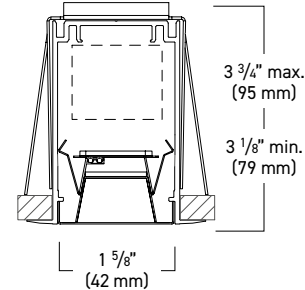
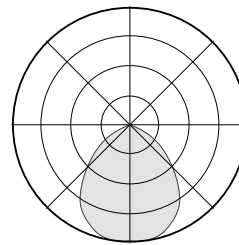


## REGOLO 1 RF1 Direct

## Recessed Flange / Baffle Integral Driver



RF1 (White Baffle)  
100% Downlight



### Light Output and Energy Consumption\*

Light Level	lm/ft	Watts/ft	Efficacy
03	186.0	2.6	72.3
05	357.3	4.8	74.8
08	513.0	7.2	71.5

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

- Micro-scale functional recessed 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.
- 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 hrs.
- Baffle provides additional shielding to reduce glare. Constructed with precision cut die-form sheet aluminum housing. The formed blades consist of 5/8" deep blades with 1 1/2" of spacing. Housing standard finish is electrostatically applied textured powder coat. Available in white or black.

## ORDERING INFORMATION

SAMPLE NUMBER: RF1-BW-05L35-1C-U-D-W-4

RF1				
SERIES	LUMEN PACKAGE <sup>1</sup>	CRI/ CCT	VOLTAGE	DRIVER
RF1 - Regolo 1.625" Wide, 3.125" Tall Integral Recessed Flange	03 - 250 lm/ft 05 - 500 lm/ft 08 - 800 lm/ft XX <sup>2</sup>	L30 - 80 CRI, 3000K L35 - 80 CRI, 3500K L40 - 80 CRI, 4000K H30 <sup>3</sup> - 90 CRI, 3000K H35 <sup>3</sup> - 90 CRI, 3500K H40 <sup>3</sup> - 90 CRI, 4000K TW - Tunable White 90 CRI, 2700-6000K	U - Universal 1 - 120 volt 2 - 277 volt	<b>Dimming 0-10V</b> D - Dim to 1% (Standard) D0 <sup>4</sup> - Dim to 1%, Fade to Off D02 - Eldoed Solodrive, Dim to 0% TW10 - Tunable White LUTRON - See Page 2
				<b>DALI Dimming</b> ELE - Eldoed Ecodrive, Dim to 1% ELS - Eldoed Solodrive, Dim to 0% TWDA - DALI Tunable White

### Notes:

- Nominal lumen output for 3500K and 80 CRI
- Consult factory for custom lumen packages.
- Efficacy reduction with 90CRI, see Light Output and Energy Consumption table above.
- Consult factory for specifications and manufacturer.
- Multiple power and control circuits can be accommodated. In Direct fixtures, the power and control circuits will be left to right within a fixture/row. Consult factory if the sum of the two numerals exceeds 4 (i.e. 12). Unable to accommodate left-right zoning in fixtures 5' or less.
- The EM Option will illuminate only the direct lighting of a 4' section in fixtures 6' or greater and illuminate the entire fixture in a 5' fixture or less.
- Battery Pack not available in fixtures 3' or less.
- Fixture with Baffle is only available in 2' increments.

CIRCUITING <sup>5</sup> / EMERGENCY OPTIONS <sup>6</sup>	SHIELDING	FINISH	LENGTH <sup>8</sup>	OPTIONS
Qty of Power Circuits 1 - 1 Circuit 2 - 2 Circuits	BW - Baffle White BB - Baffle Black	WH - White Painted Finish BK - Black Painted Finish SV - Silver Painted Finish	2 - 24" 3 - 36" 4 - 48" 5 - 60" 6 - 72" 7 - 84" 8 - 96" XX - Specify fixture lengths in 2' increments.	FLEX - 6' of Flex, 5-Wire GLR - Fusing DSOS - Combined Daylight and Occupancy Sensor
Qty of Control Circuits 1 - 1 Circuit 2 - 2 Circuits	Options B10 <sup>7</sup> - 10 Watt Battery Pack (CEC Compliant) B15 <sup>7</sup> - 15 Watt Battery Pack (CEC Compliant) EM - Dedicated Emergency Circuit GTD - Generator Transfer Device			

## PHOTOMETRICS

### RF1 WHITE BAFFLE DIRECT DISTRIBUTION

Cat # RF1-BW-05L35-1C-U-D-W-4

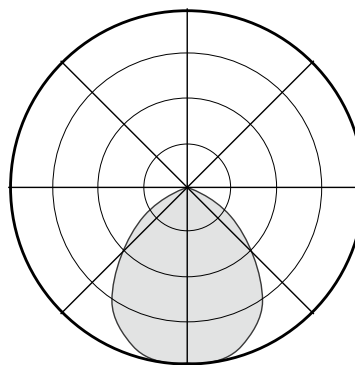
ITL Test #: ITL91196

Total Delivered Lumens: 1429

Input Watts: 19.1

Efficacy: 74.8 lm/W

100% Downlight



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

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16683	13234	9700
55	12489	8291	7493
65	5842	6059	5915
75	4593	4593	4593
85	3148	3148	3148

#### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30	587	41
0-40	896	63
0-60	1293	91
0-90	1429	100
0-180	1429	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.

