

NQZ-8

8" Quartz Tunable Wattage / Tunable White Reflectors

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

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: 45°C max.

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

LABELS AND LISTINGS

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



Type

Project

Catalog No.

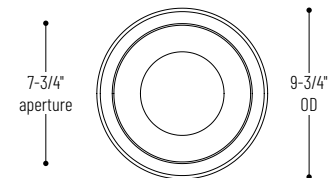
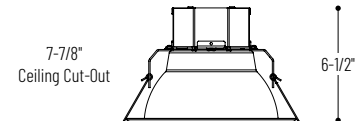
Notes

PRODUCT IMAGES AND DIMENSIONS



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
NQZ-81 = 8" Open Reflector	TW = 1700lm, 2300lm, 2500lm, 2900lm	TW = 3000K, 3500K, 4000K	-MPW = Matte Powder White

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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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

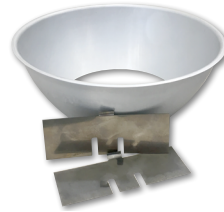
Snap-in reflector is field changeable and fits over 8" Quartz reflector.



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

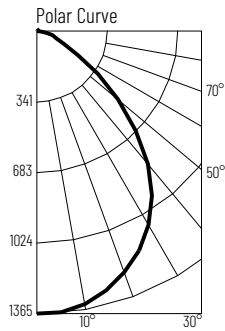
Project

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

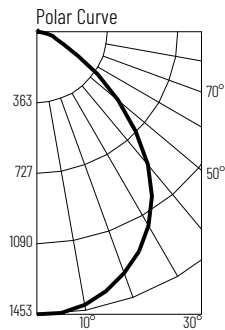
Zone	Lumens	% Luminaire
0-30	1031	36.7
0-40	1638	58.3
0-60	2499	88.9
0-90	2773	98.7
90-180	38	1.3
0-180	2810	100

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

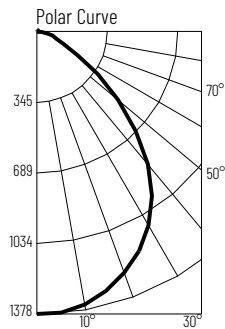
Zone	Lumens	% Luminaire
0-30	1097	37.1
0-40	1737	58.7
0-60	2639	89.2
0-90	2924	98.8
90-180	37	1.2
0-180	2960	100

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