

NELO

ELO LED Surface Mount Luminaire with Selectable CCT

Source: 12W to 24W LED
850lm to 1750lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

ELO LED luminaires are a thin 3/4" surface mounted luminaire with selectable color temperature. Luminaires are available in 4", 6", 8" or 12" sizes and mounts easily over a standard or fire rated junction boxes.

FEATURES

- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- 120VAC input; Triac or ELV dimming
- Available in four sizes (4", 6", 8" or 12")
- Decorative rings easily attach to fixture
- cETLus Listed for Wet Locations
- 5-Year Limited Warranty

SPECIFICATION

Construction: Surface mounted luminaire includes integral driver with CCT switch.

Mounting: Steel bracket can be used to surface mount onto a junction box. EVA foam gasket provided for wet location applications.

Decorative Ring: Decorative accessory changes the finish of the luminaire. Available in black or brushed nickel finish.

ELECTRICAL

Input Voltage: 120VAC

Lumens / Wattage:

	NELO-4RTW	NELO-6RTW	NELO-8RTW	NELO-12RTW
Lumens	850lm	1050lm	1400lm	1750lm
Wattage	12W	15W	18W	24W

Color Temperature: Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (Note: Preset to 3000K)

Color Rendering Index: 90+ CRI

Operating Temperature: -25°C to 40°C

Lifetime: >50,000 hours (L70)

Dimming: Triac (Leading Edge) or ELV (Trailing Edge)

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

OPTIONAL ACCESSORIES

NELO-XR: Decorative ring to change the finish of luminaire. Available in 4", 6", 8" and 12" sizes in black or brushed nickel finish.

NSEM-6WDW: Surface mount enclosure with emergency driver and integral test switch for NELO-6RTWMPW.

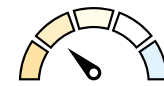
NSEM-6NDW: Decorative surface mount enclosure without an emergency driver for NELO-6RTWMPW. Used to match the appearance of NSEM-6WDW.

LABELS AND LISTINGS

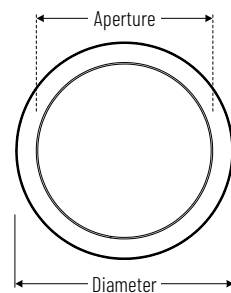
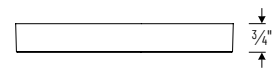
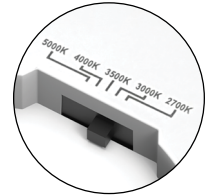
- cETLus Listed for Wet Locations
- FCC certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)



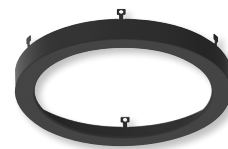
PRODUCT IMAGES & DIMENSIONS



Selectable CCT
Five position sliding switch
27K / 30K / 35K / 40K / 50K



	Diameter:	Aperture:
NELO-4RTW	5-1/2"	4-1/2"
NELO-6RTW	7"	6"
NELO-8RTW	8-7/8"	7-3/4"
NELO-12RTW	12-1/4"	11"



Black
Decorative Ring



Brushed Nickel
Decorative Ring

ELO LED Surface Mount Luminaire with Selectable CCT

Size / Finish

NELO-4RTWMPW = 4" ELO, Matte Powder White Finish
NELO-6RTWMPW = 6" ELO, Matte Powder White Finish
NELO-8RTWMPW = 8" ELO, Matte Powder White Finish
NELO-12RTWMPW = 12" ELO, Matte Powder White Finish

Optional Accessories

Description

Finish

NELO-4R = Decorative Ring for 4" ELO

B = Black

NELO-6R = Decorative Ring for 6" ELO

BN = Brushed Nickel

NELO-8R = Decorative Ring for 8" ELO

NELO-12R = Decorative Ring for 12" ELO

NSEM-6WDW = Surface mount enclosure with Emergency Driver for 6"

NSEM-6NDW = Decorative enclosure without Emergency for 6"

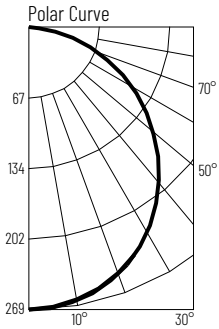
Example: **NELO-12RTWMPW** = 12" ELO LED Surface Mount Luminaire with Selectable CCT, 1750lm / 24W, Matte Powder White finish

