

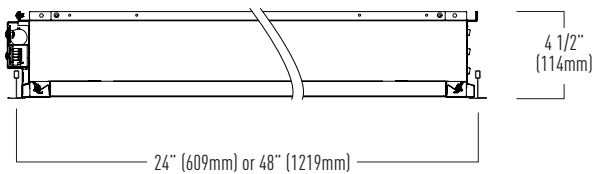
BOUNCE

Recessed LED Troffer

BRM2 Series / 2 Illuminated Sides

Bounce BRM series is a grid lay-in luminaire designed to eliminate glare from the office environment. The LEDs are concealed from view and top reflector indirectly reflects soft diffuse light into the work space.

- Construction:** Standard housings are die-formed 22 gauge cold rolled steel with a matte white powder coat painted finish.
- Driver:** Reflector / driver cover is finished with high reflectant white paint. Drivers are standard constant current electronic drivers with 0-10V dimming input with dimming range from 100% down to 1% and Universal (UNV) voltage from 120 - 277V, 50/60 Hz.
- LED Module:** Distributed LED array in a variety of lumen output packages. LED color is available in 3000K, 3500K, 4000K or 5000K and in 80CRI or 90CRI. Module is replaceable. Projected life is 90% of the light output at 100,000 hrs.
- Mounting:** Installs into most grid ceilings (1", 9/16", and Tegular or "Slot-T"). May also be installed into inaccessible ceilings with a separate flange kit (FLG).
- Labels:** ETL Listed, conforms to UL Standard 1598/8750, CSA Standard C22.2 and Damp Location.
- Warranty:** 5-Year Warranty Standard



ORDERING INFORMATION / Example: BRM2-24-55-L35-U-D-W

SERIES	SIZE	LUMEN PACKAGE ¹		CRI/CCT	BATTERY OPTIONS
BRM2 - Bounce Recessed, Concealed LEDs on 2 opposing sides (4 sides are illuminated on the 2'x4' model)	22 - 2' x 2'	2' x 2'	2' x 4'	L30 - 80 CRI, 3000K	B5 - 5W Battery Pack
	24 - 2' x 4'	20 - 2000 lumens (19W)	35 - 3500 lumens (33W)	L35 - 80 CRI, 3500K	B7 - 7W Battery Pack
		25 - 2500 lumens (25W)	40 - 4000 lumens (39W)	L40 - 80 CRI, 4000K	B10 - 10W Battery Pack
		30 - 3000 lumens (30W)	45 - 4500 lumens (44W)	L50 - 80 CRI, 5000K	B12 - 12W Battery Pack
		35 - 3500 lumens (36W)	50 - 5000 lumens (50W)	H30 - 90 CRI, 3000K	CEC - CEC Compliant (10W Battery Pack)
		40 - 4000 lumens (42W)	55 - 5500 lumens (55W)	H35 - 90 CRI, 3500K	
		45 - 4500 lumens (48W)	60 - 6000 lumens (61W)	H40 - 90 CRI, 4000K	
		65 - 6500 lumens (67W)	TW - Tunable White		
		70 - 7000 lumens (74W)	90 CRI, 2700-6000K		

VOLTAGE	DRIVER	W LUMINAIRE FINISH	MOUNTING OPTIONS	OPTIONS
U - Universal 1 - 120 Volt 2 - 277 Volt	Dimming 0-10V D - Dim to 1% (Standard) D0 ⁷ - Dim to 1%, Fade to Off D02 - Eldoled Solodrive, Dim to 0% TW10 - 0-10v Tunable White LUTRON - See options on page 2 DALI Dimming ELE - Eldoled Ecodrive, Dim to 1% ELS - Eldoled Solodrive, Dim to 0% TWDA - DALI Tunable White	W - White (Standard)	FLG - Flange kit for sheet rock ceiling applications	CP - Chicago plenum SIC - Seismic clips GLR - Fusing FLEX3 - 6' of Flex, 3-wire FLEX5 - 6' of Flex, 5-wire ETS - Electronic transfer switch GTD - Generator transfer device UP - Unit pack

