

# CONCOURSE LED Specifications



Project Name:

Catalog Number:

Type:

The **Concourse LED** series features the most advanced LED system available today. The Concourse is a IES full cutoff luminaire, to restrict light trespass, glare and light pollution for neighborhood-friendly outdoor lighting.

The one enclosure size Concourse LED series is offered in five distribution patterns, including a special forward throw T4A optic for auto dealership front row lighting. The optic system allows for the use of fewer fixtures and poles with wider spacing providing substantial equipment, installation and energy cost savings.

The housing features a smoothly contoured dome top and three decorative circular reveals to accent the shape. Computerized precision machinery and quality materials ensure manufacturing to the highest industry standards.

The **Concourse LED** is an excellent choice for auto dealerships, shopping centers, parking lots and general area lighting. The Concourse LED is available from 36 watts thru 209 watts and is offered in 3000K, 4000K or 5000K as a standard to provide excellent efficiency, lumen maintenance and color.

## Ordering Information

| MODEL   | OPTICS                             | LEDs        | CURRENT           | KELVIN             | VOLTAGE                | MOUNTING   | FINISH                       | OPTIONS  | OPTIONS   |
|---------|------------------------------------|-------------|-------------------|--------------------|------------------------|--|------------------------------|--|---|
| CON-2-L | <b>T1</b><br>Type 1                | <b>32LC</b> | <b>3</b><br>350mA | <b>3K</b><br>3000K | <b>UNV</b><br>120-277V | <b>BOA6</b><br>Arm Mount 6"  | <b>BZ</b><br>Bronze          | <b>PCR-120</b>   | <b>DIM</b><br>0-10v<br>Dimming<br>Driver                                |
|         | <b>T2</b><br>Type 2                | <b>48LC</b> | <b>5</b><br>530mA | <b>4K</b><br>4000K | <b>8</b><br>347V       | <b>BOA10</b><br>Arm Mount<br>10"   | <b>BK</b><br>Black           | <b>PCR-208</b>   |   |
|         | <b>T3</b><br>Type 3                | <b>64LC</b> | <b>7</b><br>700mA | <b>5K</b><br>5000K | <b>5</b><br>480V       | <b>SM</b><br>Spider Mount<br>Fits 2 3/8"<br>O.D.   | <b>SBK</b><br>Smooth Black   | <b>PCR-240</b>   | <b>VWC</b><br>Visionaire<br>Wireless<br>Controls<br>*Consult<br>Factory |
|         | <b>T4</b><br>Type 4                | <b>96LC</b> |                   |                    |                        |  | <b>WH</b><br>White           | <b>PCR-277</b>   |   |
|         | <b>T4A</b><br>Type 4<br>Automotive |             |                   |                    |                        | <b>WM</b><br>Wall Mount<br>*Cast Wall<br>Plate (BAWP)<br>to be ordered<br>separately     | <b>SWH</b><br>Smooth White   | <b>PCR-347</b>   |   |
|         | <b>T5</b><br>Type 5                |             |                   |                    |                        | <small>Round Pole Plate<br/>Adaptors (RPP) are<br/>to be ordered<br/>separately.</small> | <b>GP</b><br>Graphite        | <b>PCR-480</b><br>Photocell &<br>Receptacle  | <b>RPP</b><br>Round Pole<br>Plate Adaptor                               |
|         | <b>T5W</b><br>Type 5 Wide          |             |                   |                    |                        |  | <b>GY</b><br>Grey            | <b>PER</b><br><b>5PINPER</b><br><b>7PINPER</b><br>3, 5, OR 7 Pin<br>Photo<br>Receptacle<br>w/shorting cap<br>Requires<br>Dimming Driver                        | <b>ROT-R</b><br>Rotated<br>Optics<br>Right Side                         |
|         |                                    |             |                   |                    |                        |  | <b>SL</b><br>Silver Metallic | <b>WSC-8</b><br>Motion Sensor<br>8' Mounting<br>Height   | <b>ROT-L</b><br>Rotated<br>Optics<br>Left Side                          |
|         |                                    |             |                   |                    |                        |  | <b>CC</b><br>Custom Color    | <b>WSC-20</b><br>Motion Sensor<br>9-20' Mounting<br>Height   | <b>CLS</b><br>Cutoff Louver<br>Shield                                   |
|         |                                    |             |                   |                    |                        |  |                              | <b>WSC-40</b><br>Motion Sensor<br>21-40'<br>Mounting<br>Height<br><small>*WSC options<br/>will require<br/>(1) FSIR 100<br/>remote for<br/>programming</small> |   |

# Features & Specifications

## CONCOURSE

### Housing

• All housings are one-piece spun aluminum, designed and engineered for a weather-tight seal. Concourse LED housings display a decorative external reveal to give the luminaires a distinct appearance. All external hardware is stainless steel.

