

# NMP-A

## 12V Adjustable Josh LED Puck Light

Source: 3.5W LED  
300lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

Adjustable 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

- 18° Adjustment
- 12V Low Voltage System
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- Recessed or surface mount
- Easy installation
- Dimmable with power supply
- 12" to 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:** 12VDC

**Lumens / Wattage:** 300lm / 3.5W

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

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0°C to 40°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

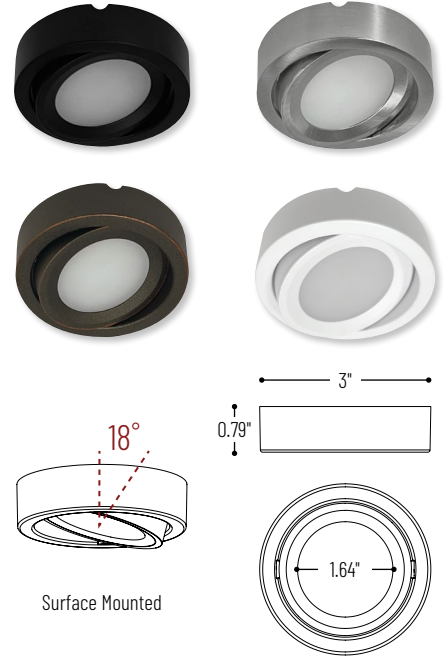
**Cabinet Installation:** Up to three puck lights may be installed in an enclosed cabinet size of 3.5" x 11.5" x 12"

### LABELS AND LISTINGS

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



### PRODUCT IMAGES AND DIMENSIONS



Surface Mounted

**NMP-A**  
Adjustable Josh LED Puck Light



Recessed Mounted  
(Cut Out: 3.15" diameter)

**NMP-AREC**  
Recessed Flange Accessory

### 12V Adjustable Josh LED Puck Light

Color Temperature	Finish
<b>NMP-A27</b> = 2700K	<b>B</b> = Black
<b>NMP-A30</b> = 3000K	<b>BZ</b> = Bronze
<b>NMP-A35</b> = 3500K	<b>BN</b> = Brushed Nickel
<b>NMP-A40</b> = 4000K	<b>W</b> = White

### Recessed Flange Accessory

Accessory Type	Finish
<b>NMP-AREC</b> = Recessed Flange	<b>B</b> = Black
	<b>BZ</b> = Bronze
	<b>BN</b> = Brushed Nickel
	<b>W</b> = White

Example: **NMP-A30W** = Adjustable Josh LED Puck Light, 3000K, White Finish

# NMP-A

## 12V Adjustable Josh LED Puck Light Accessories

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6-Port Power Line Interconnect

<b>NMPA-6P-24B</b>	Black
<b>NMPA-6P-24W</b>	White

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



Extension Cable

<b>NMPA-EW-12</b>	12"
<b>NMPA-EW-24</b>	24"
<b>NMPA-EW-36</b>	36"
<b>NMPA-EW-48</b>	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

<b>NATL-422B</b>	Black
<b>NATL-422W</b>	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

<b>NAPK-524W/12</b>	24W / White
<b>NAPK-560W/12</b>	60W / White

**Input Voltage:** 120V

**Dimming:** Non-Dimmable



Class II Hardwire LED Driver with Breakers, MLV Dimming

<b>NMT-244/12C2D1</b>	4x60W
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**Input Voltage:** 120V

**Dimming:** Magnetic Low Voltage

**Breakers:** (4) 60W

**Includes:** (4) 10' Power Line Connector



Class II Hardwire LED Driver 0-10V Dimming

<b>NATL-5060-12-HWD10</b>	60W
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**Input Voltage:** 120-277V

**Dimming:** 0-10V

**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Regulator, MLV Dimming

<b>NMTD-40/12D</b>	40W
<b>NMTD-60/12D</b>	60W

**Input Voltage:** 120-277V

**Dimming:** Magnetic Low Voltage

**Regulator:** Integral regulator for constant current and voltage

**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver ELV dimming

<b>NAPKED-5040HW</b>	12V 35W
<b>NAPKED-5060HW</b>	12V 60W

**Input Voltage:** 120V

**Dimming:** Triac or ELV

**Includes:** 10' Power Line Connector



Power Line Connector

<b>NALTL-10</b>	10' Cable
<b>NALTL-30</b>	30' Cable

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



Power Line Splitter

<b>NATL-302W</b>	5" Cable
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Splits power line connector into two separate leads, requires power line interconnects.



Low Voltage Splice Box

<b>NATL-415W</b>
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Use to join low voltage lead to low voltage power line connector or interconnector.



16AWG In-Wall Rated Wire

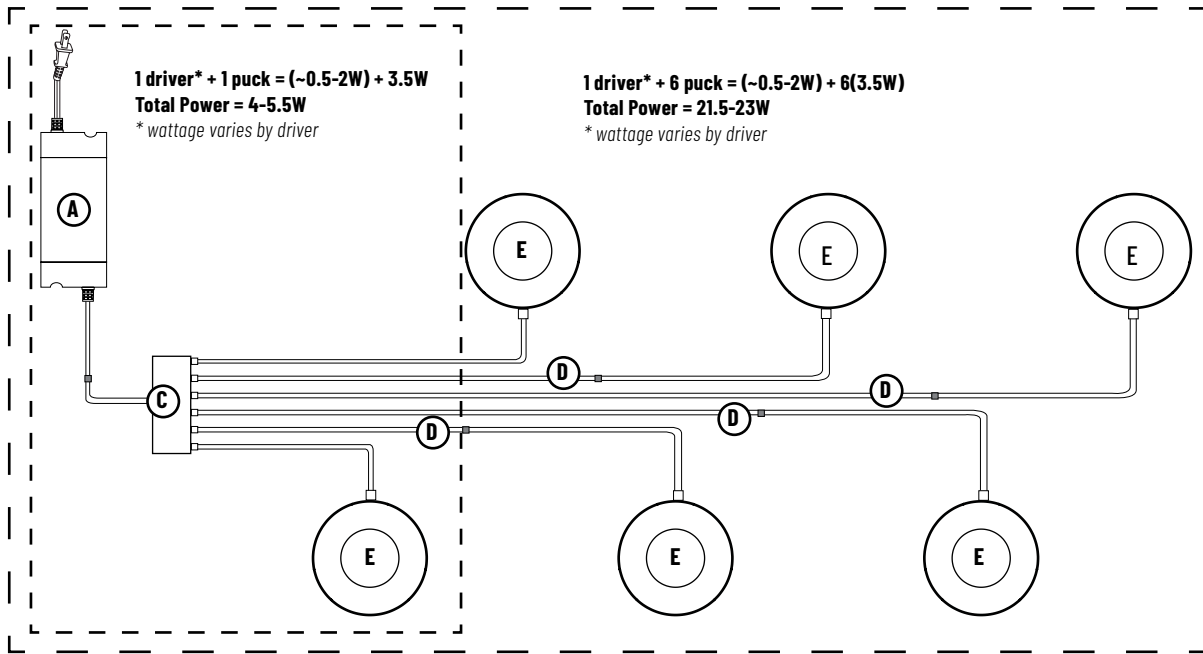
<b>NATL-W16-2-250</b>	250'
<b>NATL-W16-2-20</b>	20'

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

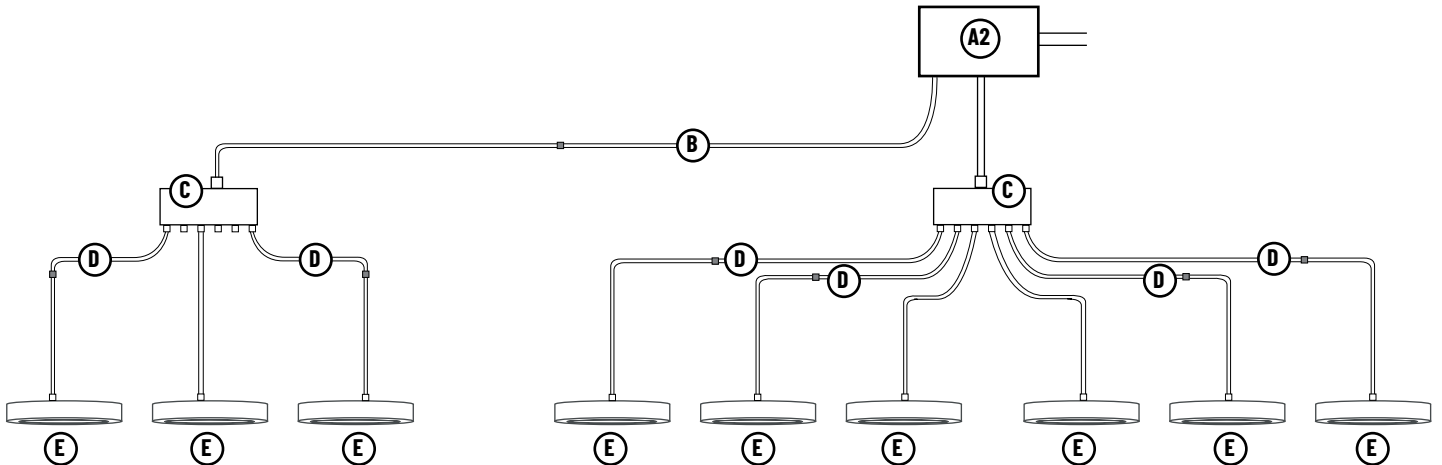
# NMP-A Sample Layout

## 12V Adjustable Josh LED Puck Light

Type \_\_\_\_\_  
 Project \_\_\_\_\_  
 Catalog No. \_\_\_\_\_  
 Notes \_\_\_\_\_



A	<b>NAPK-550/12</b>	12V 50W Direct Plug-In Driver
A2	<b>NMTD-60/12D</b>	12V 60W Dimmable Class II Power Supply
B	<b>NALTL-10</b>	10' Power Line Connector
C	<b>NMPA-6P-24</b>	Power Line Interconnect with 6-port terminal block
D	<b>NMPA-EW-12B/W</b> <b>NMPA-EW-24B/W</b> <b>NMPA-EW-36B/W</b> <b>NMPA-EW-48B/W</b>	12" Extension Cable 24" Extension Cable 36" Extension Cable 48" Extension Cable
E	<b>NMP-A</b>	12V Adjustable Josh LED Puck Light



# PHOTOMETRICS

## 12V Josh LED Puck Light

Type

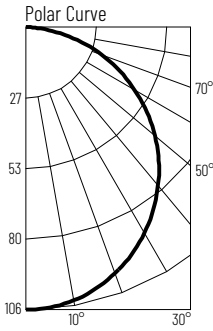
Project

Catalog No.

Notes

### Test Information

Test Number: NTS158R1  
 Part Number: NMP-A27W  
 Beam Spread: 113° Wide Flood  
 Lumens: 305lm  
 Wattage: 4.27W  
 Efficacy: 61lpw  
 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'	6.6fc	12'-2"
6'	3fc	18'-4"
8'	1.7fc	24'-5"
10'	1.1fc	30'-6"
12'	0.7fc	36'-7"

### Zonal Lumen Summary

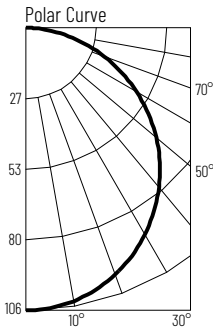
Zone	Lumens	% Luminaire
0-30	82	27.0
0-40	135	44.2
0-60	239	78.4
0-90	305	100
90-180	0	0
0-180	305	100

### Candela Table

Vertical Angles	Candela
0	106
5	106
15	102
25	95
35	84
45	71

### Test Information

Test Number: NTS159R1  
 Part Number: NMP-A30W  
 Beam Spread: 113° Wide Flood  
 Lumens: 306lm  
 Wattage: 4.96W  
 Efficacy: 62lpw  
 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'	3.0fc	18'-4"
8'	1.7fc	24'-6"
10'	1.1fc	30'-7"
12'	0.7fc	36'-8"

### Zonal Lumen Summary

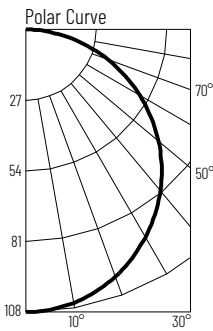
Zone	Lumens	% Luminaire
0-30	83	26.9
0-40	135	44.1
0-60	240	78.3
0-90	306	100
90-180	0	0
0-180	306	100

### Candela Table

Vertical Angles	Candela
0	106
5	106
15	102
25	95
35	84
45	71

### Test Information

Test Number: NTS160R1  
 Part Number: NMP-A35W  
 Beam Spread: 113° Wide Flood  
 Lumens: 312lm  
 Wattage: 4.98W  
 Efficacy: 63lpw  
 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'	6.7fc	12'-2"
6'	3.0fc	18'-4"
8'	1.7fc	24'-5"
10'	1.1fc	30'-6"
12'	0.8fc	36'-7"

### Zonal Lumen Summary

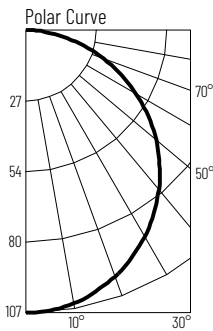
Zone	Lumens	% Luminaire
0-30	69	22.1
0-40	115	36.7
0-60	236	75.5
0-90	312	100
90-180	0	0
0-180	312	100

### Candela Table

Vertical Angles	Candela
0	108
5	107
15	103
25	96
35	85
45	72

### Test Information

Test Number: NTS161R1  
 Part Number: NMP-A40W  
 Beam Spread: 113° Wide Flood  
 Lumens: 307lm  
 Wattage: 4.89W  
 Efficacy: 63lpw  
 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'-1"
6'	3fc	18'-2"
8'	1.7fc	24'-2"
10'	1.1fc	30'-4"
12'	0.7fc	36'-4"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	69	22.4
0-40	114	37.2
0-60	234	76.2
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