



|                  |  |
|------------------|--|
| Project No.      |  |
| Client Name      |  |
| Project Name     |  |
| Project Location |  |
| Project Date     |  |
| Project Status   |  |

Innovative Group  
 Development Management Company  
 181 California Street, 20th floor  
 San Francisco, CA

Turtle & Hughes  
 1551 S. Milliken St. F  
 Ontario, CA 91761

100 Halcyon Dr.  
 San Leandro, CA

Scale: 1" = 50'

Sheet No. 2/20/17  
 Project No.  
 Date  
 Author  
 Checker  
 Designer  
 Engineer

**P-SL-2**  
 Released for Construction  
 Not Released for Construction



**D-Series Size 2 LED Area Luminaire**

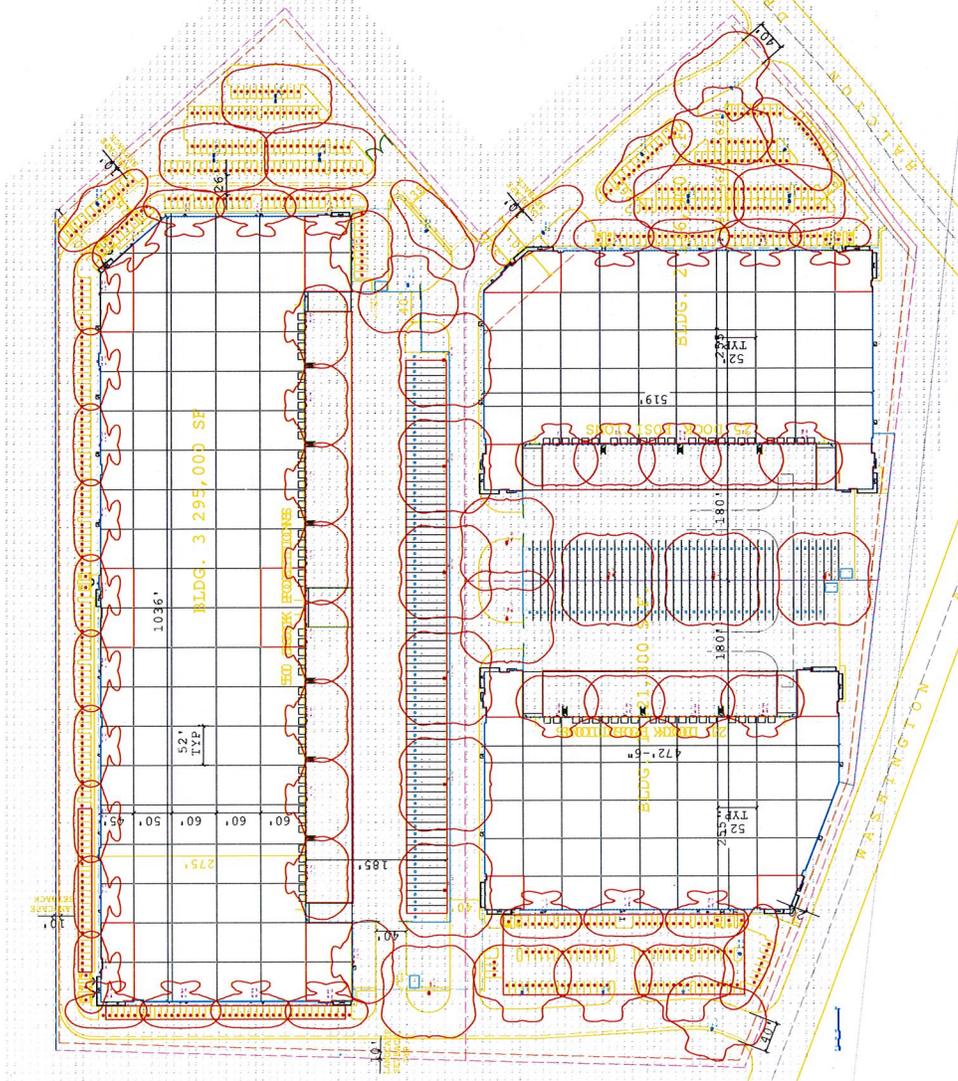
Introduction: This luminaire is designed for use in parking garages and other areas where high ceilings and large areas are required. It features a wide beam spread and high lumen output.

