



DioLuce Model DL-R24 &
DL-R22 Light Assembly

smart light.



LED smart-light kit for retrofitting existing fluorescent fixtures

▶ Industrial ▶ Commercial ▶ Hospitals ▶ Schools

www.diolucesmartlight.com



Proven LED Technology*

DioLuce Smart Light has the ability to meet the needs of your environment.

* US Patents Pending:
14/104,564
29/480,249
59/494,409

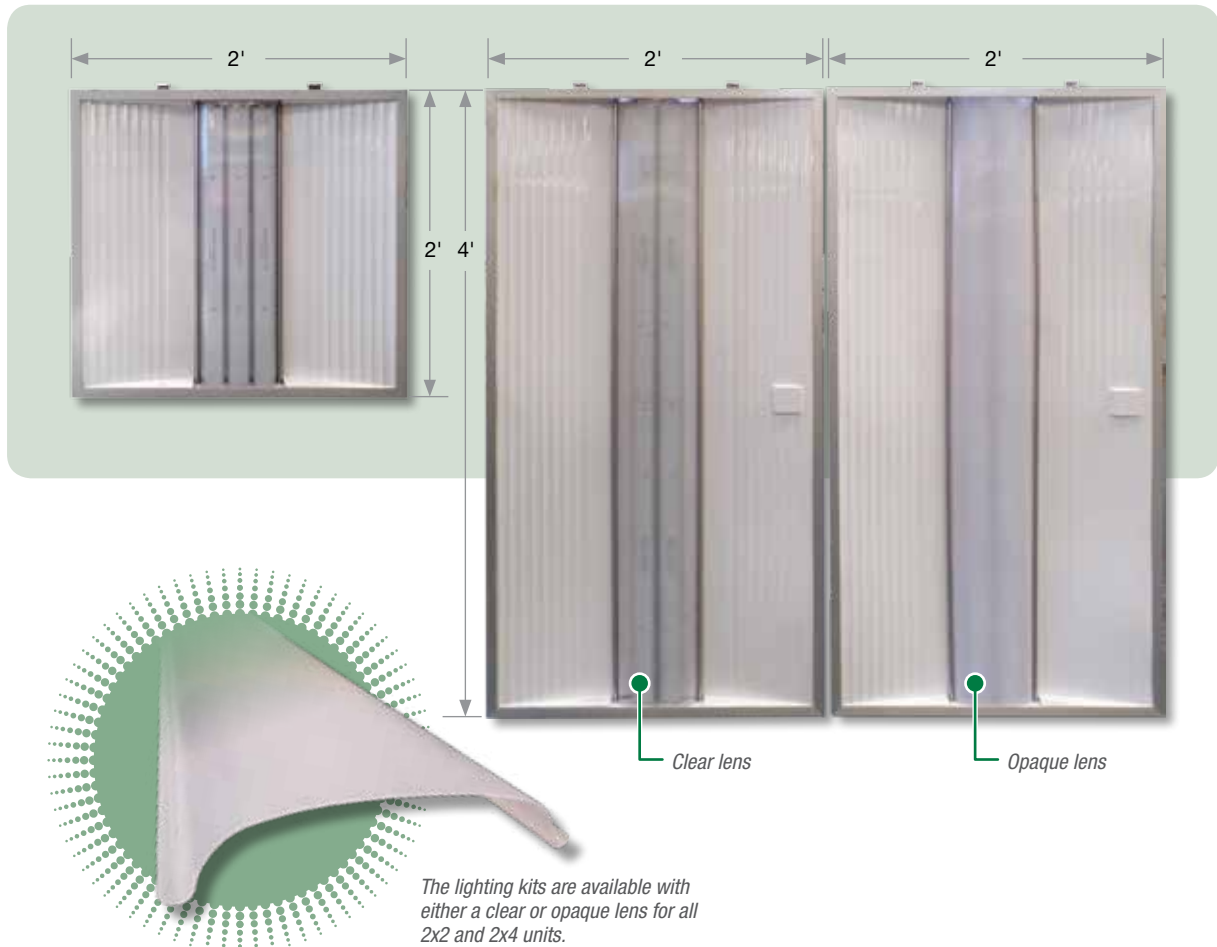


DioLuce Smart Light – Light Assembly Kits

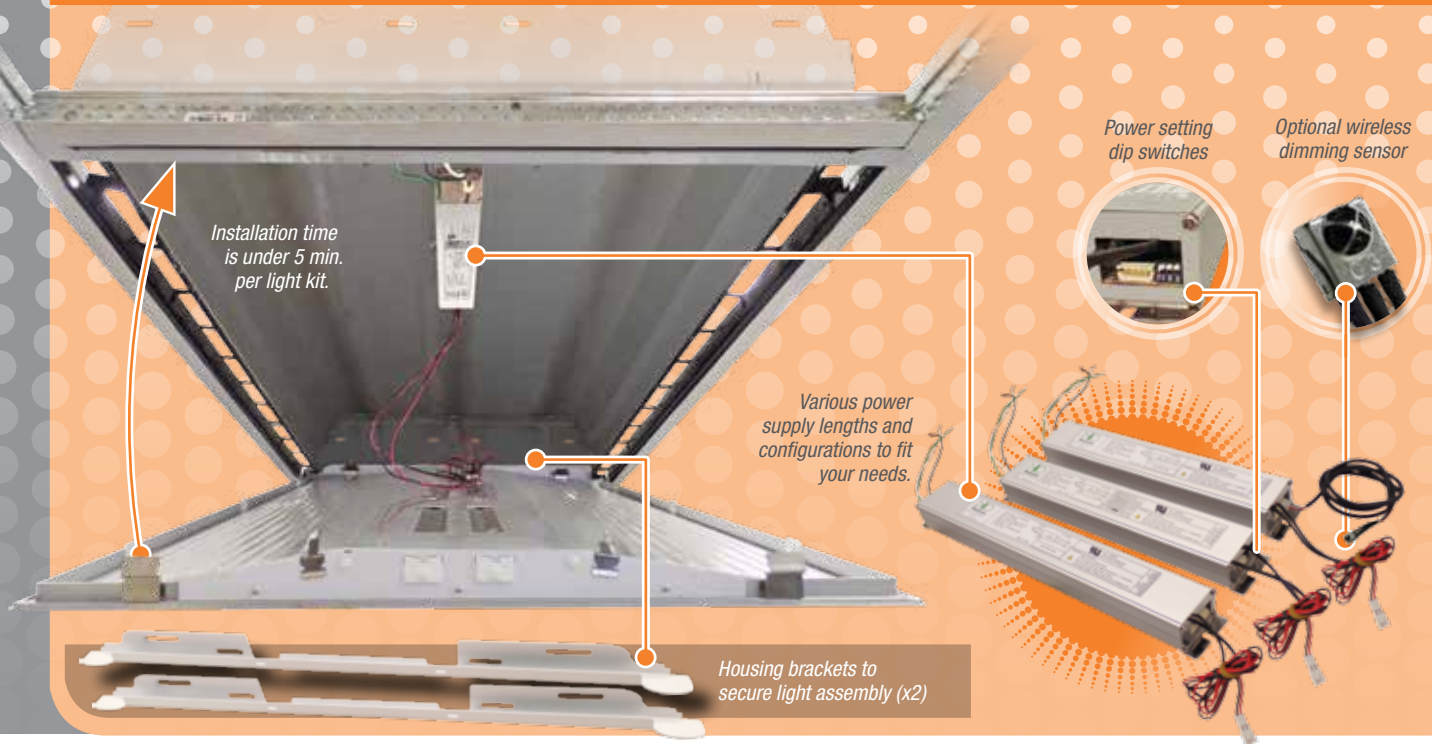
►► Innovative LED retrofit lighting kit for 2x2 and 2x4 existing fluorescent housings. DioLuce is an intelligent lighting solution for commercial/industrial building applications at a low cost.

The DioLuce LED retrofit lighting kit is designed for high-hours usage in commercial environments. Proven extended operating life of >60,000 hours. The nature of LEDs makes them inherently controllable, offer better dimmability and are environmentally friendly. DioLuce Smart Light kits will **maximize your energy efficiency** by more than 50% by offering adjustable light levels with our built-in sensors. DioLuce lights are fully customized to meet your needs. Our lights have a high lumen output, low energy consumption and **easy installation**.

LED light kit options for retrofitting existing fluorescent fixtures 2x2 or 2x4.



►► Easy installation using existing fluorescent housings



►► Existing fluorescent fixture housings remain intact. No re-chain or re-wiring needed. DioLuce light assembly kit installation is quick, safe and cost-effective.

- Save on labor costs and time with our easy retrofit kit
- The lightweight units and minimal steps to complete the installation are safer for the worker.

