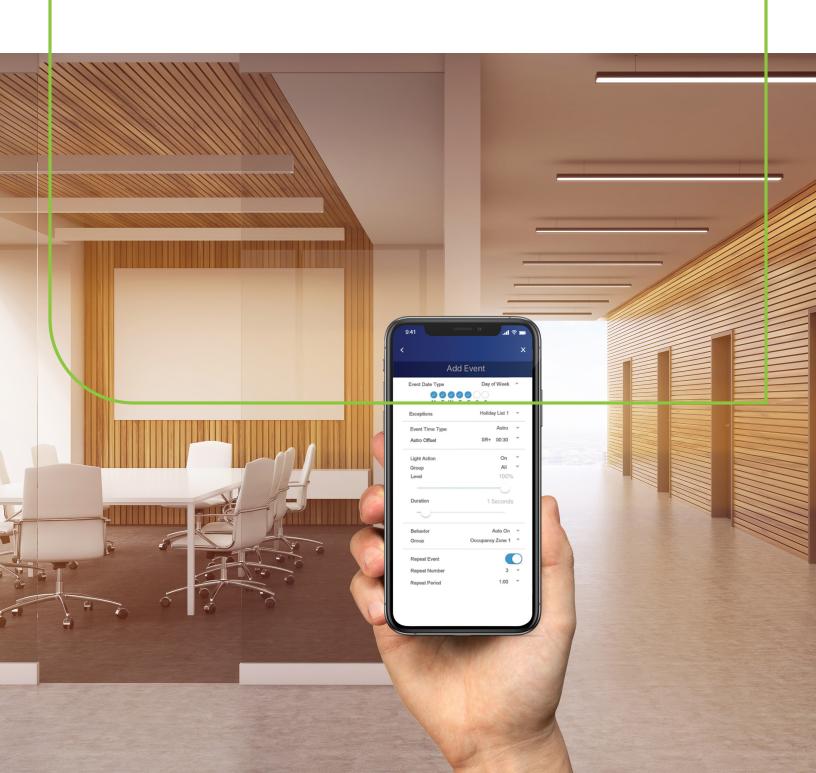


Integrated Fixture Control Solutions



Controlling Next Generation Lighting

Offering customers a complete end-to-end professional lighting and wireless control solution

Streamlined solution that allows greater freedom of design in almost any space

Professional smart lighting control based on wireless technology

Select the integrated controls that best fits your needs—choose from simple High/Low Bay Sensors, a standalone sensor like Solo or, for more advanced lighting control strategies, use IP66 PIR Smart Integrated Fixture Mount Sensors, Intellect Wireless Controls, or Intellect-Enabled Fixtures.







Low Bay/High Bay Sensors

Leviton Fixture Mount Low/High Bay Sensors are designed to mount directly into a 0-10V fixture or electrical junction box for multi-level control with adjustable time-outs. Control parameters are manually selected using the device's DIP Switches or the optional IR remote to obtain desired configuration parameters. This sensor offers tri-level dimming control and meets energy code requirements in high bay applications.

Designed for LED Fixture Control

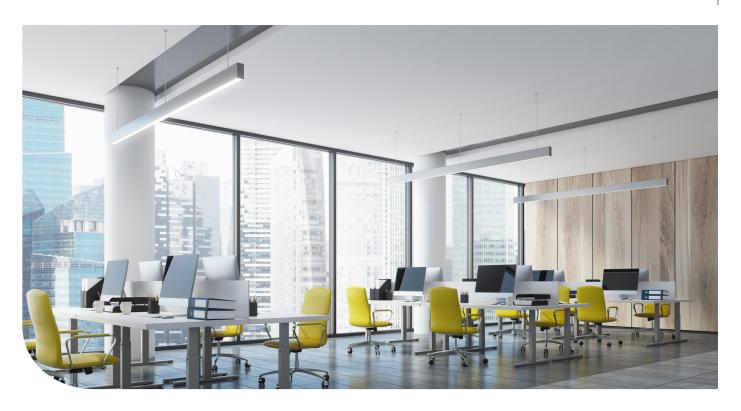
- Suitable for use in standard and cold storage applications
- Quicksnap feature for easy installation

Easy Operation

• Visual RGB LED indicators for device states and easy troubleshooting

Easy Energy Savings

• Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy sensing and dimming requirements



Solo

Solo delivers a simple to install introduction to integrated fixture controls. When you need a straightforward solution for dimming, occupancy sensing and basic daylighting applications, choose Solo. Solo sensors are easily configured using traditional dip switches or an optional IR remote control programmer for multi-level lighting control.

