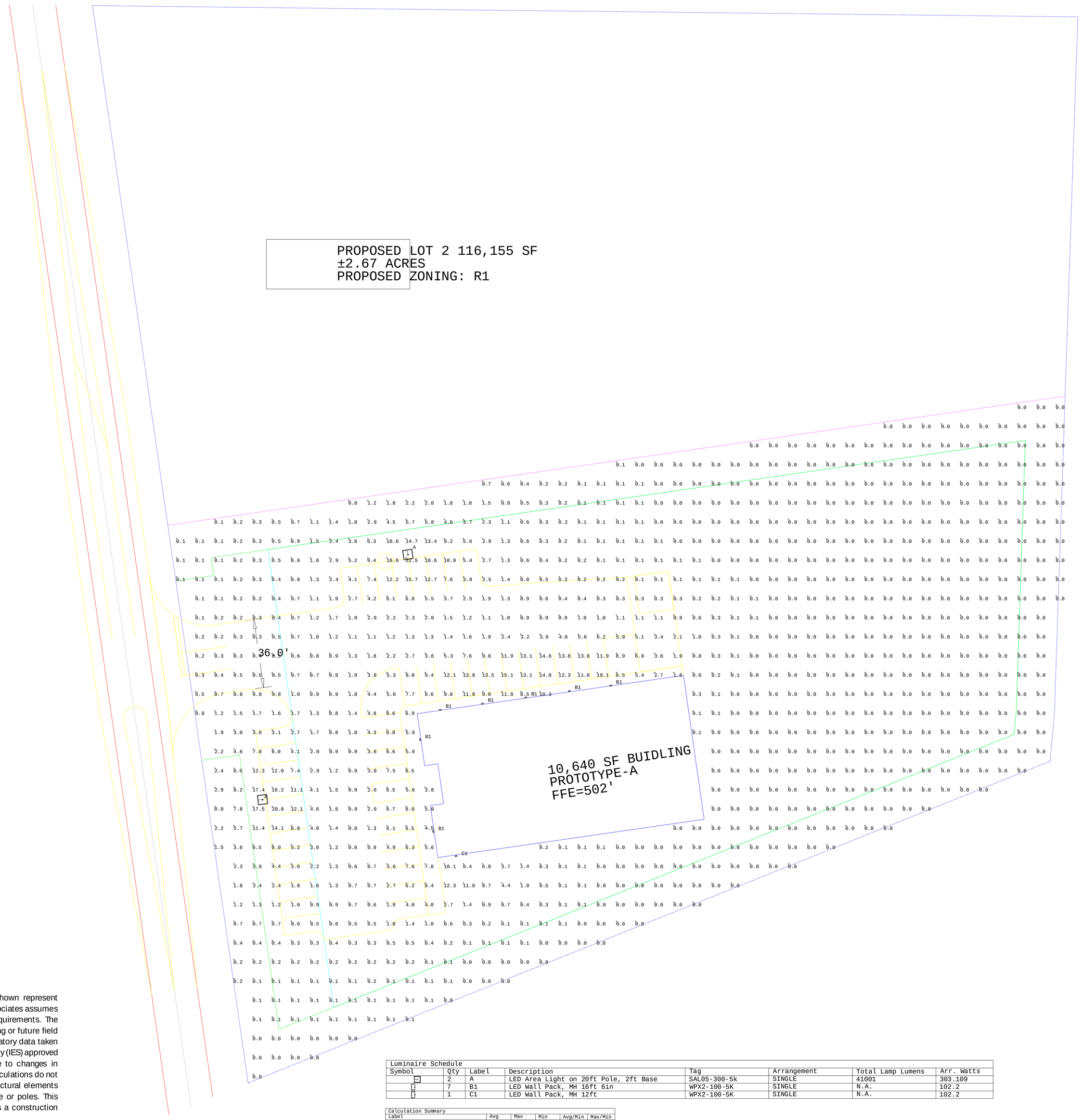


PHOTOMETRIC EVALUATION

NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. By providing this information document, Shannon & Associates assumes no liability in the accuracy of the data provided or compliance to any UDO requirements. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions. This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LEDs and other variable field conditions. Calculations do not Include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Luminaire Schedule

Symbol	Qty	Label	Description	Tag	Arrangement	Total Lamp Lumens	Arr. Watts
▫	2	A	LED Area Light on 20ft Pole, 2ft Base	SAL05-300-5k	SINGLE	41001	303.109
□	7	B1	LED Wall Pack, MH 16ft 6in	WPX2-100-5K	SINGLE	N.A.	102.2
□	1	C1	LED Wall Pack, MH 12ft	WPX2-100-5K	SINGLE	N.A.	102.2

Calculation Summary

Label	Avg	Max	Min	Avg/Min	Max/Min
Property	1.51	22.5	0.0	N.A.	N.A.
Parking Lot	4.24	20.8	0.2	21.20	104.00

PURCHASING INFORMATION
Tom Fulton
(704) 640-6134
t.fulton@shannonandassoc.com

Shannon & Associates
Representing Quality Manufacturers For Over 40 Years
Shannon & Associates
(704) 640-6134
www.shannonandassoc.com