### Door Assembly

• One-piece, cast-aluminum door assembly with tool-less access.  
• All external hardware is stainless steel.

### Optical System

• The highest lumen output LEDs are utilized in the Concourse LED series. IES distribution Types I, II, II-R, III, IV, IV-A, V, and V-W are available. LED light assemblies come in multiples of 16 (minimum 32 to maximum 96 LEDs). The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.  
• CRI values are 70.

### Quali-Guard® Finish

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

• Finish is guaranteed for five (5) years.

### Mounting

• A rounded extruded aluminum, Bolt-On Arm (BOA), with an in-pole nut plate, securing two half-inch zinc running bolts, with stainless steel hardware is standard. A Round Pole Plate Adaptor (RPP) is required for mounting to 3" through 5" round poles.

### Electrical Assembly

• The Concourse LED is supplied with a choice of 350, 530 or 700 mA high-performance LED drivers that accept 120 V thru 480 V, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C operations.  
• 10 kV surge protector supplied as standard.

### Warranty

• Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit [VisionaireLighting.com](http://VisionaireLighting.com).

### Options

- Photocell & Receptacle
- Photo Receptacle
- Button Type Photocell
- House Side Light Shield
- Round Pole Plate Adaptor
- Cast Wall Plate

### Listings

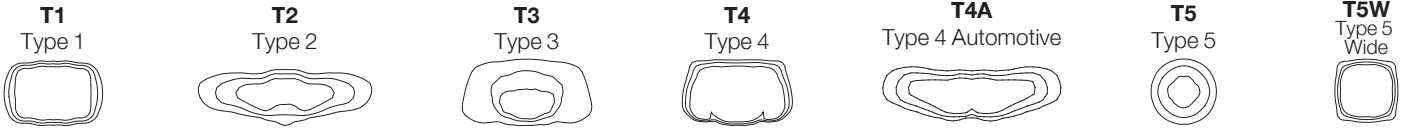
• Concourse is cUL listed, suitable for wet locations.



3000K must be selected for IDA certification.

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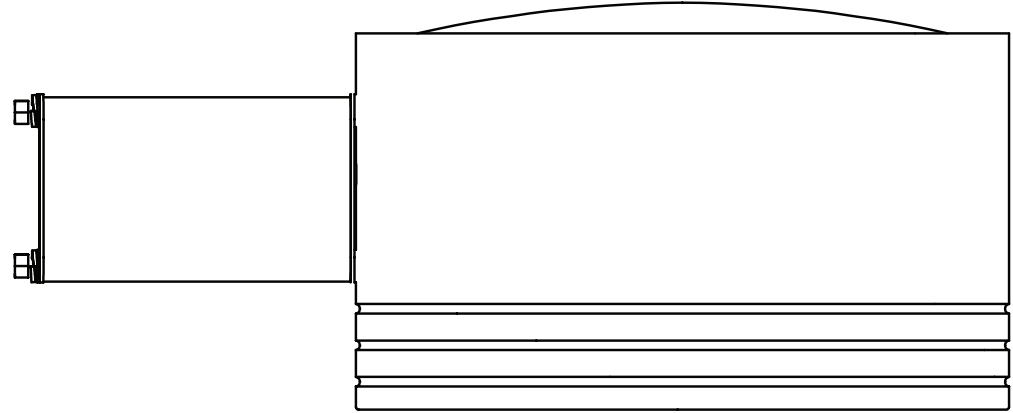
## Photometric Optical Summary



| EPA Data | Fixture with Arm |     |     |     |     |     |     |              |
|----------|------------------|-----|-----|-----|-----|-----|-----|--------------|
|          |                  |     |     |     |     |     |     | Spider Mount |
|          | CON-1            | 1.2 | 1.9 | 2.2 | 3.0 | 3.1 | 3.8 | 1.2          |
| CON-2    | 2.0              | 3.5 | 3.8 | 5.3 | 5.4 | 6.9 | 2.1 |              |

## Dimensions AM

|                |              |
|----------------|--------------|
| <b>Width:</b>  | CON-2 25.25" |
| <b>Height:</b> | CON-2 15.25" |
| <b>Weight:</b> | 34 LBS       |



| Bolt-On Arm Detail  | Cast Wall Plate                           | Spider Mount Detail                           |
|---|---|---|
| <p><b>RPP:</b> Cast aluminum radiused pole plate adaptor for round poles.</p> <p>Nut Plate</p> <p>6" tall Arm Drill Pattern</p> | <p>*For use with standard Bolt-On Arm</p> | <p>*Fits 2<sup>3</sup>/<sub>8</sub>" O.D.</p> |

