

STT25PC

2" SPOT TRACK LUMINAIRE

Spectrum 2.5" Round TT Series Track Light for Accent Lighting with Up to 1000 Lumens Delivered.

| LUMENS / WATTAGE DATA | | | | |
|-----------------------|----------------------------|-------------------------------|--------------|-----|
| PART NUMBER | SOURCE LUMENS ¹ | DELIVERED LUMENS ² | SYSTEM WATTS | LPW |
| STT25PC 10L | 1000 | 550 | 7.4 | 74 |
| STT25PC 20L | 2000 | 1078 | 13.4 | 80 |

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 82 CRI with 20L 35K MD XX MW NL

FEATURES

Passive cooled LED tracklight. Reflector and accessories are easily changed. Zhaga International standard LED module for fixture maintenance and upgrades. High tension friction locking mechanism for aiming and rotation. Wide array of track systems and fixture mounting.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. A wide variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

CONSTRUCTION

Fixture is fabricated from machined aluminum.

ELECTRONICS

LED module features state of the art, high efficiency LEDs. 3-step MacAdam Ellipse binning with 80 and 90 CRI available. DS2W1 ELV/TRIAC phase cut driver dims smooth to 1%. 0-10V 1% 120V and 277V options.

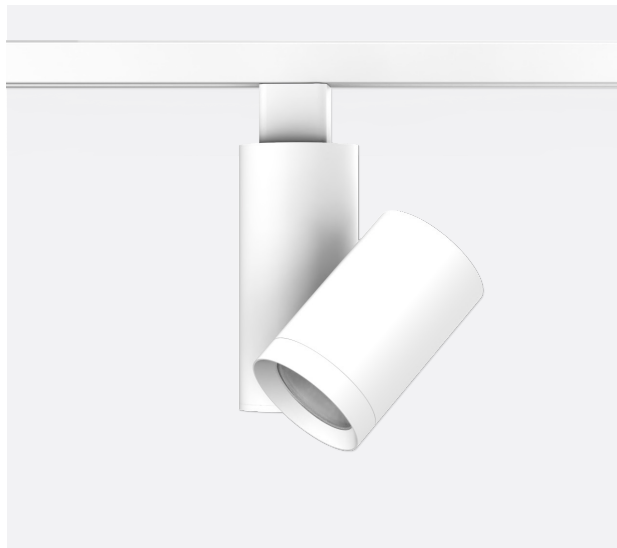
CODE COMPLIANCE

BAA Compliant. ETL Listed for dry location. Manufactured and tested to UL Standards No. 1574.

WARRANTY

5 year warranty is Standard. L70 > 60,000 hours.

PROJECT: _____
 QUANTITY: _____ TYPE: _____



PRODUCT SELECTOR GUIDE

| SERIES | LUMENS ¹ | CCT | OPTICS | DRIVER / VOLTAGE | ADAPTOR | FINISH | ACCESSORIES |
|---------|---------------------|-----|--------|------------------|---------|--------|-------------|
| STT25PC | | | | | | | + |

EXAMPLE

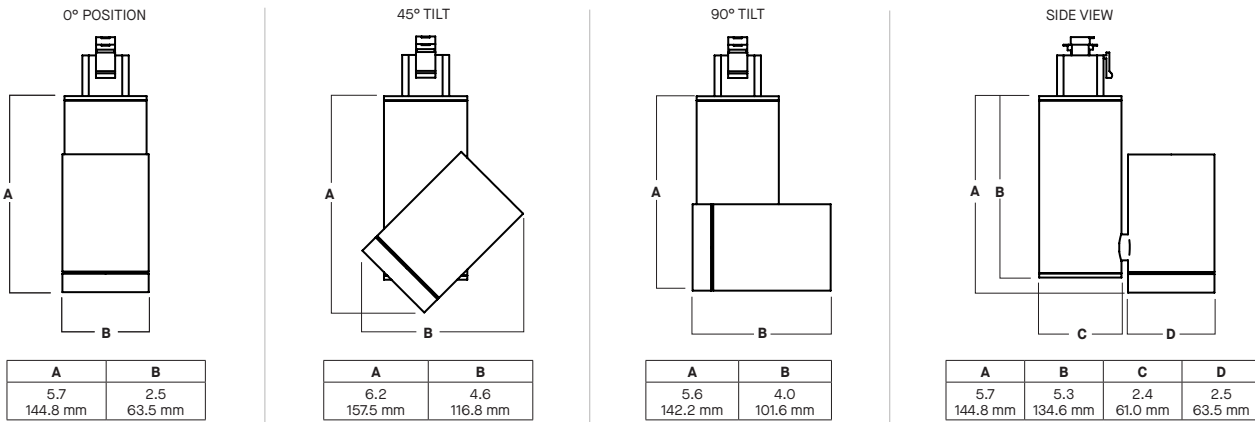
| | | | | | | | |
|---------|-----|-----|----|----|-------|----|---|
| STT25PC | 10L | 35K | MD | E1 | GES66 | MW | + |
|---------|-----|-----|----|----|-------|----|---|

