</td>
<td>50,000</td>
<td>11.83 x 47.63 x 1.96”</td>
<td>8.25</td>
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versiTILE 1’ x 4’ Suspended Up/Down

40% Up, 60% Down Suspended LED Panel

Features
- A range of high energy-efficiency edge-lit LED flat panels for office and commercial lighting applications
- Suspension kit supplied as standard with the panel
- PMMA light guide and PS diffuser, for even light 60% functional light and 40% uplighting to create overall feeling of space and light
- White profile frame – depth just 1.18”
- Adjustable length of suspension allowing a drop of around 47” as standard and positioning of suspension wire along the length of the panel allows for minor adjustments
- CRI>80
- High power factor - 0.90
- Aurora’s dimmable panels provide a simple 0-10V solution that is compatible with stand alone 0-10V dimmers as well as larger lighting control systems and allows for installation with daylight or occupancy sensors
- Compatible with Lutron 0-10V Dimmers
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<th>Life (hrs)</th>
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<th>lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR-LPUD1436/35*</td>
<td>0-10V Dimmable</td>
<td>100 - 277V AC</td>
<td>36W</td>
<td>3780lm</td>
<td>105</td>
<td>3500K</td>
<td>50,000</td>
<td>11.59 x 46.96 x 0.9”</td>
<td>7.37</td>
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<tr>
<td>AR-LPUD1436/40*</td>
<td>0-10V Dimmable</td>
<td>100 - 277V AC</td>
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LED Flat Panel Accessories

Description
Aurora LED flat panel mounting accessories provide additional versatility for our flat panel range when installed in locations other than suspended ceilings. The suspension kit allows for panels to be suspended for a more architectural look. The drywall and surface mount kits are designed to allow Aurora’s ultra-thin LED Panels to be installed in sheet rock / concrete ceiling applications. These accessories provide an ideal mounting solution in offices, schools, hospitality and other commercial applications.

Features

Suspension Kit Includes
- 4 x 6.5ft steel cables, cable grippers and fixing screws
- Adjustable up to 6.5ft in length

Dry Wall Flange Kit
- Pre-assembled kit, fixing screws included

### Features

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>W x L x H</th>
<th>L x Cable Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR-SKLPB100</td>
<td>Suspension Kit - flat panels</td>
<td>-</td>
<td>6.5ft (L) - Cable (Ø) 0.06”</td>
</tr>
<tr>
<td>AR-DWFK14C</td>
<td>1’ x 4’ Panel Flange Kit</td>
<td>13.6 x 49.4 x 1.22”</td>
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<tr>
<td>AR-DWFK22C</td>
<td>2’ x 2’ Panel Flange Kit</td>
<td>25.47 x 25.47 x 1.22”</td>
<td>-</td>
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<tr>
<td>AR-DWFK24C</td>
<td>2’ x 4’ Panel Flange Kit</td>
<td>25.47 x 49.4 x 1.22”</td>
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</tr>
</tbody>
</table>

AR-SKLPB100 SHOWN WITH AR-LP122
AR-SKLPB100 SHOWN WITH AR-LP124
AR-SKLPB100 SHOWN WITH AR-LP114
AR-DWFK22C
AR-DWFK24C
AR-DWFK14C
versiTILE LED Flat Panel Accessories

Features

Standard - Surface Mount Kit Includes
- 8 x pattress connection screws for assembly
- 6 or 10 ceiling mounting screws depending on size ordered
- 4 x pattress sides for assembly onsite

Features

Designer - Surface Mount Kit Includes
- 3 x Bevelled edge pre-assembled pattress sides
- 1 x side needs to be assembled once LED panel inserted
- 4 x pattress connection screws for assembly and ceiling fixing screws
- 4 x white screw caps to hide screw heads

Cat. No. | Description | W x L x H
--- | --- | ---
AR-SMKLP114C | 1' x 4' Panel Contractor Mount Kit | 12.07 x 47.79 x 2.91"
AR-SMKLP122C | 2' x 2' Panel Contractor Mount Kit | 23.89 x 23.89 x 2.91"
AR-SMKLP124C | 2' x 4' Panel Contractor Mount Kit | 23.86 x 47.79 x 2.91"
AR-SMLPC114C2 | 1' x 4' Panel Designer Surface Mount Kit | 13.70 x 49.44 x 3.03"
AR-SMLPC122C2 | 2' x 2' Designer Surface Mount Kit | 25.51 x 25.51 x 3.03"
AR-SMLPC124C2 | 2' x 4' Panel Designer Surface Mount Kit | 25.47 x 49.44 x 3.03"
Design Criteria

