



**Day-Brite/CFI SofTrace LED recessed** is a fully luminous aperture luminaire providing contemporary appeal to architectural spaces. This linear form includes a round profile center and contiguous contoured sides with balanced glare to provide a clean aesthetic appeal. An architectural style coupled with control options makes SofTrace an ideal choice for applications such as office, institutional, and healthcare where energy savings and customized effects are desired.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

Base configurations are indicated in blue.  
Standard configurations are available  
with all choices, unless otherwise noted.

### Ordering guide (standard & wireless controls)

example: 2STZG45L840-4-DS-UNV-DIM-DAYOCC-EM06

Series	Ceiling Type	Lumens (nominal delivered)	Color (CRI/CCT)	Length	Center Diffuser	Voltage	Driver	Options
<b>2STZ</b>	<b>G</b>		-	<b>4</b>	-	-	-	
2STZ SofTrace 2x4' gen 2	G Grid	<b>Base configs</b>	<b>835</b> 80 CRI, 3500K	4 4ft	<b>D</b> Diffuse (ribbed) <b>DS</b> Diffuse (smooth)	<b>UNV</b> Universal Voltage, 120-277V <b>347</b> 347V	<b>DIM<sup>1</sup></b> Dimming <b>SDIM</b> Step dimming to 40% input power <b>LDE1</b> Lutron LDE1, 1% dimming <b>DALI</b> DALI dimming	<b>F1</b> 3/8" flex, 18ga. 6'; 3 leads include hot, neutral, ground
		<b>42B</b> 4200 <b>48B</b> 4800	<b>840</b> 80 CRI, 4000K <b>850</b> 80 CRI, 5000K					<b>F2</b> 3/8" flex, 18ga. 6'; 4 leads include 2 hots, neutral, ground
		<b>Standard configs</b>						<b>F2/5W<sup>8</sup></b> 3/8" single flex, 18ga. 6' (for dimmable); 5 leads include hot, neutral, ground, Dim+ / Dim-
		<b>38L</b> 3800 <b>43L</b> 4300 <b>48L</b> 4800 <b>54L</b> 5400 <b>60L</b> 6000 <b>74L</b> 7400						<b>F2/6W<sup>8</sup></b> 3/8" single flex, 18ga. 6' (for dim & EM); 6 leads include 2 hot, neutral, ground, Dim+ / Dim-
		Other options may be ordered in increments of 100lm from 3800 to 7400lm						<b>GLR</b> Fusing, fast blow <b>DSC</b> Quick driver disconnect <b>CHIC</b> Chicago Plenum rated <b>EM06<sup>4</sup></b> Bodine BSL06T3 6W battery pack <b>EM10<sup>4</sup></b> Bodine BSL10T3 10W battery pack <b>GTD/E<sup>3,5</sup></b> UL924 listed Bodine GTD factory installed on driver input
								<b>GTD/SNSR<sup>3,4,5,6</sup></b> UL924 listed Bodine GTD factory installed between driver & sensor
								<b>DAYOCC<sup>8</sup></b> Basic sensor with daylighting and occupancy
								<b>SWZCS<sup>1,7,8</sup></b> Interact wireless sensor with integral daylight and occupancy sensing, advanced grouping with dwell time
								<b>RADIO<sup>1,7,8</sup></b> Interact RF sensor for wireless connectivity only, no sensing
								<b>IAOSB<sup>1,7,8</sup></b> Interact Pro wireless sensor with occupancy, daylight, & environmental sensing capabilities
								<b>AG</b> Antimicrobial Finish

### Accessories (order separately)

- **FSF424** - 2'x4' surface mount field installation kit (field assembled)
- **FMA24** - 2'x4' "F" mounting frame for NEMA "F" ceiling

### SWZCS accessories (order separately)

- **IRT9015** - handheld remote for grouping and configuration (at least one remote required for any SWZCS installation)

### Replacement Lens

- **STZGD24L** - Replacement Lens
- **STZGD24LC** - Replacement Control Lens
- **STZGDS24L** - Replacement Lens
- **STZGDS24LC** - Replacement Control Lens

### Footnotes

1. Integral controls option dimmable to 5% via wireless wall switch. Non-controls. 0-10v dimmable to 1% for Standard configurations, and to 10% for Base configurations.
2. Specify only with -DIM driver option. (Integrated sensor options)
3. Not available with 347V.(BSL6/10/14, GTD, nor GLR)
4. ER100 not available with Bodine EM battery packs. ER100 only available with sensor options.
5. Must be installed in conjunction with a UL1008 device.
6. Must be ordered with an integral sensing option.
7. Must order IRT9015 Interact commissioning remote with each system order
8. Flex with dimming not available with sensors.
9. Third party sensors also available, please enquire about options for Lutron Athena, Vive, or others.

