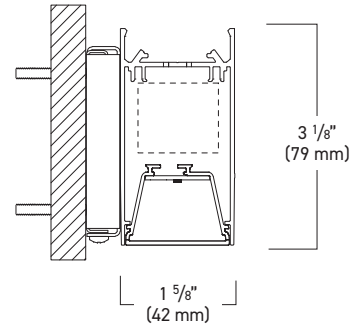
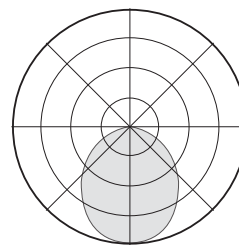


## REGOLO 1 RW13 Direct

Wall / Flush Lens  
Integral Driver



RW13-D (Flush Frosted Lens)  
100% Downlight



### Light Output and Energy Consumption\*

Light Level	lm/ft	Watts/ft	Efficacy
03	274.5	2.6	105.6
05	526.5	4.8	110.3
08	750.3	7.1	105.7

Lumen output may vary. 3500K / 80 CRI used for above results.

- Micro-scale functional wall mounted luminaire that provides unlimited lighting possibilities for creative design.
- Precision cut extruded aluminum housing. Housing standard finish is electrostatically applied textured white powder coat paint. Optional silver, black, or custom color paint finishes.
- Long-life distributed LED array in a variety of lumen output packages. LED color is available in 3000K, 3500K or 4000K with a CRI of 80 or 90. Custom outputs are available. Module is replaceable. L90>100,000 hours. Tunable white utilizes 50% 2700K and 50% 6500K diodes with a CRI of 90.
- Innovative high reflective acrylic lens assembly reduces internal components and utilizes a metal core PCBA that snaps into place. Removable for maintenance. Optimizes thermal management.

## ORDERING INFORMATION

SAMPLE NUMBER: RW13-D-FF-05L35-1C-U-D-W-4

RW13-D	FF			
SERIES	DIRECT SHIELDING <sup>1</sup>	LUMEN PACKAGE <sup>2</sup>	CRI/ CCT	CIRCUIT <sup>5</sup>
<b>RW13-D</b> - Regolo 1.5" wide, 3" tall direct integral wall mount	<b>FF</b> - Flush Frosted <b>FRL</b> - Frosted Dropped Lens (Luminous Ends)	<b>03</b> - 250 lm/ft <b>05</b> - 500 lm/ft <b>08</b> - 750 lm/ft <b>XX<sup>3</sup></b>	<b>L30</b> - 80 CRI, 3000K <b>L35</b> - 80 CRI, 3500K <b>L40</b> - 80 CRI, 4000K <b>H30</b> - 90 CRI, 3000K <b>H35</b> - 90 CRI, 3500K <b>H40</b> - 90 CRI, 4000K <b>TW<sup>4</sup></b> - Dynamic white tuning from 2700K to 6500K with a CRI of 90	<b>1C</b> - Single Circuit <b>1E</b> - Single Circuit with EM Circuit <b>1B10</b> - Single Circuit with 10W Battery Pack (CEC Compliant) <b>1B15</b> - Single Circuit with 15W Battery Pack (CEC Compliant)
<b>Notes:</b> 1. Consult factory for additional options 2. Nominal lumen output for 3500K, 80 CRI 3. Consult factory for custom lumen package 4. Tunable white requires TWV 0-10V or TWD DALI Eldoled Dualdrive driver 5. In order to have a battery or emergency circuit, luminaire is required to be >4". Consult factory for additional options. 6. Consult factory for specifications and custom dimming options. See page 2 for additional information 7. Specify run length in 6" increments 8. Specify 1 - 120 volt or 2 - 277 volt				

