

NQZ2-66TWTW-MPW

6" Quartz Square LED Downlight with Selectable Lumens & Selectable CCT

Source: 12W to 20W LED
Up to 2150lm

Type	
Project	
Catalog No.	
Notes	

PRODUCT DESCRIPTION

Quartz Series series is an architectural and commercial grade LED high lumen downlight. Each luminaire includes two tunable switches; Selectable Lumens allows the end user to determine the wattage input & Selectable CCT changes the color temperature appearance. Reflectors include two tension steel spring clips, which allow the luminaires to install without any frame-in or housing for an easy installation.

FEATURES

- Can-less installation (No frame-in or housing required)
- Easy installation for retrofit, remodel or new construction applications
- Selectable Lumen switch changes output up to 2150lm
- Selectable CCT switch changes color temperature from 3000K / 3500K / 4000K
- Field changeable reflector allows for easy customization
- Shatter resistant lens
- 120-277V input and 0-10V dimming
- 5-year limited warranty
- ENERGY STAR certified
- cULus Listed for Wet Locations

SPECIFICATION

Reflector: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Each reflector comes standard with matte powder white finish, optional snap-in reflectors are available and field changeable.

Tunable Switches: Each luminaire includes two switches on the top of the driver enclosure. Selectable Lumen switch changes the lumen output and wattage. Selectable CCT switch changes the color temperature.

Clearance: "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

Mounting: No housing is required, two tensions steel spring clips accommodate ceiling thickness from 1/2" to 1-1/2". New construction frame-in can be ordered separately ([NOZ-6S-F](#)).

ELECTRICAL

Input Voltage: 120-277V

Lumens / Wattage: Selectable Lumens: Up to 2150lm / Up to 20W (*Note: Preset to 20W*)

Beam Spread: 87° Wide Flood

Color Temperature: Selectable CCT: 3000K / 3500K / 4000K (*Note: Preset to 3000K*)

Color Rendering Index: 90+CRI

Operating Temperature: 0°C - 40°C

Lifetime: 72,000 hours @ L70

Dimming: Dimmable down to 10% with 0-10V dimmer

[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

OPTIONAL ACCESSORIES

[NOZ-6S-F](#): New Construction Frame-In with Collar

[NEPK-20LEDUNV](#): 20W Emergency LED Driver with Remote Test Switch

Emergency: Luminaire is compatible with [NEPK-20LEDUNV](#) (ordered separately). Battery operates luminaire at 20W for 90 minute emergency operation with a fully charged battery.

LABELS AND LISTINGS

- cETLus Listed for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Performance Data

CCT	12W	16W	20W
3000K	1271lm	1719lm	2096lm
3500K	1311lm	1787lm	2187lm
4000K	1305lm	1763lm	2152lm

PRODUCT IMAGES AND DIMENSIONS



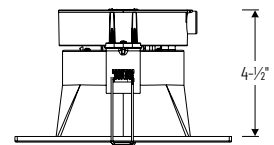
Selectable Lumens

Three position sliding switch
Up to 2187lm

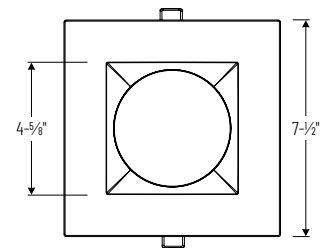


Selectable CCT

Three position sliding switch
3000K / 3500K / 4000K



Cut-Out: 6-1/4"



6" Quartz Square LED Downlight with Selectable Lumens & Selectable CCT

Description
NQZ2-66TWTW-MPW = 6" Quartz Square LED Downlight with Selectable Lumens & CCT, Matte Powder White

Optional Accessories

Description
NOZ-6S-F = New Construction Frame-In with Collar
NEPK-20LEDUNV = 20W Emergency Battery w/Remote Test Switch

Example: **NQZ2-66TWTW-MPW** = 6" Quartz Square LED Downlight with Selectable Lumens & Selectable CCT, Matte Powder White

PHOTOMETRICS

6" Quartz Square LED Downlight with Selectable Lumens & Selectable CCT

Type

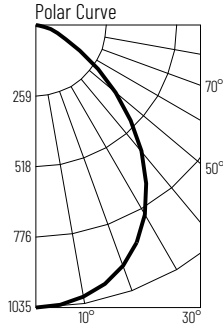
Project

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Notes

Test Information

Test Number: NTR2447R1
 Part Number: NQZ2-66TWTW-MPW
 Beam Spread: 87° Wide Flood
 Lumens: 2096lm
 Wattage: 19.7W
 Efficacy: 106lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 1.16
 Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	7.19fc	23'-1"
14'	5.28fc	26'-11"
16'	4fc	30'-19"
18'	3.2fc	34'-7"
20'	2.58fc	38'-5"

Zonal Lumen Summary

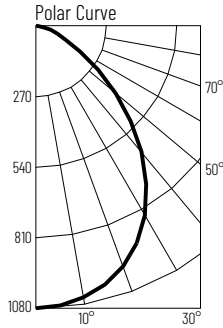
Zone	Lumens	% Luminaire
0-30	778	37.1
0-40	1224	58.4
0-60	1880	89.7
0-90	2096	100
90-180	0	0
0-180	2096	100

Candela Table

Vertical Angles	Candela
0	1035
5	1029
15	981
25	878
35	709
45	493

Test Information

Test Number: NTR2448R1
 Part Number: NQZ2-66TWTW-MPW
 Beam Spread: 87° Wide Flood
 Lumens: 2187lm
 Wattage: 19.28W
 Efficacy: 113lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180°): 1.16
 Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	7.5fc	23'-1"
14'	5.51fc	26'-11"
16'	4.2fc	30'-19"
18'	3.3fc	34'-7"
20'	2.7fc	38'-5"

Zonal Lumen Summary

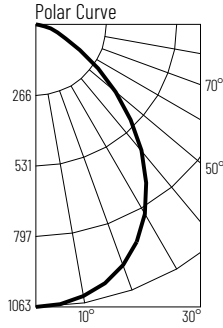
Zone	Lumens	% Luminaire
0-30	812	37.1
0-40	1278	58.4
0-60	1962	89.7
0-90	2187	100
90-180	0	0
0-180	2187	100

Candela Table

Vertical Angles	Candela
0	1080
5	1074
15	1024
25	916
35	740
45	514

Test Information

Test Number: NTR2449R1
 Part Number: NQZ2-66TWTW-MPW
 Beam Spread: 87° Wide Flood
 Lumens: 2152lm
 Wattage: 19.75W
 Efficacy: 109lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 1.16
 Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
12'	7.38fc	23'-1"
14'	5.42fc	26'-11"
16'	4.2fc	30'-19"
18'	3.28fc	34'-7"
20'	2.66fc	38'-5"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	799	37.1
0-40	1257	58.4
0-60	1930	89.7
0-90	2152	100
90-180	0	0
0-180	2152	100

Candela Table

Vertical Angles	Candela
0	1063
5	1056
15	1008
25	901
35	728
45	506

Lumen Output Multipliers

Wattage: 12W (0.6), 16W (0.819)