

NQZ-8

8" Quartz Tunable Wattage / Tunable White Reflectors

Source: 21W to 34W LED
1700lm to 2900lm

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; Tunable Wattage allows the end user to determine the lumen output & Tunable White allows for selectable kelvin temperature. Reflectors include two tension steel spring clips, which allow the luminaires to install without any frame-in or housing with easy installation.

FEATURES

- No frame-in or housing required
- Easy installation for retrofit, remodel or new construction applications
- Tunable Wattage switch allows for selectable lumen outputs from 1700lm to 2900lm
- Tunable White switch allows for selectable kelvin temperatures in 3000K, 3500K or 4000K @ 90+ CRI
- Field changeable reflector allows for easy customization
- 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 haze and diffused snap-in reflectors are available and field changeable.

Tunable Switches: Each luminaire includes two switches on the top of the driver enclosure. Tunable wattage switch changes the lumen output and wattage. Tunable white switch changes the kelvin temperature.

Minimum Clearances: Non-IC luminaire requires a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

Mounting: Pre-wired 4" junction box with through branch circuit wiring (3 in / 3 out). No housing is required, two tensions steel spring clips accommodate ceiling thickness from 1/2" to 1-1/2". New construction frame-in kit is available, must specify NQZ-8R-F. Oversize ring available to cover ceiling larger cut-outs up to 10".

ELECTRICAL

Input Voltage: 120-277V

Lumens / Wattage: 1700lm / 21W, 2100lm / 25W, 2500lm / 30W and 2900lm / 34W

Beam Spread: 89° Wide Flood

Color Temperature: 3000K, 3500K and 4000K

CRI: 90+CRI

Operating Temperature: 0°C - 45°C (0°C-35°C with emergency option)

Lifetime: 50,000 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 Emergency: Luminaire includes pre-wired 120-277V emergency battery with remote test switch. Battery operates luminaire at 7W for 90 minute emergency operation with a fully charged battery.

LABELS AND LISTINGS

- cULus Listed for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- FCC compliant



PRODUCT IMAGES AND DIMENSIONS



Tunable White

Selectable CCT
3000K, 3500K, or 4000K

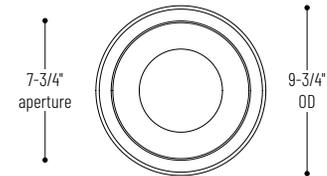
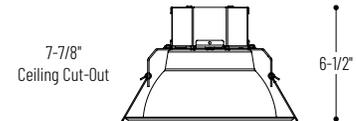
Tunable Wattage

Selectable Lumen
1700lm, 2300lm, 2500lm, or 2900lm



NQZ-81TWTW-MPW

8" Quartz with Matte Powder White Reflector



NQZ-81TWTW-MPW / NQZ-81REFLC

8" Quartz with Specular Reflector



NQZ-81TWTW-MPW / NQZ-81REFLD

8" Quartz with Clear Diffused Reflector



NQZ-81TWTW-MPW / NQZ-81REFLHZ

8" Quartz with Haze Reflector

8" Quartz Tunable Wattage / Tunable White Reflector

| Reflector Type | Lumens / Wattage / Color Temperature | Reflector / Flange Finish | Optional Emergency |
|-----------------------------------|---|----------------------------------|---|
| NQZ-81 = 8" Open Reflector | TWTW = 1700lm, 2300lm, 2500lm, 2900lm 3000K, 3500K, 4000K | -MPW = Matte Powder White | EM = Emergency with Remote Test Switch |

Optional Accessories

| Description |
|---|
| NQZ-80R-MPW = 8" Oversize Ring, Matte Powder White |
| NQZ-8R-F = 8" New Construction Frame-In |
| NQZ-81REFLC = 8" Specular Clear Snap-in Reflector |
| NQZ-81REFLD = 8" Clear Diffused Snap-in Reflector |
| NQZ-81REFLHZ = 8" Haze Snap-in Reflector |

Example: **NQZ-81TWTWMPW** = 8" Quartz Downlight, Tunable Wattage, Tunable White, Matte Powder White

NQZ-8

8" Quartz Tunable Wattage / Tunable White Accessories

Type _____

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Notes _____



Oversize Ring

NQZ-8OR-MPW

Oversize ring covers ceiling cut-outs up to 10"



New Construction Frame-In Kit

NQZ-8R-F

For new construction pre-wiring and easier layout planning.