VOLTAGE	DRIVER <sup>6</sup>	LUMINAIRE FINISH	LENGTH	OPTIONS <sup>1</sup>
<b>U</b> - Universal <b>1</b> - 120 Volt <b>2</b> - 277 Volt	<b>Dimming 0-10v</b> <b>D</b> - Dim to 1% (Standard) <b>DO</b> - Dim to 1%, fade to off <b>DO2</b> - Eldoled Solodrive, dims to 0% <b>Tunable White</b> <b>TWV</b> - 0-10V, dims to 0% <b>TWD</b> - DALI Eldoled Dualdrive, dims to 0%	<b>DALI Dimming</b> <b>ELE</b> - Eldoled Ecodrive, dims to 1% <b>ELS</b> - Eldoled Solodrive, dims to 0% <b>Lutron Dimming</b> <b>L11</b> - Lutron HiLume™ Premier, dims to 0.1% <b>L12</b> - Lutron HiLume™ 2-Wire 120V Forward Phase, dims to 1% <b>L15</b> - Lutron HiLume™ H-Series, dims to 1% <b>L16</b> - Lutron HiLume™ 5-Series, dims to 5%	<b>W</b> - White (Standard) <b>S</b> - Silver <b>B</b> - Black <b>CC<sup>1</sup></b> - Custom Color <b>2</b> - 2 ft <b>3</b> - 3 ft <b>4</b> - 4 ft <b>5</b> - 5 ft <b>6</b> - 6 ft <b>7</b> - 7 ft <b>8</b> - 8 ft <b>XX<sup>7</sup></b> - x ft	<b>N</b> - Nightlight <b>DS</b> - Daylight sensor <b>OS</b> - Occupancy sensor <b>GTD<sup>8</sup></b> - Generator transfer device <b>ETS<sup>9</sup></b> - Electronic transfer switch <b>GLR</b> - Fusing

## PHOTOMETRICS

### RW13 FLUSH LENS

#### DIRECT DISTRIBUTION

Cat # RW13-D-FF-05L35-1C-U-D-W-4

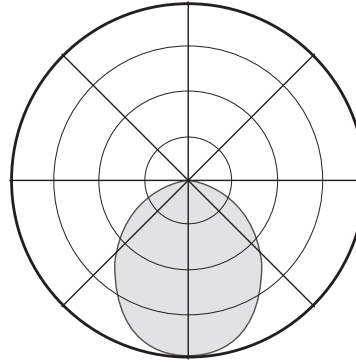
ITL Test #: ITL91006

Total Delivered Lumens: 2106

Input Watts: 19.1

Efficacy: 110.3 lm/W

100% Downlight



#### Luminance Data (CD/SQ.M)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14727	14085	13327
55	13374	12763	11972
65	11759	11320	10588
75	9640	9401	8844
85	5678	6625	6625

#### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30	651	31
0-40	1032	49
0-60	1720	82
0-90	2106	100
0-180	2106	100

## LIGHTING CONTROL

Nulite provides flexibility in meeting the needs of each project by easily integrating with several manufacturers for lighting control options.

**0-10V:** A non-directional dimming system. The control system tells the LED driver what to do and it adjusts according to the voltage on the control circuit.

**DALI:** Digital Addressable Lighting Interface is a simple two-wire control connection that goes to each fixture to form the control network. It allows LED drivers to be controlled independently from lighting control circuits.

**TUNABLE WHITE:** Aims to create lighting environments that are optimal for visual, mental, and biological health by being able to tune the color temperature of a light source. Utilizes a number of controllable channels to adjust the color temperature of the luminaire's white light output with precise varying of color temperature from a warm tone to a cool tone.

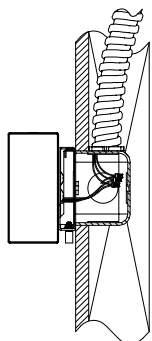
Solution	Manufacturer	Prefix	Series	Dim Level	Quantity of Wires	Dim to Dark (Smooth)	Fade to Off
<b>Dimming 0-10V</b>							
D	Variable			1%	2		
D0	Variable			1%	2		X
D02	eldoLed		SOLOdrive	0%	2	X	
<b>DALI Dimming</b>							
ELE	eldoLed		ECOdrive	1%	2	X	
ELS	eldoLed		SOLOdrive	0%	2	X	
<b>Tunable White</b>							
TWW - 0-10V	Variable			0%	2	X	
TWD - DALI	eldoLed		DUALdrive	0%	2	X	
<b>Lutron Dimming</b>							
L11*	Lutron	PEQ	Hi-Lume Premier	0.1%	2	X	
L12	Lutron	LTEA	Hi-lume™ 2-Wire 120V forward phase	1%	No Control Wires - Uses Hot		
L15	Lutron	LDE1	Hi-lume™ - H Series	1%	2	X	
L16	Lutron	LDE5	5-Series	5%	2		