# STZ SofTrace recessed 2x4

2000 to 7400 lumens

## Application

- Ideal for modern offices, institutional, retail, and healthcare applications.
- Modern architectural styling to complementary space.
- Full width luminous lens provides smooth brightness and high visual comfort.
- Directs a controlled amount of light to higher angles to eliminate "cave effect" without creating glare.
- 80 CRI minimum source provides a balanced spectral power distribution.
- Suitable for use with NEMA G (15/16") and NFG (9/16") suspended t-grid ceilings. NEMA F flange ceilings require the FMA24 accessory (ordered separately).

## Environment

- Rated for dry or damp locations in operating ambient temperatures 0–30°C (32–86°F). Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Not suitable for natatorium environments.

## Construction/Finish

- Robust and durable die-formed embossed steel housing and end caps.
- Molded one-piece acrylic diffuser may be removed without tools for easy replacement.
- T-bar grid clips are built into luminaire end caps for quick and easy installation, no extra parts.
- Sheet metal components are multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.

## Validation

- cETLus listed for use in damp locations
- Rated for direct contact with insulation (IC)
- CCEA Chicago Plenum listed
- ClearAppeal luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers, [www.designlights.org/QPL](http://www.designlights.org/QPL)

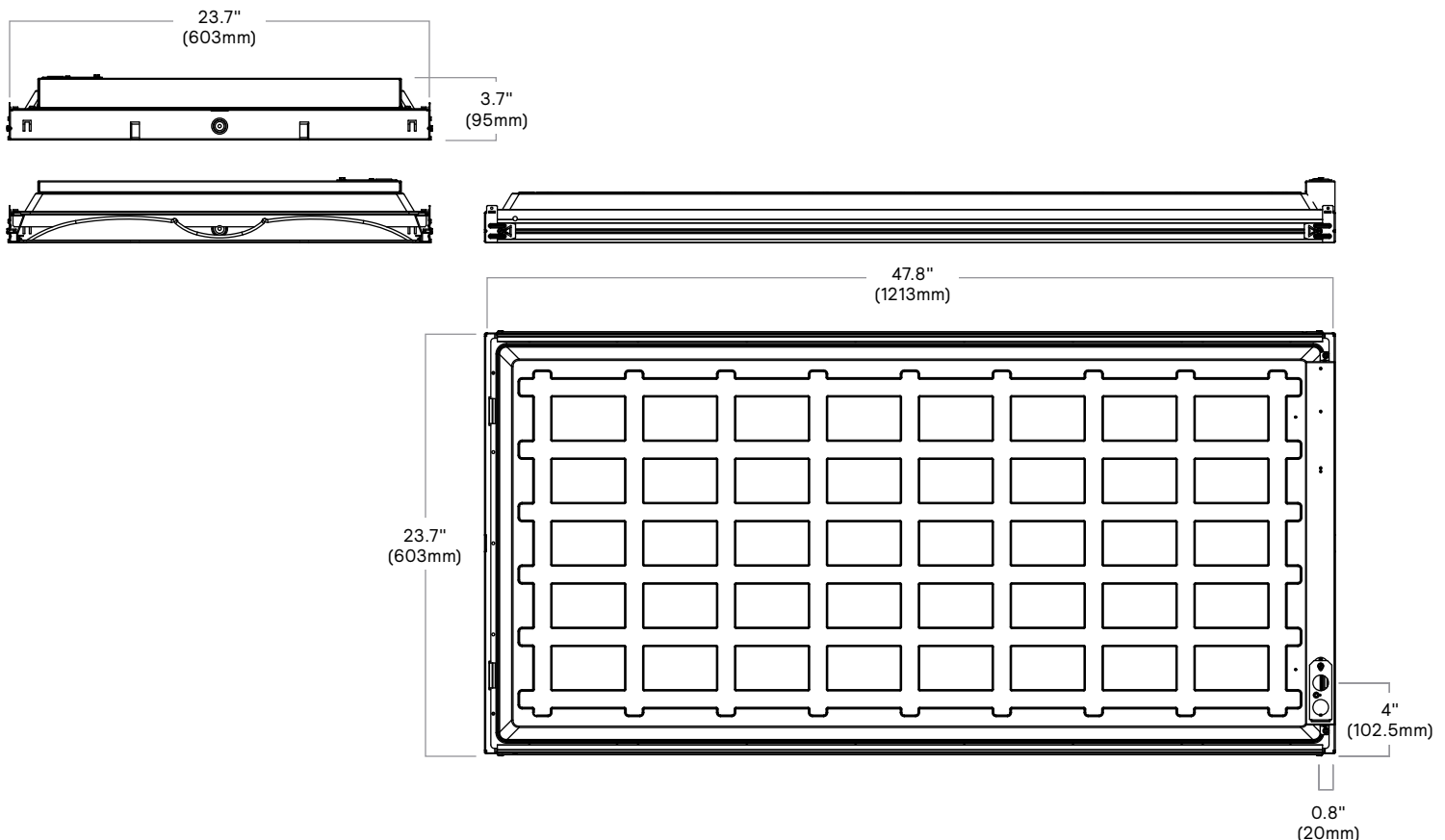
## Electrical

- Non-controls Base configurations 0–10V dimmable to 5%.
- Non-controls Standard configurations 0–10V dimmable to 1%.
- Standard configurations with controls options dimmable via wireless switches (see below).
- Predicted L70 lumen maintenance up to 100,000 hours at 25°C ambient for all configurations.
- Emergency battery packs accessible from above. To estimate lumen output in emergency mode, multiply emergency pack wattage by luminaire efficacy, then by 1.10.
- The GTD/E option is used to bypass wall switches and allow luminaire operation on auxiliary power. Generator transfer requires installation in conjunction with a UL1008 listed device.
- The GTD/SNSR option is used to bypass integrated sensor control in the event of utility power loss. Generator transfer requires installation in conjunction with a UL1008 listed device.
- Compliance to CAN ICES-005-A/ NEB-005-A and FCC Part 15-A.

## Warranty

- 5 year manufacturer's limited warranty. Visit [signify.com/warranties](http://signify.com/warranties) for complete warranty information.