Easy Specification and Design

- Each fixture integrates a sensor for independent fixture control
- No additional gateway or hub needed
- No sensor layout required

Easy Installation and Operation

- Out-of-the-box operation
- No commissioning required

Easy Energy Savings

• Solo offers a self-contained solution that can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 occupancy sensing requirements



IP66 PIR Smart Integrated Fixture Mount Sensors

Leviton IP66 PIR Smart Integrated Fixture Mount Sensors are designed for use with switching or 0-10V LED dimming drivers, and fluorescent ballasts. The sensors use PIR detection technology and advanced optics to provide an exceptional Field-of-View (FOV) for mounting heights from 8-40 ft. Configuration is made using the Leviton Smart Sensor App from a smartphone or other Bluetoothenabled Android or iOS device.

Designed for LED Fixture Control

- Suitable for use in standard and cold storage applications
- Quicksnap feature for easy installation

Easy Operation

- Advanced configuration is made using the Leviton Smart Sensor App on any Bluetooth-enabled Android or iOS device
- Adjust sensitiveness, timeouts, and adjust daylight modes

Easy Energy Savings

• Can be used to comply with IECC, ASHRAE 90.1, and 2022 Title 24, Part 6 occupancy/vacancy sensing and dimming requirements





Intellect Wireless

When you need more advanced lighting control strategies such as energy management, turn to Intellect Wireless. Engineered to simplify energy management and code compliance, controls are integrated into the fixtures and wirelessly communicates with the GreenMAX DRC Keypad Room Controller. All configurable with the GreenMAX DRC App. Virtually any fixture can be Intellect-enabled.

Easy Specification, Layout and Design

- Each Intellect-enabled fixture integrates a sensor or controller which wirelessly communicates with the Keypad Room Controller and other Intellect devices within the space
- No separate controls layout required
- No additional gateway or hub needed
- Add additional Leviton wireless devices for a full suite of lighting control behaviors and load controls

Easy Installation

- Plug and play operation
- $\bullet\,$ Ladderless commissioning with the GreenMAX DRC App—the only setup tool needed

Easy Operation

- Configure, monitor and control the system from an Android or iOS smart device with the GreenMAX DRC App
- Every fixture is controllable and not tied to physical zoning
- Highly robust, fully secure, self-healing, mesh network
- Easily program the Keypad Room Controller to meet the lighting needs of any space
 Easy Energy Savings
- Intellect Wireless fixtures offer out-of-the-box functionality, self-contained solutions
 that can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 dimming,
 occupancy/vacancy sensing and daylight harvesting requirements



Low/High Bay Sensors Comparison

Feature Comparison	Low/High Bay Sensors			
	OSF20-IUW/ILW	HB011	OSFHW	
Technology		Passive Infrared (PIR)		
Mounting		Fixture		
Coverage (SF)		2400		
Pattern	360°& Aisle ways	360°	360° & Aisle Ways	
Mounting Height	High Mount Lens: 20-40 ft Low Bay Lens: 8-25 ft	High Mount Lens: 21-40 feet Low Bay Lens: 13-20 feet	High Mount Lens: 20-40 feet Low Bay Lens: 8-25 feet	
Adjustment	Manual	Manual/Self-Adjusting	Self-Adjusting	
Time Delay		30s-30m		
Voltage	-IUW: 120-230-277-347V, 50/60Hz -ILW: 24VAC/VDC	120-230-277 or 347VAC, 50/60Hz	120-277-347VAC, 50/60Hz	
Wattage/VA	-IUW: Fluorescent Ballasts: 800VA @ 120VAC,1200VA @ 277 VAC Incandescent: 800W @ 120V, Motor: 1/4 HP Load @ 120V, -ILW: N/A	N/A	800VA @ 120VAC Ballast1200VA @ 277VAC Ballast1500VA @ 347VAC Ballast Motor: 1/4 HP Load @ 120V	
Occupancy or Vacancy		Occupancy		
Auto or Manual		Auto		
Ambient Light Override	No	Daylight Harvesting/Dimming	No	
Other	Includes 2 Lenses for High Bay & Low Bay Applications and aisle mask accessory	Includes 2 Lenses for High Bay & Low Bay Applications	Includes 2 Lenses for High Bay & Low Bay Applications and an Aisle Mask Accessory	
Listing	IP65	UL	UL, cUL, IP65	
Can be used to comply with 2022 Title 24, Part 6 occupancy	Yes	No	Yes	