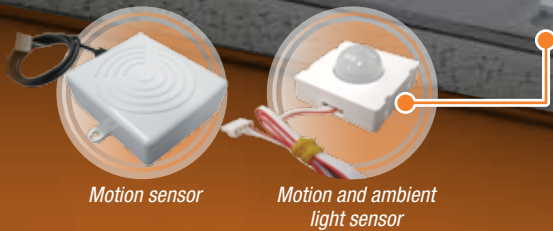
DioLuce LED retrofit lighting kits are easy to install. Using the existing fluorescent housing, the worker simply modifies the unit. No re-wiring or re-chaining needed. Simply install the two brackets, hang the unit and clip into place. The unit is secure.

The average time to complete the retrofit is just under five minutes per unit. This reduces the labor and cost.

No need to re-wire. Simply install the DioLuce power supply unit chosen based on the requirements. The power supply has controlled light output through dip switch settings or has a wireless sensor option. The wireless sensor allows for flexible control of the light output. A DioLuce wireless remote control with continuous dimming is available with the wireless sensor option.

DioLuce LED retrofit lighting kits contain no hazardous materials.

Motion sensors and remote dimming capabilities



Simple, flexible variable light out

► Motion sensors to reduce lighting load when space is unoccupied.

- Remote dimming capabilities. Continuous dimming as low as 15%. (Does not affect power factor.)
- Ambient Light sensors and motion sensors available

DioLuce LED Smart Lights maximizes energy efficiency which translates into cost-savings. With constant current control, over competitors voltage control, prevents power factor inefficiencies at lower light output. DioLuce can turn light on or off remotely and dim 40 watts to 5 watts.

The ambient light sensor will reduce light output during peak ambient lighting conditions.

With integrated light output controls, it eliminates the need to purchase expensive lighting controls thereby saving costs.



» Photometric Data

» Test conducted by Intertek:

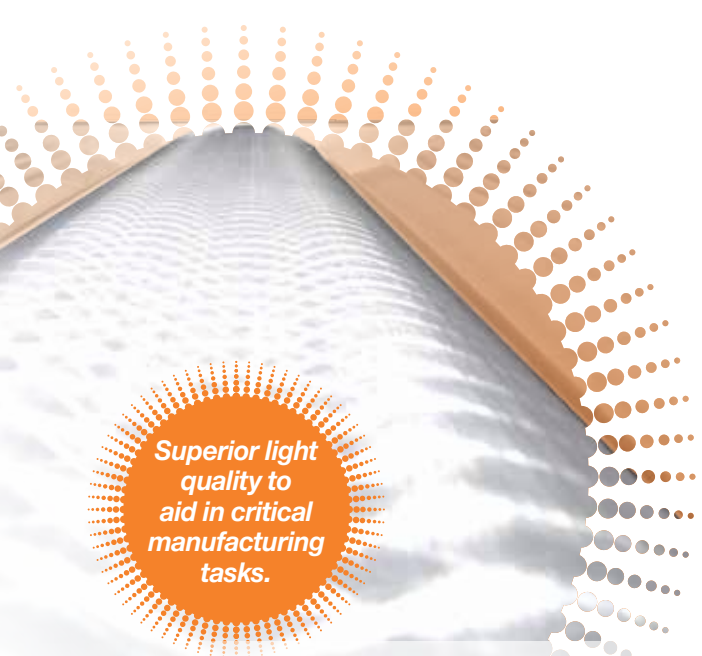
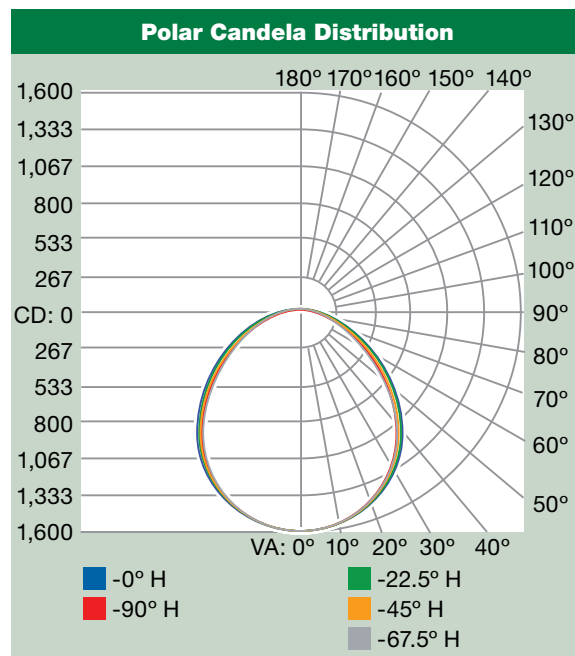
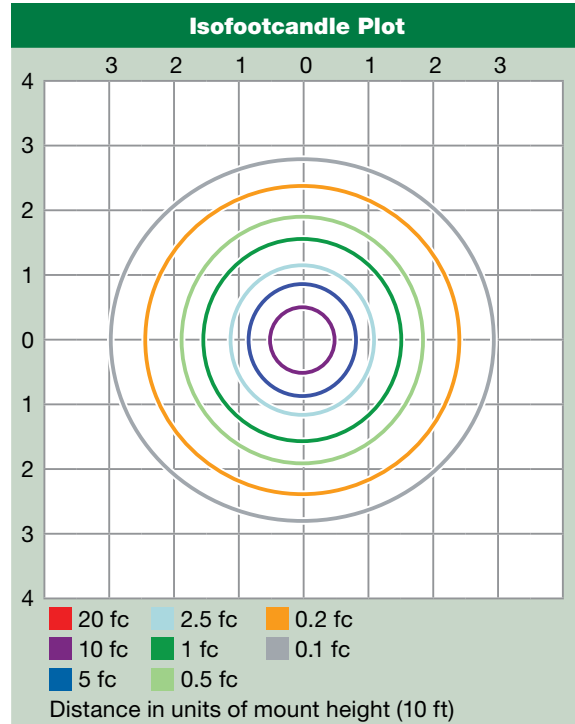
Report#: 10694142CRT-001 in accordance with IESNA LM-79 (2008)

