



- COOLED** Real-time temperature monitoring and control
- BACK2LIFE** Innovative light fixture refurbish and recycle program
- EZ SWAP** Tool-less interchangeable reflector assembly system
- SHIP2FAST** Fast delivery program

ON LIGHT

NANO R 6" LED DOWNLIGHT FIXTURE



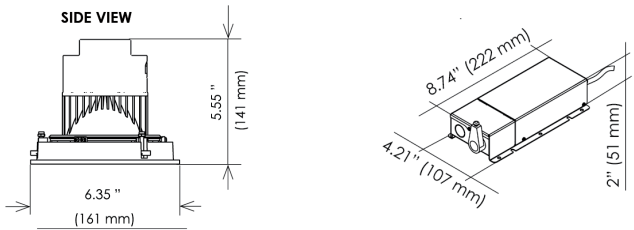
BUILD YOUR CODE

NANO E	PRODUCT	DELIVERED LUMENS	LED COLOR	CRI	BEAM SPREAD	VOLTAGE	HOUSING COLOR	DIMMING OPTION	CONFIGURATION								
NANO R	15	1500 LM (15W) ¹	27	2700 K	84	nominal CRI at 3500K	SP	18° ▲	1	120 V	WH	RAL 9016 white	ADIM	0-10V 5%	1R	Single round ○	
	20	2000 LM (20W) ¹	30	3000 K	90	90 CRI min. value	NFL	25° ▲▲	2	277V	BK	RAL 9005 black	ADIM+	0-10V 0.1%	1S	Single square □	
	26	2600 LM (23W) ^{1, STD}	35	3500 K	97 *	(2700k 3000K 5600K)	FL	35° ▲▲▲	3	347V	SL	RAL 9006 silver	DALI	Dali	2S	Double square □□	
	30	3100 LM (30W) ²	40	4000 K	A	A Class*	WFL	45° ▲▲▲			+	Custom color	CA	Casambi	3S	Triple square □□□	
	40	4100 LM (40W) ²	TW	Tunable white	* A Class only available with (3000K, 3500K, 4000K)									—	None	4S	Quad square □□□□
	50	5100 LM (49W) ^{2, STD}	B	Bread color												XS	Custom square
		Nominal value at 3500K & 84 CRI.	M	Meat color													
		F	Fish color														
		LT	Luxitone (halogen-style)														
		+	All Bridgelux CCT														

ACCESSORIES : Order as separate part number
HCL Honeycomb louver
PG Protection Glass (glass or plexi)
LS Lens
CA Custom adapter between existing ceiling opening and trim
CP Square cover plate
MP Mounting plate
DM Driver mount for ceiling grid
EM Emergency batteries. 90min illumination time. Only available with 25W / 2600lm option.

DELIVERED LUMEN															
CCT OPTION	2700K	2700K	2700K	3000K	3000K	3000K	3500K	3500K	3500K	4000K	4000K	4000K	Bread	Meat	Fish
CRI OPTION	80	90	97	80/A	90	97	84	90	A/80	84	90	A/80	80	80	80
MULTIPLIER	.93	.77	.67	.96	.80	.71	1	.83	.78	1.0	0.86	.83	.86	.53	1

DIMENSIONS



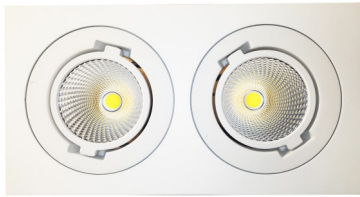
- Weight trim:** 2.6 lb (1.2 kg)
- Weight driver :** 1.8 lb (0.8kg)
- Ceiling opening S4:** 14" x 14"
- Ceiling opening S3:** 7" x 21"
- Height in ceiling :** 4.2" + 3" min clearance
- Ceiling opening R1:** 6"
- Ceiling opening S1:** 7" x 7"
- Ceiling opening S2:** 7" x 14"

ON LIGHT CHEAT SHEET :

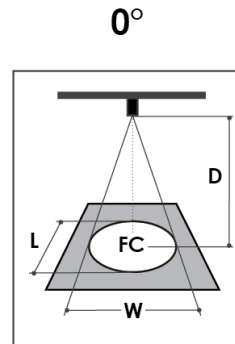
- Nominal Efficacy : up to 107 lm/W
- Reported Life : 50'000 hrs. in accordance with IESNA TM-21-11.
- 3-Step MacAdam ellipse color consistency for clean and uniform lighting.
- Photometry conducted by independant NVLAP (National Voluntary Laboratory Accreditation Program) accredited testing laboratory in accordance with IESNA LM-79-08.
- Lumen maintenance for LED's tested by LED chip manufacturer in accordance with IESNA LM80-08.
- 5-year warranty on LED light engine, driver and all lighting fixture components.
- Die-cast aluminum construction. Single gimbal trim pivotable on 1 axis up to 30° and 350° rotative.
- Max settable driver output : 125W (1500lm-2600lm) / 255W (3000lm-5100lm).
- Tool-less interchangeable reflector and accessories assembly system
- Retrofit installation mechanism.
- Emergency batteries 90min illumination. 3 Year warranty on emergency batteries system.