- The lighting calculation information displayed above is indicative for the areas and design criteria indicated.
- It is recommended that the customer carries out his own calculations to verify that the estimated quantity using this grid system does in fact provide compliance with the project specification.
- All quantities shown are calculated and rounded upwards and then determined into an amount that offers a suggested grid pattern for intended installation.
- Aurora will not accept responsibility for lighting installations which fail to comply with specification, where the above grid system has been solely used to estimate quantity.

Lighting Design Comparison - Results

<table>
<thead>
<tr>
<th>Linear Fluorescent</th>
<th>LED Alternative</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2ft x 2ft</strong></td>
<td><strong>2ft x 2ft</strong></td>
</tr>
<tr>
<td>Module fitting - 2 x 32W T8 bi-pin “U” tube fluorescent lamp</td>
<td>recessed LED flat panel</td>
</tr>
<tr>
<td>Switch start electromagnetic control gear &amp; glow starter</td>
<td>Circuit power Consumption @ 30W</td>
</tr>
<tr>
<td>Assumed circuit watts @ 68W</td>
<td>Lumens = 3750 luminaire lumens</td>
</tr>
<tr>
<td>Mean lamp lumens @ 2900 lumens x 3 lamps</td>
<td><strong>Area - 40ft x 40ft</strong></td>
</tr>
<tr>
<td><strong>Ceiling height - 10ft</strong></td>
<td><strong>Working plane – 2.50ft</strong></td>
</tr>
<tr>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>68W</td>
<td>30W</td>
</tr>
<tr>
<td>1700W</td>
<td>750W</td>
</tr>
<tr>
<td>46Fc</td>
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2ft x 2ft Energy Saving = 950W = 44.1%

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<td><strong>2ft x 4ft</strong></td>
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<tr>
<td>Module fitting - 3 x 32W T8 bi-pin Linear Fluorescent Lamp</td>
<td>recessed LED flat panel</td>
</tr>
<tr>
<td>Switch start electromagnetic control gear &amp; glow starter</td>
<td>Circuit power consumption @ 101W</td>
</tr>
<tr>
<td>Assumed circuit watts @ 101W</td>
<td>Lumens = 5000 luminaire lumens</td>
</tr>
<tr>
<td>Mean lamp lumens @ 2900 lumens x 3 lamps</td>
<td><strong>8700 Lamp Lumens</strong></td>
</tr>
<tr>
<td><strong>Area - 40ft x 40ft</strong></td>
<td><strong>Ceiling height - 10ft</strong></td>
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<tr>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>101W</td>
<td>40W</td>
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<tr>
<td>2020W</td>
<td>800W</td>
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<tr>
<td>55Fc</td>
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</tbody>
</table>

2ft x 4ft Energy Saving = 1220W = 60.5%

**Linear Fluorescent vs LED Flat Panel**

Next Generation - LED Panels with 120° beam coverage could reduce fixture count by up to 20% based on area configuration.
**Product Description**

Versatile Generation 2 Edge-lit LED Flat Panels are now available with an emergency LED battery pack that provides minimum 90 minutes of operation at approximately 25% output, backup in the event of a power failure. The emergency option is available in both dimmable and non-dimmable versions for 1’ x 4’, 2’ x 2’ and 2’ x 4’ panels.

**Product Features**

- Provides adequate backup lighting in the event of an emergency
- Minimum 90 minute operation after a power outage
- Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirement

**Product Specs**

- Operating Temp 32° - 122° F
- 24 hour re-charge cycle

Suitable for installation in grid ceilings in new construction and retrofit installations

**May also be drywall, surface mounted or suspended**

Emergency option available

**Ideal for use with daylight sensors to adjust to change in light levels and space requirements**

A full range of slimline edge-lit LED flat panels providing flexibility of sizes, wattages, mounting options, as well as an emergency capability.