PHOTOMETRICS

4" ELO LED Surface Mount Luminaire with Selectable CCT

Type
Project
Catalog No.
Notes

Test Information
Test Number: NTS240R1
Part Number: NELO-4RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 732lm
Wattage: 11.27W
Efficacy: 65lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

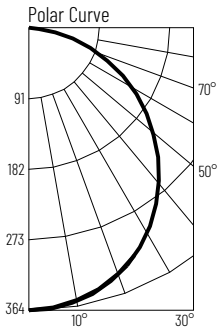


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	16.7fc	11"
6'	7.4fc	16"-6"
8'	4.2fc	22"
10'	2.7fc	27"-6"
12'	1.9fc	33"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	206	28.1
0-40	335	45.7
0-60	583	79.6
0-90	732	100
90-180	0	0
0-180	732	100

Candela Table	
Vertical Angles	Candela
0	268
5	267
15	257
25	237
35	209
45	174

Test Information
Test Number: NTS241R1
Part Number: NELO-4RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 796lm
Wattage: 11.51W
Efficacy: 69lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24

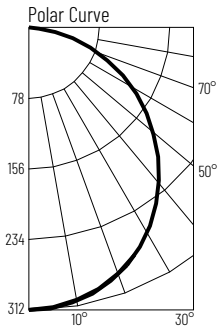


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	18.2fc	11"-2"
6'	8.1fc	16"-8"
8'	4.6fc	22"-4"
10'	2.9fc	27"-11"
12'	2fc	33"-6"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	224	28.1
0-40	364	45.7
0-60	633	79.6
0-90	796	100
90-180	0	0
0-180	796	100

Candela Table	
Vertical Angles	Candela
0	291
5	289
15	279
25	258
35	228
45	189

Test Information
Test Number: NTS242R1
Part Number: NELO-4RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 854lm
Wattage: 11.75W
Efficacy: 73lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24

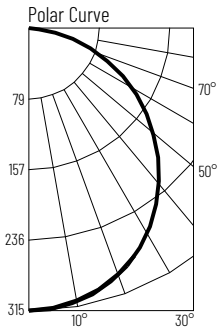


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	19.5fc	11"-2"
6'	8.7fc	16"-10"
8'	4.9fc	22"-5"
10'	3.1fc	28"
12'	2.2fc	33"-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	240	28.1
0-40	390	45.7
0-60	680	79.6
0-90	854	100
90-180	0	0
0-180	854	100

Candela Table	
Vertical Angles	Candela
0	312
5	311
15	300
25	277
35	244
45	203

Test Information
Test Number: NTS243R1
Part Number: NELO-4RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 861lm
Wattage: 11.63W
Efficacy: 74lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24

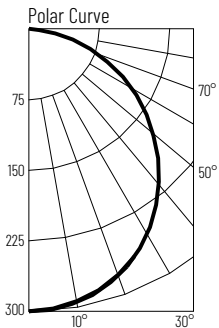


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	19.7fc	11"-2"
6'	8.7fc	16"-10"
8'	4.9fc	22"-5"
10'	3.2fc	28"
12'	2.2fc	33"-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	200	23.3
0-40	331	38.5
0-60	667	77.4
0-90	861	100
90-180	0	0
0-180	861	100

Candela Table	
Vertical Angles	Candela
0	315
5	314
15	302
25	280
35	246
45	204

Test Information
Test Number: NTS244R1
Part Number: NELO-4RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 820lm
Wattage: 11.27W
Efficacy: 73lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	18.7fc	11"-2"
6'	8.3fc	16"-10"
8'	4.7fc	22"-5"
10'	3fc	28"
12'	2.1fc	33"-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	230	28.1
0-40	375	45.7
0-60	653	79.6
0-90	820	100
90-180	0	0
0-180	820	100

Candela Table	
Vertical Angles	Candela
0	300
5	298
15	287
25	266
35	234
45	195

PHOTOMETRICS

6" ELO LED Surface Mount Luminaire with Selectable CCT

Type

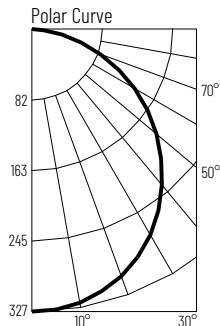
Project

Catalog No.