Last update February 3, 2020

Due to continuous improvements, the information herein may be changed without notice



NANO R 6" LED DOWNLIGHT FIXTURE



CONE OF LIGHT DIAGRAM

(diameter shown is where fc is half the fc at nadir)

Product Family	Beam Spread	CBCP cd	D ft	FC	L ft	W ft	Product Family	Beam Spread	CBCP cd	D ft	FC	L ft	W ft
Nano 5000 lumen 3500K 84 CRI	18° (Spot)	32505	10	325.1	3.0	3.0	Nano 5000 lumen 3500K 84 CRI	35° (Flood)	13816	10	138.2	5.2	5.2
			12	225.7	3.6	3.6				12	95.9	6.3	6.3
			14	165.8	4.2	4.2				14	70.5	7.3	7.3
			16	127.0	4.8	4.8				16	54.0	8.4	8.4
			18	100.3	5.4	5.4				18	42.6	9.4	9.4
20	81.3	6.0	6.0	20	34.5	10.4	10.4						
Nano 5000 lumen 3500K 84 CRI	25° (Narrow Flood)	21618	10	216.2	4.1	4.1	Nano 5000 lumen 3500K 84 CRI	45° (Wide Flood)	8979	10	89.8	7.3	7.3
			12	150.1	4.9	4.9				12	62.4	8.8	8.8
			14	110.3	5.7	5.7				14	45.8	10.3	10.3
			16	84.4	6.5	6.5				16	35.1	11.7	11.7
			18	66.7	7.3	7.3				18	27.7	13.2	13.2
20	54.0	8.1	8.1	20	22.4	14.6	14.6						

TECHNICAL PRODUCT SPECIFICATIONS

TRIM HOUSING :	De-cast aluminum housing construction. Pivotable trim up to 350° and can be pivoted on 1 axis up to 38°. EZ Swap Tool-less interchangeable reflector assembly system between all track and downlight products. Trim frame can accommodate ceiling thickness up to 0.79" (20mm).	COOLING SYSTEM :	COOL ^{ED} Temperature sensor/Integrated Circuit controlled brushless MagLev® fan which features zero friction without contact between shaft and bearing. Rated acoustic noise: 17 dBA (nearly inaudible). Rated life: 60'000 hrs
OPTICAL SYSTEM :	Tool-less, user-friendly MIRO ® pure aluminum optical reflector assembly available in four beam spreads: 18 °, 25 °, 35 ° & 45 °. Faceted/dimpled reflector ensures clean and uniform beam of light.	CASAMBI	Bluetooth dimming or CCT control via free Casambi app for Android and Apple
LED LIGHT ENGINE :	BRIDGELUX VERO SERIES 2 or 3 SDCM / 2 or 3 Step MacAdam ellipse multi-chip LED cluster Light Engine yields perfect color consistency with clean and uniform beam of light.	DIMMING	Dimming option down to 5% or 0.1%.
LED DRIVER :	Proprietary LED driver with closed-loop LED Light Engine temperature monitoring & control system for long-life (Prevents LED Light Engine damage caused by overheating). Power factor: > 97 % at 120 V. Driver output is Class 2 rated.	CERTIFICATION :	CSA certified to US and Canadian safety standards. Photometrically tested by NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. LED Light Engine tested by LED chip manufacturer in accordance with IESNA LM-80-08. Lighting Facts qualified.
A CLASS COLOR :	Class A is based on human response testing, providing color points with a combined GAI and CRI metric.	FINISH :	Roughed textured powder-coated paint finish. Available in RAL 9016 white, RAL 9005 black and RAL 9006 silver. Track adapter/ canopy will match luminaire color.
FOOD COLOR :	Ensures accurate food color rendition of meat, bread or fish in food retailers.	WEIGHT :	Trim : 2.6 lb (1.2 kg)
BRIDGELUX CCT :	1750K, 2000K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5600K, 5700K, 6500K.	INPUT POWER	Max settable driver output : 25W(1500lm-2600lm) / 55W(3100lm-5100lm).
R9 VALUE	Mini. R9 value for 80 CRI CRI is 0. the min. R9 values for 90 LED is 50. the min. R9 value for 97 CRI LED is 93. For Décor series LED, Typical R9 value is 98 to enhance RED's and an R15 value of 97	POWER INCLOSURE	Metal enclosure with Wago electrical terminal block/connector for easy installation.
LUXITUNE	Tunable white light engine capable of simulating a halogen-style warm dimming and CCT Tuning in the same product. Warm dim. 3000K to below 1800K. CCT dim. mode: 1800K to 6500K. CRI 90, SDCM 2 at 3000K. Available	ENVIRONMENT :	Rated for dry locations only. Applications in damp or wet locations will void warranty.
		REPORTED LIFE :	50'000 hrs at L77 in accordance with IESNA TM-21-11 (Projecting Long Term Lumen Maintenance of LED Light Sources).
		WARRANTY :	5-year comprehensive system warranty (LED Light Engine, LED Driver and luminaire parts).
		BACK TO LIFE :	Luminaire can be refurbished with the newest generation of LED and driver.
		MADE IN CANADA :	Luminaires are assembled in Canada, Beloeil.
		GAI	GAI value 80 @ CRI93