JOB NAME: Dollar General
JOB LOCATION: Pittsboro, NC
DRAWN BY: SA
DRAWING STATUS: REVIEW
DATE: 09/10/24
DWG# SA-090524
PG 1 OF 1

TEKTRON®
Reliable Engineering, Futuristic Design

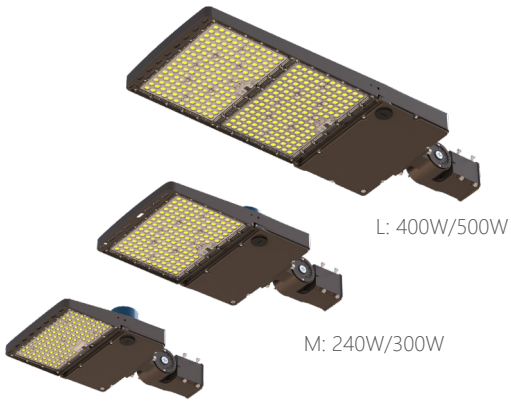
Catalog: TK SAL05 M 3CCT T4	
Project: Dollar General	
Type: A	Date:
Notes:	

LED Shoebox Area Light

TK-SAL05™ Series

Description

TekTron's Shoebox Area Light series provides a secure and versatile lighting solution, unlike mercury vapor, metal halide, and high-pressure sodium lighting fixtures. The product uses Lumileds LED, and can be powered by LiFud, sosen, or DONE driver. They also save on energy and maintenance costs, while being better for the environment.



L: 400W/500W

M: 240W/300W

S: 100W/150W/200W

Applications

It is suitable for parking lots, street lights, and other open spaces such as parks, fields, yards, walkways, and roads.

Quick Ship
TK-SAL05-300W-3CCT-TYPE3-M

IP65 · IK08 · Wattage Selectable · 3CCT Selectable · Dimmable 0-10V · Surge Protection · RoHS COMPLIANT · cULus LISTED · DLC LISTED · CB · CE · ErP · CRI 70+ · 5 YEARS

Specification Features

Controls / Dimming

0-10V dimmable. The fixture comes with the option of an occupancy and photocell sensors. The product has a die-cast structure of aluminum alloy with high thermal conductivity, a powder-coated finish, and a PC lens.

Warranty

5 Years Limited Warranty.
For more information visit us at,
www.technoledlights.com/warrantyinfo

Certification

It complies with UL Listings, DLC lisitings, CB, CE Certified, RoHS Compliant, ErP Certified, IP65 Rated.

Installation / Mounting

The installation process is straight forward and offers a range of mounting possibilities. SF Bracket, EA Bracket YK Bracket, TR Bracket, TR Bracket

Ordering Information

Example: TK-SAL05-300W-50K-CCPS

TK	SAL05	300W	3CCT	TYPE3	PS	Blank
Brand	**Series**	**Watts** (wattage Selectable)	**Color Temp**	**Beam Angle**	**Options**	**Voltage**
TK - TekTron	SAL05 - Shoebox Area light Series 5	S - **100W** - 50W/65W/80W/100W **150W** - 80W/100W/120W/150W **200W** - 100W/120W/150W/200W M - **240W** - 120W/150W/200W/240W **300W** - 150W/200W/240W/300W L - **400W** - 200W/240W/300W/400W **500W** - 240W/300W/400W/500W	**30K** - 3000K 3CCT - **40K** - 4000K **50K** - 5000K 3CCT - **40K** - 4000K **50K** - 5000K **57K** - 5700K *(Optional)*	**T2** Type II **T3** Type III **T4** Type IV **T5** Type V	[Blank] Standard **PS3** - NEMA 3pin Receptacle and Photocell **PS5** - NEMA 5pin Receptacle **PS7** - NEMA 7pin Receptacle	[Blank] AC100-277V *(standard)* AC120-480V *(optional)* AC200-480V *(optional)* **Finish** B - Bronze *(standard)*

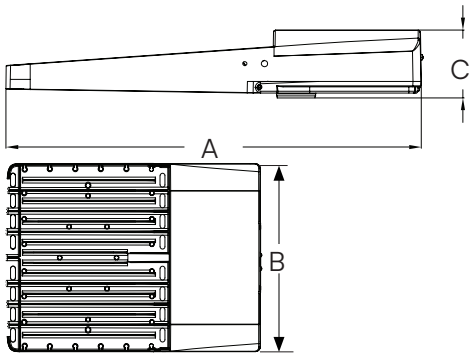
LED Shoebox Area Light

TK-SAL05™ Series

Specification Features

Input Voltage	AC120-277V or AC120-480V or AC200-480V
Color Temperature (3CCT)	3000K/4000K/5000K or 4000K/5000K/5700K
Luminous efficacy (Lm/W)	Upto 160 Lm/W
Color Rendering Index (CRI)	70+
Dimmable	0-10V
Power Factor	≥ 0.90
Operating Temperature	-40°C ~ +45°C
IP Rating	IP 65 Rated
Total Harmonic Distortion (THD)	≤ 20%
Life Span	50,000+ Hrs

