

NQZ-4

4" Quartz Tunable Wattage / Tunable White Reflectors

Source: 6W to 15W LED

500lm to 1200lm

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 500lm to 1200lm
- 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 1-1/4". New construction frame-in kit is available, must specify NQZ-4R-F.

ELECTRICAL

Input Voltage: 120-277V

Lumens / Wattage: 500lm / 6W, 750lm / 9W, 950lm / 12W and 1200lm / 15W

Beam Spread: 83° Wide Flood

Color Temperature: 3000K, 3500K and 4000K

CRI: 90+CRI

Operating Temperature: 0°C - 45°C

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

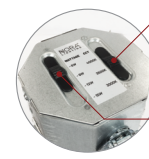
Optional Emergency: Luminaire includes pre-wired 120-277V emergency battery with remote test switch. Battery operates luminaire at 7W for 90 minute emergency operation with a fully charged battery.

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

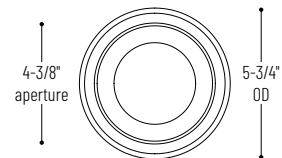
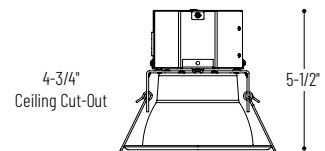
Tunable Wattage

Selectable Lumen
500lm, 750lm, 950lm, or 1200lm



NQZ-41TWTW-MPW

4" Quartz with Matte Powder White Reflector



NQZ-41TWTW-MPW / NQZ-41REFLC

4" Quartz with Specular Clear Reflector



NQZ-41TWTW-MPW / NQZ-41REFLD

4" Quartz with Clear Diffused Reflector



NQZ-41TWTW-MPW / NQZ-41REFLHZ

4" Quartz with Haze Reflector

4" Quartz Tunable Wattage / Tunable White Reflector

Reflector Type	Lumens / Wattage / Color Temperature	Reflector / Flange Finish	Optional Emergency
NQZ-41 = 4" Open Reflector	TWTW = 500lm, 750lm, 950lm, 1200lm 3000K, 3500K, 4000K	-MPW = Matte Powder White	EM = Emergency with Remote Test Switch

Optional Accessories

Description
NQZ-4R-F = 4" New Construction Frame-In
NQZ-41REFLC = 4" Specular Clear Snap-in Reflector
NQZ-41REFLD = 4" Clear Diffused Snap-in Reflector
NQZ-41REFLHZ = 4" Haze Snap-in Reflector

Example: NQZ-41TWTW-MPW = 4" Quartz Downlight, Tunable Wattage, Tunable White, Matte Powder White

NQZ-4

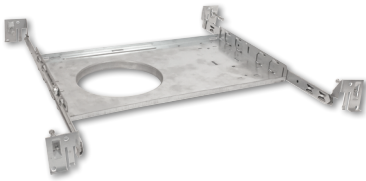
4" Quartz Tunable Wattage / Tunable White Accessories

Type

Project

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Notes



New Construction Frame-In Kit

NQZ-4R-F

For new construction pre-wiring and easier layout planning.



Specular Clear Reflector

NQZ-41REFLC

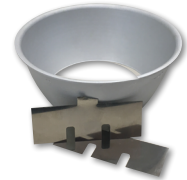
Snap-in reflector is field changeable and fits over 4" Quartz reflector.



Clear Diffused Reflector

NQZ-41REFLD

Snap-in reflector is field changeable and fits over 4" Quartz reflector.



Haze Reflector

NQZ-41REFLHZ

Snap-in reflector is field changeable and fits over 4" Quartz reflector.

PHOTOMETRICS

4" Quartz Tunable Wattage / Tunable White Reflectors

Type

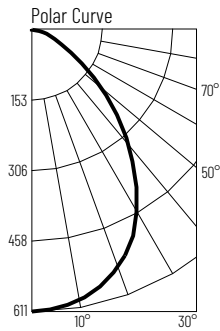
Project

Catalog No.

Notes

Test Information

Test Number: NTR1213
Part Number: NQZ-41TWTW-MPW
Beam Spread: 83° Wide Flood
Lumens: 1155lm
Wattage: 15.2W
Efficacy: 76lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180): 1.14
Spacing Criteria (90°-270): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.2fc	7'-2"
6'	17fc	10'-10"
8'	9.6fc	14'-5"
10'	6.1fc	18'
12'	4.2fc	21'-7"

Zonal Lumen Summary

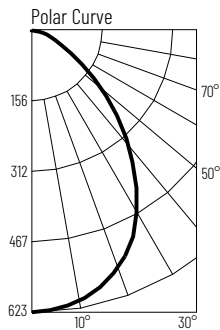
Zone	Lumens	% Luminaire
0-30	452	39.2
0-40	640	55.4
0-60	1032	89.4
0-90	1149	99.5
90-180	6	0.5
0-180	1155	100

Candela Table

Vertical Angles	Candela
0	611
5	607
15	575
25	510
35	398
45	264

Test Information

Test Number: NTR1214
Part Number: NQZ-41TWTW-MPW
Beam Spread: 83° Wide Flood
Lumens: 1172lm
Wattage: 14.68W
Efficacy: 80lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180): 1.14
Spacing Criteria (90°-270): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	38.9fc	7'-1"
6'	17.3fc	10'-8"
8'	9.7fc	14'-2"
10'	6.2fc	17'-10"
12'	4.3fc	21'-5"

Zonal Lumen Summary

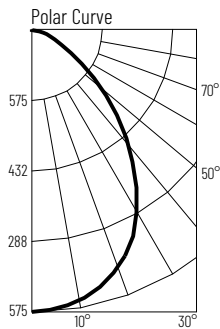
Zone	Lumens	% Luminaire
0-30	460	39.3
0-40	650	55.4
0-60	1048	89.4
0-90	1166	99.5
90-180	6	0.5
0-180	1172	100

Candela Table

Vertical Angles	Candela
0	623
5	618
15	587
25	518
35	401
45	267

Test Information

Test Number: NTR1215
Part Number: NQZ-41TWTW-MPW
Beam Spread: 83° Wide Flood
Lumens: 1079lm
Wattage: 14.93W
Efficacy: 72lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 1.14
Spacing Criteria (90°-270): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	36fc	7'-1"
6'	16fc	10'-5"
8'	9fc	14'-2"
10'	5.8fc	17'-8"
12'	4fc	21'-2"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	424	39.3
0-40	598	55.4
0-60	965	89.4
0-90	1074	99.5
90-180	6	0.5
0-180	1079	100

Candela Table

Vertical Angles	Candela
0	575
5	571
15	542
25	477
35	367
45	245