Notes

Test Information

Test Number: NTS245R1
Part Number: NELO-6RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 894lm
Wattage: 13.44W
Efficacy: 67lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	20.4fc	11"-1"
6'	9.1fc	16"-7"
8'	5.1fc	22"-1"
10'	3.3fc	27"-8"
12'	2.3fc	33"-2"

Zonal Lumen Summary

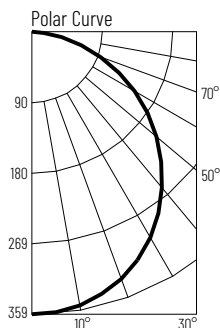
Zone	Lumens	% Luminaire
0-30	251	28.1
0-40	408	45.6
0-60	711	79.5
0-90	894	100
90-180	0	0
0-180	894	100

Candela Table

Vertical Angles	Candela
0	326
5	325
15	313
25	289
35	254
45	210

Test Information

Test Number: NTS246R1
Part Number: NELO-6RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 985lm
Wattage: 13.67W
Efficacy: 72lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.fc	11"-1"
6'	10fc	16"-7"
8'	5.6fc	22"-2"
10'	3.6fc	27"-8"
12'	2.5fc	33"-4"

Zonal Lumen Summary

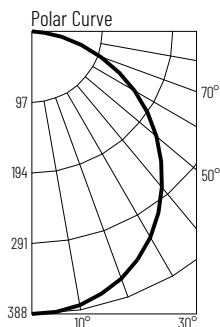
Zone	Lumens	% Luminaire
0-30	276	28
0-40	449	45.6
0-60	783	79.5
0-90	985	100
90-180	0	0
0-180	985	100

Candela Table

Vertical Angles	Candela
0	359
5	358
15	345
25	319
35	281
45	233

Test Information

Test Number: NTS247R1
Part Number: NELO-6RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 1064lm
Wattage: 13.91W
Efficacy: 77lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.24
Spacing Criteria (90°-270°): 1.24



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.3fc	11"-2"
6'	10.8fc	16"-10"
8'	6.1fc	22"-5"
10'	3.9fc	27"-11"
12'	2.7fc	33"-6"

Zonal Lumen Summary

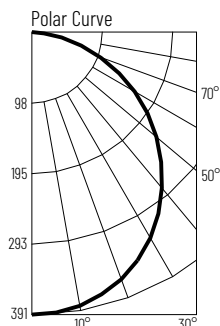
Zone	Lumens	% Luminaire
0-30	299	28.1
0-40	486	45.6
0-60	846	79.5
0-90	1064	100
90-180	0	0
0-180	1064	100

Candela Table

Vertical Angles	Candela
0	388
5	386
15	372
25	343
35	301
45	249

Test Information

Test Number: NTS248R1
Part Number: NELO-6RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 1071lm
Wattage: 13.8W
Efficacy: 78lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.4fc	11"-2"
6'	10.9fc	16"-10"
8'	6.1fc	22"-5"
10'	3.9fc	28"
12'	2.7fc	33"-7"

Zonal Lumen Summary

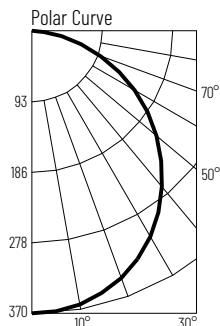
Zone	Lumens	% Luminaire
0-30	300	28
0-40	489	45.6
0-60	852	79.5
0-90	1071	100
90-180	0	0
0-180	1071	100

Candela Table

Vertical Angles	Candela
0	391
5	389
15	376
25	348
35	306
45	254

Test Information

Test Number: NTS249R1
Part Number: NELO-6RTWMPW
Beam Spread: 108° Wide Flood
Lumens: 1015lm
Wattage: 13.38W
Efficacy: 76lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.1fc	11"-2"
6'	10.3fc	16"-10"
8'	5.8fc	22"-5"
10'	3.7fc	28"
12'	2.6fc	33"-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	285	28
0-40	463	45.6
0-60	807	79.5
0-90	1015	100
90-180	0	0
0-180	1015	100

Candela Table

Vertical Angles	Candela
0	370
5	369
15	356
25	329
35	289
45	239

PHOTOMETRICS

8" ELO LED Surface Mount Luminaire with Selectable CCT

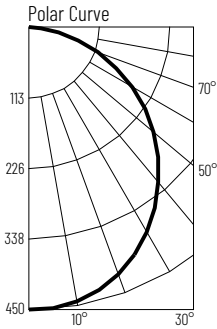
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTS250R1
Part Number: NELO-8RTWMPW
Beam Spread: 109° Wide Flood
Lumens: 1249lm
Wattage: 16.91W
Efficacy: 74lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24

