



Architectural grade
at an affordable price.



NDLED® 3" DOWNLIGHTS

RAB[®]
LIGHTING
RABWEB.COM • 888-722-1000

3-in-1 housing. One-of-a-kind downlight.

The 3" NDLED housing delivers innovative design flexibility. Now you can install the rough-in first, and decide between a downlight, adjustable or wall washer later.



Our patented, center-axis adjustment blade enables precision beam angle positioning and a 360° pivot, allowing contractors and lighting designers to quickly install and swap out optics and trims from below the ceiling.



DOWNLIGHT

80° or 50° beam



ADJUSTABLE

40° or 20° beam
40° vertical adjustment
360° rotation



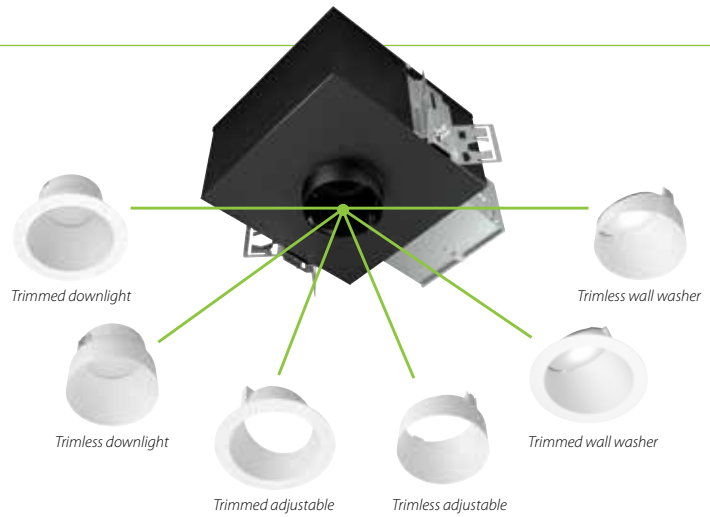
WALL WASH

Design

- Trimmed and trimless options available in round and square
- Durable die-cast aluminum trim cones
- Universal driver supports ELV, TRIAC and 0-10V dimming
- High-CRI models available
- Three color finishes (black, white, matte silver):



- Chicago Plenum (CCEA) compliant option
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty



IC housing accommodates downlight, adjustable and wall washer trim cones.

Specifications

UL Listing: Suitable for wet locations in a covered ceiling (adjustable models suitable for damp locations)

IC Rating: Suitable for direct contact with insulation

LEDs: High-output, long-life, surface-mount LEDs with 2-step binning

Lumen Maintenance: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver: Constant Current, Class 2, 120-277V, 50/60Hz

15W: 0.12A @ 120V, 0.08A @ 208V, 0.07A @ 240V, 0.06A @ 277V

25W: 0.24A @ 120V, 0.15A @ 208V, 0.13A @ 240V, 0.11A @ 277V

Dimming: Universal driver supports TRIAC, ELV and 0-10V*

Color Consistency: 2-step u'-v' Circle Tolerance, previously referred to as 2-step MacAdam Ellipse, achieves consistent fixture-to-fixture color (ANSI standard C78.377-2015)

Lens: Low-glare Solite glass eliminates "hot spots", and helps provide smooth, uniform light

Optics: High-efficiency TIR optics. Available as a downlight (80° or 50° beam), adjustable (40° or 20° beam with 40° vertical adjustment and 360° rotation), or a wall washer. Optic and trim cone included.

Housing: Cold-rolled steel and aluminum

Installation: Nailbar and butterfly brackets included; C-channels optional for acoustic tiles

Green Technology: Mercury and UV free. RoHS-compliant components

*See last page for list of compatible dimmers.

Ordering information

ROUGH-IN

Product Family	Size	Shape	Wattage	Driver	Color Temp.	CRI	Trim	Installation
NDICLED	3 3"	R Round S Square	25 25W 15 15W	D TRIAC, ELV, 0-10V Dimming L Lutron Dimming	N 4000K YN 3500K Y 3000K YY 2700K	Blank 80 CRI HC 90 CRI	Blank TL Accepts cones with trim Accepts trimless cones (spackle flange included)	Blank Standard CP Chicago Plenum

TRIM CONE

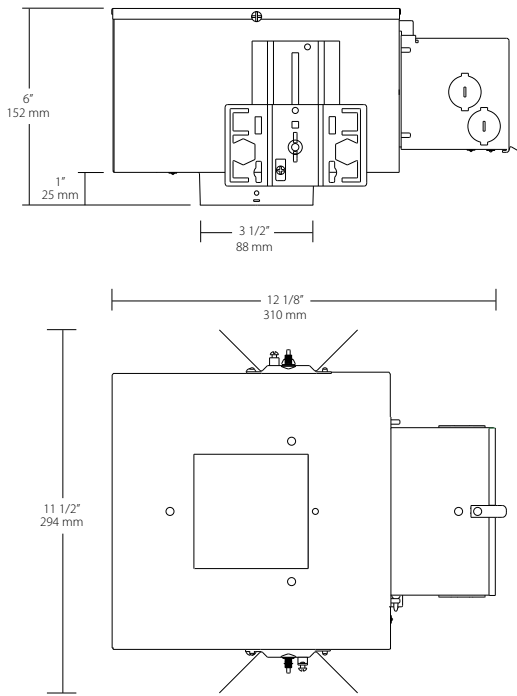
Product Family	Size	Shape	Optics	Color	Trim
NDTRIM	3 3"	R Round S Square	80 80° Downlight 50 50° Downlight 40A 40° Adjustable 20A 20° Adjustable W Wall Washer	B Black W White M Matte silver	Blank Trimmed TL Trimless

Emergency battery back-up option available. Contact 888-722-1000 for information.