Dimensions

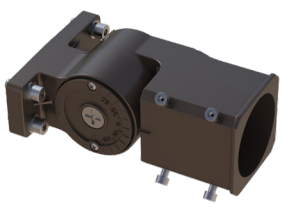


Part Number	A (Length)	B (Width)	C (Height)
TK-SAL05-S (100W-150W-200W)	12.32 inches	11.30 inches	2.52 inches
TK-SAL05-M (240W-300W)	16.57 inches	12.20 inches	2.71 inches
TK-SAL05-L (400W-500W)	26.77 inches	12.17 inches	2.80 inches

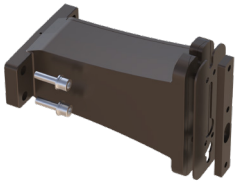
Optional Accessories

Single Person Installation (Mounting Options)

This design allows you to easily and securely install the product by sliding and locking it in place.

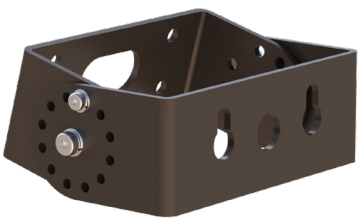


Slip Fitter Bracket



EA Bracket

YK Bracket



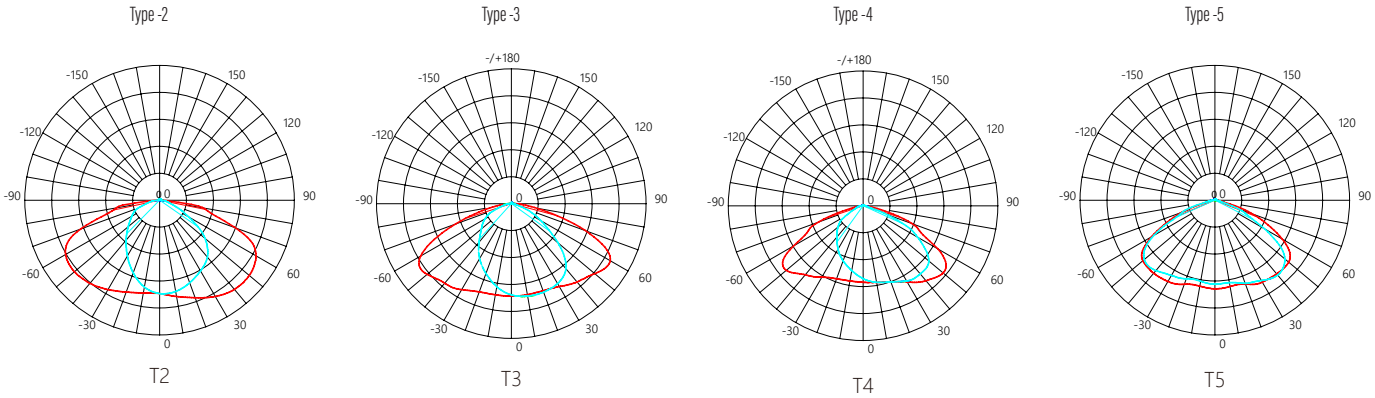
TR Bracket

Techno USA LLC dba Techno LED Lights 1580 Boggs Road, Suite 500, Duluth, GA-30096 | Tel: 678-456-4810 | Fax: 678-456-4810 | Email: sales@technoledlights.com
TekTron is a registered trademark of Techno USA LLC. Specifications and Dimensions subject to change without notice. Atlanta | San Antonio