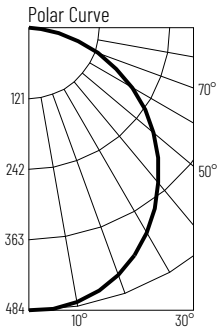


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	12.5fc	17"
8'	7fc	22'-8"
10'	4.5fc	28'-5"
12'	3.1fc	34'
14'	2.3fc	39'-8"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	347	27.8
0-40	565	45.2
0-60	987	79.1
0-90	1249	100
90-180	0	0
0-180	1249	100

Candela Table	
Vertical Angles	Candela
0	450
5	449
15	433
25	402
35	355
45	295

Test Information
Test Number: NTS251R1
Part Number: NELO-8RTWMPW
Beam Spread: 109° Wide Flood
Lumens: 1344lm
Wattage: 17.15W
Efficacy: 78lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.24

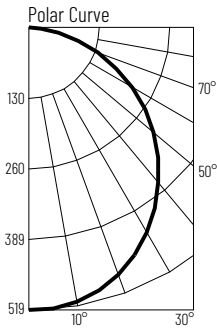


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	13.4fc	17'-1"
8'	7.6fc	22'-8"
10'	4.8fc	28'-5"
12'	3.4fc	34'-1"
14'	2.5fc	39'-10"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	373	27.8
0-40	608	45.2
0-60	1062	79.1
0-90	1344	100
90-180	0	0
0-180	1344	100

Candela Table	
Vertical Angles	Candela
0	484
5	483
15	468
25	435
35	386
45	322

Test Information
Test Number: NTS252R1
Part Number: NELO-8RTWMPW
Beam Spread: 109° Wide Flood
Lumens: 1442lm
Wattage: 17.51W
Efficacy: 82lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.24

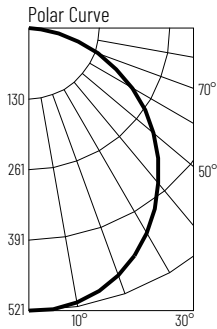


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	14.4fc	17"
8'	8.1fc	22'-8"
10'	5.2fc	28'-5"
12'	3.6fc	34'-1"
14'	2.7fc	39'-10"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	400	27.8
0-40	652	45.2
0-60	1140	79.1
0-90	1442	100
90-180	0	0
0-180	1442	100

Candela Table	
Vertical Angles	Candela
0	519
5	518
15	500
25	463
35	409
45	340

Test Information
Test Number: NTS253R1
Part Number: NELO-8RTWMPW
Beam Spread: 109° Wide Flood
Lumens: 1447lm
Wattage: 17.27W
Efficacy: 84lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

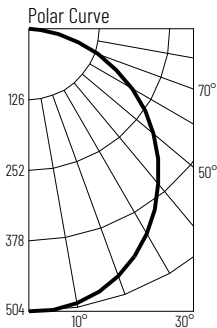


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	14.5fc	17"
8'	8.2fc	22'-7"
10'	5.2fc	28'-4"
12'	3.6fc	33'-11"
14'	2.7fc	39'-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	402	27.8
0-40	654	45.2
0-60	1144	79.1
0-90	1447	100
90-180	0	0
0-180	1447	100

Candela Table	
Vertical Angles	Candela
0	521
5	520
15	501
25	466
35	414
45	347

Test Information
Test Number: NTS254R1
Part Number: NELO-8RTWMPW
Beam Spread: 109° Wide Flood
Lumens: 1399lm
Wattage: 16.91W
Efficacy: 83lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
6'	14fc	16'-11"
8'	7.9fc	22'-7"
10'	5fc	28'-2"
12'	3.5fc	33'-10"
14'	2.6fc	39'-6"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	389	27.8
0-40	633	45.2
0-60	1106	79.1
0-90	1399	100
90-180	0	0
0-180	1399	100

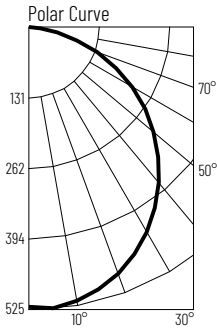
Candela Table	
Vertical Angles	Candela
0	504
5	502
15	486
25	452
35	401
45	335

