

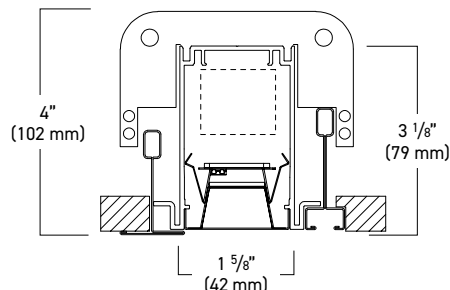
REGOLO 1

RG1

Direct

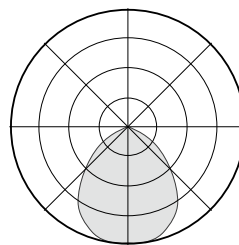
Recessed Grid / Baffle

Integral Driver



- 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.

RG1 (White Baffle)
100% Downlight



Light Output and Energy Consumption*

Light Level	lm/ft	Watts/ft	Efficacy
03	186.0	2.6	73
05	357.3	4.8	75
08	513.0	7.2	72

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

Multipliers for 80CRI: 3000K(.97) & 4000K(1.03)

Multipliers for 90CRI: 3000K(.81), 3500K(.84) & 4000K(.86)

ORDERING INFORMATION / Example: RG1-BW-03-L30-U-D-11-WH-8

RG1					
SERIES	SHIELDING	LUMEN PACKAGE	CRI/ CCT	VOLTAGE	DRIVER
RG1 - Regolo 1.625" Wide, 3.125" Tall Integral Recessed Grid	BW - Baffle White BB - Baffle Black	03 - 250 lm/ft 05 - 500 lm/ft 08 - 750 lm/ft XX	L30 - 80 CRI, 3000K L35 - 80 CRI, 3500K L40 - 80 CRI, 4000K H30³ - 90 CRI, 3000K H35³ - 90 CRI, 3500K H40³ - 90 CRI, 4000K TW - Tunable White 90 CRI, 2700-6000K	U - Universal 1 - 120 volt 2 - 277 volt	Dimming 0-10V D - Dim to 1% (Standard) D0¹ - Dim to 1%, Fade to Off D02 - Eldoiled Solodrive, Dim to 0% TW10 - Tunable White LUTRON - See Page 2
					DALI Dimming ELE - Eldoiled Ecodrive, Dim to 1% ELS - Eldoiled Solodrive, Dim to 0% TWDA - DALI Tunable White

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

Notes:

1. Nominal lumen output for 3500K and 80 CRI
2. Consult factory for custom lumen packages.
3. Efficacy reduction with 90CRI, see Light Output & Energy Consumption table above.
4. Consult factory for specifications and manufacturer.
5. 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. 22). Unable to accommodate left-right zoning in fixtures 5' or less.
6. 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.
7. Battery Pack not available in fixtures 3' or less. Battery Pack not available with multiple power and control circuits in fixtures 5' or less.

PHOTOMETRICS

RG1 WHITE BAFFLE

DIRECT DISTRIBUTION

Cat # RG1-05L35-U-D-11-BW-W-4

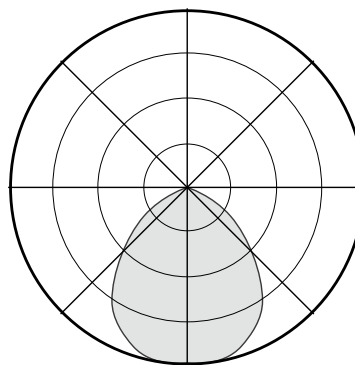
ITL Test #: ITL91196

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: Digitable 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.

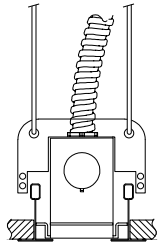
TUNABLE WHITE: Aims to create lighting environments that are optimal for visual, mental, and biological health by being able to tune the color temperature of a light source. Utilizes a number of controllable channels to adjust the color temperature of the luminaire's white light output with precise varying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