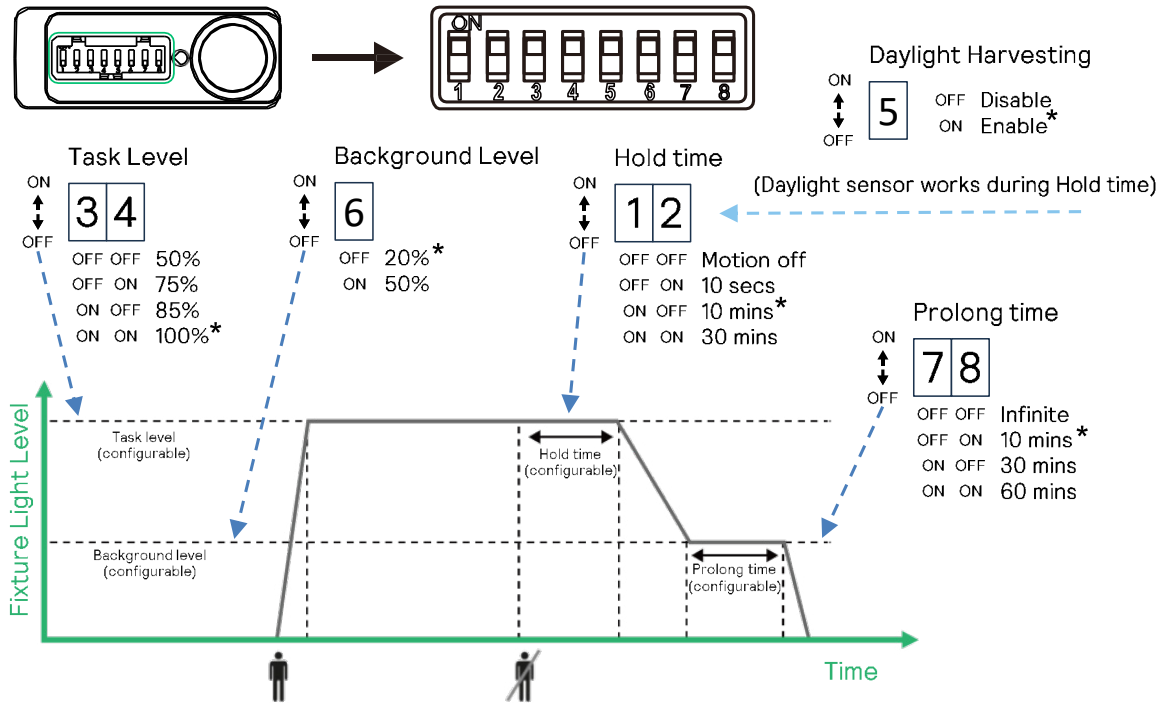
## Dimensions



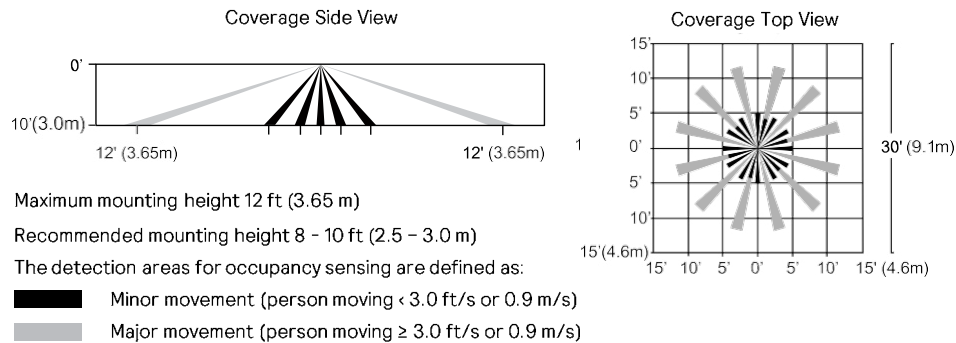
# STZ SofTrace recessed 2x4

2000 to 7400 lumens

## Configurable Parameters (Dip-switches)



## Occupancy Sensing Coverage (ft)



## Configurable settings

- Brightness level: 100% ; 90% ; 80% ; 70%
  - Daylight harvesting: Enable; Disable
  - Hold time: infinite (continuous daylight harvesting)\* : 10 sec; 10min; 30 mins
  - Background level: 20%; 50%
  - Prolong-time: 9 min; 30 min; 60 min; infinite (light always on)
- \* Sensor working as "daylight harvesting only". No occupancy detection