| SERIES | LUMENS ¹ | CCT | OPTICS | DRIVER / VOLTAGE | ADAPTOR | FINISH ² | ACCESSORIES | | |
|---------|---|------------|----------|------------------|--|---|---|--|--|
| STT25PC | 80 CRI | | MD WD | 34° 49° | E1 Electronic Driver, 120V 1%, ELV/TRIAC Phase Cut Dimming, 120V Also Used For Non-Dimming 120V | BET GES66 TEK100 | Basix 1 CIR/1 NEUT 120V Global GES 1 CIR/1 NEUT 120V Global TEK 2 CIR/2 NEUT 120V | MW ³ Matte White MB ³ Matte Black PT ³ Platinum Silver CC Custom Color <small>² See Color Page for More Options/ Consult Factory for Special Finishes ³ Standard Finishes</small> | ORDER SEPARATELY LN2ASO Solite Diffuse Lens BET70WH Mono Point Canopy White BET70BK Mono Point Canopy Black |
| | 10L 550 Lm | 27K 2700K | | | | | | | |
| | 20L 1100 Lm | 30K 3000K | | | D0101 1%, 0-10V Dimming, 120V | HTEK100 Global TEK 2 CIR/2 NEUT 277V | | | |
| | 35K 3500K | 40K 4000K | | | | | | | |
| | 90 CRI | | | | D0102 1%, 0-10V Dimming, 277V | TWD EUTRAC 2 CIR/2 NEUT 277V, 0-10V Dimmable | | | |
| | 10L 550 Lm | 27HK 2700K | | | | | | | |
| | 20L 1100 Lm | 30HK 3000K | | | | | | | |
| | | 35HK 3500K | | | | | | | |
| | | | | | 40HK 4000K | | | | |
| | <small>¹ Nominal Delivered Lumens at Any CCT</small> | | | | | | | | |

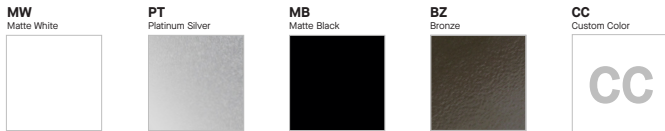


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FIXTURE DIMENSIONS



FINISH



PAINT TIMES

| TIER | COST | AVERAGE PAINT TIME* |
|----------------------------|-----------------|---------------------|
| Tier 1 - Standard Finishes | \$ | 🕒 |
| Custom Color | Contact Factory | Contact Factory |

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

STANDARD PRODUCT FINISHES

| FIXTURE COLOR | STANDARD CORD COLOR / TRACK ADAPTER |
|---------------|-------------------------------------|
| Matte White | Matte White |
| Matte Black | Matte Black |
| All Others | Matte Black |
| Custom Color | Contact Factory |

