NLC Series

NSF Low profile Ceiling surface / T-grid 15/16 to 1-1/2 in.

FME Lighting | ILLUMINATING INDUSTRIAL APPLICATIONS

Project:	
Type:	
Catalog # :	

MADE IN USA

UL LISTED | WET | NSF | ADA | CCEA Approved | BSL 1-4 | IC Rated | ISO3 | 209E CLASS 1 | 5 YEAR | IP66

SPECIFICATIONS

Mounting
Ceiling surface or recessed grid - 15/16"to 1-1/2" T Grid. Knockouts for earthquake cable supports provided.

Housing
18 gauge cold rolled steel die-formed to shape with seams welded, ground smooth, and caulked airtight. Aluminum and 304 stainless steel available.

Door
One-piece 18 gauge cold rolled steel, gasketed and sealed overlapping door. Freedom Hinge™ design permits removal and hinging from either side. Aluminum and 304 stainless steel available.

Lens
Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

Finish
Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

Hardware
Stainless steel Phillips head fasteners.

Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
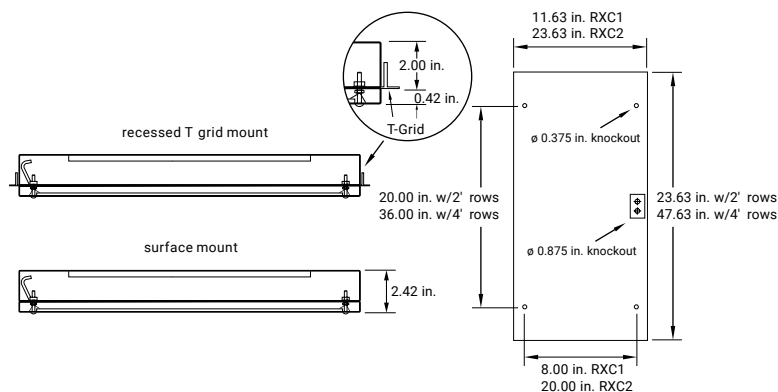Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

CERTIFICATIONS

· UL Listed wet location
· IP66 rated
· Suitable for use in ISO-3 clean rooms
    · 209E Class 1
· USP 797 and USP 800 compliant
· Certified NSF2 for splash/non-food zones.
· Suitable for use in Natatorium Environments, Cleanrooms, laboratories, research facilities, kitchen areas & vivariums.

DIMENSIONS

recessed T grid mount

surface mount

2.00 in.
0.42 in.
T-Grid

2.42 in.

11.63 in. RXC1
23.63 in. RXC2

ø 0.375 in. knockout

20.00 in. w/2' rows
36.00 in. w/4' rows

23.63 in. w/2' rows
47.63 in. w/4' rows

ø 0.875 in. knockout

8.00 in. RXC1
20.00 in. RXC2

LUMENS

See Page 2 for All Lumen / Output Information..

ORDERING INFORMATION

ORDERING GUIDE

NLC						
Series	**Luminaire Size**	**LED Source**	**CCT**	**CRI**	**Housing Material**	**Housing Finish**
NLC	A = 1 x 2, two rows max	Refer to the LED Source Table on Page 2 for available options.	S = 3000K	8 = 80 CRI	S = Cold rolled steel: standard	W = White
	B = 1 x 4, two rows max		I = 3500K	9 = 90 CRI	A = Aluminum	B = Brushed (Stainless steel only)
	C = 2 x 2, four rows max		C = 4000K		T = 304 Stainless steel	
	D = 2 x 4, four rows max		K = 5000K			

		LV	**D**			

Door Material	**Door Finish**	**Voltage**	**Driver**	**Internal Lens**	**Options**	
S = Cold rolled steel: standard	W = White	LV = 100-277 VAC	D = 0-10Vdc Dimming: standard	S = Optic Plus LED diffusing acrylic: standard	2C = Two circuit wired	CP = CCEA Chicago
A = Aluminum	B = Brushed (Stainless steel only)			P = Optic Plus with RF grid, Must be used with RF filter*	AM = Anti-microbial coating *(door only / Grid Mounting)*	EM = Emergency battery backup
T = 304 Stainless steel				L = .125 in. LED diffusing Lexan	AMH = Anti-microbial coating *(door and housing / Surface Mounting)*	FH = Fuse and holder
						IMS = Integral Occ Sensor
					CU = Canadian UL Listing	NL-LED = Night light, LED
						RF = Radio interference

LUMENS

	CRI	LED Life
	>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
1'x 2' Fixture									
1W20	2146	125	2178	127	2252	132	2306	135	17.1
1W35	3535	123	3588	125	3693	129	3799	132	28.7
2W55	5282	133	5361	135	5519	139	5677	143	39.6
1'x 4' Fixture									
1W55	5282	133	5361	135	5519	139	5677	143	39.6
1W70	7070	129	7176	131	73 87	135	7598	139	54.8
2W100	9616	134	9759	136	10046	141	10333	145	71.5
2W120	11492	134	11664	136	12007	140	12350	144	86.0
2W140	14140	129	14352	131	14774	135	15196	139	109.6
2' x 2' Fixture									
2W55	5281	133	5360	135	5518	139	5675	143	39.6
2W70	7069	129	7174	131	7385	135	7596	139	54.8
4W95	9098	135	9233	137	9505	141	9777	145	67.6
4W120	11489	134	11661	136	12004	140	12347	144	86.0
4W145	14137	129	14348	131	14770	135	15192	139	109.6
2' x 4' Fixture									
2W55	5325	145	5405	148	5564	152	5723	156	36.6
2W90	8819	138	8950	141	9213	145	9477	149	63.7
2W120	11808	137	11984	139	12337	143	12689	148	86.0
2W150	14529	133	14746	135	15180	139	15614	142	109.6
3W220	21794	133	22119	135	22770	139	23421	142	164.4
4W270	26389	135	26783	137	27571	141	28358	145	195.3
4W300	29059	133	29493	135	30360	139	31277	143	219.1

SPECIFIED OUTPUT OPTION

FME Lighting programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example for a 2x4 on how this will be specified:

Example Model:
NLC-D-XX[1]-S-8-S-W-S-W-LV-D-S (XX[2]/LUMENS)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

90 CRI multiplier	.83