

NQZ2-86TWTW-MPW

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

Source: 18W to 30W LED

Up to 3300lm

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 3300lm
- 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 ([NQZ-8S-F](#)).

ELECTRICAL

Input Voltage: 120-277V

Lumens / Wattage: Selectable Lumens: Up to 3300lm / 30W (*Note: Preset to 30W*)

Beam Spread: 86° 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

[NQZ-8S-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

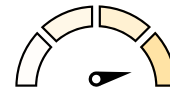
- cETLus Listed for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Performance Data

CCT	18W	22W	26W	30W
3000K	2019lm	2403lm	2812lm	3183lm
3500K	2076lm	2479lm	2919lm	3320lm
4000K	2064lm	2459lm	2871lm	3261lm

PRODUCT IMAGES AND DIMENSIONS



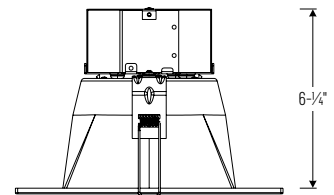
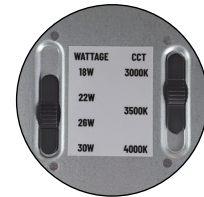
Selectable Lumens

Four position sliding switch
Up to 3320lm

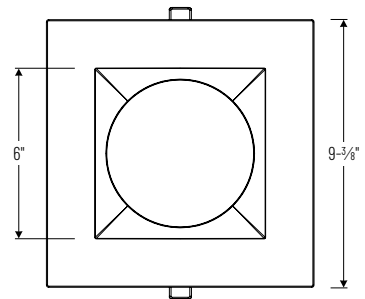


Selectable CCT

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



Cut-Out: 6-1/4"



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

Description

NQZ2-86TWTW-MPW = 8" Quartz Square LED Downlight with Selectable Lumens & CCT, Matte Powder White

Optional Accessories

Description

NQZ-8S-F = New Construction Frame-In with Collar

NEPK-20LEDUNV = 20W Emergency Battery w/Remote Test Switch

Example: **NQZ2-86TWTW-MPW** = 8" Quartz Square LED Downlight with Selectable Lumens & Selectable CCT, Matte Powder White

PHOTOMETRICS

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

Type

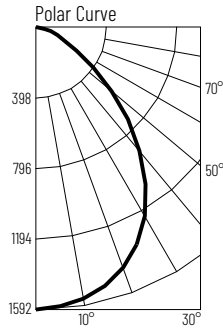
Project

Catalog No.

Notes

Test Information

Test Number: NTR2459R1
 Part Number: NQZ2-86TWTW-MPW
 Beam Spread: 86° Wide Flood
 Lumens: 3183lm
 Wattage: 29.82W
 Efficacy: 107lpw
 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'	11.1fc	22'-7"
14'	8.12fc	26'-5"
16'	6.22fc	30'-2"
18'	4.91fc	33'-11"
20'	3.98fc	37'-8"

Zonal Lumen Summary

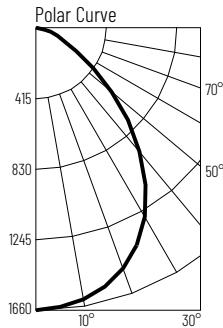
Zone	Lumens	% Luminaire
0-30	1198	37.6
0-40	1883	59.2
0-60	2861	89.9
0-90	3183	100
90-180	0	0
0-180	3183	100

Candela Table

Vertical Angles	Candela
0	1592
5	1580
15	1510
25	1350
35	1081
45	735

Test Information

Test Number: NTR2460R1
 Part Number: NQZ2-86TWTW-MPW
 Beam Spread: 86° Wide Flood
 Lumens: 3320lm
 Wattage: 28.93W
 Efficacy: 115lpw
 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'	11.5fc	22'-7"
14'	8.47fc	26'-5"
16'	6.48fc	30'-2"
18'	5.12fc	33'-11"
20'	4.15fc	37'-8"

Zonal Lumen Summary

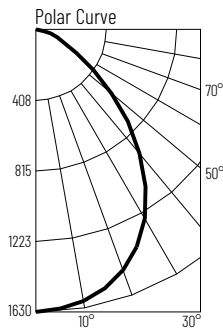
Zone	Lumens	% Luminaire
0-30	1249	37.6
0-40	1964	59.2
0-60	2983	89.9
0-90	3320	100
90-180	0	0
0-180	3320	100

Candela Table

Vertical Angles	Candela
0	1660
5	1647
15	1575
25	1408
35	1128
45	767

Test Information

Test Number: NTR2461R1
 Part Number: NQZ2-86TWTW-MPW
 Beam Spread: 86° Wide Flood
 Lumens: 3261lm
 Wattage: 29.68W
 Efficacy: 110lpw
 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'	11.3fc	22'-7"
14'	8.32fc	26'-5"
16'	6.37fc	30'-2"
18'	5.03fc	33'-11"
20'	4.08fc	37'-8"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1227	37.6
0-40	1929	59.2
0-60	2930	89.9
0-90	3261	100
90-180	0	0
0-180	3261	100

Candela Table

Vertical Angles	Candela
0	1630
5	1618
15	1547
25	1383
35	1107
45	753

Lumen Output Multipliers

Wattage: 18W (0.63), 22W (0.75), 26W (0.88)