FIXTURE ACCESSORIES



ADAPTOR

BET
Basix 1 CIR/1 NEUT 120V



GES66
Global GES 1 CIR/1 NEUT 120V



TEK100
Global TEK 2 CIR/2 NEUT 120V



TP3
Global XTSC 3 CIR/1 NEUT 120V,
0-10V Dimmable



HTEK100
Global TEK 2 CIR/2 NEUT 277V



TWD
EUTRAC 2 CIR/2 NEUT 277V,
0-10V Dimmable



STT25PC 20L 35K MD xx MW NL

| CANDLEPOWER CURVE TEST SP-01056 | INTENSITY CANDELA 0° AZIMUTH | ZONAL LUMENS | SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY | | | | MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT | | | | | |
|------------------------------------|------------------------------------|-------------------|--|-------------------|------------------------|-----------------|---|-----------------|---------------------|------|---------------------|------|
| | | | Mounting Distance | FC at Beam Center | Diameter at Beam Angle | FC at Beam Edge | Ceiling Height | Fixture Spacing | RCR 3 | | RCR 5 | |
| | 0° | 0° - 10° 193 18% | 6.5' | 52 fc | 4.7' | 22 fc | 14' | 4' | 54 | 0.70 | 52 | 0.76 |
| | 0° 2205 | 0° - 20° 591 55% | 7.5' | 39 fc | 5.4' | 16 fc | 18' | 6' | 28 | 0.37 | 27 | 0.40 |
| | 5° 2132 | 0° - 30° 882 82% | 8.5' | 31 fc | 6.1' | 13 fc | 22' | 8' | 13 | 0.17 | 11 | 0.16 |
| | 15° 1465 | 0° - 40° 966 90% | 10.0' | 22 fc | 7.2' | 9 fc | Delivered Illuminance Rating: (DIR) | | 77 FC per W/Sq. Ft. | | 69 FC per W/Sq. Ft. | |
| | 25° 665 | 0° - 60° 1031 96% | 12.0' | 15 fc | 8.6' | 6 fc | 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor | | | | | |
| | 35° 119 | 0° - 80° 1063 99% | 14.0' | 11 fc | 10.0' | 5 fc | | | | | | |
| | 45° 54 | 0° - 90° 1066 99% | 16.0' | 9 fc | 11.5' | 4 fc | | | | | | |
| | 55° 41 | Total 1078 100% | 20.0' | 6 fc | 14.3' | 2 fc | | | | | | |
| | 90° 2 | | | | | | | | | | | |

Delivered Lumens: 1078 CP at 0° (Nadir): 2205 Beam Angle: 39° Lumen Multiplier: 10L x 0.51
 Luminaire Watts: 13.4 Spacing Ratio: 0.63 CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03
 LER: 80.45 CRI: 80

STT25PC 20L 35K WD xx MW NL

| CANDLEPOWER CURVE TEST SP-01057 | INTENSITY CANDELA 0° AZIMUTH | ZONAL LUMENS | SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY | | | | MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT | | | | | |
|------------------------------------|------------------------------------|-------------------|--|-------------------|------------------------|-----------------|---|-----------------|---------------------|------|---------------------|------|
| | | | Mounting Distance | FC at Beam Center | Diameter at Beam Angle | FC at Beam Edge | Ceiling Height | Fixture Spacing | RCR 3 | | RCR 5 | |
| | 0° | 0° - 10° 176 15% | 6.5' | 47 fc | 5.3' | 19 fc | 10' | 4' | 57 | 0.72 | 51 | 0.71 |
| | 0° 1972 | 0° - 20° 577 51% | 7.5' | 35 fc | 6.1' | 14 fc | 14' | 6' | 32 | 0.39 | 20 | 0.27 |
| | 5° 1905 | 0° - 30° 907 80% | 8.5' | 27 fc | 6.9' | 11 fc | 18' | 8' | 17 | 0.21 | 10 | 0.14 |
| | 15° 1462 | 0° - 40° 1021 90% | 10.0' | 20 fc | 8.1' | 8 fc | Delivered Illuminance Rating: (DIR) | | 80 FC per W/Sq. Ft. | | 72 FC per W/Sq. Ft. | |
| | 25° 743 | 0° - 60° 1091 96% | 12.0' | 14 fc | 9.7' | 5 fc | 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor | | | | | |
| | 35° 160 | 0° - 80° 1121 99% | 14.0' | 10 fc | 11.3' | 4 fc | | | | | | |
| | 45° 61 | 0° - 90° 1124 99% | 16.0' | 8 fc | 12.9' | 3 fc | | | | | | |
| | 55° 37 | Total 1137 100% | 20.0' | 5 fc | 16.2' | 2 fc | | | | | | |
| | 90° 2 | | | | | | | | | | | |

Delivered Lumens: 1137 CP at 0° (Nadir): 1972 Beam Angle: 44° Lumen Multiplier: 10L x 0.51
 Luminaire Watts: 13.4 Spacing Ratio: 0.71 CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03
 LER: 84.85 CRI: 80

HOW TO USE PERFORMANCE DATA

| SINGLE UNIT | MULTIPLE UNITS |
|--|--|
| <p>One of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> • CP Candela at 0° (Nadir) • Cos θ Cosine of θ Angle • D Distance (Mounting Height AFF) • FC_H Footcandles, Horizontal • Beam Angle Cone of light to 50% max. CP • Beam Diam. Pattern of light at Beam Angle | <p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> • To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ • To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ • To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ • To estimate Watts/Sq. Ft.: $W / \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$ |