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2000 to 7400 lumens

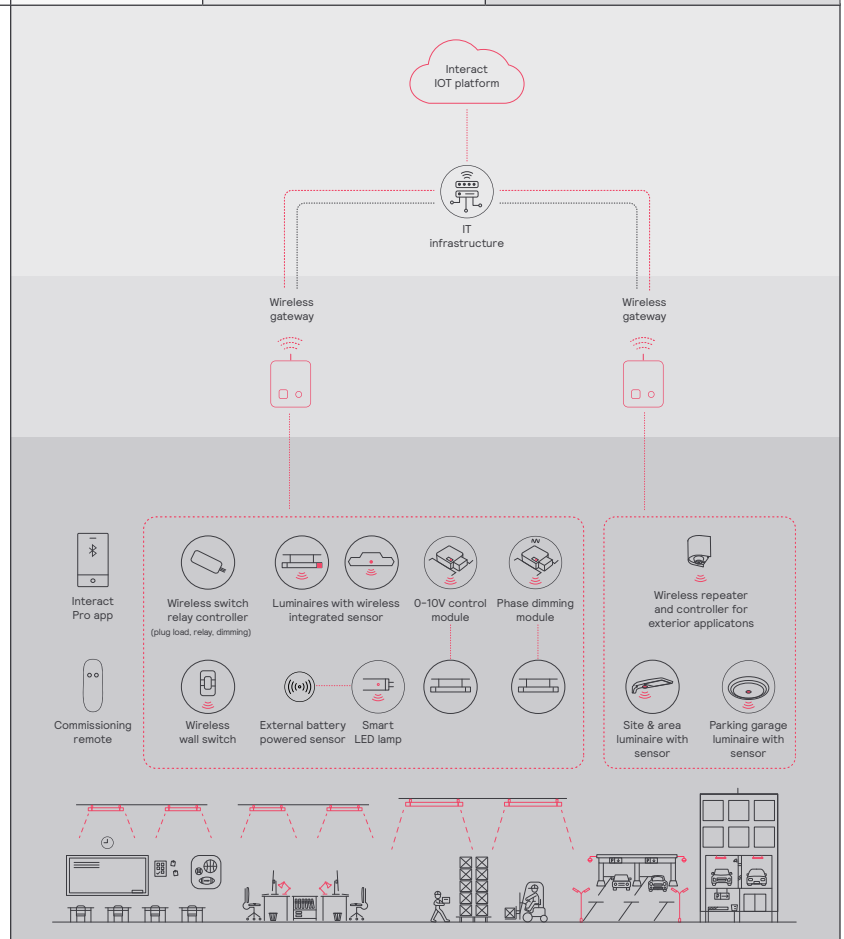
## interact

	Gateway Connected		
	Standalone	Option 1	Option 2
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0-10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Correlated color temperature (CCT) tuning by switch	New	✓	✓
Support for sensor-based Tunable White luminaires	New	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

### Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• Luminaires with integrated sensors	150
• Smart TLEDs	150
• Zones + groups	64
Total number of ZGP devices (sensors and switches)	50
• Sensors	30
• Switches	50
Group level	
Recommended number of lights	40 (maximum 150)
Number of ZGP devices	5
Number of scenes	16



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## Wireless controls options

### Interact

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the standalone mode (similar to SpaceWise) when configured without a gateway or in a cloud connected mode if a compatible gateway is used.
- Interact includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote on-site to identify and group devices together.

#### Compatible with:

- SWS200 & UID8465 wireless scene switch
- Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
- Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
- LCN3110: battery powered IP65 presence sensor, OCC sensor IA CM IP65W
- LCN3120: battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH
- For more information on Interact visit:  
[interact-lighting.com/interactproscalablesystem](http://interact-lighting.com/interactproscalablesystem)

### Radio only sensor (RA or RADIO)

- Integral RA or RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.
- Interact includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non-gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely, identify and group devices together onsite.
- Compatible with SWS200 and UID8465 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact visit:  
[interact-lighting.com/interactproscalablesystem](http://interact-lighting.com/interactproscalablesystem)

### SofTrace shown with integral sensor



### Sensor bundle (IAOSB or SB)

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available. Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- IAOSB or SB option in addition to occupancy and daylights sensing supports advanced IoT capabilities, such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit:  
[interact-lighting.com/interactproscalablesystem](http://interact-lighting.com/interactproscalablesystem)

### Emergency Options (ER100)

- **Power Sensing** (factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output.
- **Power Interruption Detection** (field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output.

## Interact supported sensor option codes across Genlyte Solutions product lines

	Evokit	Day-Brite	Ledalite	Lightolier
ZigBee + Bluetooth + Sensing	SWZCS	SWZCS	CS	SBA accessory (external)
ZigBee + Bluetooth	RADIO	RADIO	RA	RA
ZigBee + Bluetooth + Sensing + Environmental data	IAOSB	IAOSB	SB	SB
ZigBee + Highbay + Sensing	-	SWZCSH	-	-

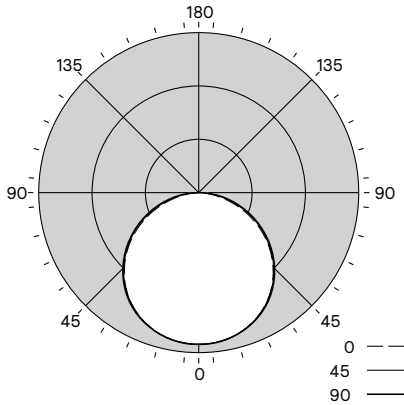
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## Photometry

