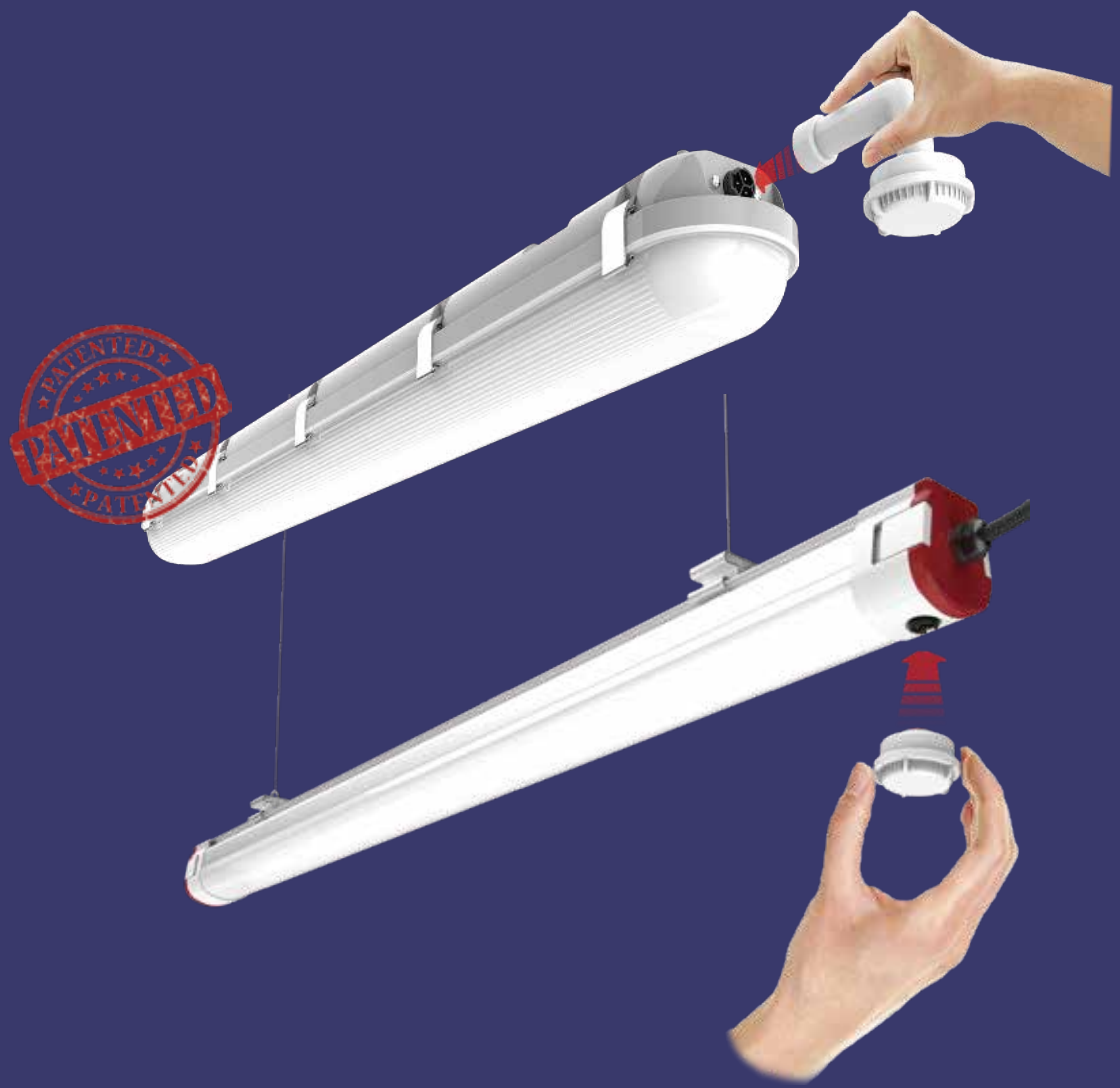
Controls Pluggable

Smart LED Vapor Tight Tri-proof Light

Install your luminaires today,Mount sensors or IOT controllers whenever you need



- Sensor pluggable,mounting sensors whenever you need
- Easily tool-free installation,maintenance and linking
- Power & Color Temp field-adjustable reduce SKUs by up to 80%
- Direct replacement for traditional waterproof luminaires
- Diffuser with optical element ensures visual comfort
- Optional external connector version for easier installation
- Zigbee/Bluetooth mesh network smart controls
- Efficiency up to 170 LPW

UP TO 7 years warranty

130-170 lm/w

ISO 9001 CQC · ETL Intertek · DLC LISTED PREMIUM · CE · RoHS · TITLE 24 · DALI · plug & Play · ZigBee · Bluetooth

Smart LED Vapor Tight /Tri-proof Light -STP Series

Easily Tool-Free installation and linking

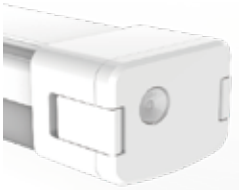
- End cap with buckle,easy to open and wire
- Go wiring with your own cable
- No need junction box

Linkable in Series

Every light has two easy fixing connectors on both sides.