Dimensions

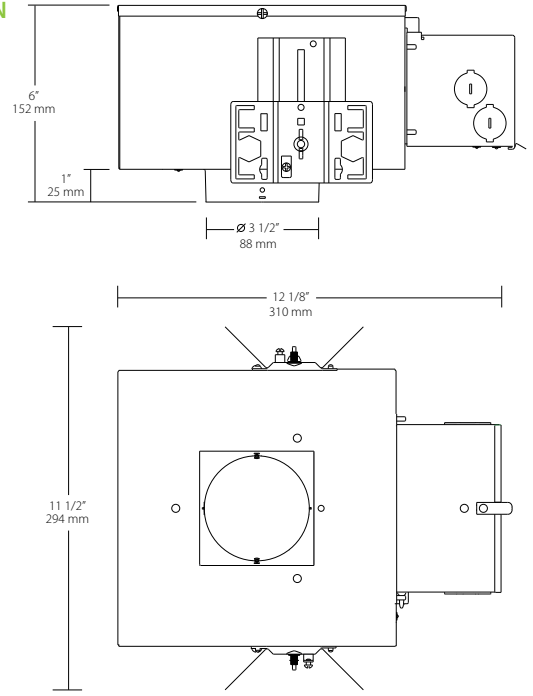
SQUARE ROUGH-IN

Weight: 10.4 lbs

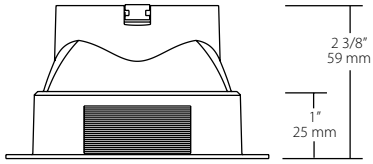


ROUND ROUGH-IN

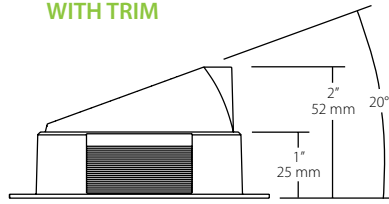
Weight: 10.4 lbs



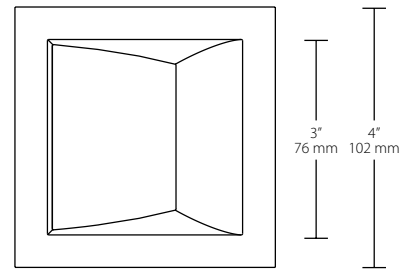
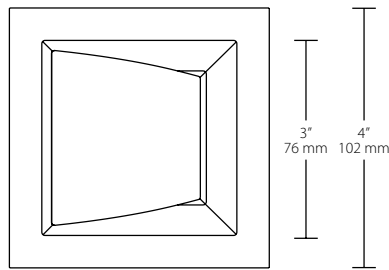
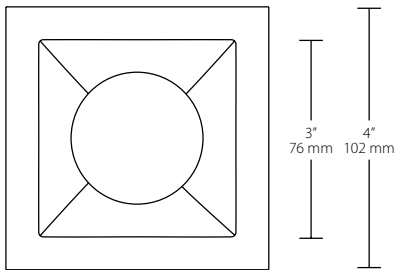
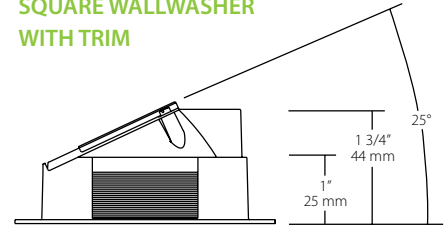
SQUARE DOWNLIGHT WITH TRIM



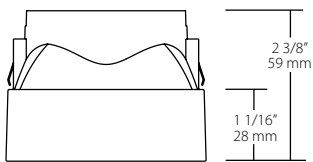
SQUARE ADJUSTABLE WITH TRIM



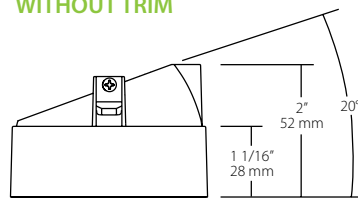
SQUARE WALLWASHER WITH TRIM



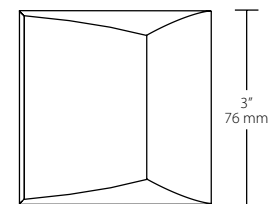
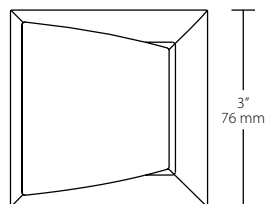
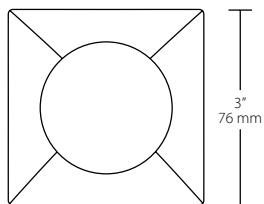
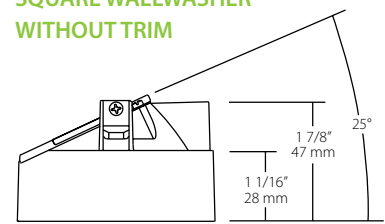
SQUARE DOWNLIGHT WITHOUT TRIM



SQUARE ADJUSTABLE WITHOUT TRIM

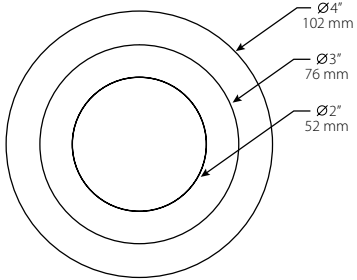
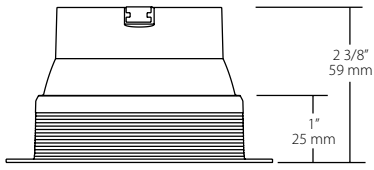


SQUARE WALLWASHER WITHOUT TRIM

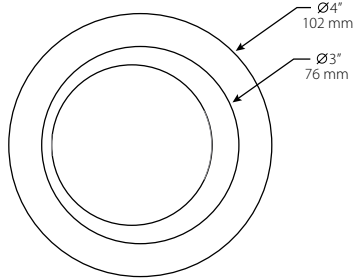
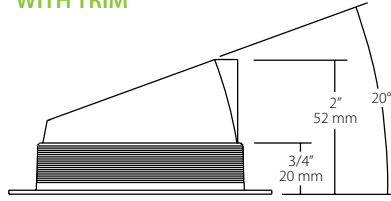


Dimensions (cont'd)

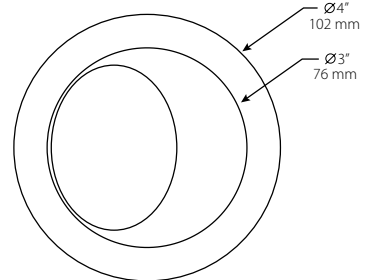
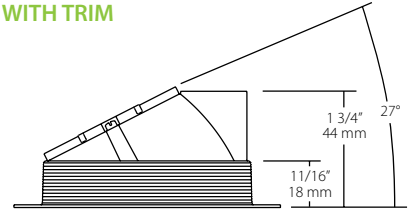
ROUND DOWNLIGHT WITH TRIM



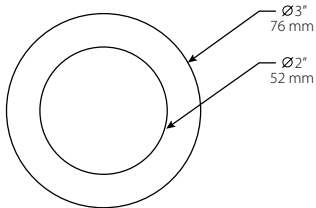
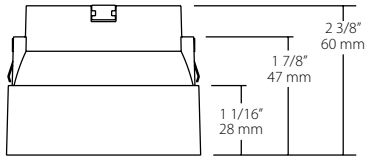
ROUND ADJUSTABLE WITH TRIM



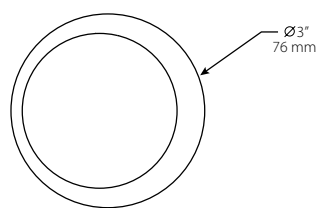
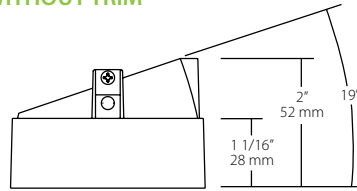
ROUND WALLWASHER WITH TRIM



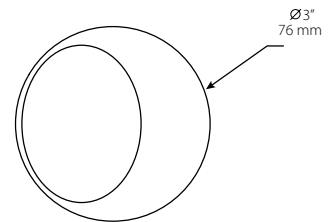
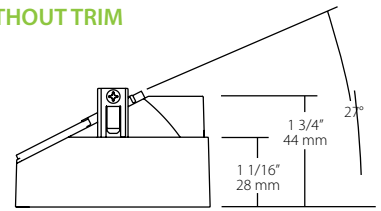
ROUND DOWNLIGHT WITHOUT TRIM



