

# PGS-S LED Specifications

Area - Site - Wall-Ceiling



The PGS-S Low Profile LED Canopy Light from Visionaire Lighting delivers a sleek, space-saving design without sacrificing performance.

Engineered with a heavy-duty aluminum housing and integral heat sink, it provides superior thermal management to ensure long-lasting LED life. Available in multiple mounting options—including low profile ceiling, surface conduit, and pendant—the PGS-S is a versatile solution for parking structures, walkways, and covered outdoor spaces.

With wattages ranging from 20W to 50W, 10 performance optical distributions and color temperatures of 2700K, 3000K, 3500K, 4000K, or 5000K, it offers precision lighting tailored to your project needs.

UL listed, IP65 rated, and backed by a five-year finish and electrical warranty, the PGS-S is the ideal upgrade from traditional fluorescent and HID fixtures.

Project Name:

Catalog Number:

Type:

Date:

Location:

Visionaire Lighting products are engineered with field serviceability and environmental responsibility at the core, giving customers a smarter, longer-lasting lighting solution. Designed for efficient maintenance and simplified access to key components, our fixtures help reduce downtime, extend product life, and make in-field updates or repairs faster and more cost-effective.



LED Specifications **PGS-S**

| MODEL        | OPTICS                                                                                                                                                                                                        | WATTAGE                                                      | CCT                                                                                                                                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PGS-S</b> | <b>T1</b><br>Type 1<br><br><b>T2</b><br>Type 2<br><br><b>T3</b><br>Type 3<br><br><b>T3L</b><br>Type 3 Long<br><br><b>T4</b><br>Type 4<br><br><b>T4A</b><br>Type 4 Automotive<br><br><b>T4L</b><br>Type 4 Long | <b>20</b><br><br><b>30</b><br><br><b>40</b><br><br><b>50</b> | <b>27K7 27K8 27K9</b><br>2700K 70, 80, & 90 CRI<br><br><b>30K7 30K8 30K9</b><br>3000K 70, 80, & 90 CRI<br><br><b>35K7 35K8 35K9</b><br>3500K 70, 80, & 90 CRI<br><br><b>40K7 40K8 40K9</b><br>4000K 70, 80, & 90 CRI<br><br><b>50K7 50K8 50K9</b><br>5000K 70, 80, & 90 CRI |

| VOLTAGE                | MOUNTING                                                                                                                                                                                                                                                                                                   | FINISH                                                                                                                                                                                                                                                                                             | CONTROL OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OPTIONS                                                                                           |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>UNV</b><br>120-277V | <b>LPM</b><br>Low Profile Mount<br>Ceiling Mount<br>No conduit feed.<br><br><b>PM12</b><br>Pendant Mount<br>12"<br>*30" Leads<br><br><b>PM24</b><br>Pendant Mount<br>24"<br>*42" Leads<br><br><b>PM36</b><br>Pendant Mount<br>36"<br>*54" Leads<br><br><b>CM</b><br>Ceiling Mount<br>1/2" & 3/4" Knockouts | <b>BZ</b><br>Bronze<br><b>BK</b><br>Black<br><b>GY</b><br>Grey<br><b>SBK</b><br>Smooth Black<br><b>WH</b><br>White<br><b>SWH</b><br>Smooth White<br><b>GP</b><br>Graphite<br><b>GY</b><br>Grey<br><b>SL</b><br>Silver Metallic<br><b>ZFP</b><br>Zinc-Free Primer Coat<br><b>CC</b><br>Custom Color | <b>DIM</b><br>0-10v Dimming Driver<br>No Controls<br><b>DTO</b><br>Dim to Off Driver<br><b>D4i</b><br>4Di DALI Driver<br><br><b>WSP6-L2 WSP6-L3 WSP6-L7</b><br>8' Mounting Height    9-20' Mounting Height    21-40' Mounting Height<br><br><b>WSC-8 WSC-20 WSC-40</b><br>8' Mounting Height    9-20' Mounting Height    21-40' Mounting Height<br><br>*The WSC option will require (1) FSIR 100 remote for programming<br><br><b>Z10 or Z18</b><br>Zhaga 4 Pin Receptacle<br><br><b>VWC</b><br>Visionaire Wireless Control | <b>BAA</b><br>Buy America(n)<br>Act Compliant<br><br><b>BABA</b><br>Build America<br>Buy American |

**Housing**

Heavy duty formed aluminum housing with internal heat sink for maximum heat dissipation. Silicone gasket is used for weather tight operation.

**Mounting**

A Low Profile, hinged, ceiling mount bracket, can be secured directly to a 4" or 5" recessed junction box, or to the ceiling.

A Ceiling Mount bracket with 1/2" and 3/4" knockouts is also available for surface conduit mounting.

The ceiling hangar bracket on both versions allows the fixture to be suspended while making the wiring connections. The housing bracket then attaches to the ceiling bracket via a tamper-proof screw.

3/8" NPT stem and canopy supplied for pendant mount applications.

**Thermal Management**

The PGS series provides excellent thermal management by mounting the LEDs to the substantial heat sink within the housing. This enables the Luminaire to withstand higher ambient temperatures and driver currents without degrading LED life.

**Optical System**

The highest lumen output LEDs are utilized. High-performance acrylic optics feature industry leading optical distributions. Acrylic optics are impact-resistant and rated to 94 percent translucence.

The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.

- L70 life of our LEDs is rated over 100,000 hours (for 350 mA),
- Available with 10 IES distribution patterns.
- CRI values are 70, 80 or 90.
- CCT values are 2700K, 3000K, 3500K, 4000K, 5000K

**Quali-Guard® Finish**

The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 mils thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.

Optional Zinc-Free Primer - Recommended within three miles of the ocean. Finish is guaranteed for five (5) years.