Specular Clear Reflector

NQZ-81REFLC

Snap-in reflector is field changeable and fits over 8" Quartz reflector.



Clear Diffused Reflector

NQZ-81REFLD

Snap-in reflector is field changeable and fits over 8" Quartz reflector.



Haze Reflector

NQZ-81REFLHZ

Snap-in reflector is field changeable and fits over 8" Quartz reflector.

PHOTOMETRICS

8" Quartz Tunable Wattage / Tunable White Reflectors

Type

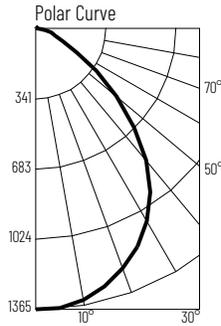
Project

Catalog No.

Notes

Test Information

Test Number: NTR1237
 Part Number: NQZ-81TWTW-MPW
 Beam Spread: 90° Wide Flood
 Lumens: 2810lm
 Wattage: 36.03W
 Efficacy: 78lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 1.2
 Spacing Criteria (90°-270): 1.18



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 85.3fc | 8'-1" |
| 6' | 37.9fc | 12'-2" |
| 8' | 21.3fc | 16'-2" |
| 10' | 13.7fc | 20'-4" |
| 12' | 9.5fc | 24'-4" |

Zonal Lumen Summary

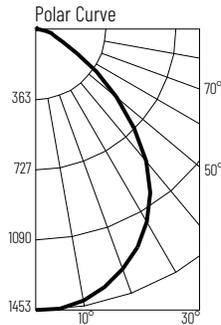
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1031 | 36.7 |
| 0-40 | 1638 | 58.3 |
| 0-60 | 2499 | 88.9 |
| 0-90 | 2773 | 98.7 |
| 90-180 | 38 | 1.3 |
| 0-180 | 2810 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1365 |
| 5 | 1360 |
| 15 | 1296 |
| 25 | 1170 |
| 35 | 978 |
| 45 | 695 |

Test Information

Test Number: NTR1238
 Part Number: NQZ-81TWTW-MPW
 Beam Spread: 89° Wide Flood
 Lumens: 2960lm
 Wattage: 34.81W
 Efficacy: 85lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180): 1.2
 Spacing Criteria (90°-270): 1.18



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 90.8fc | 8' |
| 6' | 40.4fc | 12' |
| 8' | 22.7fc | 16' |
| 10' | 14.5fc | 19'-11" |
| 12' | 10.1fc | 23'-11" |

Zonal Lumen Summary

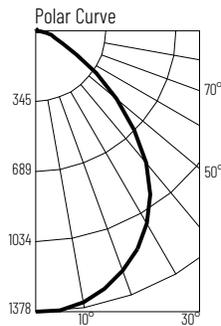
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1097 | 37.1 |
| 0-40 | 1737 | 58.7 |
| 0-60 | 2639 | 89.2 |
| 0-90 | 2924 | 98.8 |
| 90-180 | 37 | 1.2 |
| 0-180 | 2960 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1453 |
| 5 | 1451 |
| 15 | 1382 |
| 25 | 1245 |
| 35 | 1034 |
| 45 | 724 |

Test Information

Test Number: NTR1239
 Part Number: NQZ-81TWTW-MPW
 Beam Spread: 88° Wide Flood
 Lumens: 2742lm
 Wattage: 33.17W
 Efficacy: 83lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.18



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 86.1fc | 7'-8" |
| 6' | 38.3fc | 11'-7" |
| 8' | 21.5fc | 15'-6" |
| 10' | 13.8fc | 19'-4" |
| 12' | 9.6fc | 23'-2" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1036 | 37.8 |
| 0-40 | 1634 | 59.6 |
| 0-60 | 2456 | 89.5 |
| 0-90 | 2709 | 98.8 |
| 90-180 | 34 | 1.2 |
| 0-180 | 2742 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1378 |
| 5 | 1371 |
| 15 | 1304 |
| 25 | 1172 |
| 35 | 962 |
| 45 | 657 |