ROUND ADJUSTABLE WITHOUT TRIM

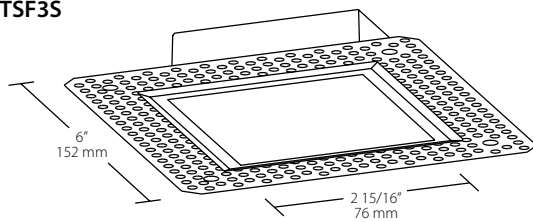


ROUND WALLWASHER WITHOUT TRIM



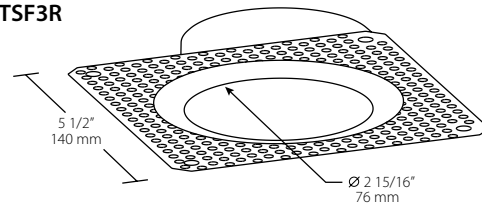
SQUARE SPACKLE FRAME FOR TRIMLESS CONES

TSF3S



ROUND SPACKLE FRAME FOR TRIMLESS CONES

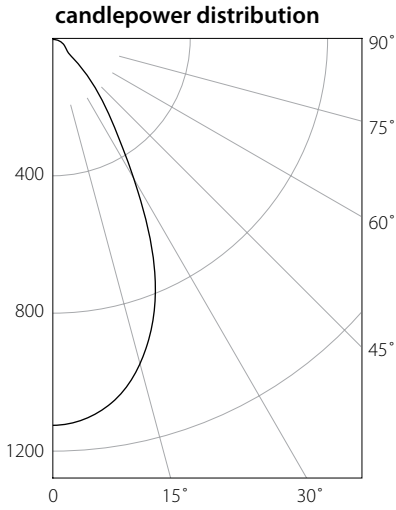
TSF3R



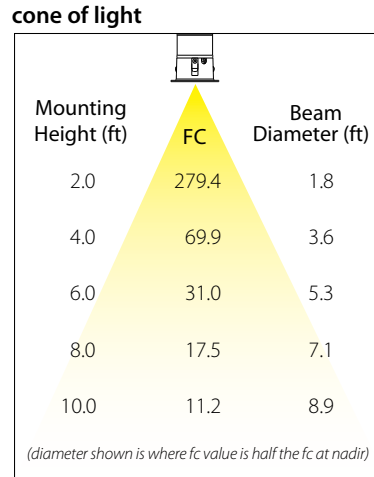
Photometrics - 15W Models

NDICLED3R-15DY + NDTRIM3R80-W: 3" - 15W - Round - 80° Downlight - 3000K - White Reflector

Photometric Report #RAB02763MOD153080



vertical deg.	candelas
0	1118
5	1103
15	975
25	694
35	321
45	133
55	50
65	39
75	25
85	8
90	1



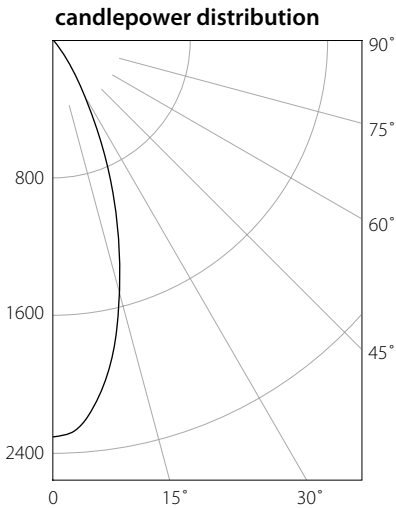
zone	lumens	% fix.
0- 30	687	61.8%
0- 40	892	80.2%
0- 60	1039	93.4%
0- 90	1112	100.0%
90-180	0	0.0%
0-180	1112	100.0%

Spacing Criteria 0.9

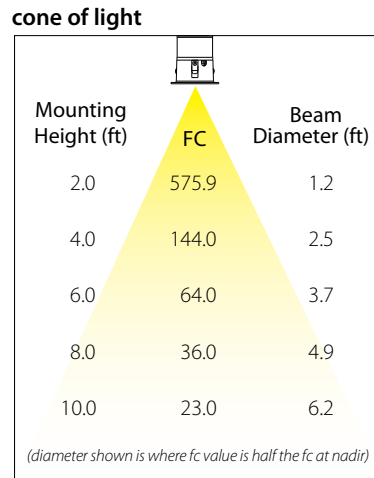
Efficacy: 75 lm/W

NDICLED3R-15DY + NDTRIM3R50-W: 3" - 15W - Round - 50° Downlight - 3000K - White Reflector

Photometric Report #RAB02732MOD153080



vertical deg.	candelas
0	2304
5	2207
15	1501
25	684
35	185
45	61
55	22
65	17
75	11
85	4
90	0



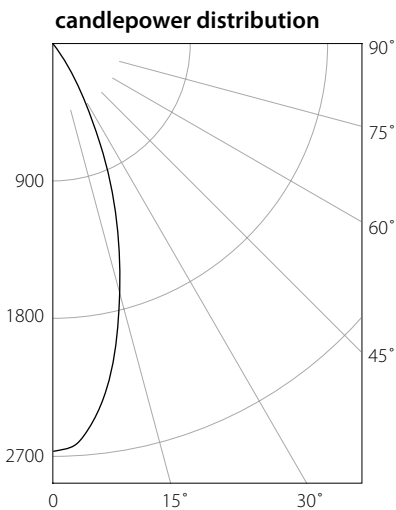
zone	lumens	% fix.
0- 30	926	80.5%
0- 40	1049	91.2%
0- 60	1117	97.1%
0- 90	1150	100.0%
90-180	0	0.0%
0-180	1150	100.0%

Spacing Criteria 0.6

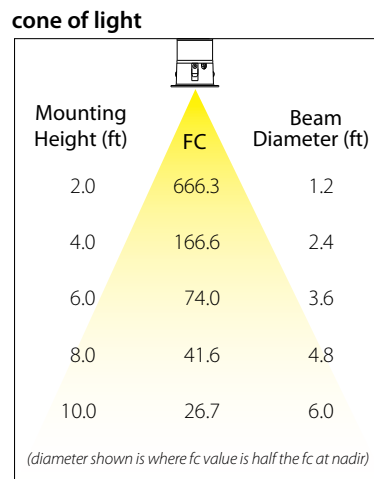
Efficacy: 78 lm/W

NDICLED3R-15DY + NDTRIM3R40A-W: 3" - 15W - Round - 40° Adjustable - 3000K - White Reflector

Photometric Report #RAB02782MOD153080



vertical deg.	candelas
0	2665
5	2542
15	1682
25	751
35	171
45	39
55	14
65	12
75	8
85	3
90	0



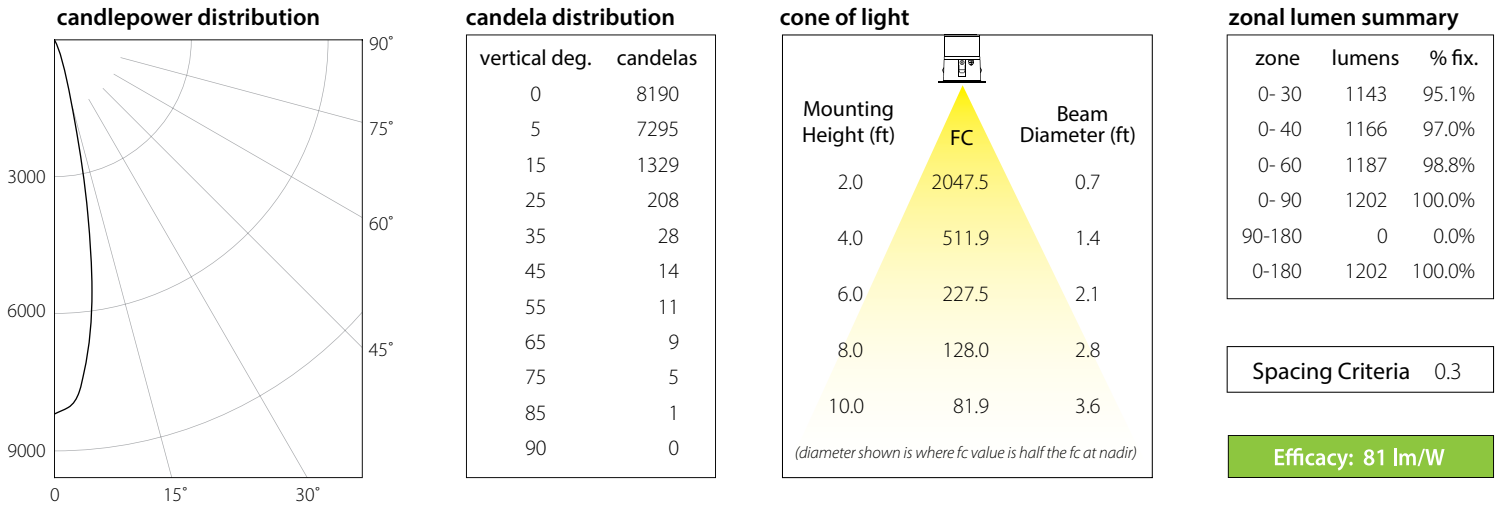
zone	lumens	% fix.
0- 30	1037	84.9%
0- 40	1154	94.5%
0- 60	1198	98.1%
0- 90	1221	100.0%
90-180	0	0.0%
0-180	1221	100.0%