LED Shoebox Area Light

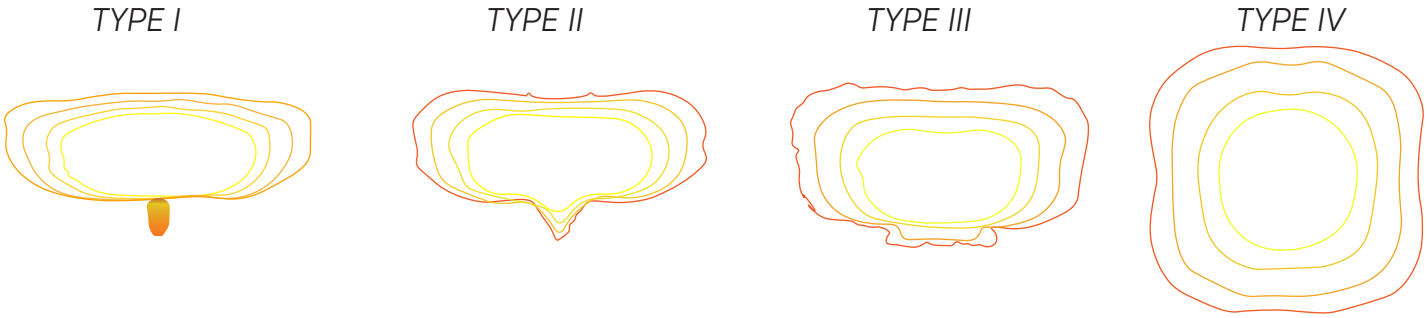
TK-SAL05™ Series

Photometrics



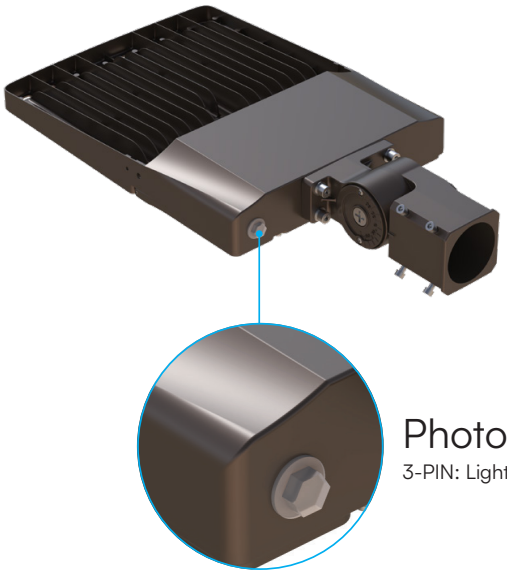
Internal Reflectance Optic Technology

This technology gives better optical control to make the light level more uniform and prevent the loss of light. It has a simple layout and installation that saves poles, energy, installation costs and enhances visibility. It meets the Dark Sky standards with no light spill or glare.



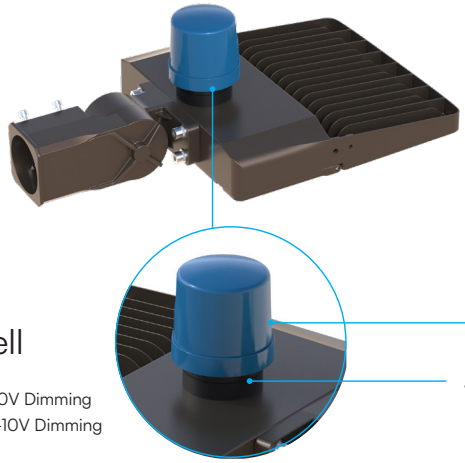
Light Control Solution (Optional)

1. Cost-Effective Light Controlled Accessories



Photocell
3-PIN: Lighting Switch

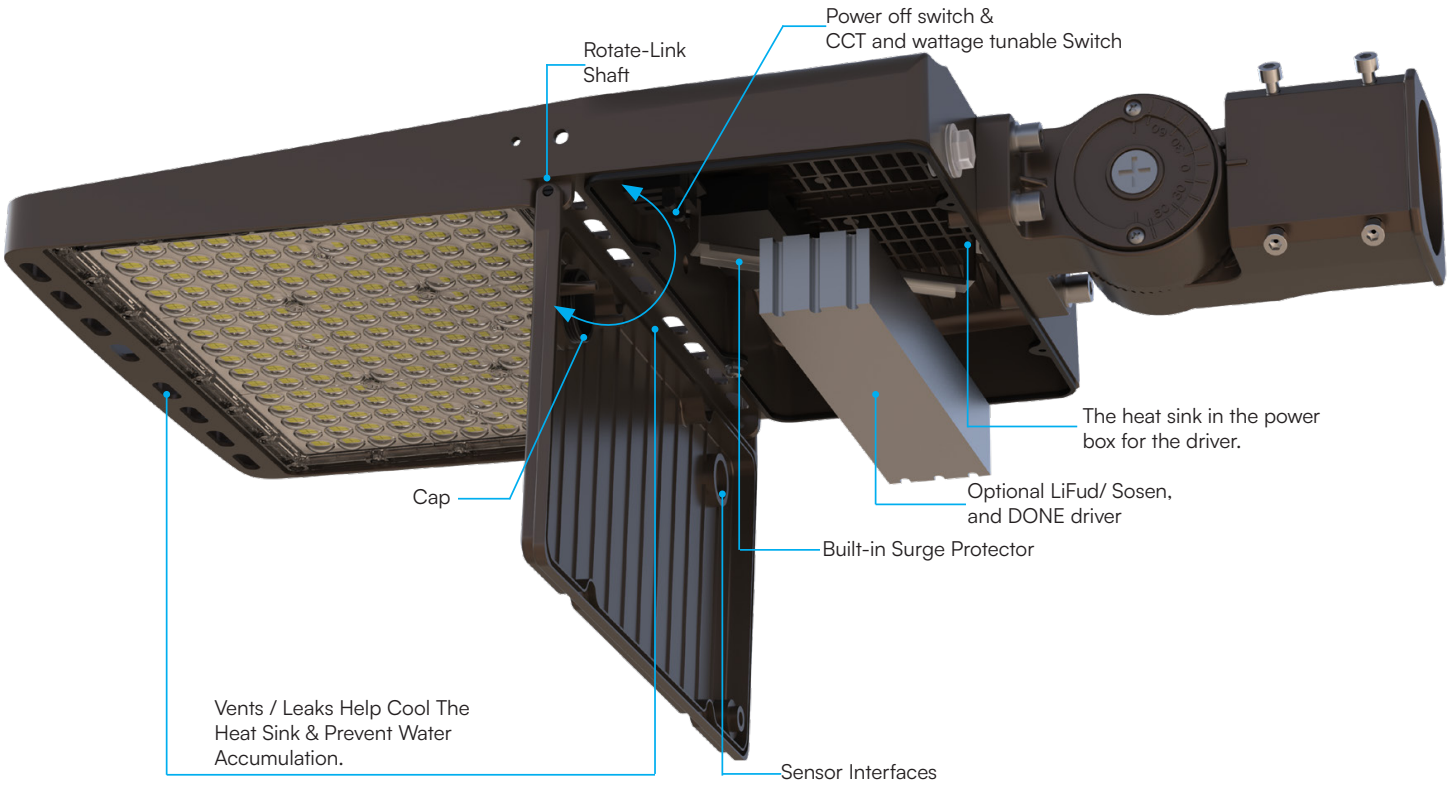
2. Multi-function Light Controlled Accessories



