

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

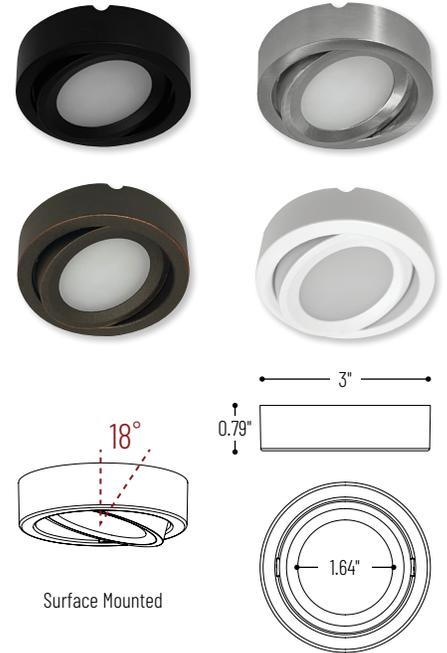
Cabinet Installation: Up to three puck lights may be installed in an enclosed cabinet size of 3.5" x 11.5" x 12"

LABELS AND LISTINGS

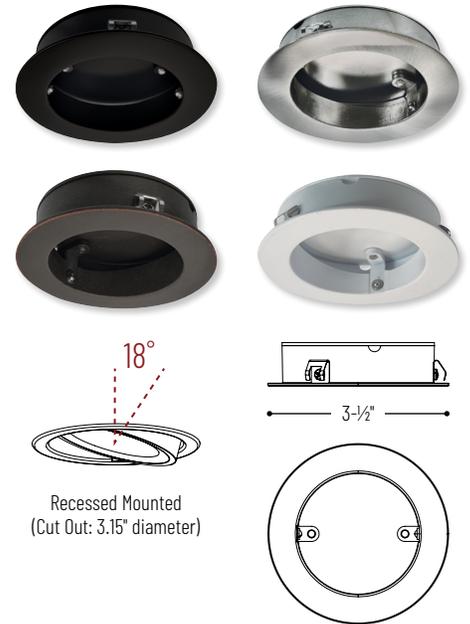
- cULus Listed for Damp Location
- cULus Listed for under-cabinet and cabinet use
- 5-Year Limited Warranty
- RoHS compliant



PRODUCT IMAGES AND DIMENSIONS



NMP-A
Adjustable Josh LED Puck Light



NMP-AREC
Recessed Flange Accessory

12V Adjustable Josh LED Puck Light

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

Recessed Flange Accessory

Accessory Type	Finish
NMP-AREC = Recessed Flange	B = Black
	BZ = Bronze
	BN = Brushed Nickel
	W = 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

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

NAPK-524W/12	24W / White
NAPK-560W/12	60W / White

Input Voltage: 120V

Dimming: Non-Dimmable



Class II Hardwire LED Driver with Breakers, MLV Dimming

NMT-244/12C2D1	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

NATL-5060-12-HWD10	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

NMTD-40/12D	40W
NMTD-60/12D	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

NAPKED-5040HW	12V 35W
NAPKED-5060HW	12V 60W

Input Voltage: 120V

Dimming: Triac or ELV

Includes: 10' Power Line Connector



Power Line Connector

NALTL-10	10' Cable
NALTL-30	30' Cable

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



Power Line Splitter

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



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

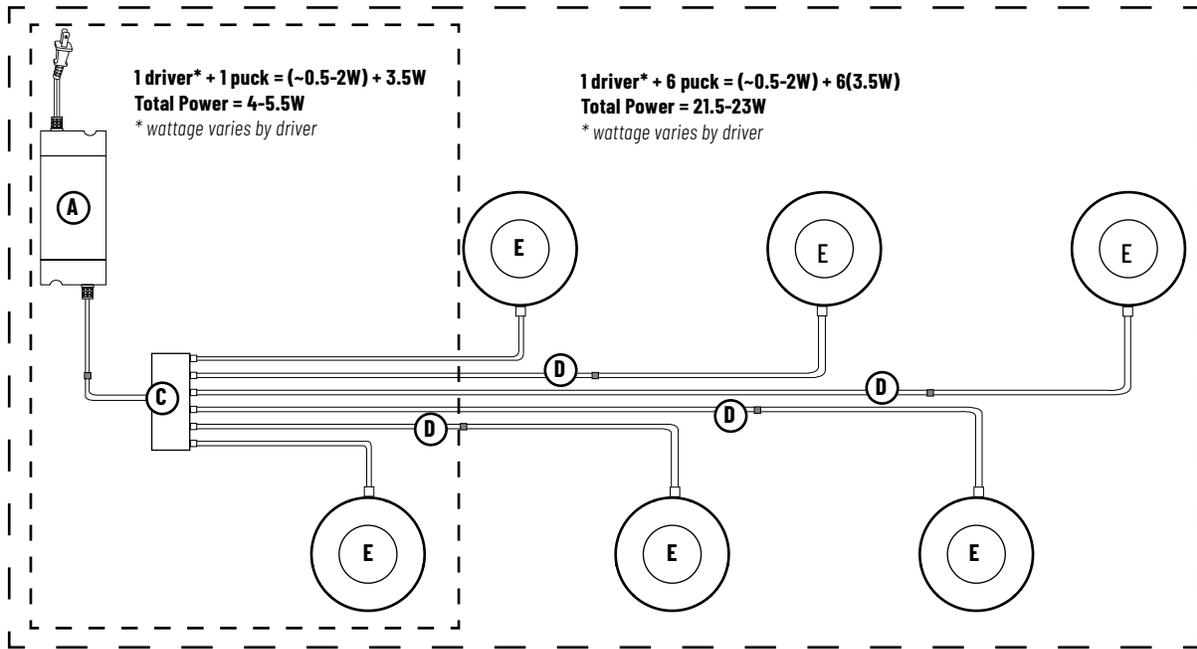
NATL-W16-2-250	250'
NATL-W16-2-20	20'