requirements

Feature Comparison	Low/High Bay Microwave Sensors		
	OSM3D-V1W/DD	w	ОЅМНВ
Technology	Microwave		
Mounting	Wall, Ceiling, or in an IP66 ra	ted fixture	Fixture
Coverage (SF)	32-52', a m	etal shield can be use	ed to shield or limit field-of-view
Pattern	150°, 360° ceiling		360°
Mounting Height	Up to 49 feet		50 feet
Adjustment	Manual		DIP Switches or optional IR Remote
Time Delay	10s-30m	5s-infinity	10s - 15m
Voltage		120-277V 5	50/60Hz
Wattage/VA	120-2777 3 120V @ 400W; 220-240V @ 800W; 277V@ 1000W		Resistive/Halogen:800W@120V 1200W@277V Fluorescent Ballast: 660W@120V 1200W@277V Electronic Ballast/LED Driver: 800W @ 120VAC LED, CEL 1200W@ 277VAC LED,CEL Magnetic Ballast: 660W @ 120VAC 1200W @ 277VAC
Occupancy or Vacancy	Occupancy		
Auto or Manual	Auto		
Ambient Light Override	Yes		
Other	Designed to detect movement behi	nd low density fixtur	re materials or behind objects made of plastic or glass

IP20

Yes

Listing

Can be used to comply with 2022 Title 24,

Part 6 occupancy requirements



Solo Sensors Comparison

Feature Comparison	Solo		
		9000 9000 9000 9000 9000	0000 0000 0000 0000 0000

	ZLS05-ILW	ZLS10-IDW	ZS10-ILW
Technology	Passive Infrared		
Mounting		Fixture	
Coverage (SF)	Major motion coverage is 450 squa	are feet when mounted at 10 feet	Major motion coverage is 2800 square feet when mounted at 40 feet using the high bay lens
Pattern	120°	36	60°
Mounting Height	8-10 feet	40 f	^f eet
Adjustment		DIP switches or IR remote	
Time Delay	10s -30m	10s-	15m
Voltage	12V-24VDC, 50mA	IDW: 120/277VAC, 50/60Hz ILW: 12-24VDC	
Wattage/VA	IDW: Resistive Halogen: 800W @120V/1200W@277V Fluorescent Ballast:60W@120V/1200W@277V Electronic Ballast: (LED/CFL) - 5A@120V/5A@277V II W: —		/@120V/1200W@277V FL) - 5A@120V/5A@277V
Occupancy or Vacancy		Occupancy	
Auto or Manual		Auto	
Ambient Light Override	Daylight Harvesting	Daylight Harvesting Yes	
Other	Designed to be installed directly into a light fixture for standalone lighting control	Designed to be installed directly into a 0-10V dimming fixture for mid to high bay applications	
Listing	IP20	IP65	
Can be used to comply with 2022 Title 24, Part 6 occupancy requirements	Yes		



Smart Fixture Mount Sensor Comparison

Feature Comparison	IP66 PIR Smart Integrated Fixture Mount Sensors		

	ZLD1Z-I0W	ZLDUZ-I0W	OFD1Z	OFDUZ
Technology	Passive Infrared			
Mounting	Fixture			
Coverage (SF)	Up to 8,250 square feet			
Pattern			360°	
Mounting Height		8	-40 ft	
Adjustment		Smart	Sensor App	
Time Delay		2	0 min	
Voltage	ZLD1Z: 120-277 ZLDUZ: 120		120-277 VAC, 50/60 Hz	120-480VAC
Load Ratings - All Load Types				
120 VAC (1-Pole)		6.7 <i>F</i>	(W008)	
208 VAC (2-Pole)	_	5.0A (1150W)	_	_
230 VAC (1-Pole)		5.0A	(1150W)	
240 VAC (2-Pole)	_	5.0A (1200W)	_	5.0A (1200W)
277 VAC (1-Pole)		5.0A	(1400W)	
347 VAC (1-Pole)	_	5.0A (1700W)	_	5.0A (1700W)
480 VAC (2-Pole)	_	5.0A (2400W)	_	5.0A (2400W)
Motor 120-480 VAC		1	/3 HP	
Occupancy or Vacancy		Occ	cupancy	
Auto or Manual			e box configurations nart Sensor App	
Ambient Light Override	Yes			
Other	Aisle way masks included Scheduling—Universal models only			
Listing			IP66	
Can be used to comply with 2022 Title 24, Part 6 occupancy requirements			Yes	



