



3G-DZ45R

4.5" ROUND ZOIE
DOWNLIGHT



4.5" round, high performance round Zoie downlight
Regressed LED source provides maximum visual comfort, UGR <10
High gloss black or white louvers with proprietary optics and no glare
Lumen range from 1000lm to 4000lm (80+ and 90+ CRI options)
Shallow housing available along with remodel and other housing options
100-1% dimming range standard with integral driver options

PROJECT:		TYPE:		
CATALOG#:		DATE:	QTY:	
CAT. NO	LUMEN OUTPUT	CRI	COLOR TEMP	BEAM ANGLE
3G-DZ45R	10 - 1000 LUMENS 15 - 1500 LUMENS 22 - 2200 LUMENS 30 - 3000 LUMENS 40 - 4000 LUMENS ¹ Lumen outputs are delivered lumens based on 80+ CRI, 3000K source. See performance chart for all options	S80 - 80+ CRI H90 - 90+ CRI	27K - 2700K ¹ 30K - 3000K 35K - 3500K 40K - 4000K ¹	20D - 20° 40D - 40° 60D - 60°
VOLTAGE	DRIVER	FLANGE TYPE		LOUVER FINISH
UNV - 120/277V 120 - 120V 347 - 347V ²	DIM - 0-10V (STANDARD 100-1%) LE - PHASE DIM (TRIAC/ELV, 100-1%) ³ D01 - 0-10V (100-0.1%) ⁴ DALI - DALI (100-1%) ⁴ DHL2 - LUTRON HI-LUME (1% ECOSYSTEM) DMX - DMX (100-0%) ⁴	BT - BLACK TRIM WT - WHITE TRIM ST - SILVER TRIM XTR - TRIMLESS MWF - FLANGELESS (MILLWORK) ⁵		BLV - BLACK WLV - WHITE
HOUSING TYPE		OPTIONS		
RMD - REMODEL (NON-IC) NCF - NEW CONSTRUCTION FRAME (NON-IC) SH - SHALLOW HOUSING (IC RATED) ⁶ NC - NEW CONSTRUCTION HOUSING IC - NEW CONSTRUCTION IC HOUSING ⁶		CP - CHICAGO PLENUM ⁷ BH - C-CHANNEL BAR HANGERS (FOR NC & IC HOUSINGS ONLY) EMR - EMERGENCY BATTERY (REMOTE) ⁸		

¹ 4000lm not available in 90CRI. 2700K only available in 90CRI and 4000K only available in 80CRI

² 347V available in 0-10V only (100-1%)

³ Phase dimming options available in 120V only

⁴ D01, DALI and DMX available up to 3000lm. DALI-2 (Type 6) provided as standard. Consult factory for DALI Type 8 option

⁵ MWF not available with Remodel (NON-IC)

⁶ IC rated Shallow Housing & New Construction IC housing available up to 2200lm

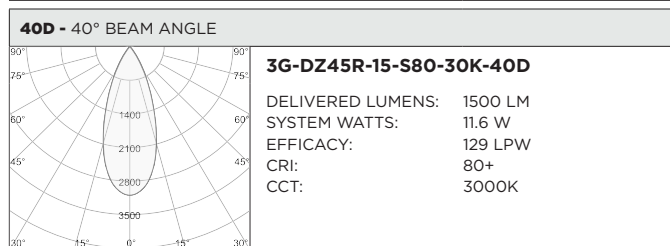
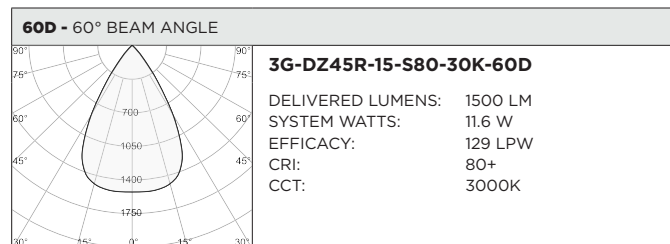
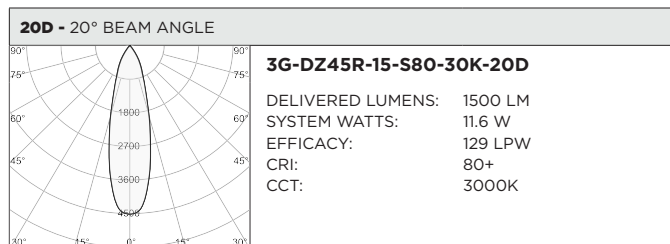
⁷ Chicago Plenum option available with Shallow Housing (2200lm max) and New Construction Housing