| Beam Angle | Beam Diameter (ft) | Beam Area (sq ft) | Footcandle (fc) |
|------------|--------------------|-------------------|-----------------|
| 10         | 10.0               | 78.5              | 12.7            |
| 15         | 15.0               | 176.7             | 5.6             |
| 20         | 20.0               | 314.2             | 3.9             |
| 25         | 25.0               | 490.9             | 2.6             |
| 30         | 30.0               | 706.9             | 1.8             |
| 35         | 35.0               | 962.3             | 1.3             |
| 40         | 40.0               | 1257.0            | 1.0             |
| 45         | 45.0               | 1591.0            | 0.8             |
| 50         | 50.0               | 1963.5            | 0.6             |
| 55         | 55.0               | 2374.6            | 0.5             |
| 60         | 60.0               | 2823.0            | 0.4             |
| 65         | 65.0               | 3318.8            | 0.3             |
| 70         | 70.0               | 3861.0            | 0.3             |
| 75         | 75.0               | 4448.8            | 0.2             |
| 80         | 80.0               | 5081.0            | 0.2             |
| 85         | 85.0               | 5757.8            | 0.2             |
| 90         | 90.0               | 6478.0            | 0.2             |

**Calculation Summary**

| Label                     | Calc Type   | Units | Avg  | Max  | Min | Avg/Meter | Max/Meter |
|---------------------------|-------------|-------|------|------|-----|-----------|-----------|
| CALC AREA                 | Illuminance | FC    | 0.91 | 1.19 | 0.0 | N.A.      | N.A.      |
| DOCK AREA                 | Illuminance | FC    | 2.14 | 2.8  | 0.6 | 3.57      | 13.00     |
| LEFT SIDE PARKING STALLS  | Illuminance | FC    | 2.12 | 4.5  | 0.0 | N.A.      | N.A.      |
| RIGHT SIDE PARKING STALLS | Illuminance | FC    | 1.31 | 3.5  | 0.3 | 4.37      | 11.67     |
| NORTH PARKING STALLS      | Illuminance | FC    | 2.41 | 4.5  | 1.0 | 2.41      | 4.50      |
| TRUCK PARKING AREA        | Illuminance | FC    | 1.38 | 3.2  | 0.4 | 3.45      | 8.00      |
| WEST BLDG DOCK AREA       | Illuminance | FC    | 1.08 | 3.4  | 0.0 | N.A.      | N.A.      |

**NOTE:** NATIONAL ACCOUNT FUTURE PACKAGE PRICING PROVIDED BY TURTLE AND HUGHES. PLEASE CONTACT (909) 218-8644 OR EMAIL JESSICA.FRIE@TURTLE.COM FOR FUTURE AND CONTROLS PRICING.



| Luminaire Schedule | Symbol | Label    | Arrangement     | Total Lamp Lumens | LLF   | Description                        | Lum. Watts |
|--------------------|--------|----------|-----------------|-------------------|-------|------------------------------------|------------|
| B1-U0-G3           | 12     | 15W      | SINGLE          | N.A.              | 0.950 | DSX1 LED 600 1000 40K 15W MVOLT    | 209        |
| B2-U0-G3           | 6      | T4M HS   | SINGLE          | N.A.              | 0.950 | DSX1 LED 600 1000 40K T4M MVOLT HS | 209        |
| B2-U0-G2           | 25     | WP T2S   | SINGLE          | N.A.              | 0.950 | DSXW2 LED 30C 1000 40K T2S MVOLT   | 109        |
| B2-U0-G2           | 19     | WP T4M   | SINGLE          | N.A.              | 0.950 | DSXW2 LED 30C 1000 40K T4M MVOLT   | 209        |
| B2-U0-G3           | 5      | 2-T4M HS | 2 @ 180 DEGREES | N.A.              | 0.950 | DSX1 LED 600 1000 40K T2M MVOLT HS | 209        |
| B3-U0-G4           | 7      | T4M      | SINGLE          | N.A.              | 0.950 | DSX1 LED 600 1000 40K T4M MVOLT    | 209        |

1 Site Photometric Plan  
 Scale: 1/8" = 1'-0"

PLN17-0003  
 Exhibit EE  
 August 3, 2017