Intellect Wireless Comparison

Feature Comparison		Wireles	s Controls	
		MIN	Description LEVITOMS of the control	The content of the co
	ZL07S-N00 ZL070-N00	ZL0DS-N00 ZL0D0-N00	ZL070-Bxx	ZL0D0-B0x
Basic				
Switching			Yes	
Dimming	0-10V	DALI	0-10V	DALI
Daylight Harvesting	Ye	es	Yes when enrolled in a sy	stem with photocells
Technology	Р	IR	N//	4
Power	12-24VDC	DALI	12-24VDC	DALI
Direct to Driver			Yes	
Configuration				
Configuration Tool		Phone/Tablet and	GreenMAX DRC App	
Occupancy	Ye	es	Yes when enrolled in a s	ystem with photocells
Adjustable Sensitivity	Ye	es	Yes when enrolled in a s	ystem with photocells
Adjustable Delay Time	Ye	es	Yes when enrolled in a s	ystem with photocells
Adjustable Daylight Target	Ye	es	Yes when enrolled in a system with photocells	
Features				
IP Rating			P20	
Partial-ON/Partial-OFF	Yes, con	figurable	Yes, when used with	app system feature
Scheduling		Yes - with Gre	enMAX DRC App	
Grouping			Yes	
Scene Control	Yes			
Projects			Yes	
Security			Yes	





When To Use Comparison

When to Use Comparison	Low/High Bay Sensors		
Value Propositions	Fixture mount sensors designed for use with switching or 0-10V dimming ballasts /drivers		
When To Use	Anywhere basic occupancy / vacancy sensing is needed for auto-ON /auto-OFF or manual-ON / auto-OFF control		
Verticals	Offices Education Retail Healthcare		
When to Use Comparison	Solo		
Value Propositions	Low-cost, non-networked, embedded fixture sensors, no commissioning required, out-of-the-box factory configuration		
When To Use	Basic 0-10V dimming, occupancy sensing and daylighting control integrated directly into the fixture		
Verticals	Open Offices Warehouses Manufacturing Wet and Cold Locations		
When to Use Comparison	IP66 Smart Fixture Mount Sensors		
Value Propositions	Integrated fixture mount sensor designed for use with switching or 0-10V LED dimming drivers, and fluorescent ballasts		
When To Use	Ideal for installations requiring energy code compliance and high bay applications; app configurable		
Verticals	Warehouses Loading bays Outdoor lighting Parking garages Gymnasiums Libraries		
When to Use Comparison	Wireless Controls		
Value Propositions	Integrated fixture and room control; app configurable		
When To Use	Wireless individual fixture control; app configured; ideal for any space that requires intelligent sensing control to be integrated directly into the fixture		
Verticals	Education Offices Hospitality Healthcare		

Low Bay/High Bay Sensors

Cat. No.	Description	Applications
OSF20-IUW	Fixture Mount PIR Outdoor Integral Luminaire Occupancy Sensor designed to be mounted directly into a luminaire and is ideal for indoor or outdoor locations	Supermarket meat departments Food processing plants Parking garages
Cat. No.	Description	Applications
HB011-PDX	Fixture Mount PIR High Bay/Low Bay Dimming Occupancy Sensor with integrated photocell and two interchangeable lenses for 1-10V control	Warehouses Manufacturing Indoor parking garages
Cat. No.	Description	Applications
OSFHW-CTW	The Fixture Mount PIR High-Bay Wet Location External Occupancy Sensor comes with two interchangeable lenses for use in either a 360° high-bay or 360° low-bay general area and includes an aisle mask accessory	Supermarket meat departments Food processing plants Parking garages Wash down, high ceiling applications
Cat. No.	Description	Applications
OSM3D-DDW /V1W	High frequency occupancy sensor that detects motion through low density materials using high frequency electromagnetic waves Available in 0-10V dimming and non-dimming models	Garages Warehouses Metal walls or fixtures including wall sconces and wall packs
Cat. No.	Description	Applications
OSMHB-VDW	0-10V Dimming High Frequency Occupancy Sensor detects motion through low density material	 Wall sconces and wall packs Cafeterias Open office cubicles Warehouses Conference rooms Any space used by a multitech sensor

Solo Sensors

	Cat. No.	Description	Applications
	ZLS05-ILW	0-10V Dimming PIR Occupancy and Daylighting Sensor designed to be installed directly into a light fixture for standalone lighting control	Luminaire level lighting control, occupancy and light level sensing, 0-10V dimming, open offices, warehouses, manufacturing
9000 9000 9000 9000 9000 9000	ZLS10-IDW/ ZLS10-ILW	Outdoor PIR High-Bay Occupancy Sensor with Integrated Photocells designed to be installed directly into a fixture Ideal for mid to high-bay wet and cold application	Luminaire level lighting control, occupancy and light level sensing, 0-10V dimming, wet and cold locations