User can fix the cable into the connectors fastly and easily（Optional）

Configurable power connections

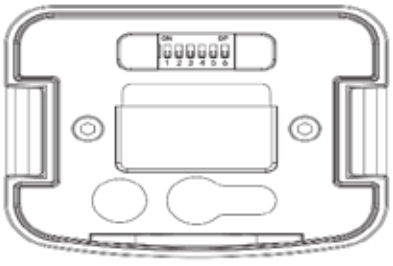
Hardwire, whip, or liquid tight power connections available.



Tool-Less Field Adjustable Color Temp & Wattage

reduce SKUs by up to 80%（Optional）

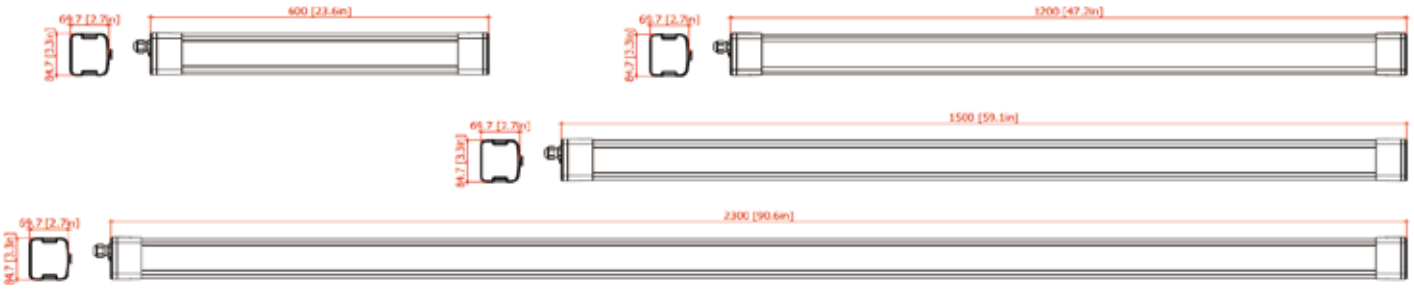
- Reduce overall number of SKUs to 2 while offering 8 wattacge and 3 CCT choices
- Streamline ordering and inventory,making it flexible enough for distributor stock and flow



Power Adjustable DIP Switch								
ON ↑	1	2	3	4	0. 6M	1. 2M	1. 5M	2. 4M
	ON	—	—	—	10W	20W	40W	60W
	—	ON	—	—	12W	25W	45W	65W
	—	—	ON	—	15W	30W	50W	70W
	—	—	—	ON	18W	35W	55W	75W
	—	—	—	—	20W	40W	60W	80W

CCT Tunable					
ON ↑	5	6	CCT	CCT	CCT
	ON	—	3000K	—	—
	—	ON	—	4000K	—
	—	—	—	—	5000K

Product Dimensions:



First Sensor Pluggable Intelligent Design

World's first patented designed module type plug & play sensor and sensor embedded Luminaire. User can easily scale from an ordinary fixture to a smart light fixture in 3 seconds.