NULITE CAT#	DRIVER MANUFACTURER / SERIES	DIMMING / CONTROL PROTOCOL	DIM RANGE	NOTES/ DESCRIPTION
D	Signify Xitanium, Osram OTI	0-10v	100% -1%	Standard Nulite driver, reflects base fixture price
D0	Signify Xitanium, Osram OTI	0-10v	100% - 1% (Steps from 1% to 0% or OFF)	Standard Nulite driver, reflects base fixture price
D02	Eldoed Solodrive	0-10v	100% - 0%	Able to choose from 4 dimming curve options
L11	Lutron Hi-Lume Premier (PEQOE) Max lumen package 03	0-10v	100% - 0.1%	Hi-lume Premier 0.1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
L15	Lutron Hi-Lume Series (LDE1)	0-10v	100% - 1%	Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
L16	Lutron 5 Series (LDE5)	0-10v	100% - 5%	5 Series EcoSystem LED Driver
ELE	Eldoed Ecodrive	DALI	100% - 1%	
ELS	Eldoed Solodrive	DALI	100% -1%	Able to choose from 2 dimming curve options
TW10	Eldoed Dual Drive combined with Dual 0-10v DALI Translator	Tunable White, 0-10v	100% - 0%	2 channel tunable white system mixes 2700K and 6000K LEDs on the same Nulite LED PCB to create any CCT between 2700K and 6000K. Two channel drivers will be programmed for constant lumen output throughout the CCT range.
TWDA	Eldoed Dual Drive	Tunable White, DALI	100% - 0%	

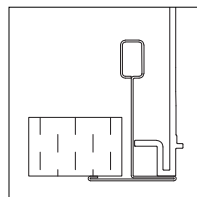
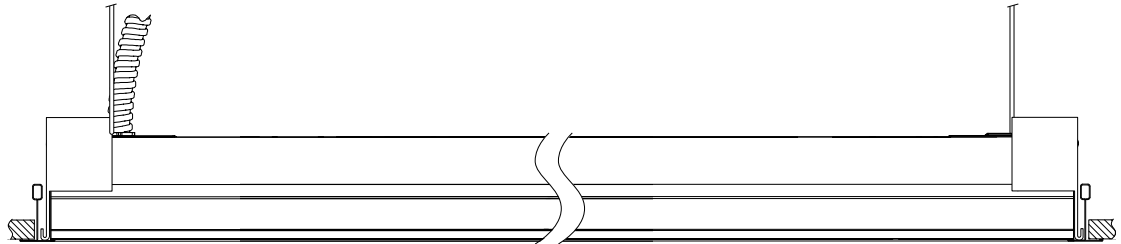
RECESSED GRID CEILING INSTALLATION DETAILS

CEILING

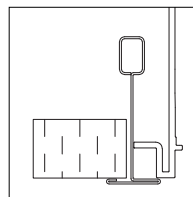
Power Feed



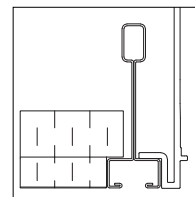
Non-Power Feed



T1
15/16" Grid



T9
9/16" Grid



TS
Slot Grid

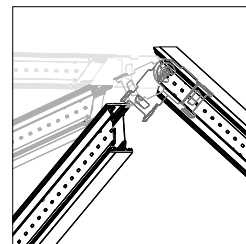
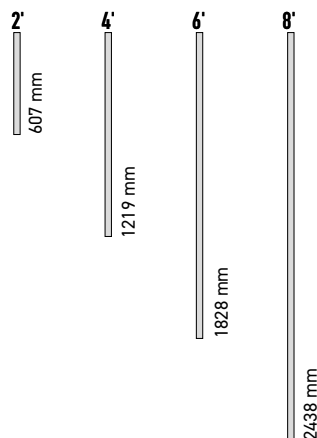
STANDARD LENGTHS

ORDERING EXAMPLE FOR STANDARD LENGTH

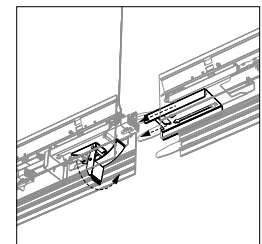
RG1-BW-05L35-1C-U-D-W-4

Lines

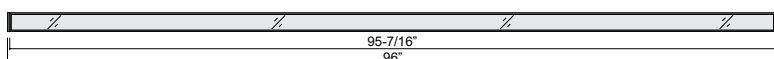
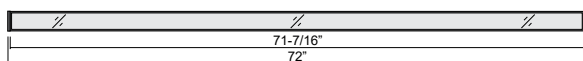
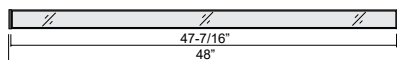
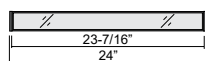
For linear individuals and continuous linear runs, specify run lengths in 2' increments.



