

NMP-LED

Josh 12V LED Puck Light

Source: 4.5W 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 4.5 watts each puck.

FEATURES

- 12V Low Voltage System
- 300lm / 4.5W
- 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: 12V

Lumens / Wattage: 300lm / 4.5W

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

CRI: 90+

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

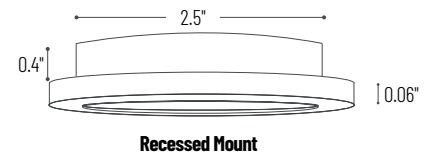
Dimming: Specified by driver

LABELS AND LISTINGS

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

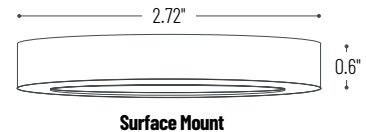


PRODUCT IMAGES AND DIMENSIONS

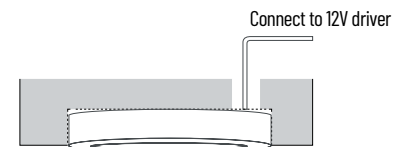


Recessed Mount

Recessed without Mounting Bracket Cut Out: 2.5"
Recessed with Mounting Bracket Cut Out: 2.74"



Surface Mount



Josh 12V LED Puck Light

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

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

NMP-LED 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-cutttable 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.



DC Plug and Play Motion Sensor

NAL-856W

12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



Direct Plug-In LED Driver

NAPK-524/12 24W / Black
NAPK-524W/12 24W / White
NAPK-550/12 50W / Black

Input Voltage: 120V

Dimming: Non-Dimmable

Cable Length: 6' cord & plug and 60" power line connector for NAPK-550/12



Class II Hardwire LED Driver

NAPK-5030HW/12 30W
NAPK-5060HW/12 60W

Input Voltage: 120-240V

Dimming: Non-Dimmable

Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV Dimming

NMT-244/12C2D1 4x60W

Input Voltage: 120V

Dimming: Magnetic Low Voltage

Breakers: (4) 60W

Includes: (4) 10' Power Line Connector



Class II Hardwire LED Driver 0-10V Dimming

NATL-5060-12-HWD10 60W

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

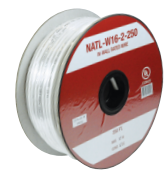
Splits power line connector into two separate leads, requires power line interconnects.