3 seconds easily plug-in → **Smart LED Tri-proof Light**

World's First Patented Pluggable Sensor

You can install your luminaires today and mount sensors or IOT controllers whenever you need - without any hassle

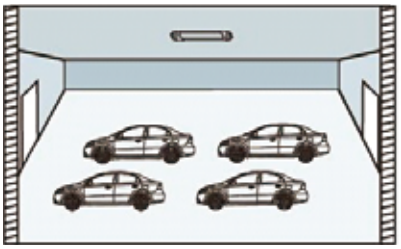
- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- ZigBee/Bluetooth mesh netwark smart control
- Controls are easy to upgrade, install and maintain

plug and Play | Zigbee mesh network control | Bluetooth mesh network control | App control | On/off control | Daylight sensor | Remote control setting | Motion sensor

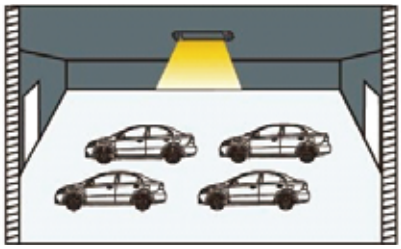
Plug&Play Occupancy Sensor

ON/OFF and Automatic Dimming Functions
On-demand lighting for maximum energy saving

1. ON/OFF Function (stand-by period set at '0')



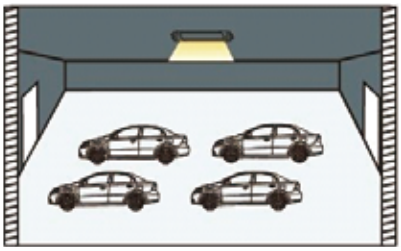
1 With sufficient ambient light, the light will not be switched on even if with motion signal



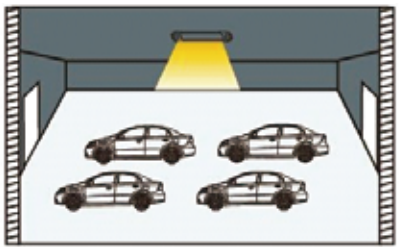
2 With insufficient ambient light, the sensor switches on the light when motion is detected.

3 After elapse of hold time, the sensor switches off the light when no motion is detected

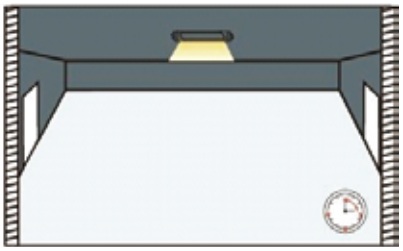
2. 2-step dimming function (stand-by period set at "+∞"



1 If there is no motion detected, the light will be remained at a low light level all the time

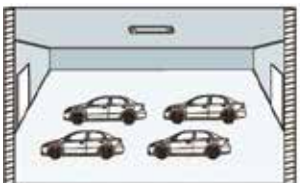


2 When motion is detected, the sensor will switch on the light to 100% brightness



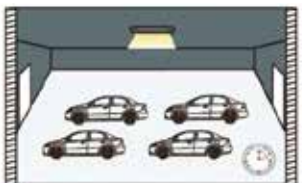
3 After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

3.3-step dimming function (stand-by period set at "5min"or"15min")