⁸ Emergency battery installed remotely by others. Not accessible through the inside of the fixture

BASED ON 40° BEAM ANGLE, 80CRI AND 3000K SOURCE

80+ CRI			90+ CRI		
DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	7.5	133	1000	9.3	107
1500	11.6	129	1500	14.3	105
2200	17.1	129	2200	22.0	100
3000	26.0	115	3000	33.6	89
4000	37.7	106	N/A	N/A	N/A

LUMEN OUTPUT MULTIPLIER FOR 80CRI: 27K=N/A, 30K=1.00, 35K=0.98, 40K=1.06
LUMEN OUTPUT MULTIPLIER FOR 90CRI: 27K=0.80, 30K=0.85, 35K=0.86, 40K=N/A



HOUSING

Remodel, new construction frame, shallow housing, and IC housing options available

Maximum ceiling thickness of 1.5". Consult factory for modifications

All housing options designed to be easily converted in field to trim or trimless with minimal components

Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

TRIM

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

TRIMLESS

Mudding flange features a perforated surface for easy mud-in application

Integral blocking support provided to ensure fixture is properly secured within ceiling structure

OPTICS

4.5" aperture with regressed LED source for maximum visual comfort

High gloss black or white louvers with proprietary optics and no glare

Polycarbonate multi-faceted reflectors

Available in 20°, 40° and 60°

UGR <10

WARRANTY

5 Year Warranty on LED and drivers

Manufacturer 1 Year Warranty for defects in material and workmanship under normal use

Ambient temperature at fixture should not exceed 25°C

LISTING

ETL listed and conforms to UL1598 standard. Certified to CSA22.2

No.250.0. Rated for indoor locations

ELECTRICAL

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor

120V Forward Phase/Reverse Phase driver option with 100-1% dimming range

Standard 120/277V universal voltage with several driver options

All drivers are integral and easily accessible through luminaire aperture

LED SYSTEM

Osram LED source

Color consistency <2 SDCM

80+ and 90+ CRI

Available in 27K, 30K, 35K, and 40K

L90 >60,000 hours

5 year warranty

MOUNTING

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings

Trimless fixture designed for use in drywall, mud-in ceiling applications

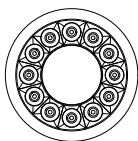
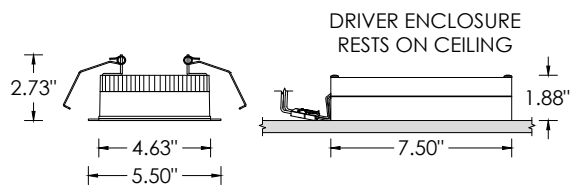
Recommended ceiling cut-out for all housing options (5 1/8" diameter).

Millwork Flangeless (4.780" diameter)

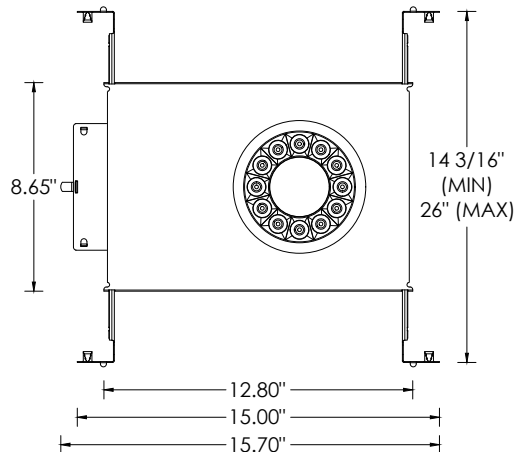
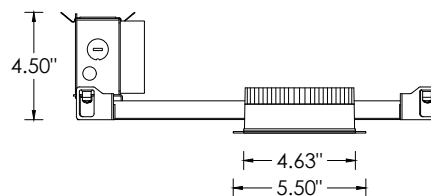
Bar hangers (14" to 26" extension) ship only with new construction frame and shallow housings

Optional C-channel bar hangers available for new construction (NC) and IC housings (IC)