**Electrical Assembly**

The PGS LED series is supplied with a choice of 20 - 50 Watt high-performance LED drivers that accept 120v, 50 Hz to 60 Hz, input.

- Power factor of 90%.
- Rated for -30°C operations.
- 10kV Surge Protector supplied as standard.
- THD less than or equal to 20%

**Warranty**

Five (5) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit [visionairelighting.com](http://visionairelighting.com).

**Options**

- Wattstopper Plus
- Wattstopper FSP-211 Motion Sensor/Control
- Dimming Driver
- Dim To Off Driver
- D4i DALI Driver
- Zhaga 4 Pin Receptacle
- Wireless Controls
- BAA / BABA

**Listings**

- PGS Small is UL listed, suitable for wet locations.
- IP65 Rated
- Powder Coated Tough
- IDA Listed



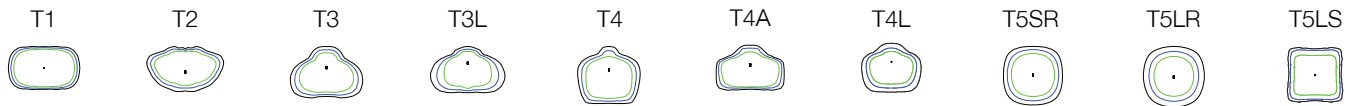
3000K or lower must be selected for IDA certification.  
Fixed mount must be selected for IDA dark sky certification.

**Light Color**

Correlated Color Temperature (CCT)



## Photometric Optical Summary

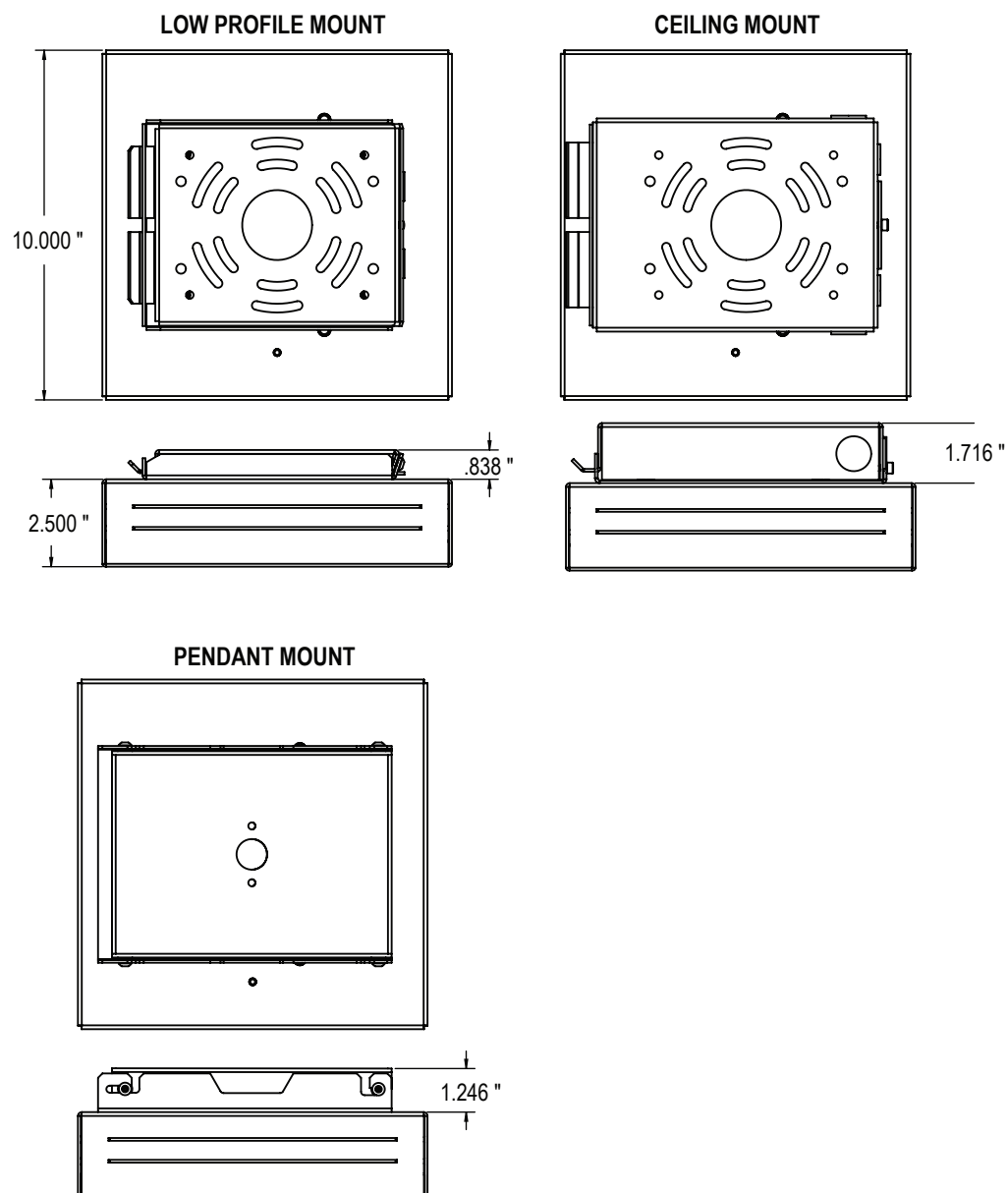


## Dimensions

**Width:** PGS-S 10"

**Height:** PGS-S 2.5"

**Weight:** 13 LBS



| PGS-S-LD - ELECTRICAL LOAD (A)    |              |      |      |      |      |
|-----------------------------------|--------------|------|------|------|------|
| Ordering Nomenclature             | System Watts | 120  | 208  | 240  | 277  |
| PGS-S-24AR-20W                    | 20           | 0.17 | 0.10 | 0.08 | 0.07 |
| PGS-S-24AR-30W                    | 30           | 0.25 | 0.14 | 0.13 | 0.11 |
| PGS-S-24AR-40W                    | 40           | 0.33 | 0.19 | 0.17 | 0.14 |
| PGS-S-24AR-50W                    | 50           | 0.42 | 0.24 | 0.21 | 0.18 |
| ELECTRICAL LOAD DATA IS ESTIMATED |              |      |      |      |      |