### 2STZ48L840-4-D-UNV-DIM

Luminaire Lumens 5163  
Luminaire Efficacy Rating (LER) 147  
Total Luminaire Watts 35.2  
Spacing Criterion (0-180) 1.30  
Spacing Criterion (90-270) 1.30



Candela Distribution						Flux
	0	45	90	135	180	Lumens
0	1707	1707	1707	1707	1707	
5	1702	1699	1700	1702	1703	162
15	1652	1651	1654	1654	1654	467
25	1550	1548	1552	1555	1558	716
35	1394	1393	1399	1405	1410	875
45	1182	1185	1193	1201	1207	920
55	928	932	944	954	962	843
65	640	650	667	681	690	659
75	337	355	381	398	407	399
85	82	100	116	121	124	124
90	0	0	0	0	0	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---	80				70				50			
Pw---	70	50	30	10	70	50	30	50	30	10	0	0
RCR	0	119	119	119	119	116	116	116	111	111	111	100
	1	108	103	99	95	106	101	97	97	93	90	83
	2	98	90	83	77	96	88	81	84	79	74	68
	3	89	78	70	63	87	77	69	74	67	62	57
	4	82	69	60	53	79	68	60	65	58	52	49
	5	75	62	53	46	73	61	52	59	51	45	42
	6	69	56	46	40	67	55	46	53	45	39	37
	7	64	50	41	35	62	49	41	48	40	35	32
	8	60	46	37	31	58	45	37	44	36	31	29
	9	56	42	34	28	54	41	33	40	33	28	26
	10	52	39	31	25	51	38	31	37	30	25	23

\* Based on a floor reflectance of 0.2

Zonal Lumen Summary				Avg. Luminance (cd/m²)		
Zone	Lumens	%Fixture	%Lamp	0	90	180
0-30	1344	26.0%	26.0%	45	2608	2632
0-40	2220	43.0%	43.0%	55	2524	2568
0-60	3983	77.1%	77.1%	65	2364	2464
0-90	5163	100.0%	100.0%	75	2031	2299
0-180	5163	100.0%	100.0%	85	1459	2069

## Photometry Data

Nominal CRI & CCT			CRI 80, 3500K			CRI 80, 4000K		
	Nominal Lumen Package (lm)	Watts (W)	Flux (lm)	Efficacy (LPW)	UGR	Flux (lm)	Efficacy (LPW)	UGR
2STZG38LXXX-4-DS	3800	26.9	3,990	148.4	19.3	4,136	153.8	19.4
2STZG38LXXX-4-D	3800	26.9	3,662	136.2	19.6	3,809	141.7	19.6
2STZG43BXXX-4-DS	4300	32.6	4,708	144.3	19.9	4,855	148.8	20.0
2STZG43BXXX-4-D	4300	32.6	4,381	134.2	20.2	4,528	138.7	20.3
2STZG43LXXX-4-DS	4300	31.5	4,570	145.0	19.8	4,717	149.6	19.9
2STZG43LXXX-4-D	4300	31.5	4,243	134.6	20.1	4,390	139.2	20.2
2STZG48BXXX-4-DS	4800	37.1	5,256	141.7	20.5	5,402	145.7	20.5
2STZG48BXXX-4-D	4800	37.1	4,928	132.9	20.8	5,075	136.8	20.8
2STZG48LXXX-4-DS	4800	35.2	5,028	142.7	20.1	5,175	16.9	20.2
2STZG48LXXX-4-D	4800	35.2	4,701	133.4	20.4	4,848	137.6	20.5
2STZG54LXXX-4-DS	5400	39.9	5,594	140.3	20.4	5,740	144.0	20.4
2STZG54LXXX-4-D	5400	39.9	5,266	132.1	20.7	5,413	135.8	20.7
2STZG74LXXX-4-DS	7400	53.8	7,236	134.6	21.4	7,383	137.3	21.4
2STZG74LXXX-4-D	7400	53.8	6,909	128.5	21.7	7,055	131.2	21.7