Adjustable Bracket design



Tool less continuous joining

INDIVIDUAL FIXTURE LENGTHS

CONTINUOUS ROW LENGTHS

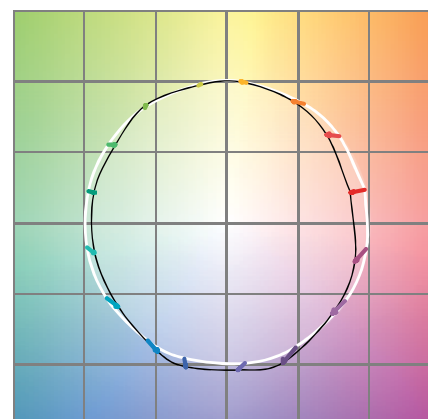
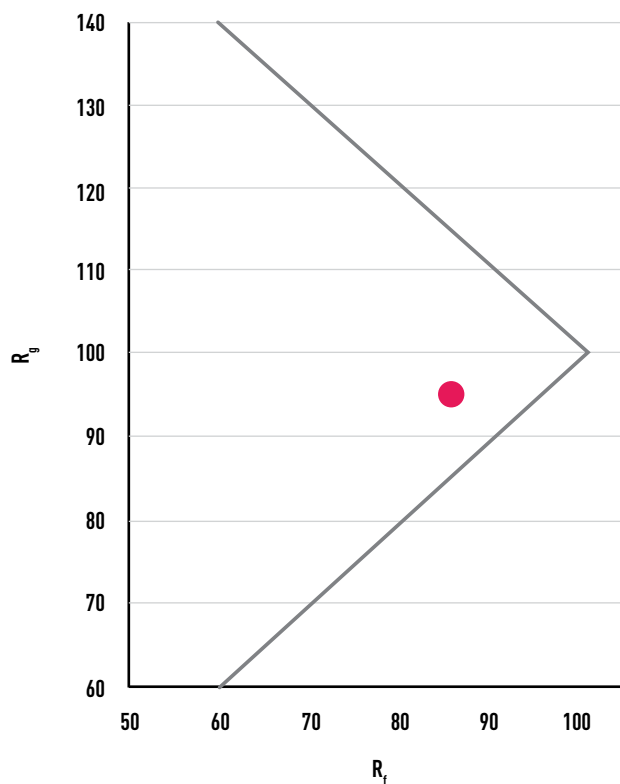
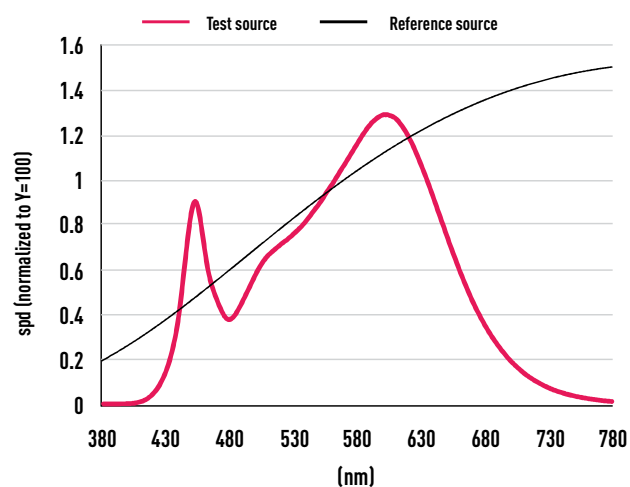
Run Length

Number of Housings		2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'	29'	30'	31'	32'	33'	34'	35'	36'	37'	38'	39'	40'	41'	42'	43'	44'				
	2'	1																																														
	3'		1																																													
	4'			1					1	1	1	1						1	1	1	1					1	1	1						1	1	1					1	1	1	1				
	5'				1				1					1				1				1				1				1				1			1					1						
	6'					1				1					1				1				1				1				1			1			1					1						
	7'						1					1				1				1			1				1				1				1			1				1						
	8'							1					1	1	1	1	2	1	1	1	2	2	2	2	3	2	2	2	3	3	3	3	4	3	3	3	4	4	4	4	5	4	4	4	4	5		

TM-30 DATA

Cat # RG1-05L35-UNV-D-11-BW-W-4

R_f	86	CCT (K)	3426
R_g	96	D_{uv}	0.0003
		u'	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	6%
3	81	9%
4	91	5%
5	93	3%
6	95	-2%
7	91	-3%
8	93	0%
9	89	4%
10	83	9%
11	82	10%
12	87	1%
13	88	-6%
14	81	-14%
15	79	-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. RG1-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 Tie-in T-bar brackets secure luminaire to the ceiling grid from above (T1, T9 or TS). 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/products/184.

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