| Motion Sensor Default Settings                                        |           |          |              |               |               |                   |                  |              |                |
|-----------------------------------------------------------------------|-----------|----------|--------------|---------------|---------------|-------------------|------------------|--------------|----------------|
| FSP - 211                                                             | High Mode | Low Mode | Time Delay   | Cut Off Delay | Sensitivity   | Hold Off Setpoint | Photocell On/Off | Ramp Up Time | Fade Down Time |
| WSC - Default                                                         | 10V       | 1V       | 5 Minutes    | 1 Hour        | Maximum       | Disabled          | Disabled         | Disabled     | Disabled       |
| WSC Range                                                             | 0-10V     | 0-9.8V   | 5-30 Minutes | 1-5           | Low, Med, Max | 1-250FC           | 1-250FC          | 1-60 Dec     | 1-60Dec        |
| * Settings can be field modified with the FSIR-100 Programming remote |           |          |              |               |               |                   |                  |              |                |

## WATTSTOPPER PLUS

### FSP-600 Series

The FSP-600 series by Wattstopper PLUS is an integrated luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. It is a passive infrared (PIR) sensor and closed loop photosensor.

The FSP-600 series design intends to reduce installer labor time and make on-site start up easy for technicians.

Once commissioned and paired to a Wattstopper PLUS network, the devices can measure both motion and daylight contribution in order to automatically switch or dim lighting. It also provides the ability to communicate to other fixtures in the space without any front-end devices.

The Wattstopper PLUS FSP-600 series is available in a few different options including: internal, external straight nipple, and external drop nipple. Sensor lens options sold separately and should be ordered based on designed mounting height and desired finish.

FSP-621



### FSP-200 Series

The FSP-200 series sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-200 series is available in two different voltage configurations adding flexibility to your fixture design or project.

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-2x1B ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

FSP-211



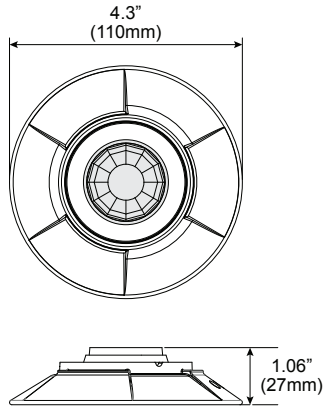
FSP-221



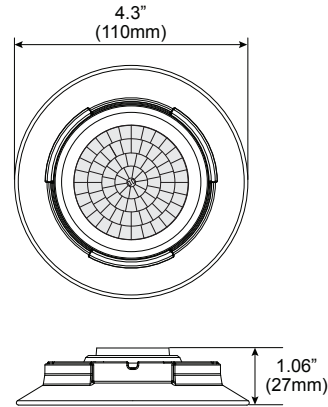
## Lens with Shroud Dimensions

The FSP-Lx-S models include a shroud, which blocks high-angle light coming from the fixture, to improve photocell performance. With the shroud attached, the dimensions for all three lenses are identical

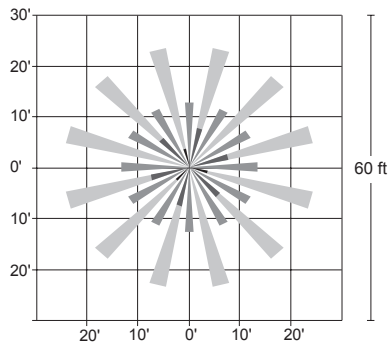
**FSP-L2-S and FSP-L3-S**



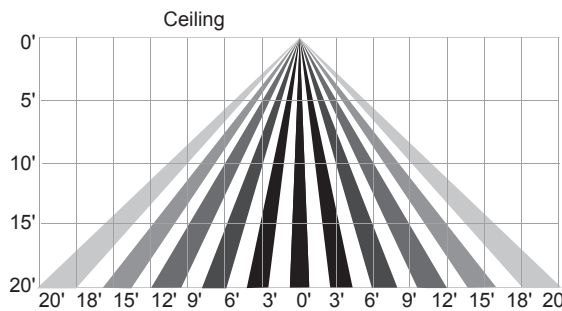
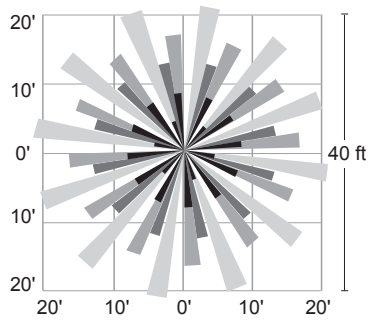
**FSP-L7-S**



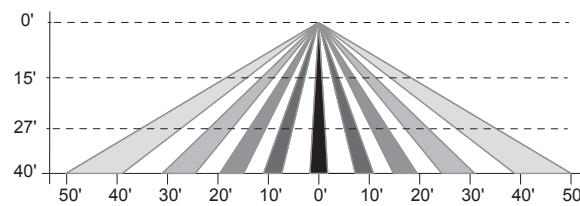
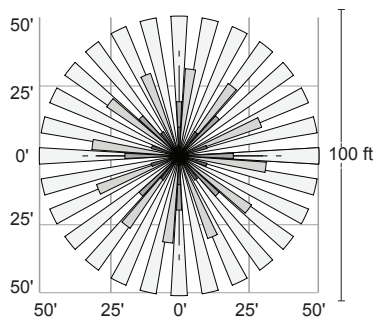
## COVERAGE