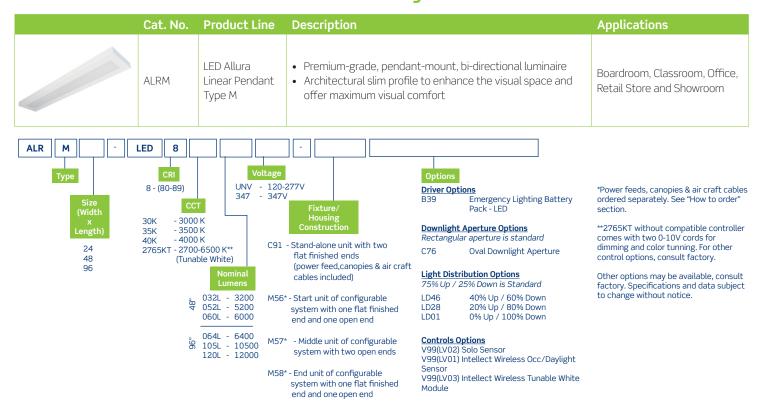
IP66 PIR Smart Integrated Fixture Mount Sensors

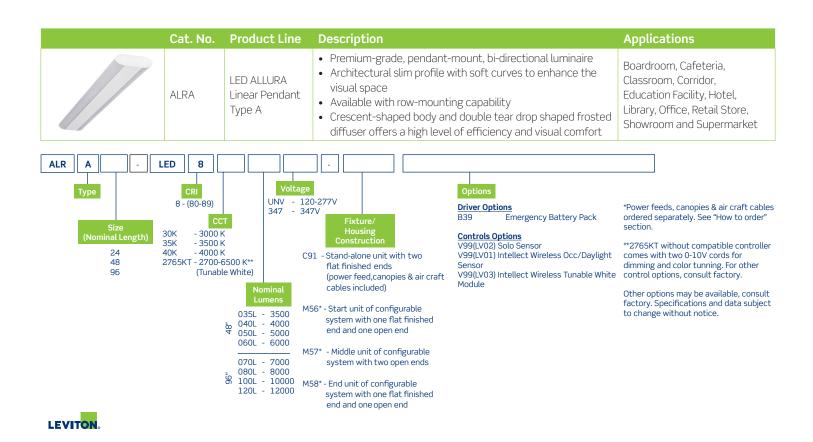
Cat. No.	Description	Applications
ZLD1Z-I0W/ ZLDUZ-I0W OFD1Z-I0W OFDUZ-I0W	 Designed for use with switching or 0-10V LED dimming drivers, and fluorescent ballasts Configuration is made using the Leviton Smart Sensor App from a smartphone or other Bluetooth®-enabled Android or iOS device 	 Warehouses Loading bays Outdoor lighting Parking garages Gymnasiums Libraries High-bay applications