1 With sufficient ambient light,the light will not be switched on even if with motion signal

2 With insufficient ambient light, the sensor switches on the light when motion is detected.

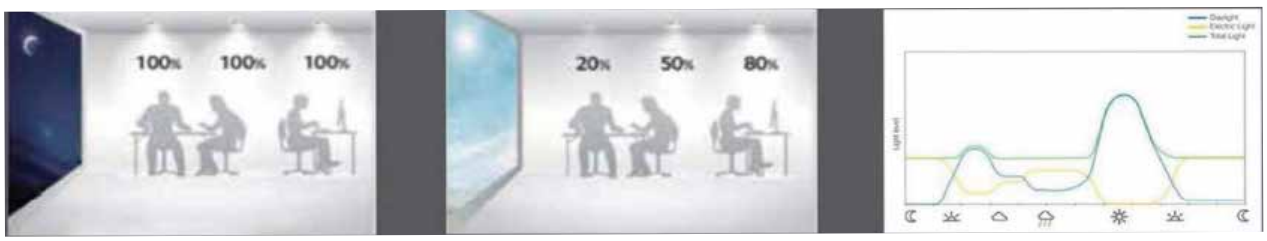


3 After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.

4 After elapse of stand by period, the sensor switches off the light if no motion is detected in the detection zone

Wireless Daylight Sensor

Daylight harvesting automatically regulates the use of electric lighting in response to the amount of daylight available.make sure you use only what you need.



Night:Same brightness forall area | Day:Lower brightness on the windows side | Automatic dimming-On-demand lighting

Occupaney Sensors & Code Compliance---Aecording to IECC 2015 Code Provision C405.2.1.1.1.
office and warehouse fixtures must automatically turn off within 30 minutes of all oceupants leaving the space
Daylight Harvesting & Code Complianee Aceording to IECC2015 Code Provision C405.2.3.12.
daylight-responsive controls should be installed within each space with sidelight and toplight daylight zones totaling more than 150W.

Smart Network Lighting-Control Systems

Using various sensor, scheduling and programming technologies, controls maximize energy savings and minimize lighting maintenance. They accomplish this by reducing your energy spend to the bare minimum – only distributing light where and when you need it.

Evaluate which controls strategy will save your facility the most.

APP, Network control

Lights in multiple locations can be controlledfrom wireless devices such as mobile phones (IOSIAndroid system).

Wireless Touch Switch control

Remote control

Occupancy Sensing

Typically Saves:15-55%

No one needs light in empty spaces. Turning lights off or dimming when no one is there to use them is an obvious and easy way to save energy

Daylight Harvesting

Typically Saves:15-45%

Get More from Your Daylighting.Daylight harvesting automatically regulates the use of electric lighting in response to the amount of daylight available.make sure you use only what you need.

Auto Scheduling

Typically Saves:10-40%

Tell the Smart HighBay when to illuminate a zone and it will take care of the rest with auto-adjustments based on your time zone. Update schedules right from your smartphone

Load Shedding

Typically Saves:15-45%

Load-shedding,or temporarily reducing the load of a system to avoid energy costs when they're at their highest

Task Tuning

Typically Saves:5-15%

Programming the output of an individual or group of luminaires to the level that provides just the right amount of light for the space, task or area.

Zoning & Group control

Typically Saves:5-20%

Group luminaires and form unique lighting control zones for a control strategy via software-defined means, not via electrical installation details(e.g. wiring).

Product Features

- **Sensor pluggable,**mounting sensors whenever you need
- Easily **tool-free** installation and linking with special design
- **Color Temp Field Adjustable**, Adjust CCT between 3000K, 4000K, or 5000K
- **Power Field Adjustable**, Adjust power between 40W, 35W, 30W,25W and 20W (4ft),80W, 75W, 70W ,65W and 60W (8ft)
- Controls & Sensors: 0-10V, motion & daylight sensor,ZigBee/Bluetooth,Wireless Daintree compliant options.
- Optional external connector version for easier installation
- Efficiency: Up to 170LPW Light Output Range: 2,000-18,000 lumens
- Emergency Battery backup option available
- Available in 2ft,4ft,5ft and 8ft length