**FSP-L2 top and side coverage patterns**



**FSP-L3 top and side coverage patterns**



**FSP-L7 top and side coverage patterns**

| PGS-S-LD LED SPECIFICATIONS / Forward Optics |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|----------------------------------------------|-------|-------------------|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|
| Led Count                                    | Watts | Distribution Type | 70CRI  |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   | 27K    |   |   |   |     | 30K    |   |   |   |     | 35K    |   |   |   |     | 40K    |   |   |   |     | 50K    |   |   |   |     |
|                                              |       |                   | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 24AR                                         | 20W   | T1                | 3173   | 2 | 0 | 2 | 159 | 3115   | 2 | 0 | 2 | 156 | 3115   | 2 | 0 | 2 | 156 | 3006   | 2 | 0 | 2 | 150 | 3141   | 2 | 0 | 2 | 157 |
|                                              |       | T2                | 3091   | 1 | 0 | 1 | 154 | 3035   | 1 | 0 | 1 | 152 | 3035   | 1 | 0 | 1 | 152 | 2929   | 1 | 0 | 1 | 146 | 3060   | 1 | 0 | 1 | 153 |
|                                              |       | T3                | 3122   | 1 | 0 | 1 | 156 | 3066   | 1 | 0 | 1 | 153 | 3066   | 1 | 0 | 1 | 153 | 2958   | 1 | 0 | 1 | 148 | 3091   | 1 | 0 | 1 | 154 |
|                                              |       | T3L               | 2841   | 1 | 0 | 1 | 142 | 2789   | 1 | 0 | 1 | 139 | 2789   | 1 | 0 | 1 | 139 | 2691   | 1 | 0 | 1 | 135 | 2813   | 1 | 0 | 1 | 141 |
|                                              |       | T4                | 3163   | 1 | 0 | 2 | 158 | 3105   | 1 | 0 | 1 | 155 | 3105   | 1 | 0 | 1 | 155 | 2996   | 1 | 0 | 1 | 150 | 3131   | 1 | 0 | 1 | 156 |
|                                              |       | T4A               | 3267   | 1 | 0 | 1 | 163 | 3208   | 1 | 0 | 1 | 160 | 3208   | 1 | 0 | 1 | 160 | 3095   | 1 | 0 | 1 | 155 | 3235   | 1 | 0 | 1 | 162 |
|                                              |       | T4L               | 3095   | 1 | 0 | 1 | 155 | 3039   | 1 | 0 | 1 | 152 | 3039   | 1 | 0 | 1 | 152 | 2932   | 1 | 0 | 1 | 147 | 3064   | 1 | 0 | 1 | 153 |
|                                              |       | T5SR              | 3261   | 2 | 0 | 1 | 163 | 3202   | 2 | 0 | 1 | 160 | 3202   | 2 | 0 | 1 | 160 | 3090   | 2 | 0 | 1 | 154 | 3229   | 2 | 0 | 1 | 161 |
|                                              |       | T5LR              | 3077   | 2 | 0 | 1 | 154 | 3022   | 2 | 0 | 1 | 151 | 3022   | 2 | 0 | 1 | 151 | 2915   | 2 | 0 | 1 | 146 | 3047   | 2 | 0 | 1 | 152 |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
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|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
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|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
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|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
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|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |
|                                              |       |                   |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |        |   |   |   |     |