Spacing Criteria 0.6

Efficacy: 83 lm/W

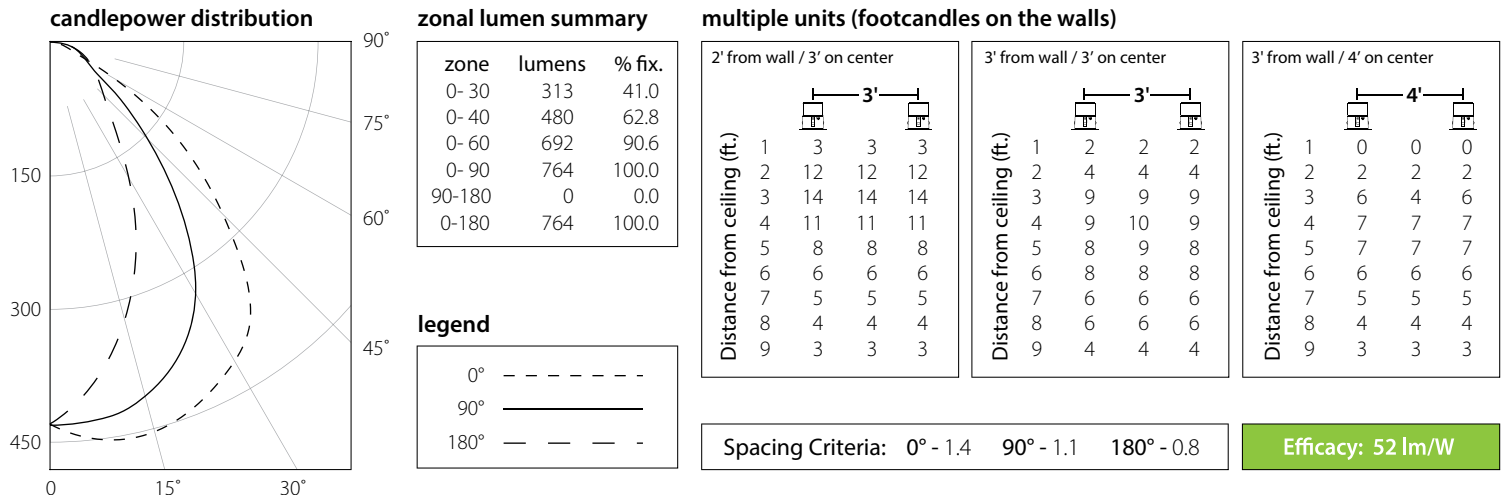
NDICLED3R-15DY + NDTRIM3R20A-W: 3" - 15W - Round - 20° Adjustable - 3000K - White Reflector

Photometric Report #RAB02823MOD153080



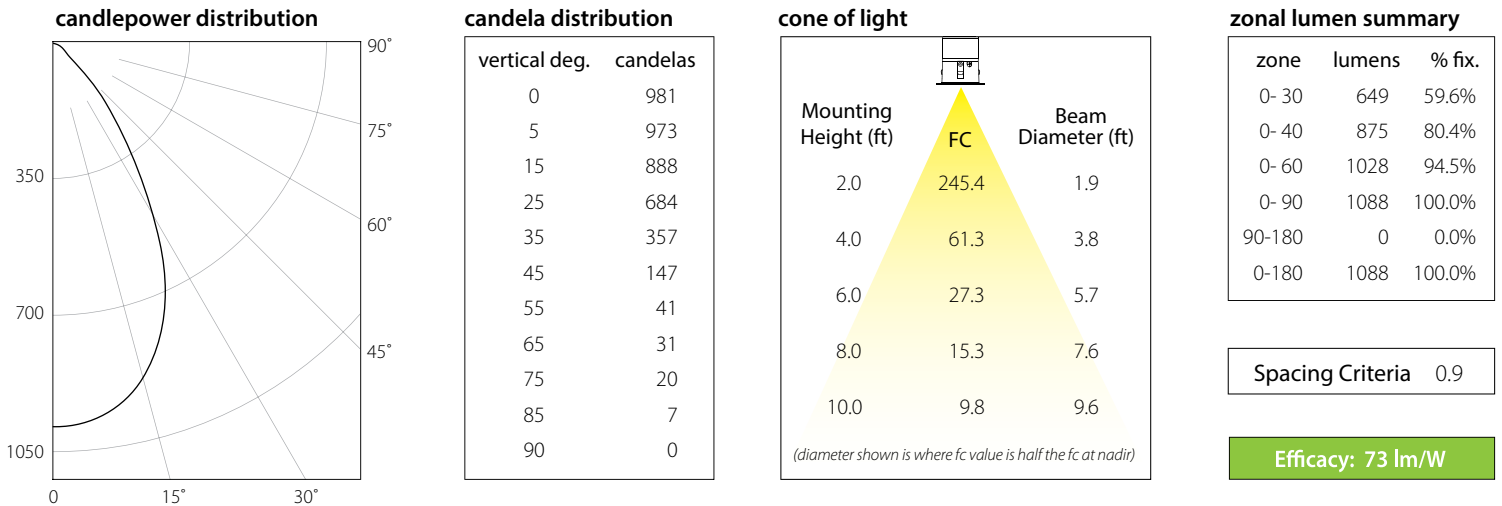
NDICLED3R-15DY + NDTRIM3RW-W: 3" - 15W - Round - Wall Washer - 3000K - White Reflector

Photometric Report #RAB02800MOD153080



NDICLED3S-15DY + NDTRIM3S80-W: 3" - 15W - Square - 80° Downlight - 3000K - White Reflector

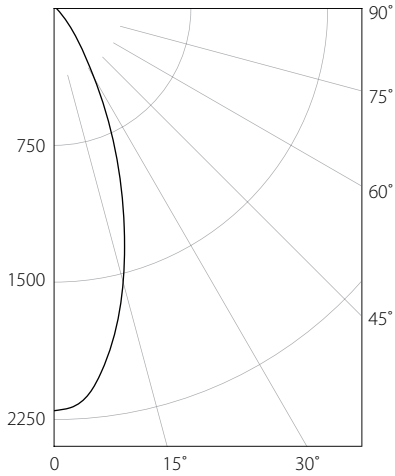
Photometric Report #RAB02794MOD153080



NDICLED3S-15DY + NDTRIM3S50-W: 3" - 15W - Square - 50° Downlight - 3000K - White Reflector

Photometric Report #RAB02776MOD153080

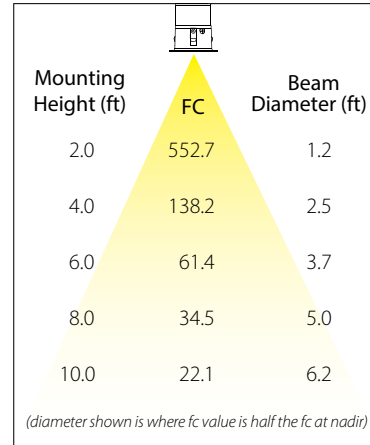
candlepower distribution



candela distribution

vertical deg.	candelas
0	2211
5	2121
15	1455
25	694
35	203
45	60
55	17
65	13
75	8
85	3
90	0

cone of light



zonal lumen summary

zone	lumens	% fix.
0- 30	912	80.3%
0- 40	1046	92.2%
0- 60	1110	97.8%
0- 90	1135	100.0%
90-180	0	0.0%
0-180	1135	100.0%