STT25PC 20L 35K MD xx MW LN2ASO

| CANDLEPOWER CURVE TEST SP-01056_1 | INTENSITY CANDELA 0° AZIMUTH | ZONAL LUMENS | | SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY | | | | MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT | | | | | | | |
|--------------------------------------|------------------------------------|--------------|----------|--|------|-------------------|-------------------|---|-----------------|---|-----------------|---------------------|------|---------------------|------|
| | | 0° | 0° - 10° | 162 | 17% | Mounting Distance | FC at Beam Center | Diameter at Beam Angle | FC at Beam Edge | Ceiling Height | Fixture Spacing | RCR 3 | | RCR 5 | |
| | 0° | 1830 | 0° - 20° | 501 | 52% | 6.5' | 43 fc | 4.7' | 18 fc | 14' | 4' | 48 | 0.70 | 46 | 0.76 |
| | 5° | 1762 | 0° - 30° | 760 | 79% | 7.5' | 33 fc | 5.4' | 14 fc | 18' | 6' | 25 | 0.37 | 24 | 0.40 |
| | 15° | 1254 | 0° - 40° | 863 | 89% | 8.5' | 25 fc | 6.2' | 11 fc | 22' | 8' | 12 | 0.17 | 10 | 0.16 |
| | 25° | 583 | 0° - 60° | 929 | 96% | 10.0' | 18 fc | 7.3' | 8 fc | Delivered Illuminance Rating: (DIR) | | 68 FC per W/Sq. Ft. | | 61 FC per W/Sq. Ft. | |
| | 35° | 170 | 0° - 80° | 950 | 98% | 12.0' | 13 fc | 8.7' | 5 fc | 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor | | | | | |
| | 45° | 58 | 0° - 90° | 953 | 99% | 14.0' | 9 fc | 10.2' | 4 fc | | | | | | |
| | 55° | 35 | Total | 965 | 100% | 16.0' | 7 fc | 11.6' | 3 fc | | | | | | |
| | 90° | 2 | | | | 20.0' | 5 fc | 14.5' | 2 fc | | | | | | |

Delivered Lumens: 965
Luminaire Watts: 13.4
LER: 72.01

CP at 0° (Nadir): 1830
CRI: 80

Beam Angle: 40°
Spacing Ratio: 0.64

Lumen Multiplier: 10L x 0.51
CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03

STT25PC 20L 35K WD xx MW LN2ASO

| CANDLEPOWER CURVE TEST SP-01057_1 | INTENSITY CANDELA 0° AZIMUTH | ZONAL LUMENS | | SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY | | | | MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT | | | | | | | |
|--------------------------------------|------------------------------------|--------------|----------|--|------|-------------------|-------------------|---|-----------------|---|-----------------|---------------------|------|---------------------|------|
| | | 0° | 0° - 10° | 153 | 15% | Mounting Distance | FC at Beam Center | Diameter at Beam Angle | FC at Beam Edge | Ceiling Height | Fixture Spacing | RCR 3 | | RCR 5 | |
| | 0° | 1686 | 0° - 20° | 498 | 48% | 6.5' | 40 fc | 5.3' | 16 fc | 10' | 4' | 52 | 0.72 | 46 | 0.71 |
| | 5° | 1641 | 0° - 30° | 791 | 77% | 7.5' | 30 fc | 6.1' | 12 fc | 14' | 6' | 29 | 0.39 | 18 | 0.27 |
| | 15° | 1269 | 0° - 40° | 921 | 89% | 8.5' | 23 fc | 6.9' | 9 fc | 18' | 8' | 15 | 0.21 | 9 | 0.14 |
| | 25° | 653 | 0° - 60° | 995 | 97% | 10.0' | 17 fc | 8.1' | 7 fc | Delivered Illuminance Rating: (DIR) | | 73 FC per W/Sq. Ft. | | 65 FC per W/Sq. Ft. | |
| | 35° | 212 | 0° - 80° | 1016 | 98% | 12.0' | 12 fc | 9.7' | 5 fc | 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor | | | | | |
| | 45° | 67 | 0° - 90° | 1018 | 99% | 14.0' | 9 fc | 11.3' | 3 fc | | | | | | |
| | 55° | 34 | Total | 1031 | 100% | 16.0' | 7 fc | 13.0' | 3 fc | | | | | | |
| | 90° | 2 | | | | 20.0' | 4 fc | 16.2' | 2 fc | | | | | | |

Delivered Lumens: 1031
Luminaire Watts: 13.4
LER: 76.94

CP at 0° (Nadir): 1686
CRI: 80

Beam Angle: 44°
Spacing Ratio: 0.70

Lumen Multiplier: 10L x 0.51
CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03

HOW TO USE PERFORMANCE DATA

| SINGLE UNIT | MULTIPLE UNITS |
|---|--|
| <p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> <p>$FC_H = CP \times (\cos \theta) \div D^2$</p> <p>Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> - CP Candela at 0° (Nadir) - Cos θ Cosine of θ Angle - D Distance (Mounting Height AFF) - FC_H Footcandles, Horizontal - Beam Angle Cone of light to 50% max. CP - Beam Diam. Pattern of light at Beam Angle | <p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> - To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ - To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <p>To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$</p> <p>To estimate Watts/Sq. Ft.: $W / \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$</p> |