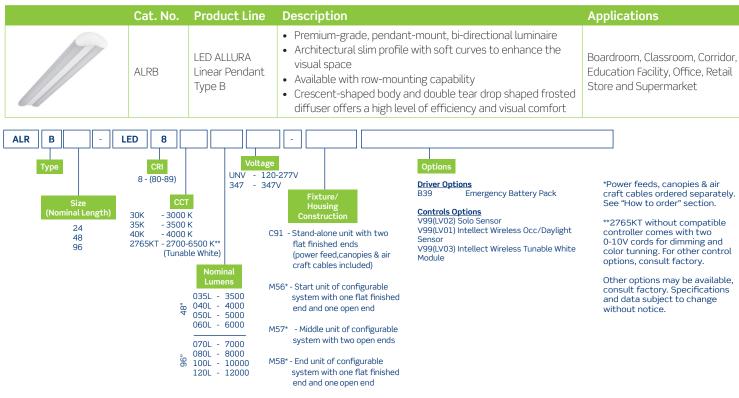
Integrated Wireless Fixture Controllers

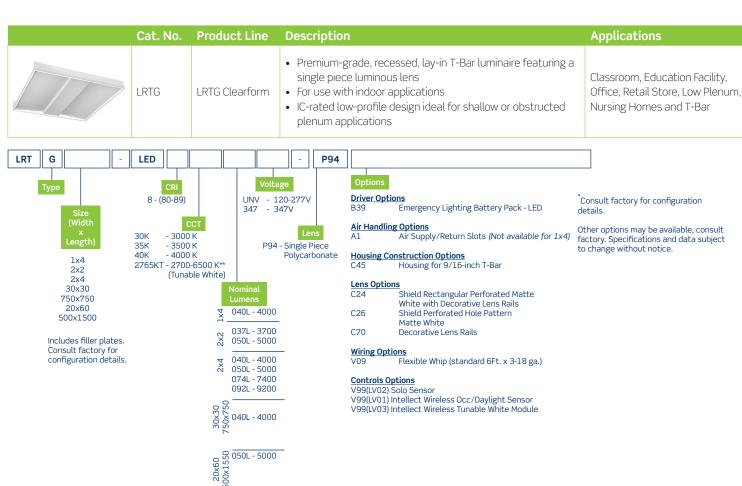
	Cat. No.	Description	Applications
	ZL07S-N00/ ZL0DS-N00	 Integrates digital Passive Infrared (PIR) occupancy detection and daylight harvesting into a single compact unit Designed for an optimal mounting height to fixture spacing of 1:1 at 8 feet with a maximum height of 10 feet 	Wireless lighting control systems, Intelligent fixture
The state of the s	ZL070-N00/ ZL0D0-N00	 Installs into industry standard 1/2" knockout or mounts within the fixture No sensor, 0-10V or DALI output 	control, Integrated, intelligent fixture controls • Primary fixture types: downlights, linear fixtures with deep cavities (direct/indirect,
Compared	ZL0D0-B0x/ ZL070-Bxx	 Mounting adjacent to driver in wiring compartment No sensor, 0-10V Output or DALI 	cylinders, Luminaire level lighting control, bi-directional luminaires