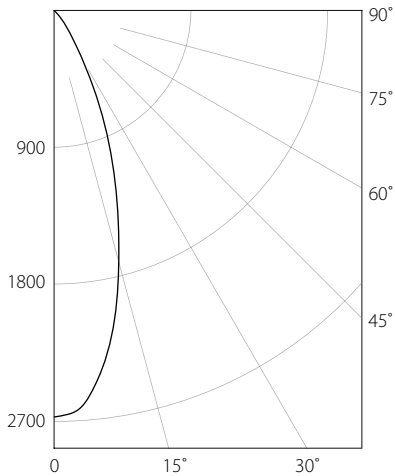
Spacing Criteria 0.6

Efficacy: 77 lm/W

NDICLED3S-15DY + NDTRIM3S40A-W: 3" - 15W - Square - 40° Adjustable - 3000K - White Reflector

Photometric Report #RAB02782MOD153080

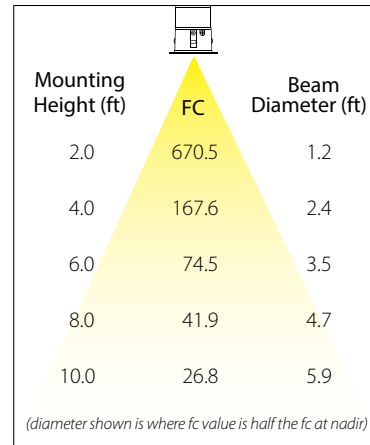
candlepower distribution



candela distribution

vertical deg.	candelas
0	2682
5	2565
15	1653
25	737
35	185
45	42
55	12
65	10
75	7
85	3
90	0

cone of light



zonal lumen summary

zone	lumens	% fix.
0- 30	1025	84.5%
0- 40	1149	94.6%
0- 60	1195	98.4%
0- 90	1214	100.0%
90-180	0	0.0%
0-180	1214	100.0%

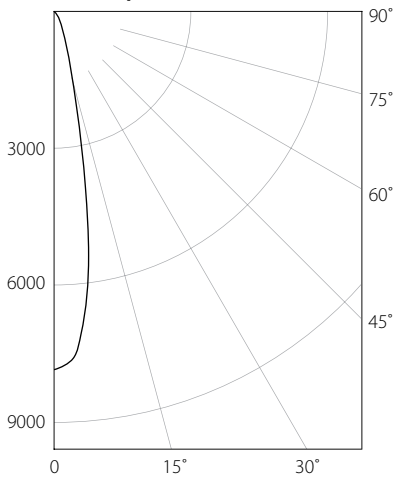
Spacing Criteria 0.6

Efficacy: 83 lm/W

NDICLED3S-15DY + NDTRIM3S20A-W: 3" - 15W - Square - 20° Adjustable - 3000K - White Reflector

Photometric Report #RAB02829MOD153080

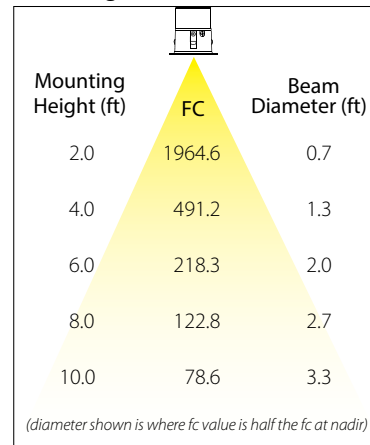
candlepower distribution



candela distribution

vertical deg.	candelas
0	7858
5	6888
15	1214
25	290
35	73
45	23
55	13
65	11
75	7
85	2
90	0

cone of light



zonal lumen summary

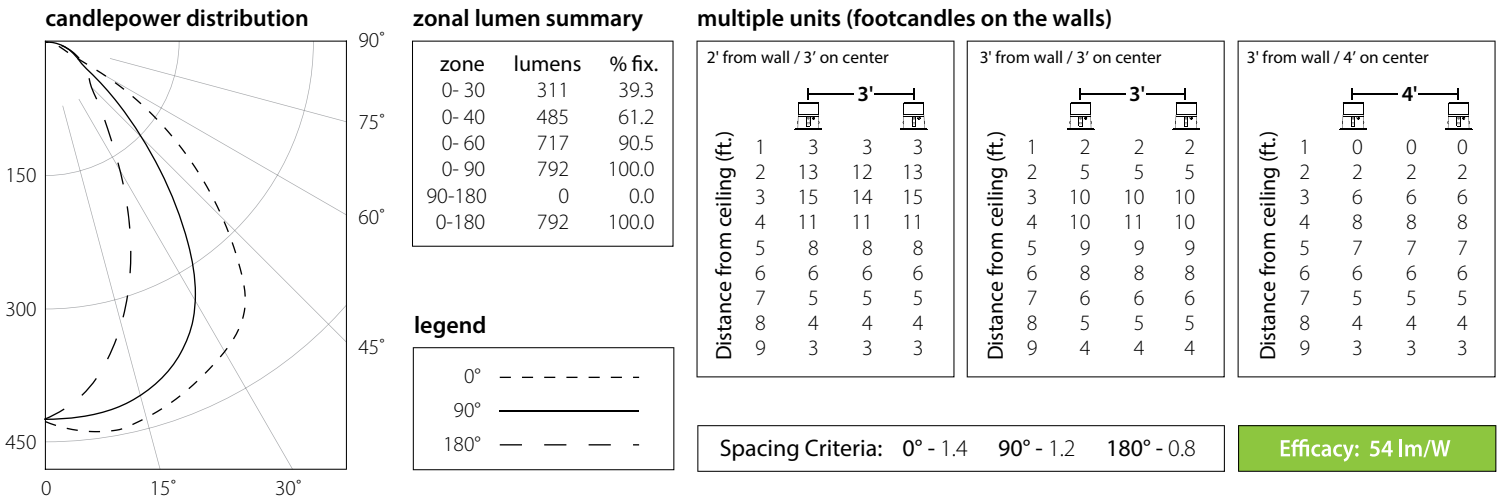
zone	lumens	% fix.
0- 30	1088	91.6%
0- 40	1137	95.7%
0- 60	1167	98.3%
0- 90	1188	100.0%
90-180	0	0.0%
0-180	1188	100.0%

Spacing Criteria 0.3

Efficacy: 80 lm/W

NDICLED3S-15DY + NDTRIM3SW-W: 3" - 15W - Square - Wall Washer - 3000K - White Reflector