Notes:
 1. Nominal lumen output for 3500K and 80 CRI

PHOTOMETRIC DATA

BRM2-22-31-L35

ITL Test #: ITL94197

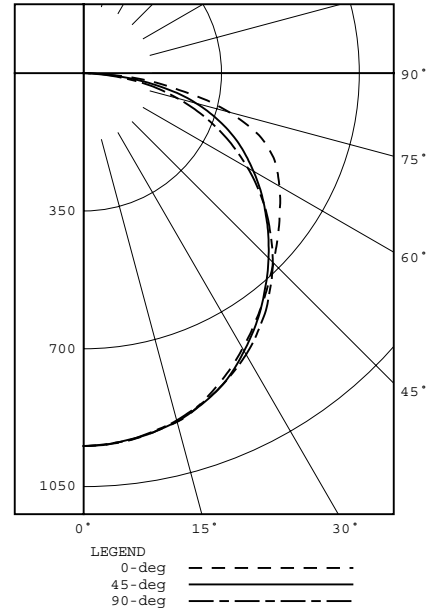
Total Delivered Lumens: 3111

Input Watts: 31.2

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	742	23.9
0- 40	1225	39.4
0- 60	2251	72.4
0- 90	3111	100.0
90-180	0	0.0
0-180	3111	100.0

EFFICACY = 99.7 lm/W
 CIE TYPE - DIRECT
 PLANE : 0-DEG 90-DEG
 SPACING CRITERIA : 1.27 1.30
 BEAM ANGLE (50%) : 140.7 X 121.0 DEGREES
 FIELD ANGLE (10%) : 171.4 X 166.8 DEGREES
 LUMINOUS LENGTH :20.688 20.688

LUMINANCE DATA IN CANDELA/SQ M			
ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
45	3493.	3401.	3478.
55	3839.	3504.	3485.
65	4602.	3771.	3488.
75	5345.	4142.	3456.
85	5070.	3657.	2701.



DRIVER INFORMATION

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	Eldoled Solodrive	0-10v	100% - 0%	Able to choose from 4 dimming curve options
L11	Lutron Hi-Lume Premier (PEQ0E) 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	Eldoled Ecodrive	DALI	100% - 1%	
ELS	Eldoled Solodrive	DALI	100% -1%	Able to choose from 2 dimming curve options
TW10	Eldoled 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	Eldoled Dual Drive	Tunable White, DALI	100% - 0%	

PRODUCT DETAILS

LIGHT SOURCE LED custom linear array is mounted with quick-connect wiring to facilitate service. A wide array of lumen packages are available. 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).

TUNABLE WHITE Aims to create environments that are optimal for visual, mental, and biological health. Two 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.

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. RP13-B-FF-05L35-1C-U-D-W-4 with a 10W battery pack is a 1220 battery lumen output). Battery option not available in less than 4' lengths. Entire direct fixture housing is on battery for lengths up to 5'. 4' of direct fixture is on battery for 6' - 8' housing lengths. For bi-direct fixtures less than 72", the battery will be split equal power for the direct and indirect portions. For bi-direct fixtures 72" and longer, the full power of the battery will power 4' of the direct portion. Emergency or night light circuit available.

MOUNTING Designed to install into most grid ceilings (1", 9/16", and Tegular or "Slot-T"). May also be installed into inaccessible ceilings with a separate flange kit (FLG).

WARRANTY 5-year limited warranty on LED and driver from date of shipment. Refer to the full warranty details on www.nulite-lighting.com.

LUMINAIRE LENGTH Standard luminaire sizes are nominal 2'x2', and 4'x4' designed to lay into common grid acoustical ceiling systems.

WEIGHT 2'x2'-12lbs, 2'x4'-24lbs.

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.