| PGS-S-LD LED SPECIFICATIONS / Forward Optics |       |                   |        |      |      |   |     |        |     |      |   |     |        |     |      |   |     |        |     |      |   |     |        |     |      |   |     |
|----------------------------------------------|-------|-------------------|--------|------|------|---|-----|--------|-----|------|---|-----|--------|-----|------|---|-----|--------|-----|------|---|-----|--------|-----|------|---|-----|
| Led Count                                    | Watts | Distribution Type | 80CRI  |      |      |   |     |        |     |      |   |     |        |     |      |   |     |        |     |      |   |     |        |     |      |   |     |
|                                              |       |                   | 27K    |      |      |   |     | 30K    |     |      |   |     | 35K    |     |      |   |     | 40K    |     |      |   |     | 50K    |     |      |   |     |
|                                              |       |                   | Lumens | B    | U    | G | LPW | Lumens | B   | U    | G | LPW | Lumens | B   | U    | G | LPW | Lumens | B   | U    | G | LPW | Lumens | B   | U    | G | LPW |
| 24AR                                         | 20W   | T1                | 2820   | 2    | 0    | 2 | 141 | 2775   | 2   | 0    | 2 | 139 | 2775   | 2   | 0    | 2 | 139 | 2724   | 2   | 0    | 2 | 136 | 2978   | 2   | 0    | 2 | 149 |
|                                              |       | T2                | 2748   | 1    | 0    | 1 | 137 | 2704   | 1   | 0    | 1 | 135 | 2704   | 1   | 0    | 1 | 135 | 2655   | 1   | 0    | 1 | 133 | 2901   | 1   | 0    | 1 | 145 |
|                                              |       | T3                | 2775   | 1    | 0    | 1 | 139 | 2731   | 1   | 0    | 1 | 137 | 2731   | 1   | 0    | 1 | 137 | 2681   | 1   | 0    | 1 | 134 | 2930   | 1   | 0    | 1 | 146 |
|                                              |       | T3L               | 2525   | 1    | 0    | 1 | 126 | 2485   | 1   | 0    | 1 | 124 | 2485   | 1   | 0    | 1 | 124 | 2440   | 1   | 0    | 1 | 122 | 2666   | 1   | 0    | 1 | 133 |
|                                              |       | T4                | 2811   | 1    | 0    | 1 | 141 | 2767   | 1   | 0    | 1 | 138 | 2767   | 1   | 0    | 1 | 138 | 2716   | 1   | 0    | 1 | 136 | 2968   | 1   | 0    | 1 | 148 |
|                                              |       | T4A               | 2904   | 1    | 0    | 1 | 145 | 2858   | 1   | 0    | 1 | 143 | 2858   | 1   | 0    | 1 | 143 | 2806   | 1   | 0    | 1 | 140 | 3066   | 1   | 0    | 1 | 153 |
|                                              |       | T4L               | 2751   | 1    | 0    | 1 | 137 | 2707   | 1   | 0    | 1 | 135 | 2707   | 1   | 0    | 1 | 135 | 2658   | 1   | 0    | 1 | 133 | 2905   | 1   | 0    | 1 | 145 |
|                                              |       | T5SR              | 2899   | 2    | 0    | 1 | 145 | 2853   | 2   | 0    | 1 | 143 | 2853   | 2   | 0    | 1 | 143 | 2801   | 2   | 0    | 1 | 140 | 3061   | 2   | 0    | 1 | 153 |
|                                              |       | T5LR              | 2735   | 2    | 0    | 1 | 137 | 2692   | 2   | 0    | 1 | 135 | 2692   | 2   | 0    | 1 | 135 | 2643   | 2   | 0    | 1 | 132 | 2888   | 2   | 0    | 1 | 144 |
|                                              |       | T5LS              | 2805   | 2    | 0    | 1 | 140 | 2761   | 2   | 0    | 1 | 138 | 2761   | 2   | 0    | 1 | 138 | 2710   | 2   | 0    | 1 | 135 | 2962   | 2   | 0    | 1 | 148 |
| 24AR                                         | 30W   | T1                | 4109   | 2    | 0    | 2 | 137 | 4044   | 2   | 0    | 2 | 135 | 4044   | 2   | 0    | 2 | 135 | 3970   | 2   | 0    | 2 | 132 | 4339   | 2   | 0    | 2 | 145 |
|                                              |       | T2                | 4004   | 1    | 0    | 1 | 133 | 3940   | 1   | 0    | 1 | 131 | 3940   | 1   | 0    | 1 | 131 | 3868   | 1   | 0    | 1 | 129 | 4227   | 1   | 0    | 1 | 141 |
|                                              |       | T3                | 4044   | 1    | 0    | 1 | 135 | 3980   | 1   | 0    | 1 | 133 | 3980   | 1   | 0    | 1 | 133 | 3907   | 1   | 0    | 1 | 130 | 4270   | 1   | 0    | 1 | 142 |
|                                              |       | T3L               | 3680   | 1    | 0    | 2 | 123 | 3621   | 1   | 0    | 2 | 121 | 3621   | 1   | 0    | 2 | 121 | 3555   | 1   | 0    | 2 | 118 | 3885   | 1   | 0    | 2 | 129 |
|                                              |       | T4                | 4097   | 1    | 0    | 2 | 137 | 4032   | 1   | 0    | 2 | 134 | 4032   | 1   | 0    | 2 | 134 | 3958   | 1   | 0    | 2 | 132 | 4325   | 1   | 0    | 2 | 144 |
|                                              |       | T4A               | 4232   | 1    | 0    | 1 | 141 | 4165   | 1   | 0    | 1 | 139 | 4165   | 1   | 0    | 1 | 139 | 4089   | 1   | 0    | 1 | 136 | 4468   | 1   | 0    | 1 | 149 |
|                                              |       | T4L               | 4009   | 1    | 0    | 1 | 134 | 3945   | 1   | 0    | 1 | 131 | 3945   | 1   | 0    | 1 | 131 | 3873   | 1   | 0    | 1 | 129 | 4233   | 1   | 0    | 1 | 141 |
|                                              |       | T5SR              | 4224   | 2    | 0    | 1 | 141 | 4157   | 2   | 0    | 1 | 139 | 4157   | 2   | 0    | 1 | 139 | 4081   | 2   | 0    | 1 | 136 | 4460   | 3   | 0    | 1 | 149 |