Product Specifications

LED & Optical Assembly

- CCT: 3000K.4000K,5000K,Adjustable CCT
- CRI: 80 and 90 CRI options
- System Efficiency: Up to 130lm/W and 170lm/w optional
- Distribution/Lenses: diffused lens standard, clear lens optional
- L70 @ 100,000 hours minimum @ 55°C

Ratings & Evaluations

- Operating Temperature: –30°C to +45°C (-22°F to 122° F).
- Location: IP66 for dust and water
- Safety: ETL/cETL CE CB SAA Listed
- Utility: DLC 5.1 Premium,LLLC Network Control
  not all models are DLC listed,Please refer to
  http://www.designlights.org/QPL for complete information

Electrical

- Input Wattage:
  28W,40W,50W,65W,80W,110W,and Adjustable Wattage Optional
- Input Voltage: 100-277VAC/100-240VAC(347V available)
- System Power Factor (PF): >0.9

Controls

- Dimming:0-10VDC Dim ,std for US,Non-dimmable,std for EU. 0-10V,DMX,Dali2 optional
- Wireless Networking & Sensing:
  Sensor ready pluggable receptacl - SR
  Motion Sensor on/off - MS01 Motion Sensor 3-step dimming-MS02 ZigBee Wireless- ZG01
  Bluetooth Wireless- BT01 ZigBee with Occ Sensor – ZGMS02
  Bluetooth with Occ Sensor – BTMS02
- Compatible with 3rd party smart network control system

Energy and Performance Data

Fixture Length	Catalog No.	Typical Power	Standard Efficiency						Premium Efficiency (p)					
			5000K		4000K		3000K		5000K		4000K		3000K	
			LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens
4ft	STP36	20	140	2800	137	2744	129	2576	170	3400	167	3332	162	3230
		25	136	3400	133	3332	125	3128	165	4125	162	4043	157	3919
		30	135	4050	132	3969	124	3726	162	4860	159	4763	154	4617
		35	134	4690	131	4596	123	4315	161	5635	158	5522	153	5353
		40	133	5320	130	5214	122	4894	160	6400	157	6272	152	6080
8ft	STP80	60	140	8400	137	8232	129	7728	170	10200	167	9996	162	9690
		65	136	8840	133	8663	125	8133	165	10725	162	10511	157	10189
		70	135	9450	132	9261	124	8694	162	11340	159	11113	154	10773
		75	134	10050	131	9849	123	9246	161	12075	158	11834	153	11471
		80	133	10640	130	10427	122	9789	160	12800	157	12544	152	12160
ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS														

Ordering Information:

MODEL SELECTION Typical order example: ETP364TP50SR										
PRODUCT ID	MAX WATTAGE	FIXTURE LENGTH	EFFICIENCY	CCT&CRI	OPTICS /LENS	VOLTAGE	DIMMING	SENSOR/ WIRELESS CONTROLS	MOUNTING	OPTIONS
STP										
STP= Smart Tri-Proof / Vapor Tight	28=28W 40=40W 50=50W 65=65W 80=80W 110=110W, **Field-Adjustable Wattage**	**2T**=2ft **4T**=4ft **5T**=5ft **8T**=8ft	**(OMIT)**= Standard Efficiency, std; **P** =Premium Efficiency	**30**=3000K **40**= 4000K **50**= 5000K Default is 5000K , **Field-Adjustable CCT**	**(OMIT)**= Diffused Lens C = Clear Lens	**(OMIT)**= 120-277V/10 0-240V, std **H**= 120-347V **HV**= 200-480V	Non-dimmable,std D0 = 0-10VDC **DA** = Dali (No External Control Wiring, std,contact sales if needed)	(OMIT)=None,std ; **SR**=Sensor pluggable receptacl; **MS1**=Motion Sensor on/off **MS2**=Motion Sensor 3-step dimming (IR remote sold separately to modify default settings sensors) **ZG01**=Zigbee Wireless control **BT01**=Bluetooth Wireless control	**(OMIT)**= Standard Chain/Cable or Surface mount, std **(chain not included)**	**AO**=Field-Adjustable Light Output **AC**=Field-Adjustable Color Temp **EM**=EM - Emergency Backup **SPT**=Surge protector 10kv