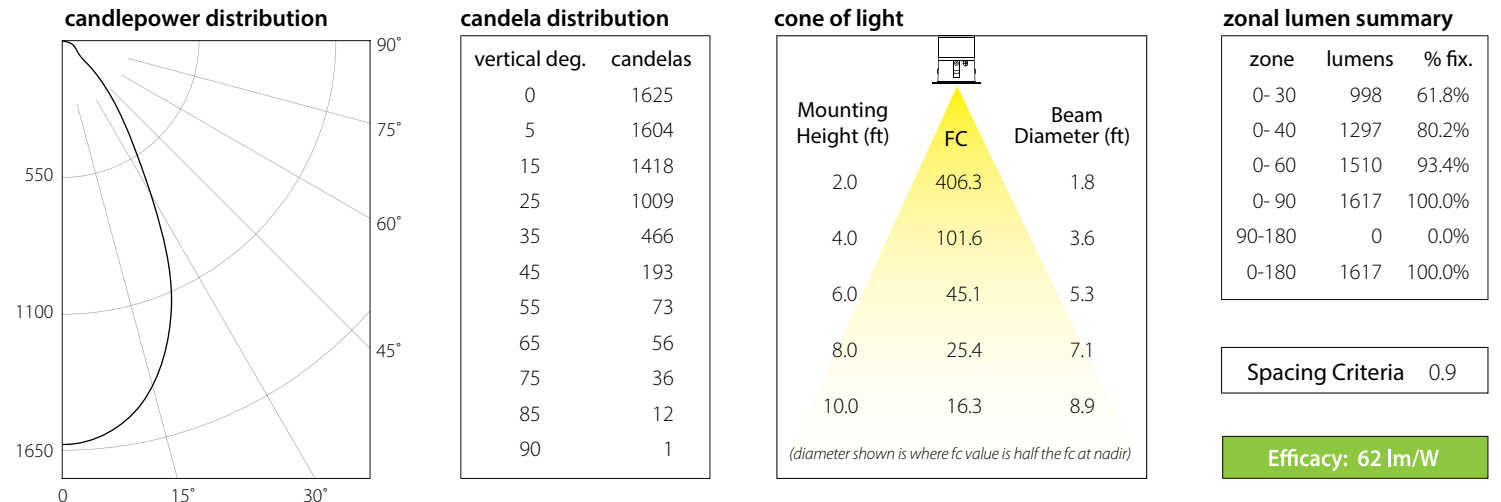
Photometric Report #RAB02806MOD153080



Photometrics - 25W Models

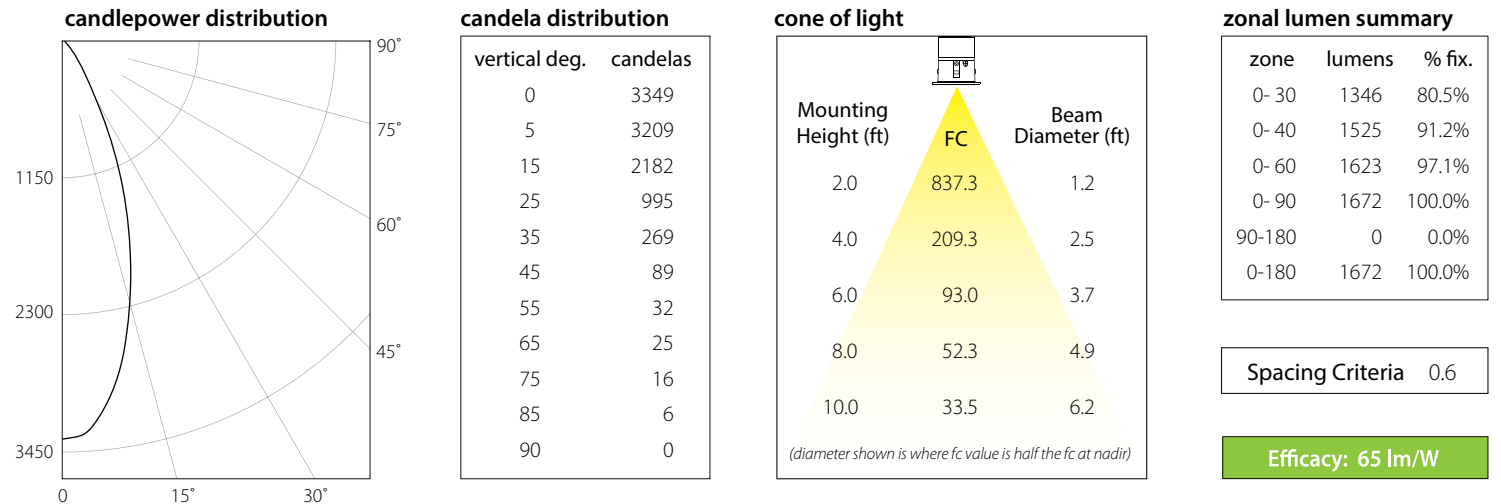
NDICLED3R-25DY + NDTRIM3R80-W: 3" - 25W - Round - 80° Downlight - 3000K - White Reflector

Photometric Report #RAB02763



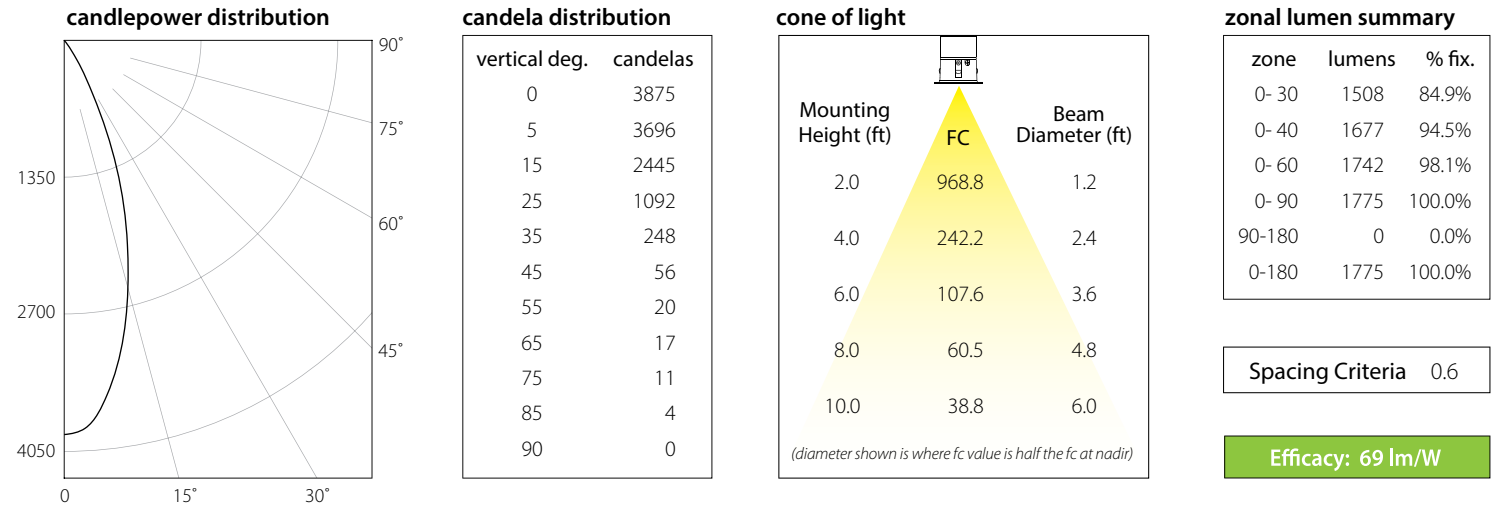
NDICLED3R-25DY + NDTRIM3R50-W: 3" - 25W - Round - 50° Downlight - 3000K - White Reflector

Photometric Report #RAB02732



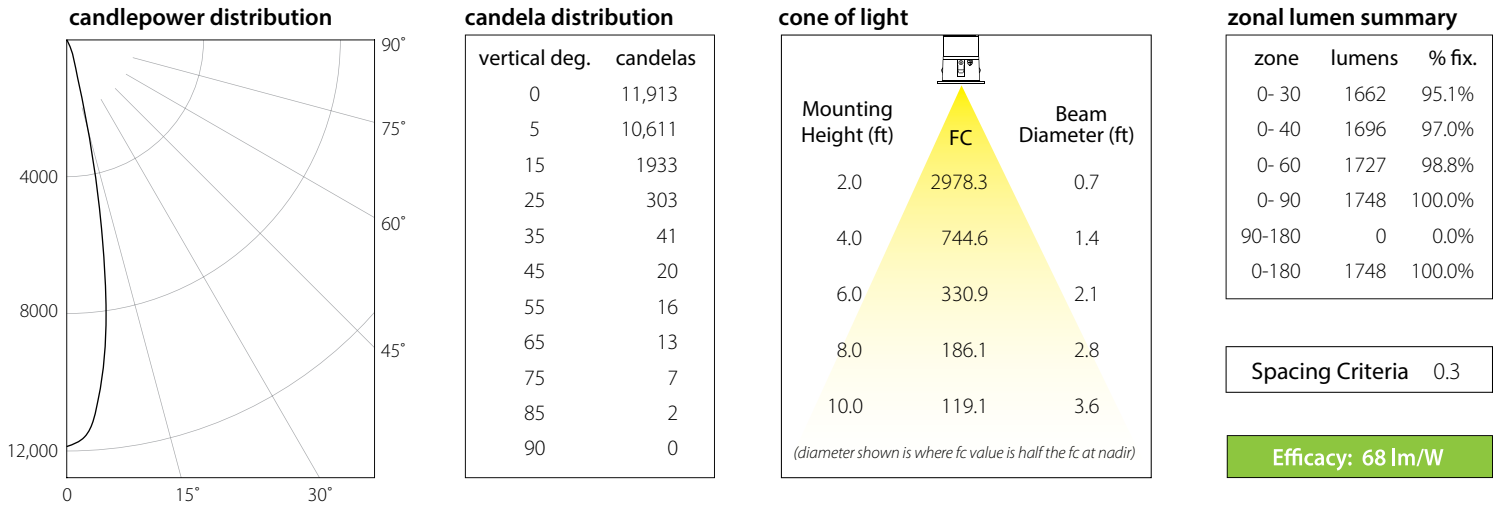
NDICLED3R-25DY + NDTRIM3R40A-W: 3" - 25W - Round - 40° Adjustable - 3000K - White Reflector