|                                              |       |                   |        | T5LR | 3986 | 3 | 0   | 1      | 133 | 3923 | 3 | 0   | 1      | 131 | 3923 | 3 | 0   | 1      | 131 | 3851 | 3 | 0   | 1      | 128 | 4209 | 3 | 0   |
|                                              |       | T5LS              | 4088   | 3    | 0    | 1 | 136 | 4023   | 3   | 0    | 1 | 134 | 4023   | 3   | 0    | 1 | 134 | 3949   | 3   | 0    | 1 | 132 | 4316   | 3   | 0    | 1 | 144 |
| 24AR                                         | 40W   | T1                | 5332   | 3    | 0    | 3 | 133 | 5247   | 3   | 0    | 3 | 131 | 5247   | 3   | 0    | 3 | 131 | 5151   | 3   | 0    | 3 | 129 | 5630   | 3   | 0    | 3 | 141 |
|                                              |       | T2                | 5195   | 1    | 0    | 1 | 130 | 5113   | 1   | 0    | 1 | 128 | 5113   | 1   | 0    | 1 | 128 | 5019   | 1   | 0    | 1 | 125 | 5486   | 2   | 0    | 2 | 137 |
|                                              |       | T3                | 5248   | 1    | 0    | 2 | 131 | 5164   | 1   | 0    | 2 | 129 | 5164   | 1   | 0    | 2 | 129 | 5070   | 1   | 0    | 2 | 127 | 5541   | 1   | 0    | 2 | 138 |
|                                              |       | T3L               | 4775   | 1    | 0    | 2 | 119 | 4699   | 1   | 0    | 2 | 117 | 4699   | 1   | 0    | 2 | 117 | 4613   | 1   | 0    | 2 | 115 | 5041   | 2   | 0    | 2 | 126 |
|                                              |       | T4                | 5316   | 1    | 0    | 2 | 133 | 5231   | 1   | 0    | 2 | 131 | 5231   | 1   | 0    | 2 | 131 | 5135   | 1   | 0    | 2 | 128 | 5612   | 1   | 0    | 2 | 140 |
|                                              |       | T4A               | 5491   | 1    | 0    | 1 | 137 | 5404   | 1   | 0    | 1 | 135 | 5404   | 1   | 0    | 1 | 135 | 5305   | 1   | 0    | 1 | 133 | 5798   | 1   | 0    | 1 | 145 |
|                                              |       | T4L               | 5202   | 2    | 0    | 2 | 130 | 5119   | 2   | 0    | 2 | 128 | 5119   | 2   | 0    | 2 | 128 | 5025   | 2   | 0    | 2 | 126 | 5492   | 2   | 0    | 2 | 137 |
|                                              |       | T5SR              | 5481   | 3    | 0    | 1 | 137 | 5394   | 3   | 0    | 1 | 135 | 5394   | 3   | 0    | 1 | 135 | 5295   | 3   | 0    | 1 | 132 | 5787   | 3   | 0    | 1 | 145 |
|                                              |       |                   |        | T5LR | 5172 | 3 | 0   | 2      | 129 | 5090 | 3 | 0   | 2      | 127 | 5090 | 3 | 0   | 2      | 127 | 4997 | 3 | 0   | 2      | 125 | 5461 | 3 | 0   |
|                                              |       | T5LS              | 5304   | 3    | 0    | 1 | 133 | 5220   | 3   | 0    | 1 | 130 | 5220   | 3   | 0    | 1 | 130 | 5124   | 3   | 0    | 1 | 128 | 5600   | 3   | 0    | 1 | 140 |
| 24AR                                         | 50W   | T1                | 6483   | 3    | 0    | 3 | 130 | 6380   | 3   | 0    | 3 | 128 | 6380   | 3   | 0    | 3 | 128 | 6263   | 3   | 0    | 3 | 125 | 6845   | 3   | 0    | 3 | 137 |
|                                              |       | T2                | 6317   | 2    | 0    | 2 | 127 | 6216   | 2   | 0    | 2 | 125 | 6216   | 2   | 0    | 2 | 125 | 6102   | 2   | 0    | 2 | 122 | 6669   | 2   | 0    | 2 | 134 |
|                                              |       | T3                | 6380   | 1    | 0    | 2 | 128 | 6279   | 1   | 0    | 2 | 126 | 6279   | 1   | 0    | 2 | 126 | 6164   | 1   | 0    | 2 | 123 | 6736   | 2   | 0    | 2 | 135 |
|                                              |       | T3L               | 5805   | 2    | 0    | 2 | 116 | 5713   | 2   | 0    | 2 | 114 | 5713   | 2   | 0    | 2 | 114 | 5608   | 2   | 0    | 2 | 112 | 6129   | 2   | 0    | 2 | 123 |
|                                              |       | T4                | 6463   | 2    | 0    | 2 | 129 | 6360   | 2   | 0    | 2 | 127 | 6360   | 2   | 0    | 2 | 127 | 6244   | 1   | 0    | 2 | 125 | 6824   | 2   | 0    | 2 | 137 |
|                                              |       | T4A               | 6677   | 1    | 0    | 1 | 134 | 6571   | 1   | 0    | 1 | 132 | 6571   | 1   | 0    | 1 | 132 | 6450   | 1   | 0    | 1 | 129 | 7049   | 1   | 0    | 1 | 141 |
|                                              |       | T4L               | 6324   | 2    | 0    | 2 | 127 | 6224   | 2   | 0    | 2 | 125 | 6224   | 2   | 0    | 2 | 125 | 6110   | 2   | 0    | 2 | 122 | 6677   | 2   | 0    | 2 | 134 |
|                                              |       | T5SR              | 6664   | 3    | 0    | 1 | 133 | 6558   | 3   | 0    | 1 | 131 | 6558   | 3   | 0    | 1 | 131 | 6438   | 3   | 0    | 1 | 129 | 7036   | 3   | 0    | 1 | 141 |
|                                              |       |                   |        | T5LR | 6288 | 3 | 0   | 2      | 126 | 6188 | 3 | 0   | 2      | 124 | 6188 | 3 | 0   | 2      | 124 | 6075 | 3 | 0   | 2      | 122 | 6639 | 3 | 0   |
|                                              |       | T5LS              | 6449   | 3    | 0    | 2 | 129 | 6346   | 3   | 0    | 2 | 127 | 6346   | 3   | 0    | 2 | 127 | 6230   | 3   | 0    | 2 | 125 | 6809   | 3   | 0    | 2 | 136 |