LED Specifications **CONCOURSE**

| CON 3K    |      |       |     |       |     |       |     |       |     |       |     |       |     |       |     |         |
|-----------|------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|---------|
| # of LEDs | (mA) | T1    | LPW | T2    | LPW | T3    | LPW | T4    | LPW | T4A   | LPW | T5    | LPW | T5W   | LPW | Wattage |
| 32        | 350  | 5066  | 141 | 4526  | 126 | 4884  | 136 | 4603  | 128 | 5354  | 149 | 4844  | 135 | 4497  | 125 | 36      |
|           | 530  | 7367  | 132 | 6583  | 118 | 7103  | 127 | 6694  | 120 | 7786  | 139 | 7045  | 126 | 6540  | 117 | 56      |
|           | 700  | 9289  | 129 | 8300  | 115 | 8956  | 124 | 8440  | 117 | 9817  | 136 | 8883  | 123 | 8246  | 115 | 72      |
| 48        | 350  | 7502  | 144 | 6704  | 129 | 7234  | 139 | 6817  | 131 | 7929  | 152 | 7175  | 138 | 6660  | 128 | 52      |
|           | 530  | 10864 | 136 | 9708  | 121 | 10476 | 131 | 9872  | 123 | 11482 | 144 | 10390 | 130 | 9645  | 121 | 80      |
|           | 700  | 13337 | 127 | 11917 | 113 | 12860 | 122 | 12119 | 115 | 14096 | 134 | 12755 | 121 | 11840 | 113 | 105     |
| 64        | 350  | 10070 | 142 | 8998  | 127 | 9710  | 137 | 9151  | 129 | 10643 | 150 | 9631  | 136 | 8940  | 126 | 71      |
|           | 530  | 14385 | 138 | 12854 | 124 | 13870 | 133 | 13071 | 126 | 15203 | 146 | 13757 | 132 | 12770 | 123 | 104     |
|           | 700  | 17944 | 130 | 16034 | 116 | 17302 | 125 | 16306 | 118 | 18965 | 137 | 17161 | 124 | 15930 | 115 | 138     |
| 80        | 350  | 12560 | 148 | 11223 | 132 | 12110 | 142 | 11413 | 134 | 13274 | 156 | 12011 | 141 | 11150 | 131 | 85      |
|           | 530  | 17696 | 139 | 15813 | 125 | 17063 | 134 | 16080 | 127 | 18703 | 147 | 16924 | 133 | 15710 | 124 | 127     |
|           | 700  | 21774 | 124 | 19456 | 111 | 20995 | 120 | 19786 | 113 | 23013 | 132 | 20824 | 119 | 19330 | 110 | 175     |
| 96        | 350  | 14497 | 146 | 12954 | 131 | 13978 | 141 | 13173 | 133 | 15322 | 155 | 13864 | 140 | 12870 | 130 | 99      |
|           | 530  | 20794 | 136 | 18581 | 121 | 20050 | 131 | 18895 | 123 | 21977 | 144 | 19886 | 130 | 18460 | 121 | 153     |
|           | 700  | 25446 | 122 | 22738 | 109 | 24535 | 117 | 23123 | 111 | 26894 | 129 | 24335 | 116 | 22590 | 108 | 209     |
| CON 4K    |      |       |     |       |     |       |     |       |     |       |     |       |     |       |     |         |
| # of LEDs | (mA) | T1    | T1  | T2    | T2  | T3    | T3  | T4    | T4  | T4A   | T4A | T5    | T5  | T5W   | T5W | Wattage |
| 32        | 350  | 5332  | 148 | 4765  | 132 | 5141  | 143 | 4845  | 135 | 5636  | 157 | 5099  | 142 | 4734  | 132 | 36      |
|           | 530  | 7755  | 138 | 6929  | 124 | 7477  | 134 | 7046  | 126 | 8196  | 146 | 7416  | 132 | 6884  | 123 | 56      |
|           | 700  | 9777  | 136 | 8737  | 121 | 9427  | 131 | 8885  | 123 | 10334 | 144 | 9351  | 130 | 8680  | 121 | 72      |
| 48        | 350  | 7897  | 152 | 7056  | 136 | 7614  | 146 | 7176  | 138 | 8346  | 161 | 7552  | 145 | 7011  | 135 | 52      |
|           | 530  | 11436 | 143 | 10219 | 128 | 11027 | 138 | 10392 | 130 | 12087 | 151 | 10937 | 137 | 10153 | 127 | 80      |
|           | 700  | 14039 | 134 | 12545 | 119 | 13536 | 129 | 12757 | 121 | 14838 | 141 | 13426 | 128 | 12463 | 119 | 105     |