Photometric Report #RAB02782



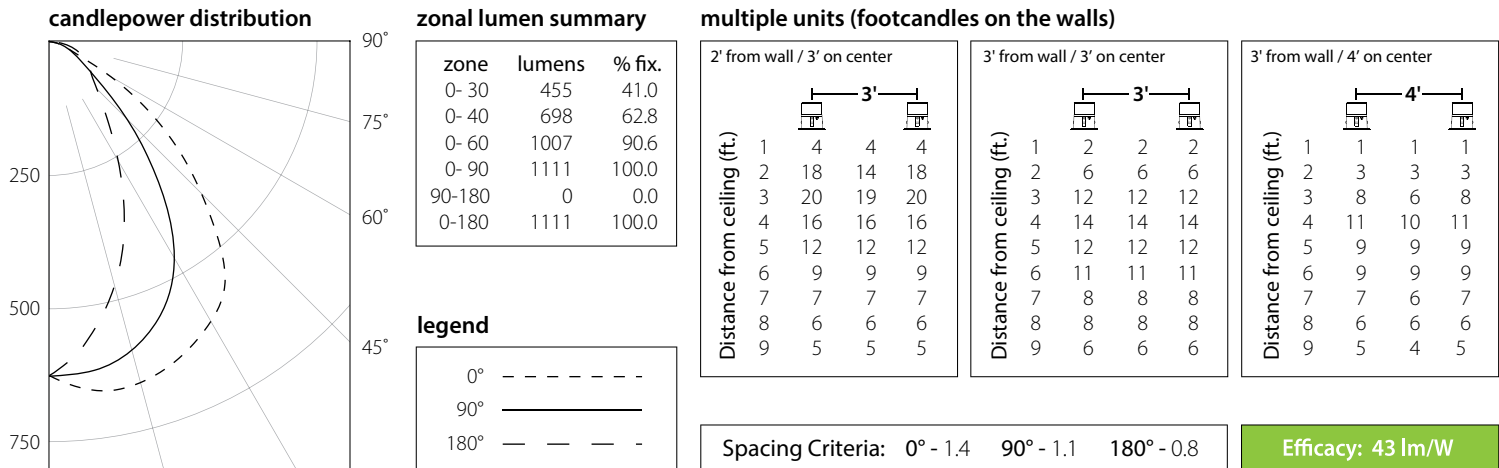
NDICLED3R-25DY + NDTRIM3R20A-W: 3" - 25W - Round - 20° Adjustable - 3000K - White Reflector

Photometric Report #RAB02823



NDICLED3R-25DY + NDTRIM3RW-W: 3" - 25W - Round - Wall Washer - 3000K - White Reflector

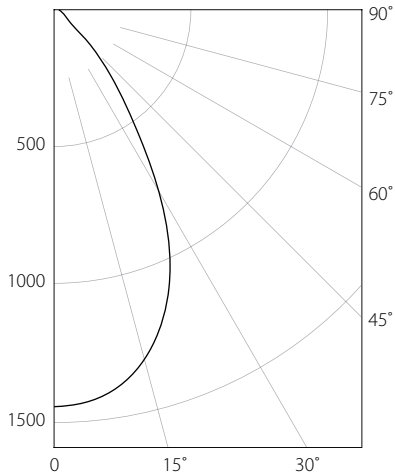
Photometric Report #RAB02800



NDICLED3S-25DY + NDTRIM3S80-W: 3" - 25W - Square - 80° Downlight - 3000K - White Reflector

Photometric Report #RAB02794

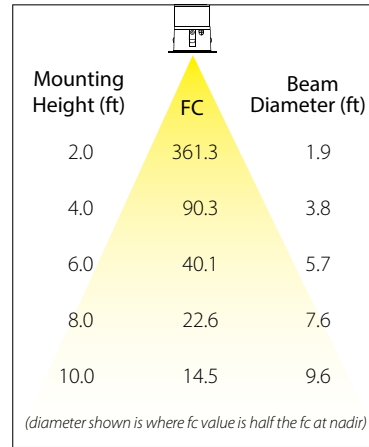
candlepower distribution



candela distribution

vertical deg.	candelas
0	1445
5	1432
15	1307
25	1007
35	525
45	217
55	61
65	46
75	30
85	11
90	0

cone of light



zonal lumen summary

zone	lumens	% fix.
0- 30	955	59.6%
0- 40	1288	80.4%
0- 60	1514	94.5%
0- 90	1602	100.0%
90-180	0	0.0%
0-180	1602	100.0%

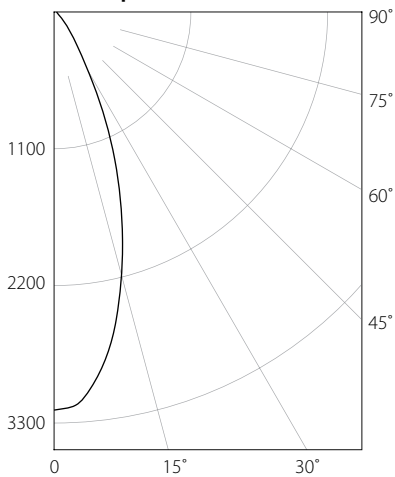
Spacing Criteria 0.9

Efficacy: 61 lm/W

NDICLED3S-25DY + NDTRIM3S50-W: 3" - 25W - Square - 50° Downlight - 3000K - White Reflector

Photometric Report #RAB02732

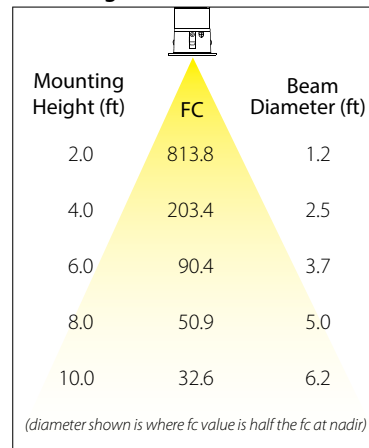
candlepower distribution



candela distribution

vertical deg.	candelas
0	3255
5	3123
15	2142
25	1022
35	299
45	88
55	25
65	19
75	12
85	5
90	0

cone of light



zonal lumen summary

zone	lumens	% fix.
0- 30	1342	80.3%
0- 40	1540	92.2%
0- 60	1635	97.8%
0- 90	1671	100.0%
90-180	0	0.0%
0-180	1671	100.0%

