

NMP2-LED

24V Josh LED Puck Light

Source: 3.5W LED
300lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Josh, a slim light disk LED system for accent, under cabinet, in-cabinet, niche, and jewelry cases, and other applications with limited space. These low-profile fixtures can be spaced together to provide excellent and even illumination on all surfaces. The Josh pucks does not produce a diode image and can be recessed or surface mounted. Combined with ultra low-profile housing, Josh offers unique features and a great ease of installation. LED technology eliminates forward heat from the fixture, also no UV or infrared rays to harm artwork, retail displays or heat sensitive foods. The luminaire produces more light than a traditional 20 watt xenon or halogen puck while consuming only 3.5 watts each puck.

FEATURES

- 24V Low Voltage System
- 300lm / 3.5W
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- Well suited for very small spaces 0.6" deep with 2.72" diameter
- Recessed or surface mount
- Easy installation
- Dimmable with power supply
- 12", 24", 38" and 48" extension cables accessory available.
- No flicker delay or warm up like compact fluorescent products
- No UV light or infrared wavelengths
- 5-Year Limited Warranty
- Each puck comes with a 72" wire and connector

ELECTRICAL

Input Voltage: 24VDC

Lumens / Wattage: 300lm / 3.5W

Color Temperature: 2700K, 3000K, 3500K, 4000K

Color Rendering Index: 90+ CRI

Operating Temp.: 20°C to 50°C

Cord Length: 72" wire and connector

Maximum # of Units Per Interconnect: Six luminaires can be connected to interconnect (NMPA-6P-24). Each luminaire must connect to interconnect, cannot daisy chain.

Life Expectancy: 50,000 hours

Dimming: Specified by driver

Cabinet Installation: Up to three puck lights may be installed in an enclosed cabinet size of 3.5" x 11.5" x 12"

LABELS AND LISTINGS

- cULus Listed for Damp Location
- cULus Listed for under-cabinet and cabinet use
- 5-Year Limited Warranty
- RoHS compliant



Performance Data

Part Number	Lumens	CCT
NMP2-LED27	282lm	2700K
NMP2-LED30	302lm	3000K
NMP2-LED35	297lm	3500K
NMP2-LED40	307lm	4000K

PRODUCT IMAGES AND DIMENSIONS



Black



Bronze



Brushed Nickel



White

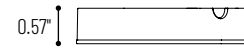
Recessed Mount



0.06"

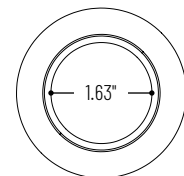
Cut out: 2.5" (without mounting bracket)
2.74" (with mounting bracket)

Surface Mount



0.57"

2.72"



1.63"

24V Josh LED Puck Light

Catalog No.:	Color Temp.	Finish
NMP2-LED	27 = 2700K	B = Black
	30 = 3000K	BZ = Bronze
	35 = 3500K	BN = Brushed Nickel
	40 = 4000K	W = White

Example: **NMP2-LED30B** = 24V Josh LED Puck Light, 3000K, Black Finish

NMP2-LED

24V Josh LED Puck Light Accessories

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6-Port Power Line Interconnect

NMPA-6P-24B	Black
NMPA-6P-24W	White

Terminal block connects up to six LED Josh Puck lights to a Nora driver. Includes 24" cord with RCA jack.



Extension Cable

NMPA-EW-12	12"
NMPA-EW-24	24"
NMPA-EW-36	36"
NMPA-EW-48	48"

Finish: Black (B), White (W)

Used to extend the length of the cable from the puck to the terminal block. Linkable up to 110".



2' Wire Raceway

NATL-422B	Black
NATL-422W	White

Field-cutable plastic. Includes wire channel with double faced tape and cover.



In-Line Touch Dimmer

NATL-518W

72W max., no power fail memory, touch on/off and hold to dim.



Direct Plug-In LED Driver

NATL-524W	24V 24W
NATL-545W	24V 45W

Input Voltage: 120V
Cable Length: 6'



Direct Plug-In LED Driver

NATL-596W	24V 96W
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Input Voltage: 120V
Input Wire: 44" Cord and Plug
Output Wire: 58" Power line connector



Class II Hardwire LED Driver

NATL-5100HW	24V 81.6W
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Input Voltage: 120-240V
Dimming: Non-Dimmable
Includes: 10' Power Line Connector



Class II Hardwire LED Driver
0-10V Dimming

NATL-5096-24-HWD10	24V 96W
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Input Voltage: 120-277V
Dimming: 0-10V
Includes: 10' Power Line Connector



Class II Hardwire LED Driver
ELV Dimming

NATLED-5040HW	24V 40W
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Input Voltage: 120V
Dimming: ELV
Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Regulator, MLV Dimming

NMTD-60/24D	24V 60W
NMTD-96/24D	24V 96W

Input Voltage: 120-277V
Dimming: Magnetic Low Voltage Regulator: Integral regulator for constant current and voltage
Includes: 10' Power Line Connector



Power Line Connector

NALTL-10	10' Power Line
NALTL-30	30' Power Line

For use with Class II drivers. Carries output from driver, requires power line interconnectors.