| PGS-S-LD LED SPECIFICATIONS / Forward Optics |       |                   |        |   |     |      |     |        |   |     |      |     |        |   |     |      |     |        |   |     |      |     |        |   |     |   |     |
|----------------------------------------------|-------|-------------------|--------|---|-----|------|-----|--------|---|-----|------|-----|--------|---|-----|------|-----|--------|---|-----|------|-----|--------|---|-----|---|-----|
| Led Count                                    | Watts | Distribution Type | 90CRI  |   |     |      |     |        |   |     |      |     |        |   |     |      |     |        |   |     |      |     |        |   |     |   |     |
|                                              |       |                   | 27K    |   |     |      |     | 30K    |   |     |      |     | 35K    |   |     |      |     | 40K    |   |     |      |     | 50K    |   |     |   |     |
|                                              |       |                   | Lumens | B | U   | G    | LPW | Lumens | B | U   | G    | LPW | Lumens | B | U   | G    | LPW | Lumens | B | U   | G    | LPW | Lumens | B | U   | G | LPW |
| 24AR                                         | 20W   | T1                | 2389   | 2 | 0   | 2    | 119 | 2360   | 2 | 0   | 2    | 118 | 2360   | 2 | 0   | 2    | 118 | 2338   | 1 | 0   | 1    | 117 | 2525   | 2 | 0   | 2 | 126 |
|                                              |       | T2                | 2328   | 1 | 0   | 1    | 116 | 2299   | 1 | 0   | 1    | 115 | 2299   | 1 | 0   | 1    | 115 | 2278   | 1 | 0   | 1    | 114 | 2460   | 1 | 0   | 1 | 123 |
|                                              |       | T3                | 2351   | 1 | 0   | 1    | 118 | 2323   | 1 | 0   | 1    | 116 | 2323   | 1 | 0   | 1    | 116 | 2301   | 1 | 0   | 1    | 115 | 2485   | 1 | 0   | 1 | 124 |
|                                              |       | T3L               | 2139   | 1 | 0   | 1    | 107 | 2113   | 1 | 0   | 1    | 106 | 2113   | 1 | 0   | 1    | 106 | 2093   | 1 | 0   | 1    | 105 | 2261   | 1 | 0   | 1 | 113 |
|                                              |       | T4                | 2382   | 1 | 0   | 1    | 119 | 2353   | 1 | 0   | 1    | 118 | 2353   | 1 | 0   | 1    | 118 | 2331   | 1 | 0   | 1    | 116 | 2517   | 1 | 0   | 1 | 126 |
|                                              |       | T4A               | 2461   | 1 | 0   | 1    | 123 | 2430   | 1 | 0   | 1    | 121 | 2430   | 1 | 0   | 1    | 121 | 2408   | 1 | 0   | 1    | 120 | 2600   | 1 | 0   | 1 | 130 |
|                                              |       | T4L               | 2331   | 1 | 0   | 1    | 116 | 2302   | 1 | 0   | 1    | 115 | 2302   | 1 | 0   | 1    | 115 | 2281   | 1 | 0   | 1    | 114 | 2463   | 1 | 0   | 1 | 123 |
|                                              |       | T5SR              | 2456   | 2 | 0   | 1    | 123 | 2426   | 2 | 0   | 1    | 121 | 2426   | 2 | 0   | 1    | 121 | 2403   | 2 | 0   | 1    | 120 | 2595   | 2 | 0   | 1 | 130 |
|                                              |       | T5LR              | 2318   | 2 | 0   | 1    | 116 | 2289   | 2 | 0   | 1    | 114 | 2289   | 2 | 0   | 1    | 114 | 2268   | 2 | 0   | 1    | 113 | 2449   | 2 | 0   | 1 | 122 |
| T5LS                                         | 2377  | 2                 | 0      | 1 | 119 | 2348 | 2   | 0      | 1 | 117 | 2348 | 2   | 0      | 1 | 117 | 2325 | 2   | 0      | 1 | 116 | 2512 | 2   | 0      | 1 | 126 |   |     |
| 24AR                                         | 30W   | T1                | 3482   | 2 | 0   | 2    | 116 | 3439   | 2 | 0   | 2    | 115 | 3439   | 2 | 0   | 2    | 115 | 3407   | 2 | 0   | 2    | 114 | 3679   | 2 | 0   | 2 | 123 |
|                                              |       | T2                | 3392   | 1 | 0   | 1    | 113 | 3351   | 1 | 0   | 1    | 112 | 3351   | 1 | 0   | 1    | 112 | 3319   | 1 | 0   | 1    | 111 | 3585   | 1 | 0   | 1 | 119 |
|                                              |       | T3                | 3426   | 1 | 0   | 1    | 114 | 3384   | 1 | 0   | 1    | 113 | 3384   | 1 | 0   | 1    | 113 | 3353   | 1 | 0   | 1    | 112 | 3621   | 1 | 0   | 1 | 121 |
|                                              |       | T3L               | 3118   | 1 | 0   | 1    | 104 | 3079   | 1 | 0   | 1    | 103 | 3079   | 1 | 0   | 1    | 103 | 3050   | 1 | 0   | 1    | 102 | 3294   | 1 | 0   | 2 | 110 |
|                                              |       | T4                | 3471   | 1 | 0   | 2    | 116 | 3428   | 1 | 0   | 2    | 114 | 3428   | 1 | 0   | 2    | 114 | 3396   | 1 | 0   | 2    | 113 | 3668   | 1 | 0   | 2 | 122 |
|                                              |       | T4A               | 3586   | 1 | 0   | 1    | 120 | 3542   | 1 | 0   | 1    | 118 | 3542   | 1 | 0   | 1    | 118 | 3508   | 1 | 0   | 1    | 117 | 3789   | 1 | 0   | 1 | 126 |
|                                              |       | T4L               | 3396   | 1 | 0   | 1    | 113 | 3355   | 1 | 0   | 1    | 112 | 3355   | 1 | 0   | 1    | 112 | 3323   | 1 | 0   | 1    | 111 | 3589   | 1 | 0   | 1 | 120 |