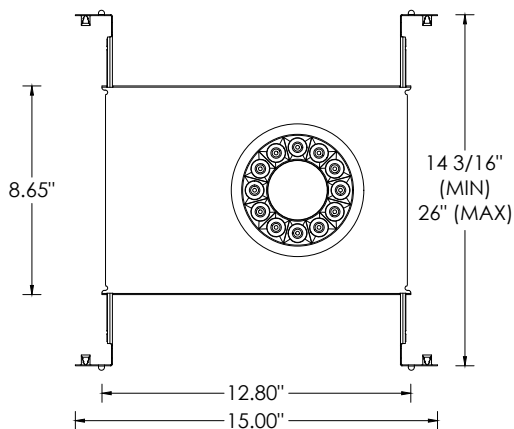
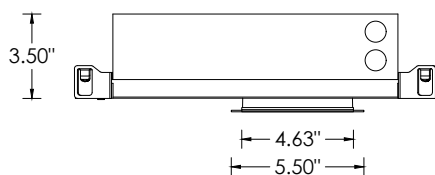
RMD - REMODEL (NON-IC)



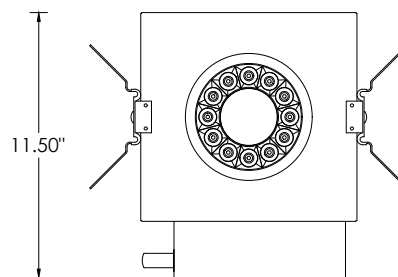
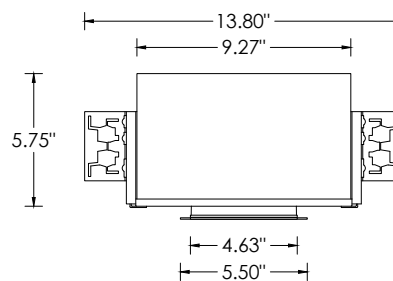
NCF - NEW CONSTRUCTION FRAME (NON-IC)



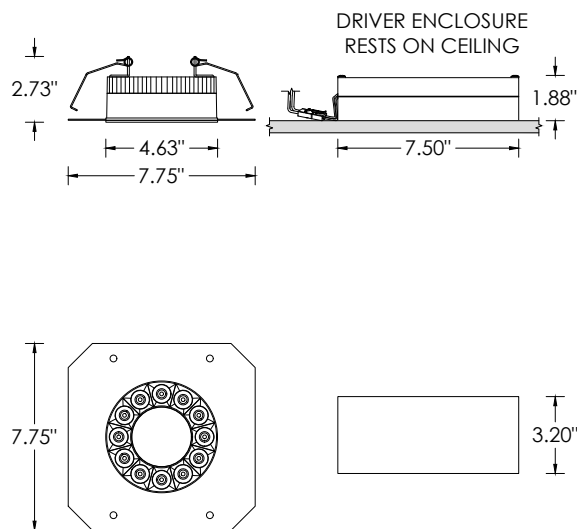
SH - SHALLOW HOUSING (IC AND CP RATED) (2200LM MAX)
(SHIPS WITH BAR HANGERS)



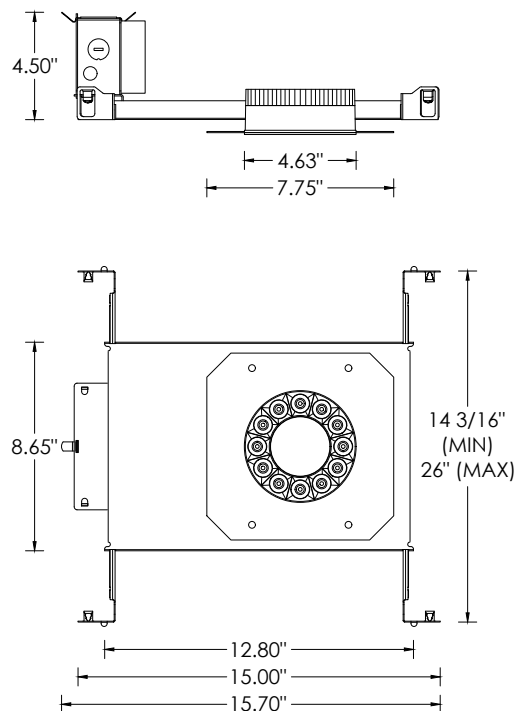
NC - NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (3000LM MAX)