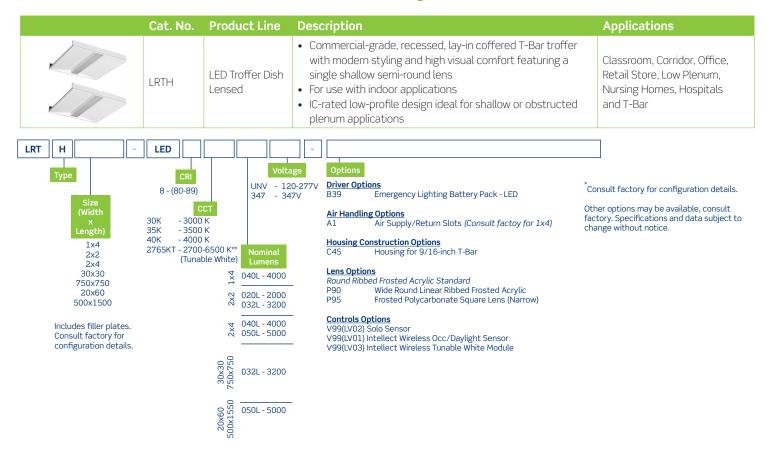


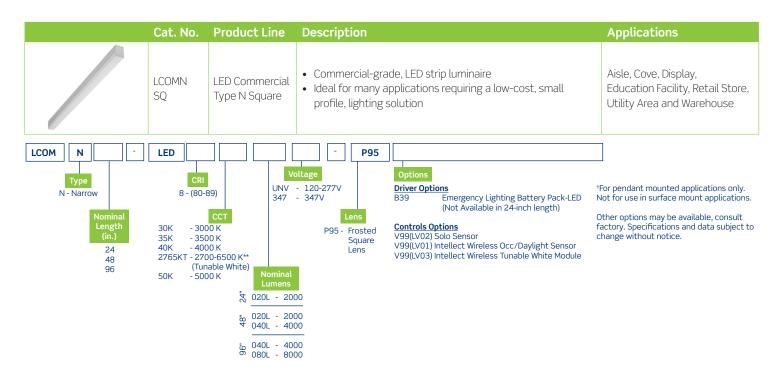


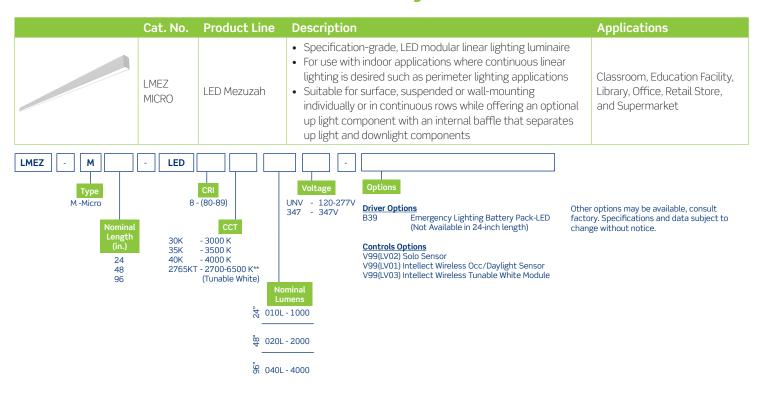






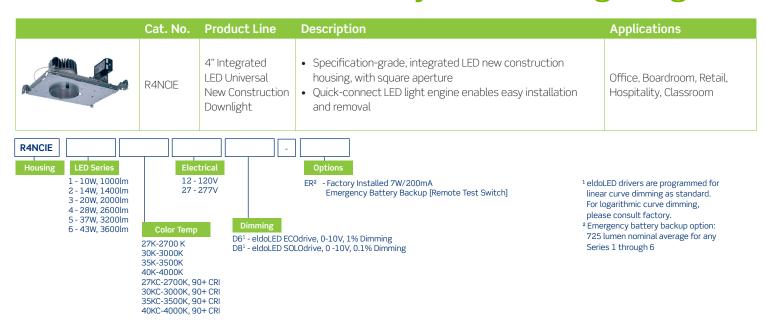


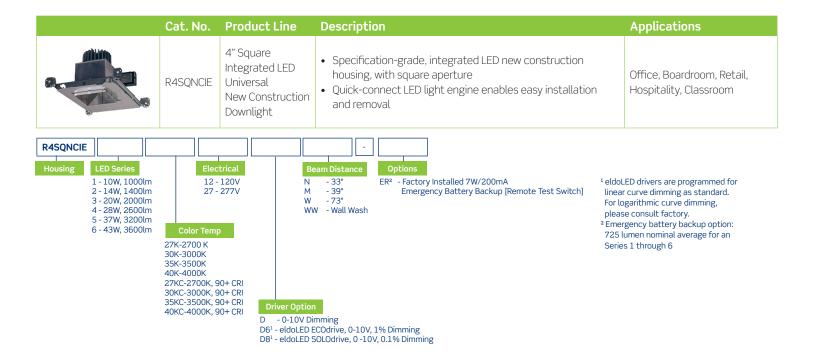






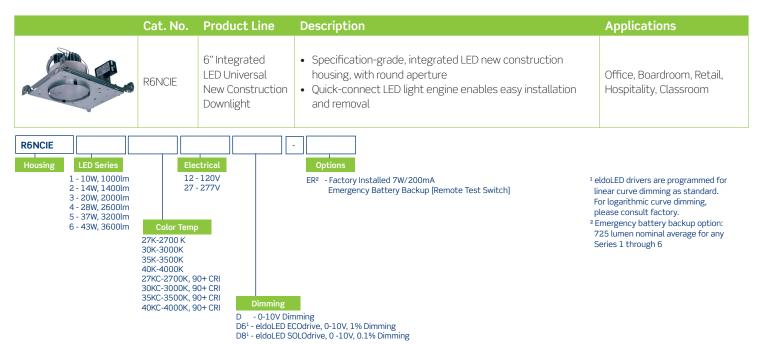
Intellect-Enabled Fixtures by ConTech Lighting







Intellect-Enabled Fixtures by ConTech Lighting

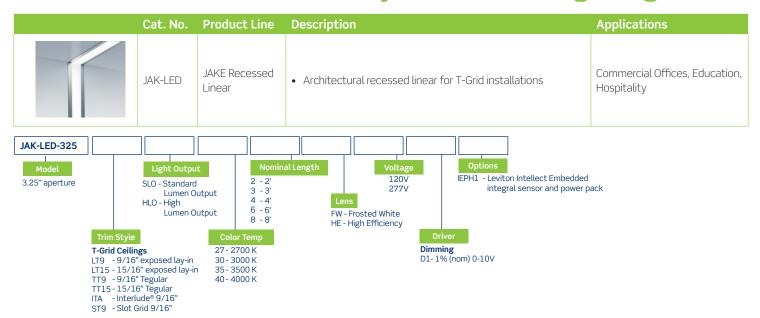


Additional Intellect-Enabled Fixtures by ConTech Lighting

Cat. No.	Description
CTL825 03	Horizontal Large Housing LED Track Luminaire
CTL18	Stealth LED Vertical and Horizontal Wall Wash/Flood Track Fixtures
CTL19	Mini Stealth LED Vertical and Horizontal Wall Wash/Flood Track Fixture