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			0%	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>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	

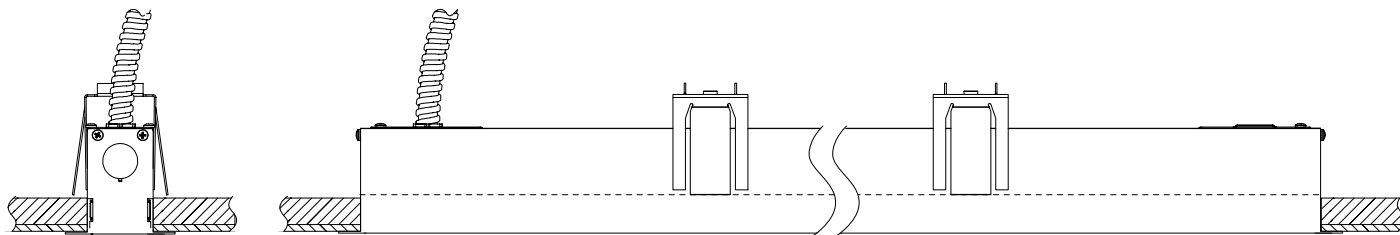
\*Maximum lumen package is 03

## RECESSED FLANGE INSTALLATION DETAILS

### CEILING

Power Feed

Non-Power Feed



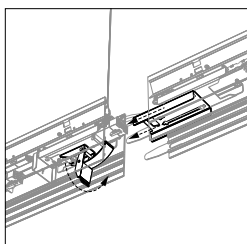
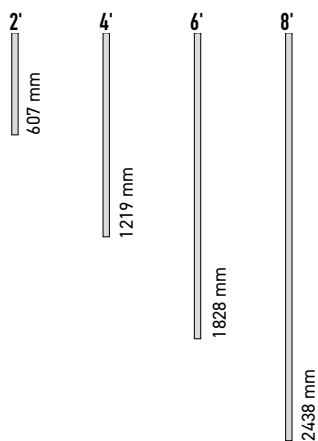
### STANDARD LENGTHS

#### ORDERING EXAMPLE FOR STANDARD LENGTH

RF1-BW-05L35-1C-U-D-W-4

#### Lines

For linear individuals and continuous linear runs, specify run lengths in 2' increments.

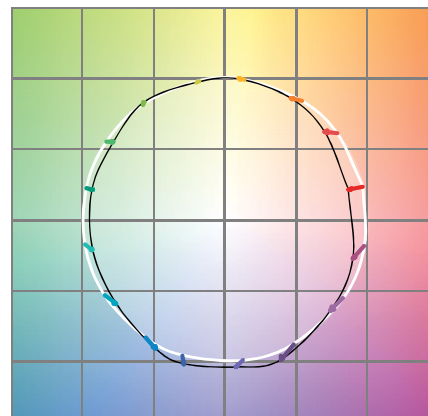
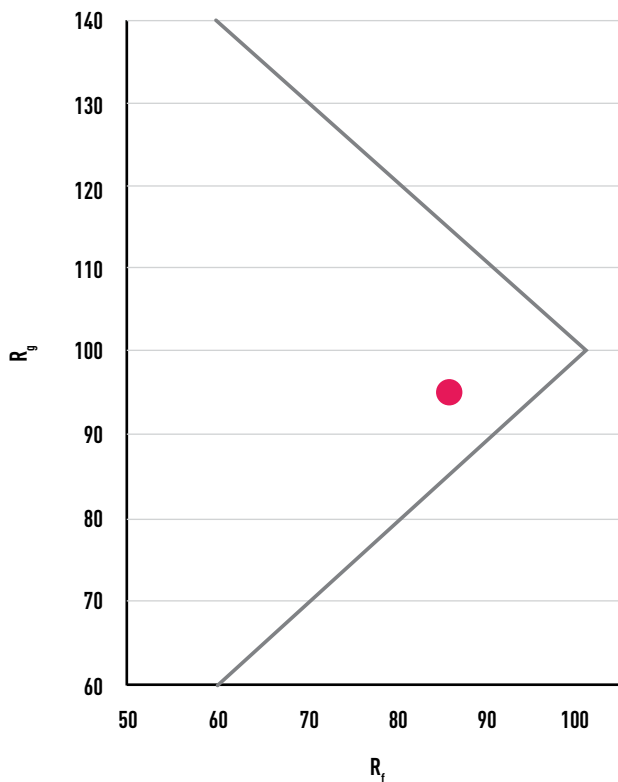
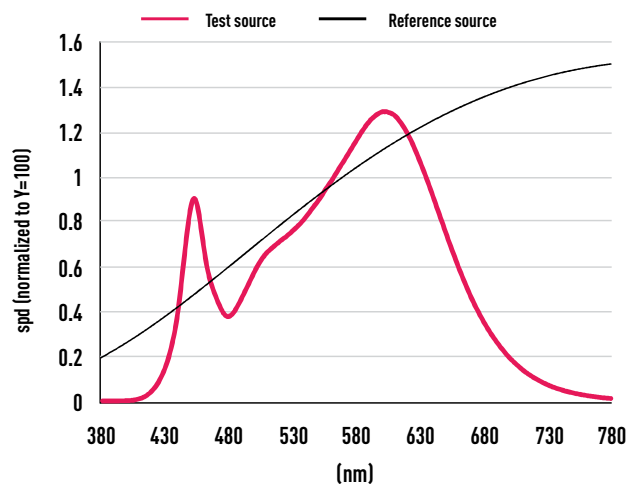


Tool less continuous joining

# TM-30 DATA

Cat # RF1-BW-05L35-1C-U-D-W-4

$R_f$	86	CCT (K)	3426
$R_g$	96	$D_{uv}$	0.0003
		$s'$	0.2375
LER	326	$v'$	0.5131



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% and DALI are available. Universal (U), 120 volt (1), and 277 volt (2).

**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. RF1-BW-05L35-1C-U-D-W-4 with a 10W battery pack is a 748 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** Inaccessible ceiling types. IC rated. 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 in increments of 2'. Minimum 2' length. Maximum 8' 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