Traditional LED Vapor Tight /Tri-proof Light -ETP Series

Tool-Less Field Adjustable Color Temp & Wattage

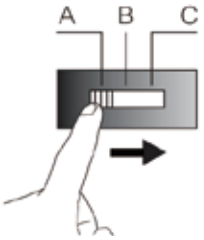
reduce SKUs by up to 80%（Optional）

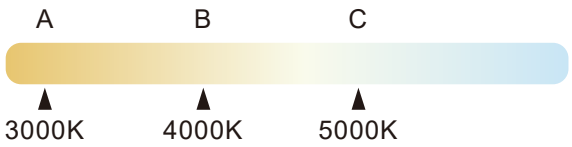
- Reduce overall number of SKUs to 2 while offering 8 wattacge and 3 CCT choices
- Streamline ordering and inventory,making it flexible enough for distributor stock and flow

Desired Wattage / DIP Switch Settings

PIN1	PIN2	Rated(mA)
OFF	OFF	200
OFF	ON	250
ON	OFF	300
ON	ON	350

Driver(W)	Rated(mA) 200mA	Rated(mA) 200mA	Rated(mA) 200mA	Rated(mA) 200mA
18W	12W	15W	18W	19W
40W	23W	29W	36W	42W
80W	46W	58W	72W	84W





Product Features

- **Sensor pluggable**,mounting sensors whenever you need
- Easily **tool-free** installation and maintenance
- **Color Temp Field Adjustable**, Adjust CCT between 3000K, 4000K, or 5000K
- **Power Field Adjustable,** Adjust power between 40W, 35W, 30W,25W and 20W (4ft),80W, 75W, 70W ,65W and 60W (8ft)
- Controls & Sensors: 0-10V, motion & daylight sensor,ZigBee/Bluetooth,Wireless Daintree compliant options.
- **Direct replacement** for traditional waterproof luminaires
- Diffuser with optical element ensures visual comfort
- Optional external connector version for easier installation
- Efficiency: Up to 170LPW Light Output Range: 2,000-15,000 lumens
- Emergency Battery backup option available
- Available in 2ft,4ft,5ft and **8ft** length

Product Specifications

LED & Optical Assembly

- CCT: 3000K.4000K,5000K,Adjustable CCT
- CRI: 80 and 90 CRI options
- System Efficiency: Up to 130lm/W and 170lm/w optional
- Distribution/Lenses: diffused lens standard, clear lens optional
- L70 @ 100,000 hours minimum @ 55°C

Ratings & Evaluations

- Operating Temperature: –30°C to +45°C (-22°F to 122° F).
- Location: IP66 for dust and water
- Safety: ETL/cETL CE SAA CB Listed not all models are DLC listed,Please refer to http://www.designlights.org/QPL for complete information

Electrical

- Input Wattage: 20W,36W,50W,80W,Adjustable Wattage
- Input Voltage: 100-277VAC/100-240VAC (347V available)
- System Power Factor (PF): >0.9