Intellect-enabled Fixtures by Birchwood Lighting

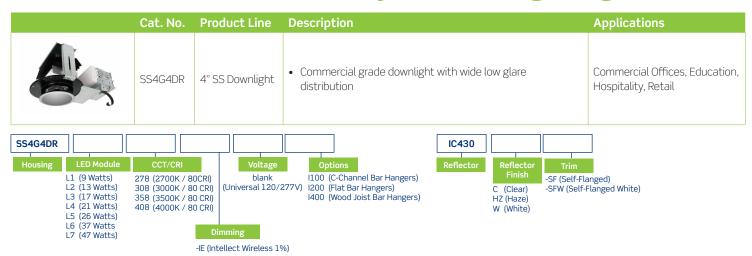


Additional Intellect-enabled Fixtures by Birchwood Lighting

Cat. No.	Description
KEL-LED-125 KEL-LED-225 KEL-LED-325	KELSEY square linear LED profile featuring multiple mounting, lens and lamping options within 1.25",2.25", or 3.25" extruded aluminum housings
ASH-LED	ASHLEY cove luminaire with uninterrupted diffuse illumination. Shadow-free cove lighting fixtures available in LED
NAT-LED	NATHAN compact 2 1/8" profile surface mount ledge luminaire with forward throw performance
BRA-LED	BRANDI Wet location fixtures. Available in 2' - 8' nominal lengths, continuous run available
VAN-LED-WW-400 VAN-LED-WG-400	VANESSA wet location IP65 rated wall wash. Available in 2' - 4' nominal lengths, continuous run available VANESSA wet location IP65 rated wall graze and wall wash. Available in 2' - 4' nominal lengths, continuous run available.
JILL-LED-xxx JIL-ASYM-LED-165	JILL drop-lens recessed linear luminaire Available in 1.65", 2.25", 3.25", and 5" apertures. 2', 3', 4', 6' and 8' nominal lengths, continuous run available. JILL Asymmetric luminiaire with 1.65" aperture. Available in 2', 3', 4', 6' and 8' nominal lengths, continuous run available
KAT-DR	KATRINA circular dual distribution luminaire. Available in 2', 3', and 4' diameters
JAK-LED-WG	JAKE wall graze and wall wash recessed linear fixtures. Available in 2' - 8' nominal lengths, continuous run available.
HAI-LED HAI-LED-225-RSM	HAILEY round architectural fixture. Available in 1.25", 2.25" and 3.25" apertures. Continuous run available. HAILEY RSM rotational surface mount luminaire. Available in 2', 3' and 4' nominal lengths.
BW165 BW165 TW	Small Profile 1.65" Direct/Indirect Fixture Small Profile 1.65" Direct/Indirect Tunable White Fixture
COL-LED	COLLIN dual distribution luminaires. Available in 1.25", 2.25" and 3.25" apertures
NOL-LED	NOLAN precision-edged luminaire. 1.25",2.25", and 3.25" profile linear fixture. Available in 2', 3', 4', 6' and 8' nominal lengths. Teardrop lens option for 225(TDW), continuous run available.
ERI-LED	ERIKA single direct or direct/indirect square or rectangular fixture. Constructed of 1.25", 2.25" or 3.25" mitered extruded aluminum.
MAD-xx-RING MAD-SRP MAD-FFC	MADELINE Ring standalone LED fixture available in 4' and 8' diameter rings MADELINE Serpentine continuous run LED pendant fixture MADELINE Free Form LED Fixture



Intellect-Enabled Fixtures by Intense Lighting



Additional Intellect-Enabled Fixtures by Intense Lighting

Cat. No.	Description
SS4G4WS SS4G4WR SS4G4DS SS4G4DR	4" LED Square Wall Wash 4" LED Round Wall Wash 4" LED Square Downlight 4" LED Round Downlight
SS6G4DRR SS6G4WR SS6G4DR	6" LED Remodel Downlight 6" LED Wall Wash 6" LED Downlight
SS8G4WR SS8G4DRR SS8G4DR	8" LED Wall Wash 8" Remodel Downlight 8" Downlight
SD6DRR SD6DR	SD 6" LED Remodel Downlight SD 6" LED Downlight
SD8DRR SD8DR	SD 8" Remodel Downlight SD 8" LED Downlight
SD4WS SD4WR SD4DRR SD4DS SD4DR	SD 4" LED Square Wall Wash SD 4" LED Round Wall Wash SD 4" LED Remodel Downlight SD 4" LED Square Downlight SD 4" LED Round Downlight
MXG2 MXG2C	MX G2 Vertical Round Accent MX G2 Vertical Round Accent Warm Dim





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Leviton Manufacturing Co., Inc. Lighting & Controls

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