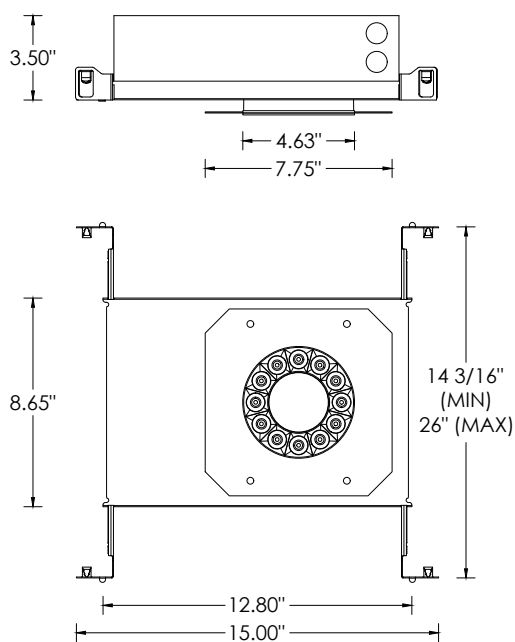
RMD - REMODEL (NON-IC)



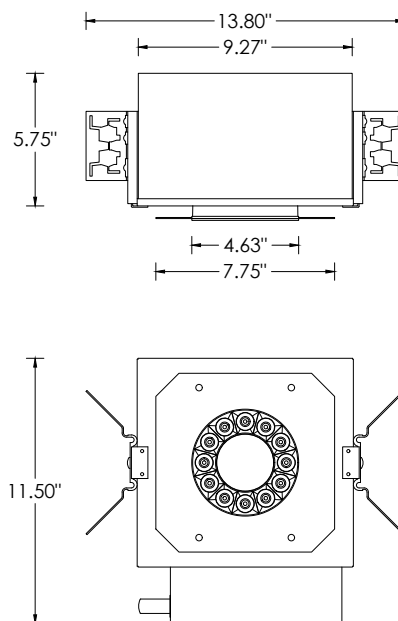
NCF - NEW CONSTRUCTION FRAME (NON-IC)



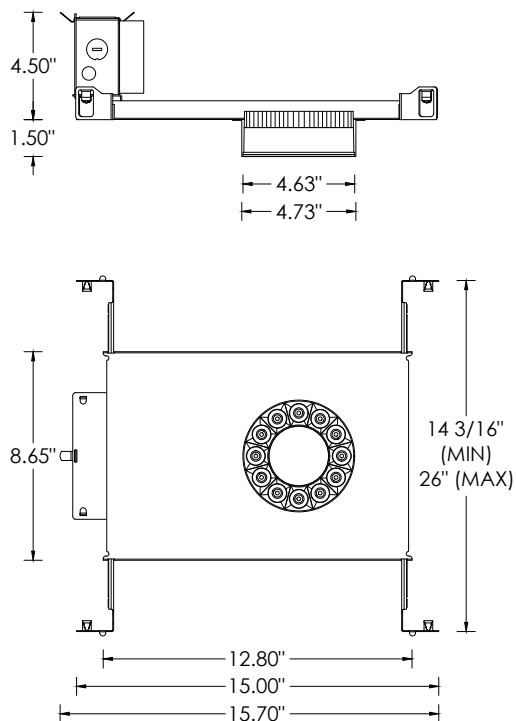
SH - SHALLOW HOUSING (IC AND CP RATED) (2200LM MAX)
(SHIPS WITH BAR HANGERS)



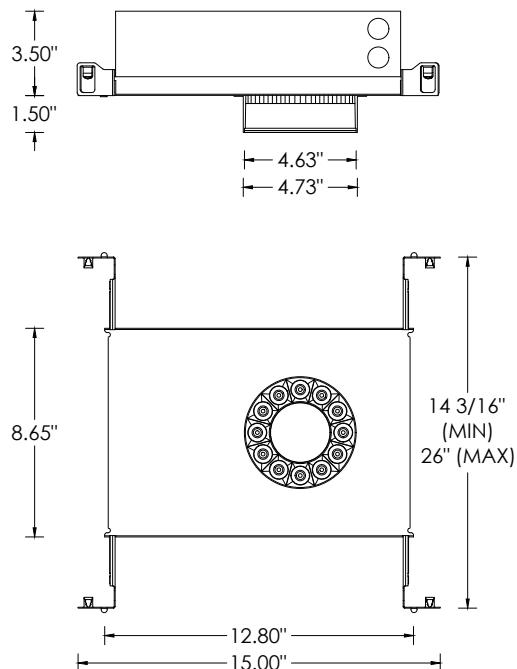
NC - NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (3000LM MAX)



NCF - NEW CONSTRUCTION FRAME (NON-IC)



**SH - SHALLOW HOUSING (IC AND CP RATED) (3000LM MAX)
(SHIPS WITH BAR HANGERS)**



NC - NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)

IC - NEW CONSTRUCTION IC HOUSING (3000LM MAX)