NEMA+Photocell
3-PIN: Lighting Switch
5-PIN: Expandable DALI or 0-10V Dimming
7-PIN: Expandable DALI and 0-10V Dimming

Photocell
+ NEMA

Infographic



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TEKTRON®
Reliable Engineering, Futuristic Design

Catalog:	TK-WPX2-M-100-8-T-D1
Project:	Dollar General
Type: B1	Date:
Notes:	

CCT & Watt Selection Full Cut-off Wallpack

TK-WPX2™ Series

Description

TekTron's LED Full Cut-off wallpack is a durable and energy-efficient lighting solution for outdoor wet locations. It features a die-casting aluminum housing and heatsink with a PC material lens and type III short distribution, which can be adjusted to different angles and mounted on the wall.

Applications

This is an ideal commercial out door fixture for buildings, and easily replace to any semi cut-off & full cut-off wall packs.

Quick Ship
TK-WPX2S-65830/40/50
TK-WPX2M-100830/40/50
TK-WPX2S-65830/40/50
TK-WPX2M-100830/40/50

Specification Features

Controls / Dimming

0-10V dimming, 3 lumens & 3 wattage output selectable by The DIP switch. Die-casting aluminum housing and heatsink. IP65 rated and suitable for using in outdoor wet location. Photocell sensor and Motion sensor options available with field installation.

Warranty

5 Years Limited Warranty.
For more information visit us at,
www.technoledlights.com/warrantyinfo

Certification

It complies with ETL Listing, DLC Premium, TITILE 24, and IP65 Rated.

Installation / Mounting

The installation process is straight forward and offers a range of mounting possibilities. Up or Down installation available. Optional for outlet box for surface wall mount.

Ordering Information

Example: TK-WPX2S-100830/40/50

TK	WPX2	S	100	8	30/40/50	D1	BR	[BLANK]
Brand	**Series**	**Size**	**Watts** (Wattage Changeable)	**CRI**	**Color Temp**	**Dimming**	**Finish**	**[Voltage]**
TK - TekTron	WPX2 - Wall Pack X2	S - Small M - Meduim	65 - 30W/50W/65W 100 - 60W/80W/100W	8 - 80+ CRI	30K - 3000K T - 40K - 4000K 50K - 5000K (CCT Selectable) 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K 65 - 6500K *Single Color Optional*	D1- Dimming 0-10V with 12	BR-Brown W - White B- Black	Blank - 120-277V 347 - 120-347V **[Options]** SPD Outlet Box EMBB Photocell Motion Sensor

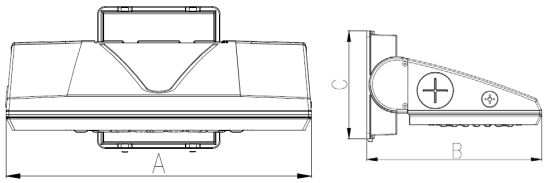
CCT & Watt Selection Full Cut-off Wallpack

TK-WPX2™ Series

Specification Features

Input Voltage	120-277 VAC / 120-347 50/60HZ
Color Temperature (CCT)	3CCT - 3000K/4000K/5000K
Luminous efficacy (Lm/W)	120 - 140 Lm/W (5050 SMD LED)
Color Rendering Index (CRI)	Ra>80
Dimmable	0-10V
Power Factor	>0.90
Operating Temperture	-30°C ~ 45°C
Life Span	50,000+ Hrs