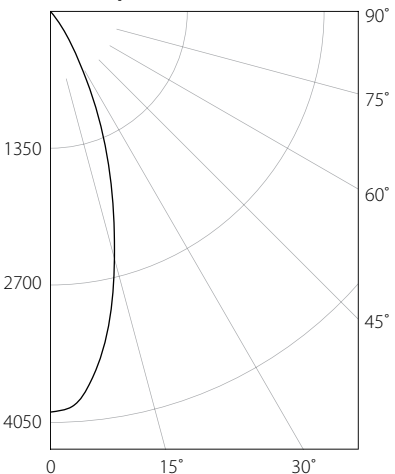
Spacing Criteria 0.6

Efficacy: 64 lm/W

NDICLED3S-25DY + NDTRIM3S40A-W: 3" - 25W - Square - 40° Adjustable - 3000K - White Reflector

Photometric Report #RAB02782

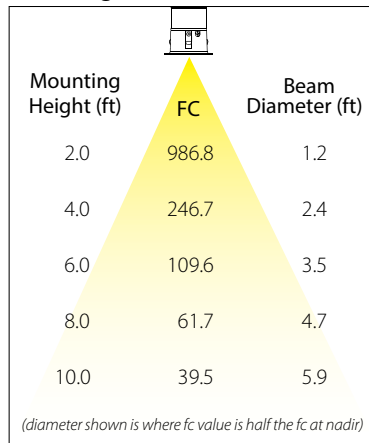
candlepower distribution



candela distribution

vertical deg.	candelas
0	3947
5	3775
15	2432
25	1085
35	272
45	62
55	17
65	14
75	10
85	4
90	0

cone of light



zonal lumen summary

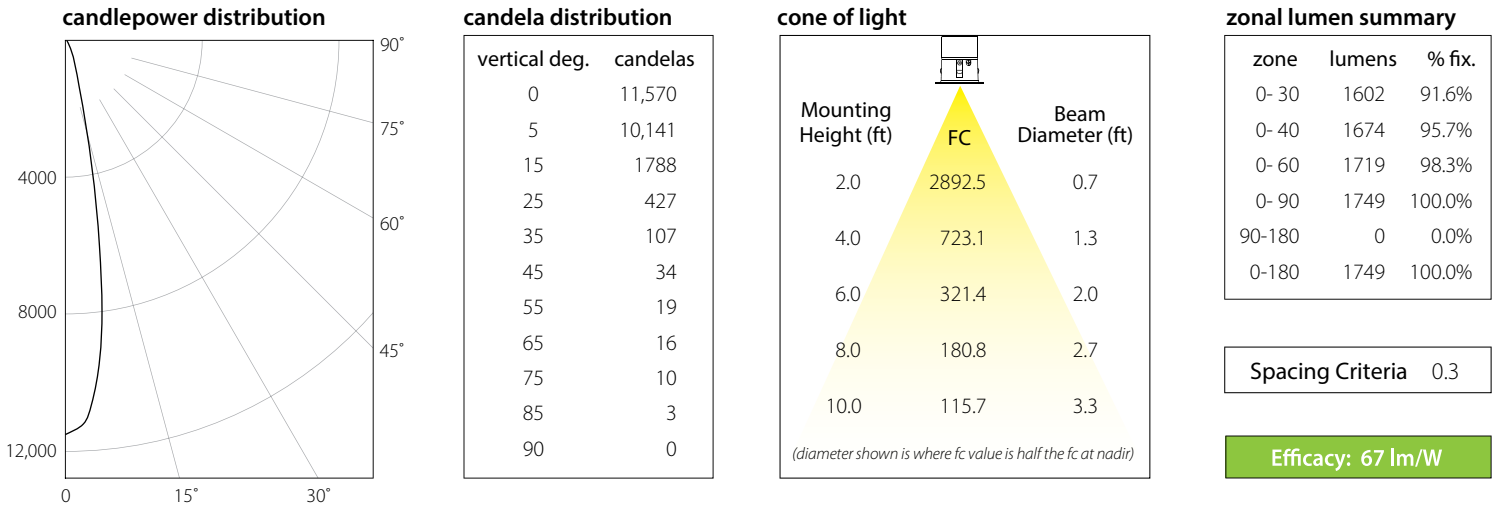
zone	lumens	% fix.
0- 30	1509	84.5%
0- 40	1691	94.6%
0- 60	1758	98.4%
0- 90	1787	100.0%
90-180	0	0.0%
0-180	1787	100.0%

Spacing Criteria 0.6

Efficacy: 69 lm/W

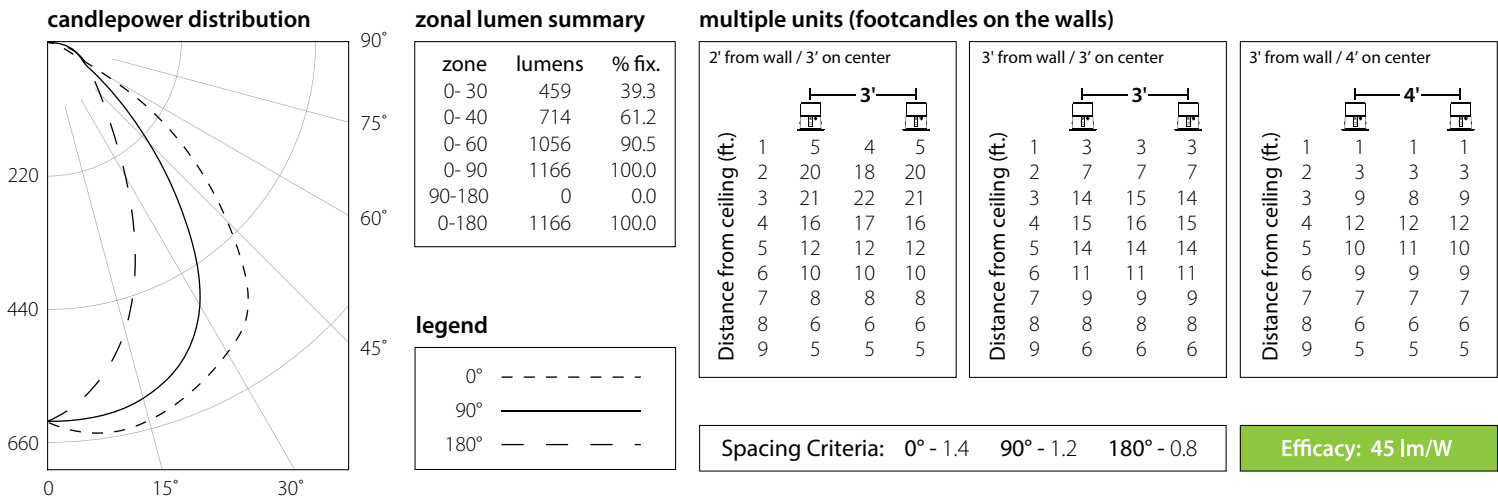
NDICLED3S-25DY + NDTRIM3S20A-W: 3" - 25W - Square - 20° Adjustable - 3000K - White Reflector

Photometric Report #RAB02829



NDICLED3S-25DY + NDTRIM3SW-W: 3" - 25W - Square - Wall Washer - 3000K - White Reflector

Photometric Report #RAB02806



Dimmer compatibility list

BRAND	MODEL	BRAND	MODEL
LUTRON	DIVA DV-603P	LEVITON	DECORA 6631-P
LUTRON	SKYLARK S-600P	LEVITON	IPI06-1LZ
LUTRON	SKYLARK SELV-300P	LEVITON	6631-2
LUTRON	RRD-8ANS-WH	LEVITON	6683-1W
LUTRON	RRD-6NA-WH	LEVITON	6633-P
LUTRON	S-603PG	LEVITON	IPE04
LUTRON	DVCL-153P	COOPER	DLC03P
LUTRON	DV600P	COOPER	SLC03P
LUTRON	DVELV303P	COOPER	DAL06P
LUTRON	SELV300P	LIGHTOLIER	ZP260QEW
LUTRON	LG600P	PASS-SEYMOUR	LEGRAND D703P

Note: This partial list contains a representative selection of known compatible dimming controls.