NATL-302W	5" Splitter
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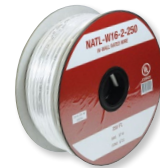
Splits power line connector into two separate leads, requires power line cable.



Low Voltage Splice Box

NATL-415W

Use to join low voltage lead to low voltage power line connector or interconnector.



16AWG In-Wall Rated Wire

NATL-W16-2-250	250'
NATL-W16-2-20	20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



Wire Clip, Plastic - 10pk

NATL-404W	J-Clip
NATL-405W	Over the Wire
NATL-406W	Square Clip

NMP2-LED Sample Layout

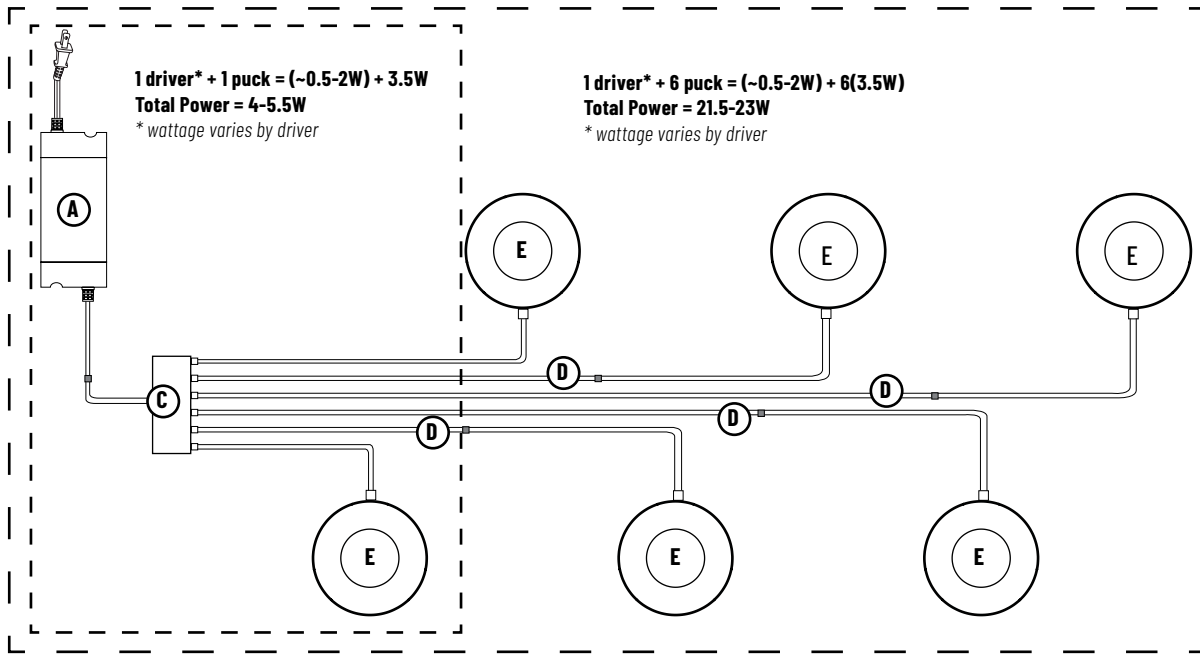
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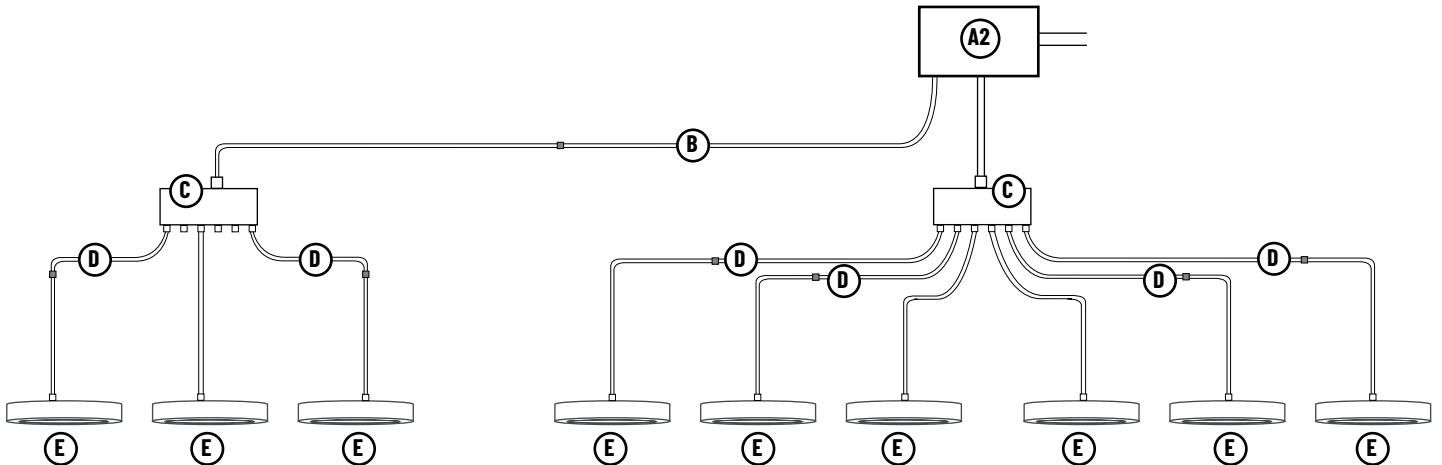
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A	NATL-545W	24V 45W Direct Plug-In Driver
A2	NMTD-60/24D	24V 60W Dimmable Class II Power Supply
B	NALTL-10	10' Power Line Connector
C	NMPA-6P-24	Power Line Interconnect with 6-port terminal block
D	NMPA-EW-12B/W NMPA-EW-24B/W NMPA-EW-36B/W NMPA-EW-48B/W	12" Extension Cable 24" Extension Cable 36" Extension Cable 48" Extension Cable
E	NMP2-LED	24V Josh LED Puck Light