(Data Presented from light fixture DL-R24-4530-5k0-001, set at 40 watts)

Illuminance at a Distance			
	Center Beam fc	Beam Width	
0.5 ft	6,386.4 fc	1.4 ft	1.2 ft
1.0 ft	1,596.6 fc	2.7 ft	2.4 ft
1.5 ft	709.6 fc	4.1 ft	3.5 ft
2.0 ft	399.2 fc	5.5 ft	4.7 ft
2.5 ft	255.5 fc	6.8 ft	5.9 ft
3.0 ft	177.4 fc	8.2 ft	7.1 ft

■ Vertical Spread: 107.5°
■ Horizontal Spread: 99.2°

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.7%	3,968.8	161.7	147.2
Beam (50%):	69.8%	2,836.7	99.2	107.5
Total:	100%	4,061.7		



» Specs / Ordering Information

» Specifications:

CCT:	4K, 5K	Current ATHD (%)	<6%
Lumens:	4000 lumens at 39 watts	Life:	>60,000hrs
CRI:	>85	Lens Options:	Clear, Opaque
Power Factor:	>0.99	Power Settings:	Dip Switches
Efficacy:	~105 Lm/W	Dimmer Control:	Yes
Power Supply:	120 VAC, or 277 VAC	Limited Warranty:	5 Years (see warranty for terms and conditions)

» Ordering Information:

Model R24	Model R22	Voltage	CCT	Lens
DL-R24-4530-5KO-001	DL-R22-4530-5KO-001	120	5K	Clear
DL-R24-4530-5KO-002	DL-R22-4530-5KO-002	120	5K	Opaque
DL-R24-5035-5KO-001	DL-R22-5035-5KO-001	277	5K	Clear
DL-R24-5035-5KO-002	DL-R22-5035-5KO-002	277	5K	Opaque
DL-R24-4530-4KO-001	DL-R22-4530-4KO-001	120	4K	Clear
DL-R24-4530-4KO-002	DL-R22-4530-4KO-002	120	4K	Opaque
DL-R24-4530-4KO-002	DL-R22-4530-4KO-002	120	4K	Opaque
DL-R24-5035-4KO-001	DL-R22-5035-4KO-001	277	4K	Clear

Available factory configurations for model numbers above

Model	-XXX	Watts	Power Factor	Lumens Clear Lens (5K)	Lumens Opaque Lens (5K)
DL-R24	1-0-0	40	0.996	4000	3800
DL-R24	0-1-0	35	0.996	3700	3500
DL-R24	0-0-1	31	0.995	3300	3300
DL-R22	0-0-1	29	0.996	3000	3000



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»» **Dioluce lights are tested and certified.**

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