

LED RETROFIT

Enhanced Solutions

Industry-Leading Reliability

universaldouglas® LED Retrofit Kits are the most efficient solution for moving traditional fluorescent to LED technology. The energy savings, low maintenance, and controllability of LED is appealing to customers, and universaldouglas offers a variety of options.

With our expanded line, we offer an LED retrofit continuum from Tubes (T8 replacement, T5HO replacement, AC Direct) to light engine retrofit (Tube and Driver kits, LED Retrofit kits) to full luminaire replacements.



Applications

- Education
- Industrial/Warehouse
- Office/Commercial
- Healthcare
- Retail
- Parking
- 120-277 VAC & 347-480 VAC

For a list of DesignLights Consortium® QPL listed products please visit www.designlights.org



7 YEAR WARRANTY

Lighting Controls Solutions

universaldouglas® offers a standalone wireless system capable of controlling lights in a wide variety of applications, including products such as wireless fixture controllers, wall switches and occupancy/daylight sensors all using The Bluetooth® wireless technology.

The system includes every Bluetooth enabled device as its own wireless node for sending, receiving and sharing control commands through a wireless mesh network, making it easy to pass information from one device to another and expanding the reach but also capable of personalize some specific devices if needed.



Simplicity













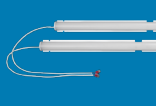
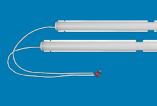
- Reliability, redundancy and easy expandability
- Increased energy & labor savings
- No network bridges or onsite internet required
- Long term reliability and performance
- Simplified commissioning
- Project flexibility

Great Solutions with Simple Installation











1. Install the fixtures with their compatible controller/sensor and battery.
2. Install the app on your iOS device and set up the lighting control devices.
3. Start reconfiguring and customize the lighting control devices.

Ask for a Demo at marketing@universaldouglas.com or visit www.universaldouglas.com




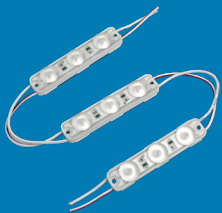


LED Retrofit Kits

	TRK 	PRK 	LRK34 	LRK 4' 	LRK 2' 	LRKB 	LRKC 
							
Voltage	120 - 277	120 - 277 & 347 - 480	120 - 277	120 - 277 & 347	120 - 277 & 347	120 - 277	120 - 277
Lumens	Up to 6000	Up to 9204	14000	Up to 6000	Up to 5568	Up to 7000	Up to 7000
LPW	Up to 139	Up to 139	145	Up to 148	Up to 124	Up to 122.9	Up to 124.2
Optical	Diffuser provides even light distribution	Low loss frosted acrylic center-basket style diffuser	Binning maintains color accuracy and consistency	Diffuser provides broad, even light distribution Binning maintains color accuracy and consistency	Diffuser provides broad, even light distribution Binning maintains color accuracy and consistency	Diffuser provides broad, even light distribution Binning maintains color accuracy and consistency	Diffuser provides even light distribution
Lengths	46.77", 22.63"	47.75", 23.75"	20", 42.46"	42.46	21.45	42.5	42.5
Temperature Rate	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)
Controls	Occupancy and photo sensor. Fixture Controller	Occupancy and photo sensor. Fixture Controller					Bluetooth Control
CCT	3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K	3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K	3500K, 4000K, 5000K	3500K, 4000K, 5000K	3500K, 4000K, 5000K
DLC	Standard	Standard / Premium	Premium	Standard	Standard	Standard	Standard
Applications	Commercial, Retail, Healthcare & Office	Commercial, Retail, Healthcare & Office	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail, Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Healthcare, Commercial & Retail	Healthcare, Commercial & Retail

LED Tube & Driver Kits

	LRx4T8 	LRx4T8 Low Power 	LRx4T8 Low Power 347V 	LRx4T8 w/Bluetooth Control 	2-Ft 
					
Voltage	120 - 277 & 347	120 - 277	347	120 - 277	120 - 277
Lumens	Up to 8800	Up to 7200	Up to 7200	Up to 7600	Up to 5400
LPW	Up to 96	Up to 116	Up to 116	Up to 130	135
Optical	210° Beam distribution for even illumination	210° Beam distribution for even illumination	210° Beam distribution for even illumination	210° Beam distribution for even illumination	210° Beam distribution for even illumination
Lengths	47.2", 47.5", 47.8"	47.2", 47.5", 47.8"	47.2", 47.5", 47.8"	47.2", 47.5", 47.8"	24"
Temperature Rate	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)
Controls				BT-LRT Bluetooth Controller	BT-LRT Bluetooth Controller
CCT	3500K, 4000K, 5000K	3500K, 4000K, 5000K	3500K, 4000K, 5000K	3500K, 4000K, 5000K	3500K, 4000K, 5000K
DLC	Standard	Standard	Standard	Standard	Standard
Applications	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking

LED Strip Retrofit Assembly

	Chains 	LRAC 	LRAP 
			
Voltage	12	120 - 277	120 - 277
Lumens	300Lm/Foot	Up to 11500	Up to 11500
LPW	150 /Foot	Up to 142	Up to 146
Optical		Diffuser provides broad, even light distribution. Binning maintains color accuracy and consistency	Diffuser provides broad, even light distribution. Binning maintains color accuracy and consistency
Lengths	2.85" (Module)	47.94"	47.94"
Temperature Rate	55°C (131°F)	40°C (104°F)	40°C (104°F)
Controls		BT-LWE Controller	
CCT	3500K, 6500K	3500K, 4000K, 5000K	3500K, 4000K, 5000K
DLC	-	Standard/Premium	Standard/Premium
Applications	Signage, back-lighting, architectural, and specialty lighting applications	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking	Education, Industrial, Warehouse, Office, Commercial, Healthcare, Retail & Parking

Industry-Leading Reliability

For over 70 years, universaldouglas® has been on the cutting edge of lighting design, leading the industry with increasingly higher standards for energy efficiency and quality in LED systems, ballasts, and control systems.

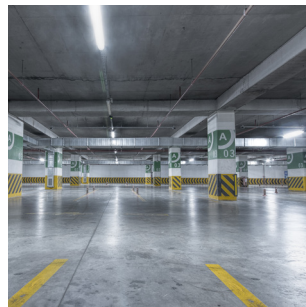
“Matched Systems”

universaldouglas® makes it easy to upgrade to LED technology with our complete in-house design (electronic, thermal and optical) including “matched” modules and drivers.

Controllability

The Bluetooth® controllers connect directly to the driver and is positioned within the fixture next to the lamps. Its base has an integral magnet to simplify installation, and the white housing and wire harness help it blend into the fixture. Offering ideal flexibility and performance, the Bluetooth Controller communicates with other Bluetooth ecosystem components, including sensors and wall switches. The system allows for dimming, on/off control with the wall switch or OCC sensor and daylight harvesting.

Designed for Everyday Applications



Learn More at www.universaldouglas.com

**It's EASY
to REACH US...**

universaldouglas.com



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LIT#: LEDQRGF031622