PHOTOMETRICS

24V Josh LED Puck Light

Type

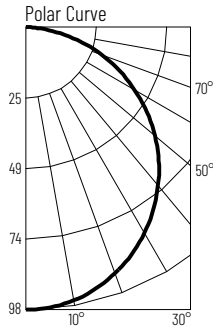
Project

Catalog No.

Notes

Test Information

Test Number: NTS182R1
 Part Number: NMP2-LED27W
 Beam Spread: 113° Wide Flood
 Lumens: 282lm
 Wattage: 5.27W
 Efficacy: 54lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 1.26
 Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	6.1fc	12"-2"
6'	2.7fc	18"-4"
8'	1.5fc	24"-5"
10'	1.0fc	30"-6"
12'	0.7fc	36"-7"

Zonal Lumen Summary

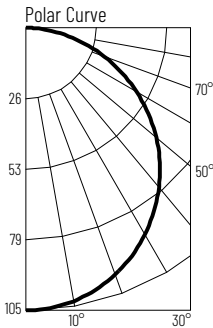
Zone	Lumens	% Luminaire
0-30	76	27.0
0-40	125	44.2
0-60	221	78.4
0-90	282	100
90-180	0	0
0-180	282	100

Candela Table

Vertical Angles	Candela
0	98
5	98
15	94
25	88
35	78
45	66

Test Information

Test Number: NTS183R1
 Part Number: NMP2-LED30W
 Beam Spread: 113° Wide Flood
 Lumens: 302lm
 Wattage: 5.42W
 Efficacy: 56lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 1.26
 Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	6.6fc	12"-2"
6'	2.9fc	18"-4"
8'	1.6fc	24"-5"
10'	1.0fc	30"-6"
12'	0.7fc	36"-7"

Zonal Lumen Summary

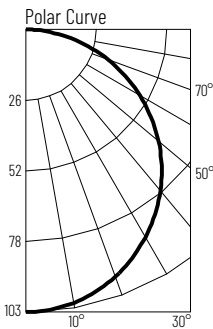
Zone	Lumens	% Luminaire
0-30	82	27
0-40	134	44.2
0-60	237	78.4
0-90	302	100
90-180	0	0
0-180	302	100

Candela Table

Vertical Angles	Candela
0	105
5	105
15	101
25	94
35	83
45	70

Test Information

Test Number: NTS184R1
 Part Number: NMP2-LED35W
 Beam Spread: 113° Wide Flood
 Lumens: 297lm
 Wattage: 5.2W
 Efficacy: 57lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180°): 1.26
 Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	6.5fc	12"-2"
6'	2.9fc	18"-4"
8'	1.6fc	24"-5"
10'	1.0fc	30"-6"
12'	0.7fc	36"-7"

Zonal Lumen Summary

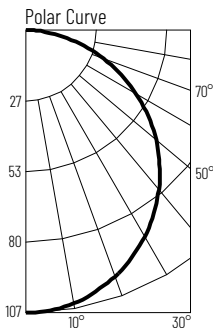
Zone	Lumens	% Luminaire
0-30	80	27
0-40	131	44.2
0-60	233	78.4
0-90	297	100
90-180	0	0
0-180	297	100

Candela Table

Vertical Angles	Candela
0	103
5	103
15	102
25	93
35	82
45	69

Test Information

Test Number: NTS185R1
 Part Number: NMP2-LED40W
 Beam Spread: 113° Wide Flood
 Lumens: 307lm
 Wattage: 5.19W
 Efficacy: 59lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 1.26
 Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	6.7fc	12"-2"
6'	3.0fc	18"-4"
8'	1.7fc	24"-5"
10'	1.1fc	30"-6"
12'	0.7fc	36"-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	83	27
0-40	136	44.2
0-60	241	78.4
0-90	307	100
90-180	0	0
0-180	307	100

Candela Table

Vertical Angles	Candela
0	107
5	107
15	103
25	96
35	85
45	71