|                                              |       | T5SR              | 3579   | 2 | 0   | 1    | 119 | 3535   | 2 | 0   | 1    | 118 | 3535   | 2 | 0   | 1    | 118 | 3502   | 2 | 0   | 1    | 117 | 3782   | 2 | 0   | 1 | 126 |
|                                              |       | T5LR              | 3377   | 3 | 0   | 1    | 113 | 3336   | 3 | 0   | 1    | 111 | 3336   | 3 | 0   | 1    | 111 | 3304   | 2 | 0   | 1    | 110 | 3569   | 3 | 0   | 1 | 119 |
| T5LS                                         | 3463  | 2                 | 0      | 1 | 115 | 3421 | 2   | 0      | 1 | 114 | 3421 | 2   | 0      | 1 | 114 | 3389 | 2   | 0      | 1 | 113 | 3660 | 3   | 0      | 1 | 122 |   |     |
| 24AR                                         | 40W   | T1                | 4518   | 2 | 0   | 2    | 113 | 4462   | 2 | 0   | 2    | 112 | 4462   | 2 | 0   | 2    | 112 | 4420   | 2 | 0   | 2    | 110 | 4774   | 3 | 0   | 3 | 119 |
|                                              |       | T2                | 4402   | 1 | 0   | 1    | 110 | 4348   | 1 | 0   | 1    | 109 | 4348   | 1 | 0   | 1    | 109 | 4307   | 1 | 0   | 1    | 108 | 4652   | 1 | 0   | 1 | 116 |
|                                              |       | T3                | 4446   | 1 | 0   | 1    | 111 | 4391   | 1 | 0   | 1    | 110 | 4391   | 1 | 0   | 1    | 110 | 4350   | 1 | 0   | 1    | 109 | 4698   | 1 | 0   | 2 | 117 |
|                                              |       | T3L               | 4045   | 1 | 0   | 2    | 101 | 3996   | 1 | 0   | 2    | 100 | 3996   | 1 | 0   | 2    | 100 | 3958   | 1 | 0   | 2    | 99  | 4275   | 1 | 0   | 2 | 107 |
|                                              |       | T4                | 4504   | 1 | 0   | 2    | 113 | 4448   | 1 | 0   | 2    | 111 | 4448   | 1 | 0   | 2    | 111 | 4407   | 1 | 0   | 2    | 110 | 4759   | 1 | 0   | 2 | 119 |
|                                              |       | T4A               | 4653   | 1 | 0   | 1    | 116 | 4595   | 1 | 0   | 1    | 115 | 4595   | 1 | 0   | 1    | 115 | 4552   | 1 | 0   | 1    | 114 | 4917   | 1 | 0   | 1 | 123 |
|                                              |       | T4L               | 4407   | 2 | 0   | 2    | 110 | 4353   | 2 | 0   | 2    | 109 | 4353   | 2 | 0   | 2    | 109 | 4312   | 2 | 0   | 2    | 108 | 4657   | 2 | 0   | 2 | 116 |
|                                              |       | T5SR              | 4644   | 3 | 0   | 1    | 116 | 4587   | 3 | 0   | 1    | 115 | 4587   | 3 | 0   | 1    | 115 | 4544   | 3 | 0   | 1    | 114 | 4907   | 3 | 0   | 1 | 123 |
|                                              |       | T5LR              | 4382   | 3 | 0   | 1    | 109 | 4328   | 3 | 0   | 1    | 108 | 4328   | 3 | 0   | 1    | 108 | 4288   | 3 | 0   | 1    | 107 | 4631   | 3 | 0   | 1 | 116 |
| T5LS                                         | 4494  | 3                 | 0      | 1 | 112 | 4439 | 3   | 0      | 1 | 111 | 4439 | 3   | 0      | 1 | 111 | 4397 | 3   | 0      | 1 | 110 | 4749 | 3   | 0      | 1 | 119 |   |     |
| 24AR                                         | 50W   | T1                | 5493   | 3 | 0   | 3    | 110 | 5425   | 3 | 0   | 3    | 109 | 5425   | 3 | 0   | 3    | 109 | 5374   | 3 | 0   | 3    | 108 | 5804   | 3 | 0   | 3 | 116 |
|                                              |       | T2                | 5352   | 2 | 0   | 2    | 107 | 5286   | 2 | 0   | 2    | 106 | 5286   | 2 | 0   | 2    | 106 | 5236   | 1 | 0   | 1    | 105 | 5655   | 2 | 0   | 2 | 113 |
|                                              |       | T3                | 5406   | 1 | 0   | 2    | 108 | 5339   | 1 | 0   | 2    | 107 | 5339   | 1 | 0   | 2    | 107 | 5289   | 1 | 0   | 2    | 106 | 5712   | 1 | 0   | 2 | 114 |
|                                              |       | T3L               | 4918   | 1 | 0   | 2    | 99  | 4858   | 1 | 0   | 2    | 97  | 4858   | 1 | 0   | 2    | 97  | 4812   | 1 | 0   | 2    | 96  | 5197   | 2 | 0   | 2 | 104 |
|                                              |       | T4                | 5476   | 1 | 0   | 2    | 110 | 5408   | 1 | 0   | 2    | 108 | 5408   | 1 | 0   | 2    | 108 | 5358   | 1 | 0   | 2    | 107 | 5786   | 1 | 0   | 2 | 116 |
|                                              |       | T4A               | 5657   | 1 | 0   | 1    | 113 | 5587   | 1 | 0   | 1    | 112 | 5587   | 1 | 0   | 1    | 112 | 5535   | 1 | 0   | 1    | 111 | 5978   | 1 | 0   | 1 | 120 |
|                                              |       | T4L               | 5358   | 2 | 0   | 2    | 107 | 5292   | 2 | 0   | 2    | 106 | 5292   | 2 | 0   | 2    | 106 | 5243   | 2 | 0   | 2    | 105 | 5662   | 2 | 0   | 2 | 113 |
|                                              |       | T5SR              | 5646   | 3 | 0   | 1    | 113 | 5577   | 3 | 0   | 1    | 112 | 5577   | 3 | 0   | 1    | 112 | 5524   | 3 | 0   | 1    | 111 | 5966   | 3 | 0   | 1 | 120 |
|                                              |       | T5LR              | 5328   | 3 | 0   | 2    | 107 | 5262   | 3 | 0   | 2    | 105 | 5262   | 3 | 0   | 2    | 105 | 5213   | 3 | 0   | 2    | 104 | 5630   | 3 | 0   | 2 | 113 |
| T5LS                                         | 5464  | 3                 | 0      | 1 | 109 | 5397 | 3   | 0      | 1 | 108 | 5397 | 3   | 0      | 1 | 108 | 5346 | 3   | 0      | 1 | 107 | 5774 | 3   | 0      | 1 | 116 |   |     |