\*Maximum lumen package is 03

## WALL MOUNT INSTALLATION DETAILS

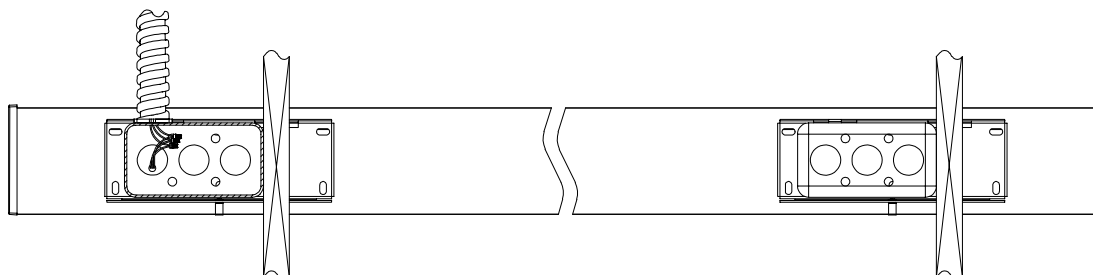
### WALL

Power Feed

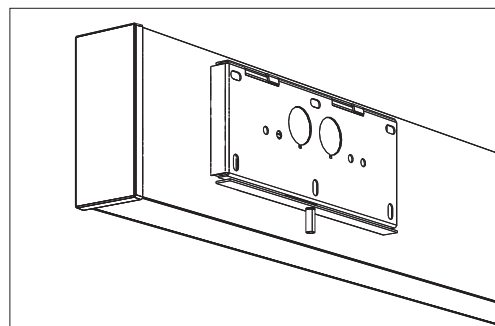


Side View

Non-Power Feed



Rear View Along Length



### STANDARD LENGTHS

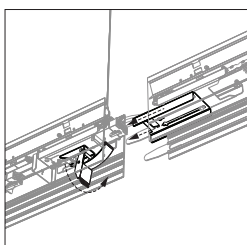
#### ORDERING EXAMPLE FOR STANDARD LENGTH

RW13-D-FF-05L35-1C-U-D-W-4

#### Lines

For linear individuals and continuous linear runs, specify run lengths to the nearest 6" for standard configurations. Nulite can achieve lengths to the nearest 1/8" if necessary, custom drawings and lead times may apply.

2'	3'	4'	5'	6'	7'	8'
607 mm	914 mm	1219 mm	1524 mm	1828 mm	2134 mm	2438 mm

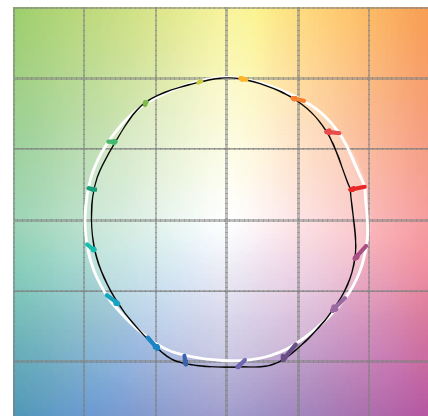
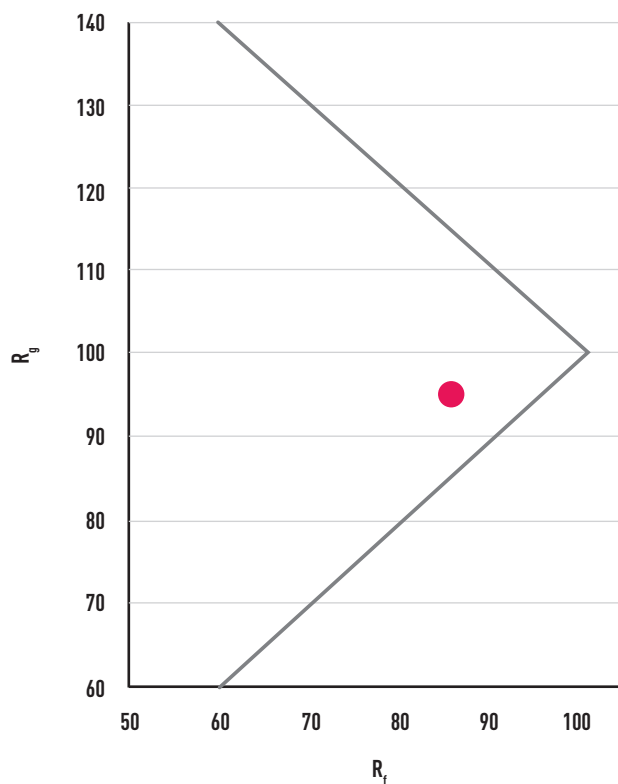
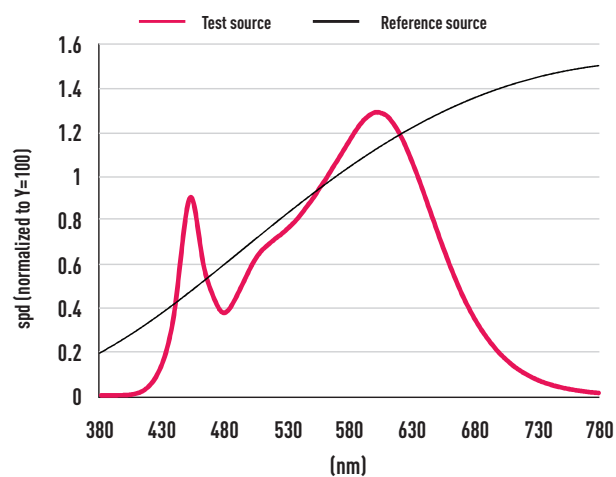