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-LED Sample Layout

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Source: 4.5W LED

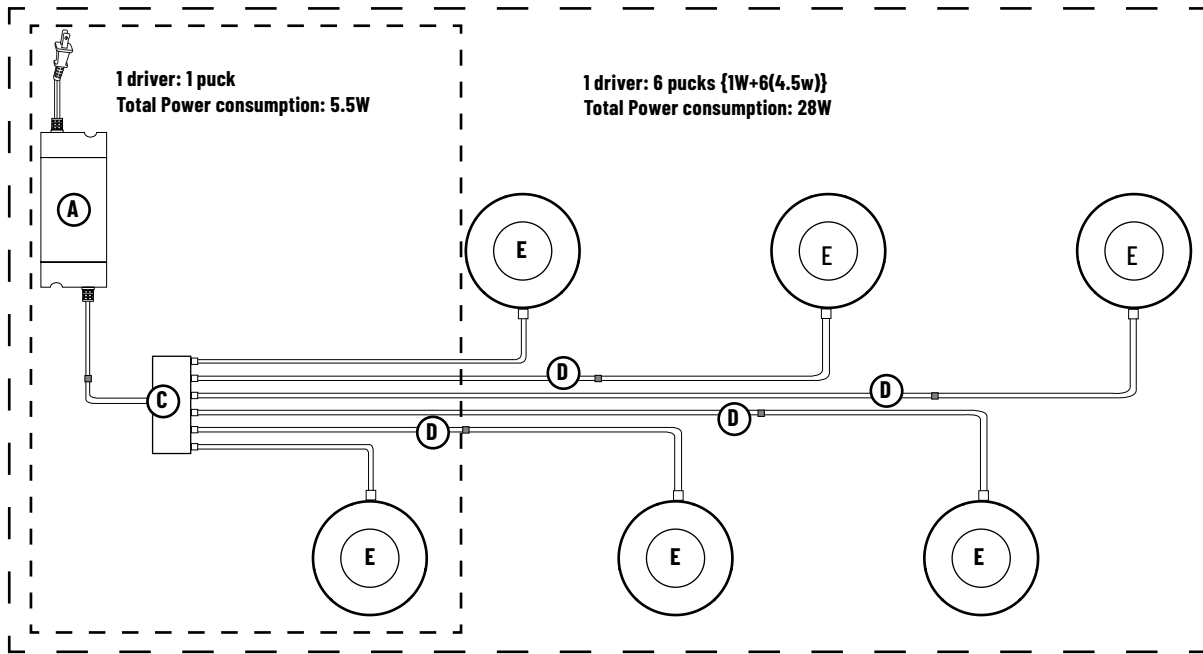
300lm

Type _____

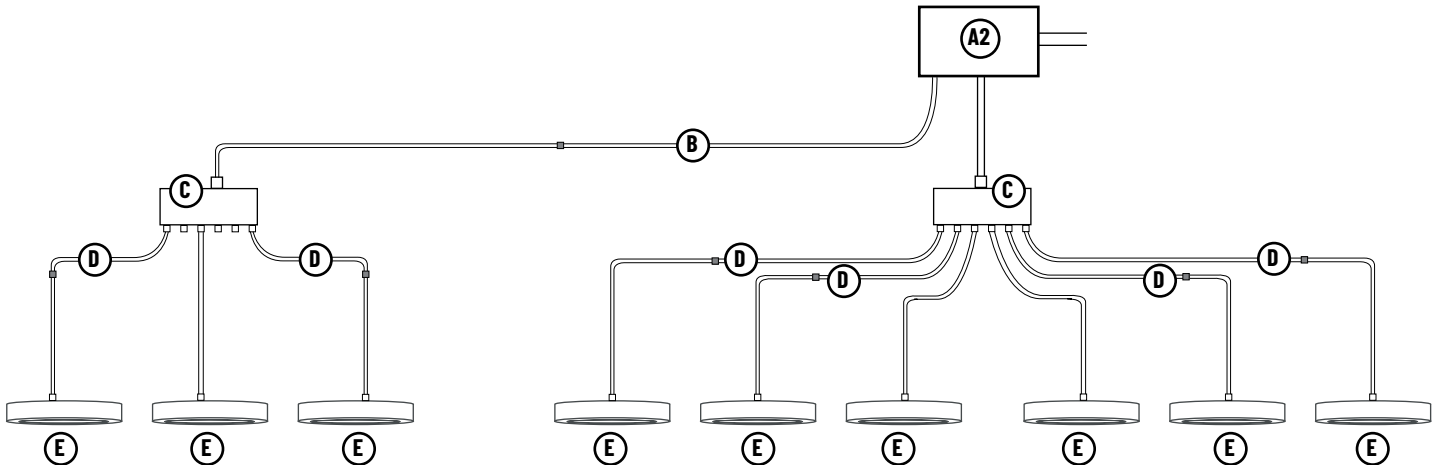
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A	NAPK-550/12	12V 50W Direct Plug-In Driver
A2	NMTD-60/12D	12V 60W Dimmable Class II Power Supply
B	NAPK-10	10' Power Line Connector
C	NMPA-6P-24	Power Line Interconnect with 6-port terminal block
D	NMPA-EW-12B/W NMPA-EW-24B/W NMPA-EW-36B/W NMPA-EW-48B/W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



PHOTOMETRICS

Josh 12V LED Puck Light

Type

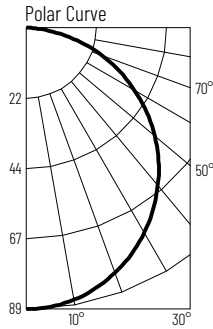
Project

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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

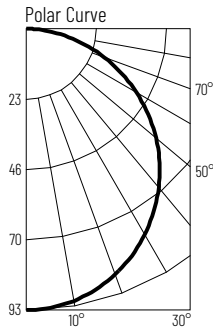
Zone	Lumens	% Luminaire
0-30	69	26.7
0-40	113	43.7
0-60	200	77.6
0-90	257	99.9
90-180	0	0.1
0-180	258	100

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

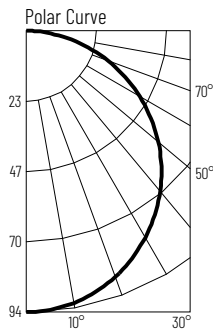
Zone	Lumens	% Luminaire
0-30	72	26.3
0-40	118	43.1
0-60	210	76.7
0-90	273	99.8
90-180	1	0.2
0-180	274	100

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

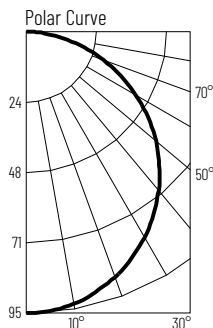
Zone	Lumens	% Luminaire
0-30	73	25.8
0-40	120	42.4
0-60	214	76
0-90	281	99.8
90-180	1	0.2
0-180	282	100

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