| 64        | 350  | 10600 | 149 | 9472  | 133 | 10221 | 144 | 9632  | 136 | 11203 | 158 | 10138 | 143 | 9411  | 133 | 71      |
|           | 530  | 15142 | 146 | 13530 | 130 | 14600 | 140 | 13759 | 132 | 16003 | 154 | 14481 | 139 | 13442 | 129 | 104     |
|           | 700  | 18888 | 137 | 16878 | 122 | 18212 | 132 | 17164 | 124 | 19963 | 145 | 18064 | 131 | 16768 | 122 | 138     |
| 80        | 350  | 13221 | 156 | 11814 | 139 | 12748 | 150 | 12014 | 141 | 13973 | 164 | 12644 | 149 | 11737 | 138 | 85      |
|           | 530  | 18628 | 147 | 16645 | 131 | 17961 | 141 | 16927 | 133 | 19687 | 155 | 17815 | 140 | 16537 | 130 | 127     |
|           | 700  | 22920 | 131 | 20480 | 117 | 22100 | 126 | 20827 | 119 | 24224 | 138 | 21919 | 125 | 20347 | 116 | 175     |
| 96        | 350  | 15260 | 154 | 13636 | 138 | 14714 | 149 | 13867 | 140 | 16128 | 163 | 14594 | 147 | 13547 | 137 | 99      |
|           | 530  | 21888 | 143 | 19559 | 128 | 21105 | 138 | 19890 | 130 | 23134 | 151 | 20933 | 137 | 19432 | 127 | 153     |
|           | 700  | 26785 | 128 | 23935 | 115 | 25827 | 124 | 24340 | 116 | 28309 | 135 | 25616 | 123 | 23779 | 114 | 209     |
| CON 5K    |      |       |     |       |     |       |     |       |     |       |     |       |     |       |     |         |
| # of LEDs | (mA) | T1    | T1  | T2    | T2  | T3    | T3  | T4    | T4  | T4A   | T4A | T5    | T5  | T5W   | T5W | Wattage |
| 32        | 350  | 5117  | 142 | 4572  | 127 | 4934  | 137 | 4650  | 129 | 5408  | 150 | 4893  | 136 | 4542  | 126 | 36      |
|           | 530  | 7441  | 133 | 6649  | 119 | 7175  | 128 | 6762  | 121 | 7865  | 140 | 7116  | 127 | 6606  | 118 | 56      |
|           | 700  | 9382  | 130 | 8384  | 116 | 9047  | 126 | 8526  | 118 | 9916  | 138 | 8973  | 125 | 8329  | 116 | 72      |
| 48        | 350  | 7578  | 146 | 6771  | 130 | 7307  | 141 | 6886  | 132 | 8009  | 154 | 7247  | 139 | 6727  | 129 | 52      |
|           | 530  | 10974 | 137 | 9806  | 123 | 10581 | 132 | 9972  | 125 | 11598 | 145 | 10495 | 131 | 9742  | 122 | 80      |
|           | 700  | 13472 | 128 | 12038 | 115 | 12990 | 124 | 12242 | 117 | 14238 | 136 | 12884 | 123 | 11960 | 114 | 105     |
| 64        | 350  | 10172 | 143 | 9089  | 128 | 9808  | 138 | 9243  | 130 | 10751 | 151 | 9728  | 137 | 9030  | 127 | 71      |
|           | 530  | 14530 | 140 | 12983 | 125 | 14010 | 135 | 13203 | 127 | 15356 | 148 | 13896 | 134 | 12899 | 124 | 104     |
|           | 700  | 18125 | 131 | 16196 | 117 | 17477 | 127 | 16470 | 119 | 19156 | 139 | 17334 | 126 | 16091 | 117 | 138     |
| 80        | 350  | 12687 | 149 | 11336 | 133 | 12233 | 144 | 11528 | 136 | 13408 | 158 | 12133 | 143 | 11263 | 133 | 85      |
|           | 530  | 17875 | 141 | 15973 | 126 | 17235 | 136 | 16243 | 128 | 18892 | 149 | 17095 | 135 | 15869 | 125 | 127     |
|           | 700  | 21994 | 126 | 19653 | 112 | 21207 | 121 | 19986 | 114 | 23245 | 133 | 21034 | 120 | 19525 | 112 | 175     |
| 96        | 350  | 14644 | 148 | 13085 | 132 | 14120 | 143 | 13306 | 134 | 15477 | 156 | 14004 | 141 | 13000 | 131 | 99      |
|           | 530  | 21004 | 137 | 18768 | 123 | 20252 | 132 | 19086 | 125 | 22199 | 145 | 20087 | 131 | 18646 | 122 | 153     |
|           | 700  | 25703 | 123 | 22967 | 110 | 24783 | 119 | 23356 | 112 | 27165 | 130 | 24581 | 118 | 22818 | 109 | 209     |

Visit [www.Visionairelighting.com](http://www.Visionairelighting.com) for up-to-the-minute chart information