Prodcut Dimension

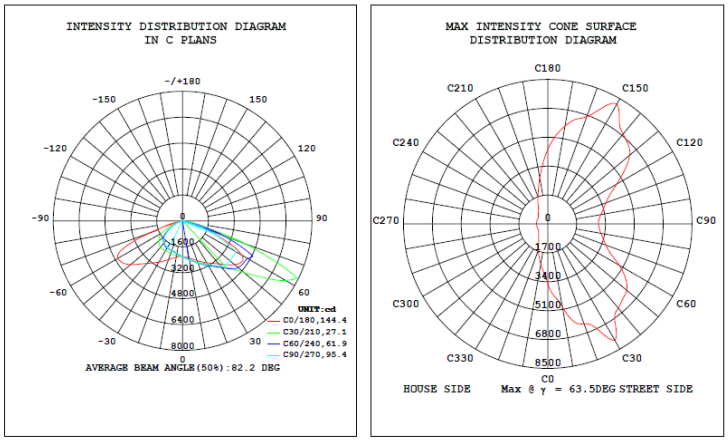


Part Number	A (Length)	B (Width)	C (Height)
TK-WPX2S	9.71 Inches	8.74 Inches	5.92 Inches
TK-WPX2M	12.78 Inches	12.78 Inches	5.92 Inches

Photometric

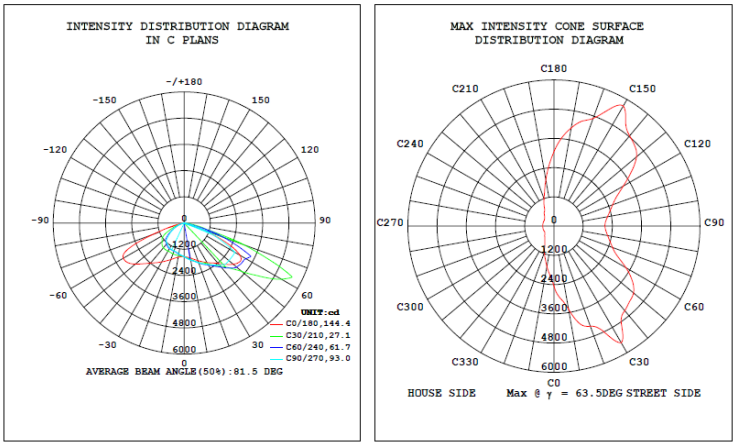
Medium 100W 5000K

DATA OF LAMP		PHOTOMETRIC DATA	Eff: 135.82 lm/W		
MODEL		Imax(cd)	8133	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13054	η house_up(%)	0.0
NOMINAL FLUX(lm)	13053.9	MAXIMUM @(C,γ)	150,63.5	η house_down(%)	29.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120.7	η down(%)	100.0	SLI	



Medium 40W 5000K

DATA OF LAMP		PHOTOMETRIC DATA	Eff: 145.58 lm/W		
MODEL		Imax(cd)	5695	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9138	η house_up(%)	0.0
NOMINAL FLUX(lm)	9138	MAXIMUM @(C,γ)	150,63.5	η house_down(%)	29.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120.7	η down(%)	100.0	SLI	



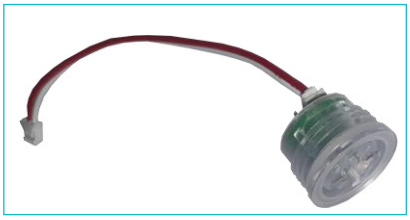
CCT And Wattage Changeable Switch

Optional Accessories

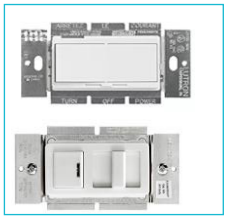
Outlet Box

9W EMBB

10KV SPD



Photocell



Dimmers

For Reference Only (Compatible Dimmer Listings)

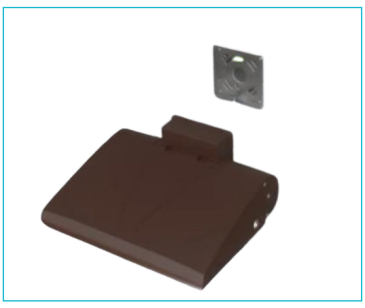
The testing done by **TekTron's** does not mean or guarantee that the product meets the standards or certifications of any independent laboratory or other authority. For more details on the product's standards and certifications, please refer to the manufacturer specifications. Before installing the product, please check with the dimmer manufacturer to make sure they are compatible.

Manufacturer	Product/PartNumber	Part Number	Dimmed Light Output Range
Lithonia	Slide Dimmer, 0-10V DC, 1500W for LED and CFL Lighting, Single Pole, 3-Way Wiring,Allows on/offswitching without disturbing light level, Fits Standard Single or Multi-gang switch boxes.	ISD BC 120/277 WH	5% - 100%
Cooper	Slide Dimmer, 0-10V, 120/277VAC 60Hz, 1200/1600W for LED and CFL Lighting, Single Pole, 3-Way Operation, Commercial/Residential Application, Title 24 Compliant.	SF10P-W	5% - 100%
Lutron	Diva Dimmer, 0-10V, 120 to 277VAC 50/60Hz, 8 Amp, 2216W for LED and CFL Lighting,Single Pole, 3-Way Operation, Commercial/Residential, Indoor Application.	DVSTV-WH	5% - 100%
Leviton	IllumaTech Mark 7 Dimmer, 0-10V, 120/277VAC 60Hz, 1200/1500W for LED and CFL Lighting, Electro Mechanical Preset On/Off Switch, Single Pole, 3-Way Operation,Commercial/Residential Application.	IP710-DLZ	5% - 100%