Tool less continuous joining

# TM-30 DATA

Cat # RW13-D-FF-05L35-1C-U-D-W-4

$R_f$	86	CCT (K)	3449
$R_g$	96	$D_{uv}$	-0.0006
		$u'$	0.2373
LER	323	$v'$	0.5115



Color Vector Graphic



Color Distortion Graphic

HUE BIN	$R_F$	GRAPHIC SHIFTS (%)
		HUE
1	80	0%
2	83	5%
3	81	8%
4	91	4%
5	93	2%
6	95	-2%
7	90	-3%
8	92	1%
9	88	5%
10	82	10%
11	82	10%
12	85	2%
13	88	-6%
14	80	-14%
15	80	-13%
16	78	-10%

## PRODUCT DETAILS

**LIGHT SOURCE** LED custom linear array is mounted with quick-connect wiring to facilitate service. Three lumen packages are available (03, 05, and 08). All luminaire configurations tested in accordance with IESNA LM-79. Diodes tested in accordance with IESNA LM-80.

**DRIVER** Standard constant current integral electronic driver with 0-10V dimming input standard; dimming range from 100% down to 1%. Dims to 0%, DALI, and Tunable white available. Universal (U), 120 volt (1), and 277 volt (2).

**OPTIONAL TUNABLE WHITE** Aims to create environments that are optimal for visual, mental, and biological health by being able to tune the color temperature of a light source. Utilizes a number of controllable channels to adjust the color temperature of the luminaire's white light output with precise varying of color temperatures from a warm tone to a cool tone.

**OPTIONAL DALI** Digital Addressable Lighting Interface is a simple two-wire control connection that goes to each fixture to form the control network. DALI enables dimmable transformers, relay modules, emergency fittings, and controllers from different manufacturers to be mixed and matched into a single control system, allowing LED drivers to be controlled independently from lighting control circuits.

**OPTIONAL BATTERY AND EMERGENCY OPTIONS** Recyclable Ni-Cad battery pack, battery run time is 90 minutes. Recharge time of 24 hours. 6W or 10W battery packs are available. Total output is determined by exact efficacy of specific configuration multiplied by battery wattage (i.e. RW13-D-FF-05L35-1C-U-D-W-4 with a 10W battery pack is a 1103 battery lumen output). Battery option not available in less than 4' lengths. Entire direct fixture housing is on battery for lengths up to 5'. Half of direct fixture is on battery for 6' - 8' housing lengths. Emergency or night light circuit available.

**SECURE TOOL-FREE JOINING DESIGN** A dynamic mechanism that ensures stable positioning, no light leak, and speeds up installation for continuous rows. Constructed with spring steel over center draw latch, 22 gauge thick.

**MOUNTING** Luminaire hangs 1/2" off the wall via mounting brackets fastened directly to the wall. Mount is hidden by luminaire. Wall mount cover for use with standard electrical junction box – individual mount or continuous runs. Refer to installation instructions for appropriate mounting detail.

**WARRANTY** 5-year limited warranty on LED and driver from date of shipment. Refer to the full warranty details on [www.nulite-lighting.com](http://www.nulite-lighting.com).

**LUMINAIRE LENGTH** Any length, 2-foot minimum, in increments down to 6". 8-foot maximum section length. 50-foot maximum continuous run length per circuit.

**WEIGHT** ~1.5 lbs/ft.

**APPROVALS** ETL listed, conforms to UL Standard 1598 / 8750 and CSA Standard C22.2, indoor dry/damp locations.

### INDEPENDENT TESTING

IESNA LM79 - Testing method for the Electrical and Photometric Measurements of Solid State Lighting on the complete system, such as luminous flux, electrical power, luminous intensity distribution, and various properties of chromaticity.

IESNA LM80 - Testing method for measuring lumen maintenance of LED light sources, applies to the LED package, array or module alone, not the complete system

IES TM-30-15 - Testing method for effectively evaluating and communicating a light source's color rendering properties.