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

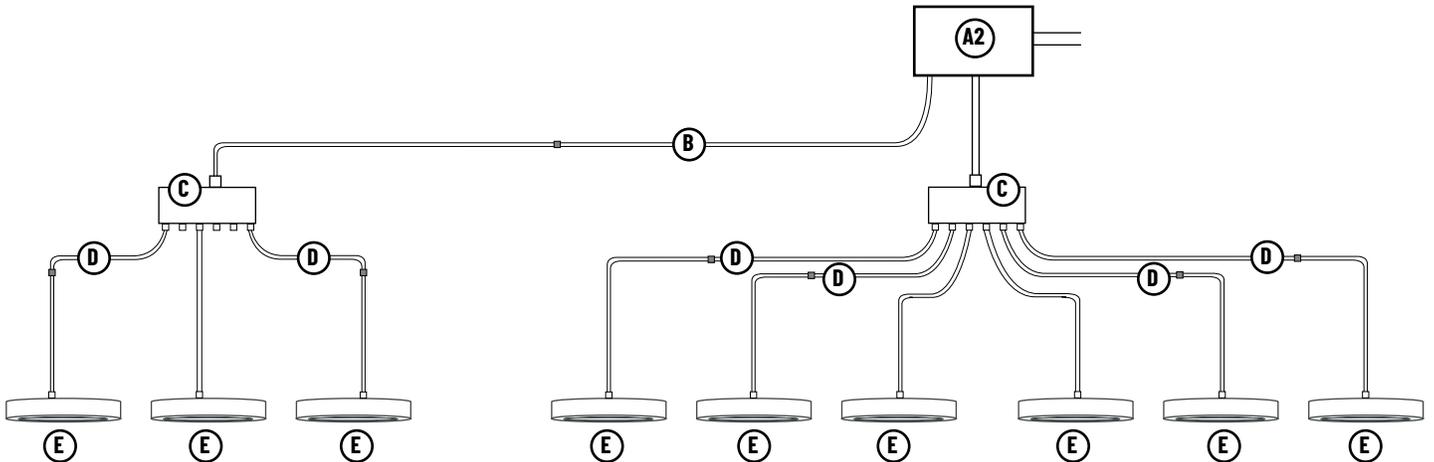
NMP-A Sample Layout

12V Adjustable Josh LED Puck Light

Type _____
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A	NAPK-550/12	12V 50W Direct Plug-In Driver
A2	NMTD-60/12D	12V 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	NMP-A	12V Adjustable Josh LED Puck Light



PHOTOMETRICS

12V Josh LED Puck Light

Type

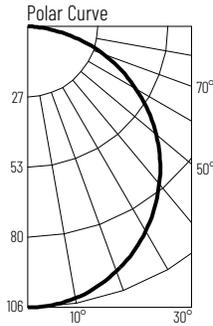
Project

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

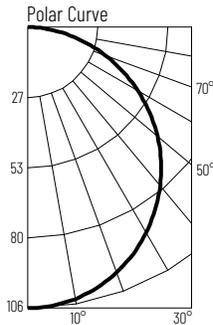
Zone	Lumens	% Luminaire
0-30	82	27.0
0-40	135	44.2
0-60	239	78.4
0-90	305	100
90-180	0	0
0-180	305	100

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

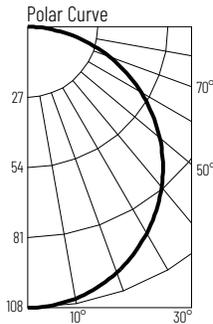
Zone	Lumens	% Luminaire
0-30	83	26.9
0-40	135	44.1
0-60	240	78.3
0-90	306	100
90-180	0	0
0-180	306	100

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

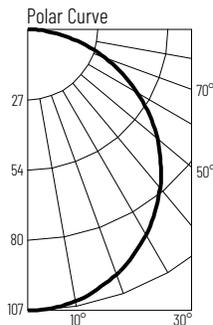
Zone	Lumens	% Luminaire
0-30	69	22.1
0-40	115	36.7
0-60	236	75.5
0-90	312	100
90-180	0	0
0-180	312	100

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