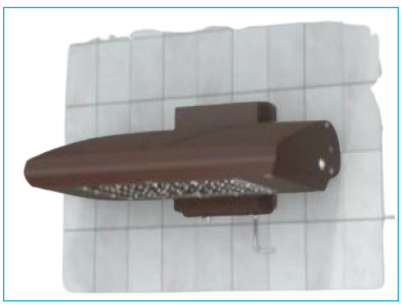
Installation

1. Fix the installation J-BOX plate

2. Fix the aircraft cable and wires



3. Fix the fixture.



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TEKTRON®
Reliable Engineering, Futuristic Design

Catalog:	TK-WPX2-M-100-8-T-D1
Project:	Dollar General
Type: C1	Date:
Notes:	

CCT & Watt Selection Full Cut-off Wallpack

TK-WPX2™ Series

Description

TekTron's LED Full Cut-off wallpack is a durable and energy-efficient lighting solution for outdoor wet locations. It features a die-casting aluminum housing and heatsink with a PC material lens and type III short distribution, which can be adjusted to different angles and mounted on the wall.

Applications

This is an ideal commercial out door fixture for buildings, and easily replace to any semi cut-off & full cut-off wall packs.

Quick Ship
TK-WPX2S-65830/40/50
TK-WPX2M-100830/40/50
TK-WPX2S-65830/40/50
TK-WPX2M-100830/40/50

Specification Features

Controls / Dimming

0-10V dimming, 3 lumens & 3 wattage output selectable by The DIP switch. Die-casting aluminum housing and heatsink. IP65 rated and suitable for using in outdoor wet location. Photocell sensor and Motion sensor options available with field installation.

Warranty

5 Years Limited Warranty.
For more information visit us at,
www.technoledlights.com/warrantyinfo

Certification

It complies with ETL Listing, DLC Premium, TITILE 24, and IP65 Rated.

Installation / Mounting

The installation process is straight forward and offers a range of mounting possibilities. Up or Down installation available. Optional for outlet box for surface wall mount.

Ordering Information

Example: TK-WPX2S-100830/40/50

TK	WPX2	S	100	8	30/40/50	D1	BR	[BLANK]
Brand	**Series**	**Size**	**Watts** (Wattage Changeable)	**CRI**	**Color Temp**	**Dimming**	**Finish**	**[Voltage]**
TK - TekTron	WPX2 - Wall Pack X2	S - Small M - Meduim	65 - 30W/50W/65W 100 - 60W/80W/100W	8 - 80+ CRI	30K - 3000K T - 40K - 4000K 50K - 5000K (CCT Selectable) 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K 65 - 6500K *Single Color Optional*	D1- Dimming 0-10V with 12	BR-Brown W - White B- Black	Blank - 120-277V 347 - 120-347V **[Options]** SPD Outlet Box EMBB Photocell Motion Sensor

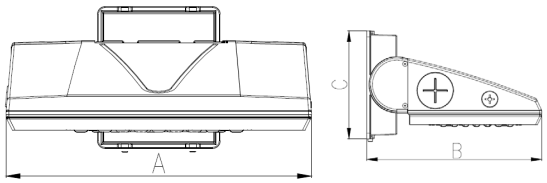
CCT & Watt Selection Full Cut-off Wallpack

TK-WPX2™ Series

Specification Features

Input Voltage	120-277 VAC / 120-347 50/60HZ
Color Temperature (CCT)	3CCT - 3000K/4000K/5000K
Luminous efficacy (Lm/W)	120 - 140 Lm/W (5050 SMD LED)
Color Rendering Index (CRI)	Ra>80
Dimmable	0-10V
Power Factor	>0.90
Operating Temperture	-30°C ~ 45°C
Life Span	50,000+ Hrs

Prodcut Dimension

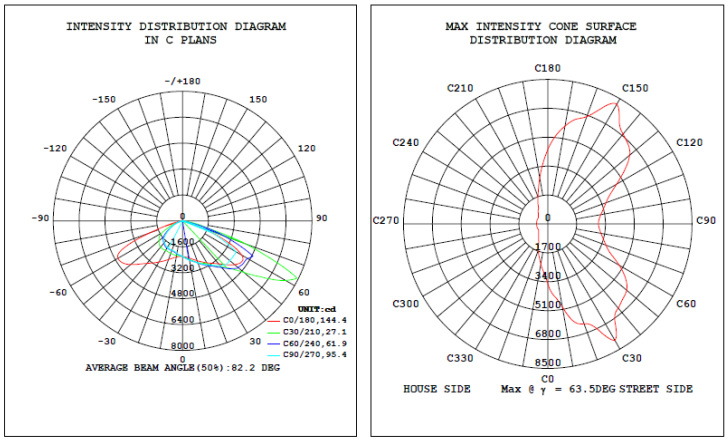


Part Number	A (Length)	B (Width)	C (Height)
TK-WPX2S	9.71 Inches	8.74 Inches	5.92 Inches
TK-WPX2M	12.78 Inches	12.78 Inches	5.92 Inches