Controls

- Dimming: 0-10VDim ,std for US,Non-dimmable,std for EU. 0-10V,Dali2 DMX optional and Dali2 optional
- Wireless Networking & Sensing:
  Sensor ready pluggable receptacl - SR
  Motion Sensor on/off - MS01 Motion Sensor 3-step dimming-MS02 ZigBee Wireless- ZG01
  Bluetooth Wireless- BT01
  ZigBee with Occ Sensor – ZGMS02
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2ft	ETP28	12	140	1680	137	1646	129	1546	170	2040	167	1999	162	1938
		15	136	2040	133	1999	125	1877	165	2475	162	2426	157	2351
		18	135	2430	132	2381	124	2236	162	2916	159	2858	154	2770
		20	133	2660	130	2607	122	2447	161	3220	158	3156	153	3059
4ft	ETP36	23	140	3220	137	3156	129	2962	170	3910	167	3832	162	3715
		29	136	3944	133	3865	125	3628	165	4785	162	4689	157	4546
		36	135	4860	132	4763	124	4471	162	5832	159	5715	154	5540
		42	133	5586	130	5474	122	5139	160	6720	157	6586	152	6384
8ft	ETP80	46	140	6440	137	6311	129	5925	170	7820	167	7664	162	7429
		58	136	7888	133	7730	125	7257	165	9570	162	9379	157	9092
		72	135	9720	132	9526	124	8942	162	11664	159	11431	154	11081
		84	133	11172	130	10949	122	10278	160	13440	157	13171	152	12768
ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS														

Ordering Information:

MODEL SELECTION **Typical order example: STP504TP50SR**

PRODUCT ID	MAX WATTAGE	FIXTURE LENGTH	EFFICIENCY	CCT&CRI	OPTICS /LENS	VOLTAGE	DIMMING	SENSOR/ WIRELESS CONTROLS	MOUNTING	OPTIONS
ETP										
ETP= E Series Tri-Proof / Vapor Tight	28=20W 36=36W 50=50W 80=80W, **Field-Adjustable Wattage**	**2T**=2ft **4T**=4ft **5T**=5ft **8T**=8ft	**(OMIT)**= Standard Efficiency, std; **P** = Premium Efficiency	**30**=3000K **40**= 4000K **50**= 5000K, Default is 5000K **Field-Adjustable CCT**	**(OMIT)**= Diffused Lens C = Clear Lens	**(OMIT)** = 120-277V/ 100-240V, std H= 120-347V HV= 200-480V	Non-dimmable,std **D0** = 0-10VDC **DA** = Dali (No External Control Wiring, std,contact sales if needed)	(OMIT)=None,std ; **SR**=Sensor pluggable receptacl; **MS1**=Motion Sensor on/off **MS2**=Motion Sensor 3-step dimming **ZG01**=Zigbee Wireless control **BT01**=Bluetooth Wireless control	**(OMIT)**= Standard Chain/Cable or Surface mount, std **(chain not included)**	**AO**=Field-Adjustable Light Output **AC**=Field-Adjustable Color Temp **EM**= EM - Emergency Backup **SPT**= Surge protector 10kv

DLC 5.1 Premium LLLC Network Control Power & CCT Field-Adjustable

Power & CCT Adjustable Aisle Optics

Ranch/Agriculture Highbay IP69K,Corrosion Resistance

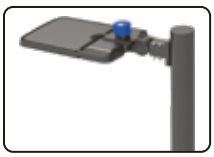
High Temperature Up to 65 C

Sports Light High Mast Light

Power Adjustable Economical

Italy Design Dust-Free

Flexible Highbay NPT Pipe Mount ,UP Light

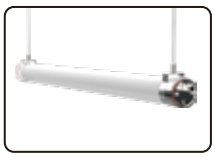


Power Field-adjustable T2,T3,T4,T5 Optics

IP65 Aisle Optics Smart Linear

Sensor Pluggable Tri-proof Power & CCT Adjustable

Sensor Pluggable Vapor Tight Power & CCT Adjustable



Ranch/Agriculture Tri-proof IP69K,Corrosion Resistance

ISO 9001 CQC · ETL Intertek · DLC LISTED PREMIUM · CE · RoHS · TITLE 24 · DALI · plug & Play · ZigBee · Bluetooth

Contact Information: