

# NMP-LED

## 12V 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

- 12V 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:** 12VDC

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

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

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 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

### LABELS AND LISTINGS

- cULus Listed for Damp Location
- 5-Year Limited Warranty
- RoHS compliant



### Performance Data

Part Number	Lumens	CCT
<b>NMP-LED27</b>	258lm	2700K
<b>NMP-LED30</b>	274lm	3000K
<b>NMP-LED35</b>	282lm	3500K
<b>NMP-LED40</b>	281lm	4000K

### PRODUCT IMAGES AND DIMENSIONS



Black



Bronze



Brushed Nickel



White

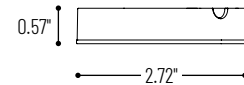
#### Recessed Mount



0.06" ±

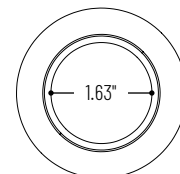
Cut out: 2.5" (without mounting bracket)  
2.74" (with mounting bracket)

#### Surface Mount



0.57"

2.72"



1.63"

## 12V Josh LED Puck Light

Catalog No.:	Color Temp.	Finish
<b>NMP-LED</b>	<b>27</b> = 2700K	<b>B</b> = Black
	<b>30</b> = 3000K	<b>BZ</b> = Bronze (while supplies last)
	<b>35</b> = 3500K	<b>BN</b> = Brushed Nickel
	<b>40</b> = 4000K	<b>W</b> = White

Example: **NMP-LED30B** = Josh LED Puck Light, 3000K, Black Finish

# NMP-LED

## 12V 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

**Note:** Power Line Connector(s) not included



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>NATL-10</b>	10' Cable
<b>NATL-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-LED Sample Layout

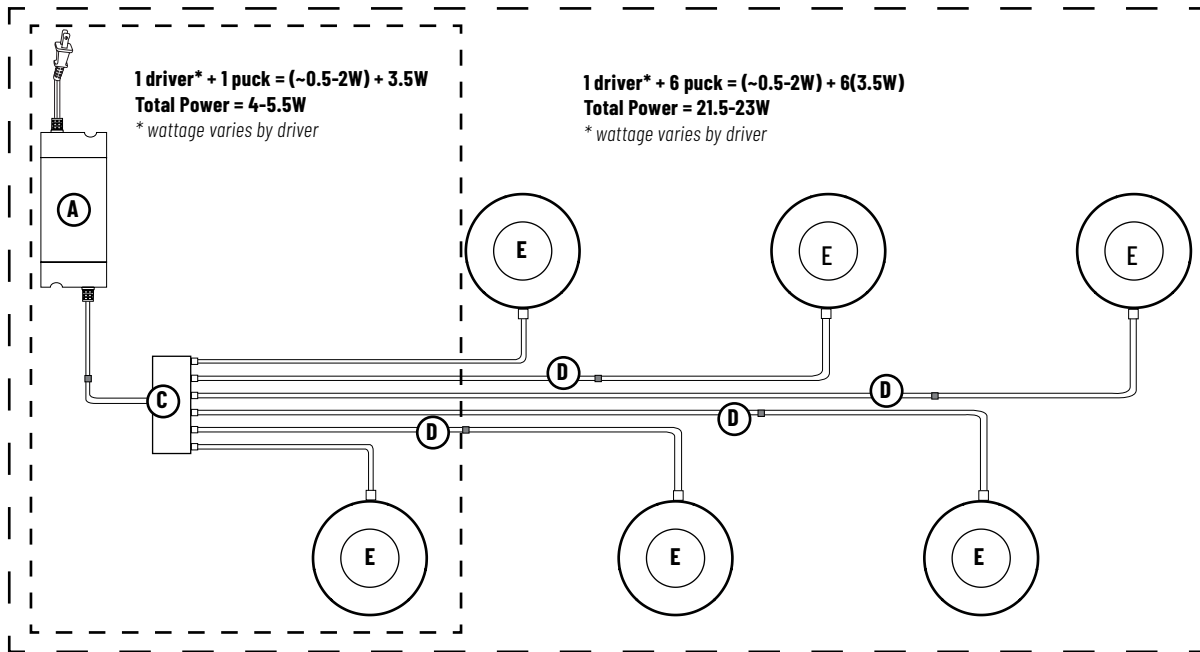
12V Josh LED Puck Light

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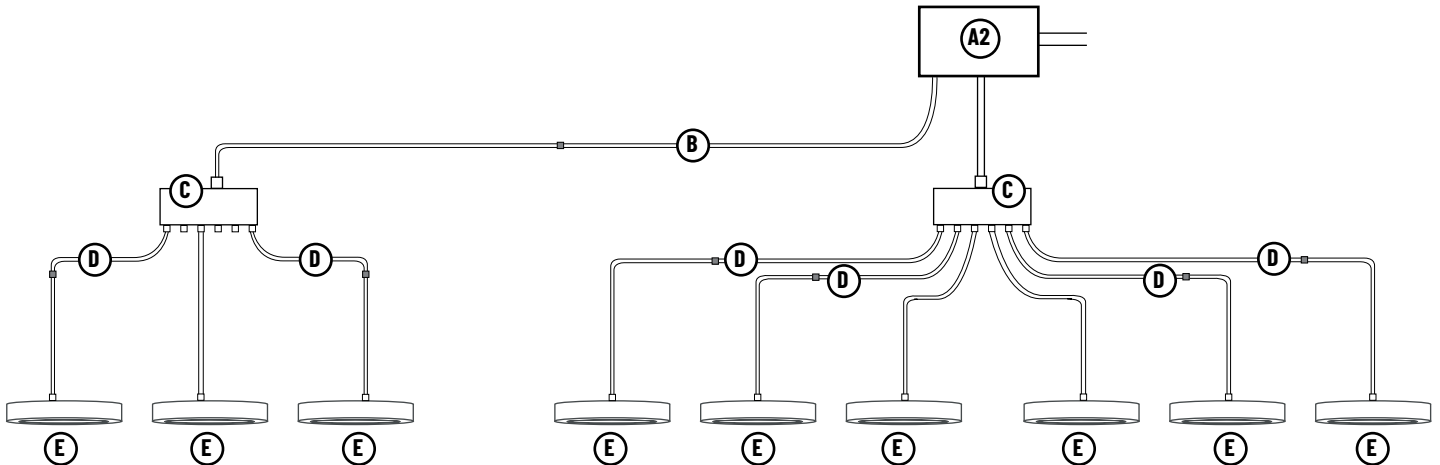
Project \_\_\_\_\_

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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-LED</b>	12V Josh LED Puck Light



# PHOTOMETRICS

## 12V Josh LED Puck Light

Type

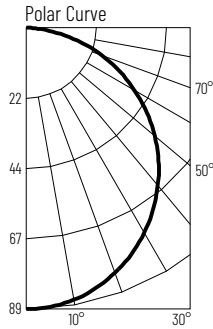
Project

Catalog No.

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### Test Information

Test Number: NTR11248R2  
 Part Number: NMP-LED27W  
 Lumens: 258lm  
 Wattage: 3.9W  
 Efficacy: 66lpw  
 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
2'	22.2fc	6'-1"
4'	5.6fc	12'-1"
6'	2.5fc	18'-2"
8'	1.4fc	24'-4"
10'	0.9fc	30'-4"

### Zonal Lumen Summary

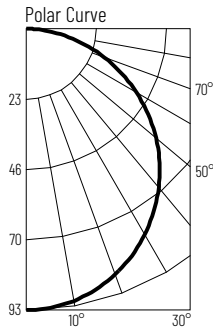
Zone	Lumens	% Luminaire
0-30	69	26.7
0-40	113	43.7
0-60	200	77.6
0-90	257	99.9
90-180	0	0.1
0-180	258	100

### Candela Table

Vertical Angles	Candela
0	89
5	88
15	85
25	79
35	70
45	59

### Test Information

Test Number: NTR11250R2  
 Part Number: NMP-LED30W  
 Lumens: 274lm  
 Wattage: 3.8W  
 Efficacy: 72lpw  
 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
2'	23.2fc	6'-2"
4'	5.8fc	12'-5"
6'	2.6fc	18'-6"
8'	1.5fc	24'-8"
10'	0.9fc	30'-11"

### Zonal Lumen Summary

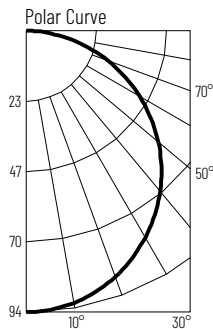
Zone	Lumens	% Luminaire
0-30	72	26.3
0-40	118	43.1
0-60	210	76.7
0-90	273	99.8
90-180	1	0.2
0-180	274	100

### Candela Table

Vertical Angles	Candela
0	93
5	92
15	89
25	83
35	74
45	62

### Test Information

Test Number: NTR11249R2  
 Part Number: NMP-LED35W  
 Lumens: 282lm  
 Wattage: 4W  
 Efficacy: 71lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180): 1.28  
 Spacing Criteria (90°-270): 1.28



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	22.2fc	6'-1"
4'	5.6fc	12'-1"
6'	2.5fc	18'-2"
8'	1.4fc	24'-4"
10'	0.9fc	36'-5"

### Zonal Lumen Summary

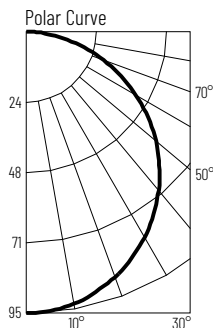
Zone	Lumens	% Luminaire
0-30	73	25.8
0-40	120	42.4
0-60	214	76
0-90	281	99.8
90-180	1	0.2
0-180	282	100

### Candela Table

Vertical Angles	Candela
0	94
5	93
15	90
25	84
35	75
45	64

### Test Information

Test Number: NTR11252R2  
 Part Number: NMP-LED40W  
 Lumens: 281lm  
 Wattage: 3.7W  
 Efficacy: 76lpw  
 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
2'	23.4fc	6'-5"
4'	5.9fc	12'-10"
6'	2.6fc	19'-1"
8'	1.5fc	25'-6"
10'	0.9fc	31'-11"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	74	26.3
0-40	121	43.1
0-60	215	76.7
0-90	280	99.7
90-180	1	0.3
0-180	281	100

### Candela Table

Vertical Angles	Candela
0	95
5	95
15	91
25	85
35	75
45	64