Photometric

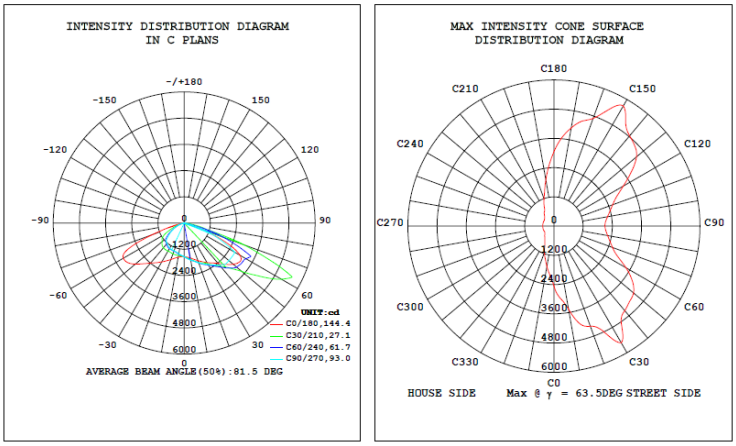
Medium 100W 5000K

DATA OF LAMP		PHOTOMETRIC DATA	Eff: 135.82 lm/W		
MODEL		Imax(cd)	8133	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13054	η house_up(%)	0.0
NOMINAL FLUX(lm)	13053.9	MAXIMUM @(C,γ)	150,63.5	η house_down(%)	29.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120.7	η down(%)	100.0	SLI	



Medium 40W 5000K

DATA OF LAMP		PHOTOMETRIC DATA	Eff: 145.58 lm/W		
MODEL		Imax(cd)	5695	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9138	η house_up(%)	0.0
NOMINAL FLUX(lm)	9138	MAXIMUM @(C,γ)	150,63.5	η house_down(%)	29.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120.7	η down(%)	100.0	SLI	



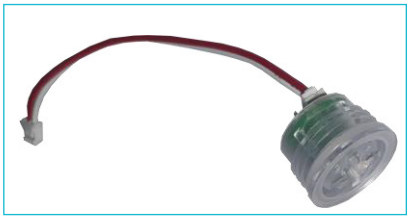
CCT And Wattage Changeable Switch

Optional Accessories

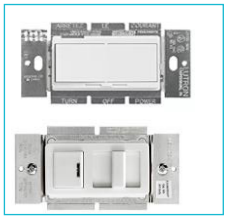
Outlet Box

9W EMBB

10KV SPD



Photocell



Dimmers

For Reference Only (Compatible Dimmer Listings)

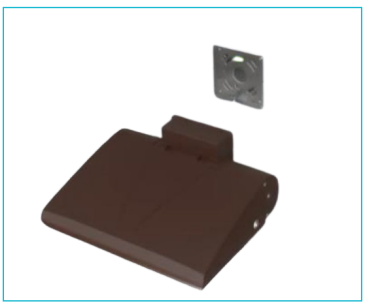
The testing done by **TekTron's** does not mean or guarantee that the product meets the standards or certifications of any independent laboratory or other authority. For more details on the product's standards and certifications, please refer to the manufacturer specifications. Before installing the product, please check with the dimmer manufacturer to make sure they are compatible.

Manufacturer	Product/PartNumber	Part Number	Dimmed Light Output Range
Lithonia	Slide Dimmer, 0-10V DC, 1500W for LED and CFL Lighting, Single Pole, 3-Way Wiring,Allows on/offswitching without disturbing light level, Fits Standard Single or Multi-gang switch boxes.	ISD BC 120/277 WH	5% - 100%
Cooper	Slide Dimmer, 0-10V, 120/277VAC 60Hz, 1200/1600W for LED and CFL Lighting, Single Pole, 3-Way Operation, Commercial/Residential Application, Title 24 Compliant.	SF10P-W	5% - 100%
Lutron	Diva Dimmer, 0-10V, 120 to 277VAC 50/60Hz, 8 Amp, 2216W for LED and CFL Lighting,Single Pole, 3-Way Operation, Commercial/Residential, Indoor Application.	DVSTV-WH	5% - 100%
Leviton	IllumaTech Mark 7 Dimmer, 0-10V, 120/277VAC 60Hz, 1200/1500W for LED and CFL Lighting, Electro Mechanical Preset On/Off Switch, Single Pole, 3-Way Operation,Commercial/Residential Application.	IP710-DLZ	5% - 100%

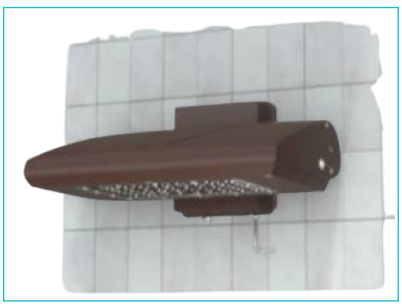
Installation

1. Fix the installation J-BOX plate

2. Fix the aircraft cable and wires



3. Fix the fixture.



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