PHOTOMETRICS

12" ELO LED Surface Mount Luminaire with Selectable CCT

Type
Project
Catalog No.
Notes

Test Information
Test Number: NTS255R1
Part Number: NELO-12RTWMPW
Beam Spread: 111° Wide Flood
Lumens: 1484lm
Wattage: 22.07W
Efficacy: 67lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	14.6fc	17'-8"
8'	8.2fc	23'-7"
10'	5.2fc	29'-5"
12'	3.6fc	35'-4"
14'	2.7fc	41'-2"

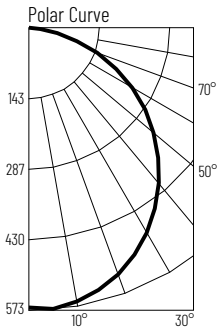
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	406	27.4
0-40	663	44.7
0-60	1168	78.7
0-90	1484	100
90-180	0	0
0-180	1484	100

Candela Table

Vertical Angles	Candela
0	524
5	522
15	504
25	468
35	415
45	348

Test Information
Test Number: NTS256R1
Part Number: NELO-12RTWMPW
Beam Spread: 111° Wide Flood
Lumens: 1618lm
Wattage: 22.31W
Efficacy: 73lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	15.9fc	17'-5"
8'	8.9fc	23'-2"
10'	5.7fc	29'
12'	4fc	34'-10"
14'	2.9fc	40'-7"

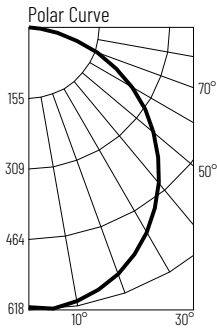
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	443	27.4
0-40	724	44.7
0-60	1274	78.7
0-90	1618	100
90-180	0	0
0-180	1618	100

Candela Table

Vertical Angles	Candela
0	572
5	569
15	549
25	510
35	452
45	378

Test Information
Test Number: NTS257R1
Part Number: NELO-12RTWMPW
Beam Spread: 111° Wide Flood
Lumens: 1745lm
Wattage: 22.79W
Efficacy: 77lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	17.1fc	17'-6"
8'	9.6fc	23'-5"
10'	6.2fc	29'-2"
12'	4.3fc	35'
14'	3.2fc	40'-10"

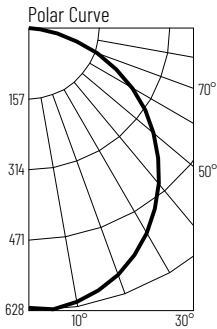
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	478	27.4
0-40	780	44.7
0-60	1374	78.7
0-90	1745	100
90-180	0	0
0-180	1745	100

Candela Table

Vertical Angles	Candela
0	617
5	614
15	592
25	550
35	487
45	408

Test Information
Test Number: NTS258R1
Part Number: NELO-12RTWMPW
Beam Spread: 111° Wide Flood
Lumens: 1758lm
Wattage: 22.55W
Efficacy: 78lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	17.3fc	17'-4"
8'	9.7fc	23'-1"
10'	6.2fc	28'-10"
12'	4.3fc	34'-7"
14'	3.2fc	40'-5"

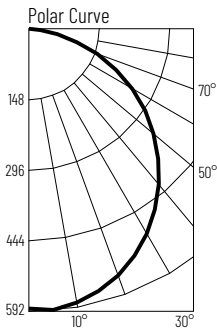
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	481	27.4
0-40	786	44.7
0-60	1384	78.7
0-90	1758	100
90-180	0	0
0-180	1758	100

Candela Table

Vertical Angles	Candela
0	622
5	617
15	595
25	553
35	490
45	410

Test Information
Test Number: NTS259R1
Part Number: NELO-12RTWMPW
Beam Spread: 111° Wide Flood
Lumens: 1673lm
Wattage: 21.95W
Efficacy: 76lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	16.4fc	17'-7"
8'	9.2fc	23'-5"
10'	5.9fc	29'-4"
12'	4.1fc	35'-1"
14'	3fc	41'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	458	27.4
0-40	748	44.7
0-60	1317	78.7
0-90	1673	100
90-180	0	0
0-180	1673	100

Candela Table

Vertical Angles	Candela
0	592
5	590
15	568
25	527
35	467
45	391