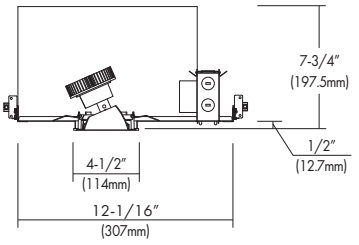
LED CONCENTRA®

ICED9535, DLED9535

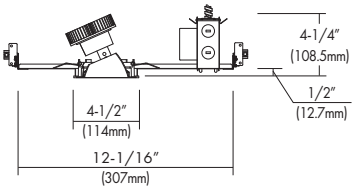
120-277 VAC, 3.5" IC and Non-IC Type LED Round Architectural Downlight

Test Specification [ICED9535-xx UZTD TML324ST-xx-830W-WHWH]			
LED Quantity	1EA (COB)		
Input Voltage	120V or 277V		
Wattage (+/-5%)	**10W**	**14W**	**23W**
Lumen (+/-5%)	845	1,187.2	2,000
Efficacy (LPW) (+/-5%)	84.5	79.2	86.9
Luminaire Beam	49°	49°	43.5°
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K		
CRI (Typical)	80, 90		
Dimming	0~10V, ELV & TRIAC Optional Lutron Drivers		
LED Module	5 yr or 50K hr		
Environment	Damp Location & optional Wet Location		

ICED9535
[IC Rated Housing]



DLED9535
[Non-IC Rated Housing]



Ceiling Cut-out : 4-1/16"(102mm)
Mounting Frame : 12-1/8"(307.3mm) x 7-5/8"(193.8mm)

Design Features

- Interchangeable reflectors to achieve different beam distributions.
- Minimum Trim reveals are 0.12" thick.
- Multiple reflector distribution patterns available: pinhole trim with Narrow Spot (NS), Narrow beam (N), Medium beam (M), and Wide beam (W).
- Designed for ceiling thickness up to 1-1/4".
- Adjustable trims allow engine to be angled 0°~30° tilt with a 356° rotation for precise, lockable aiming.
- Wall Wash trim with angled slope reflector. Molded spread lens for great uniformity.
- Dimming capability is standard with 0-10V dimmer switches.
- Optional Lutron Hi-lume A-Series, LED drivers and EcoSystem 5-Series LED drivers are available. Lutron drivers provide flicker-free, smooth, continuous dimming down to 1% for Hi-lume and 5% for EcoSystem. (Contact factory for dimming system requirements)
- The ICED9535 luminaire is listed as Type IC and is suitable for direct contact with insulation.
- Certified to IESNA LM-79: Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results. LED chip sets are in compliance with LM80.
- cETLus Listed.

Trims : Various finishes available for straight (ST), Adjustable (AJ), Adjustable Pinhole (PAJ) and wall wash (WW) down lights.

TML324RST
Straight down symmetrical reflector.

TML325RAJ
Accurate vertical & horizontal aiming through the aperture from below ceiling.

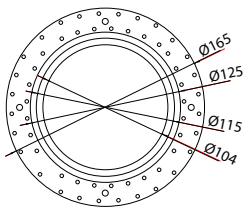
TML334PAJ
1-1/16" pinhole on surface of aperture adjustable to 30° with angle cut slope reflector.

TML325RGWW
Angle cut wall wash reflector with flood lens.

Option

TML-324-MUD

[4-1/2" Round Flangeless Mud Ring]



TEL: 856-234-2211 FAX: 856-234-0881 www.lum-tech.com

LUM-TECH LIGHTING

LED CONCENTRA®

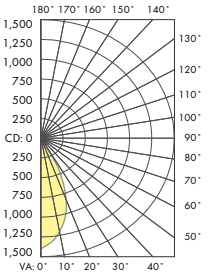
ICED9535, DLED9535

120-277 VAC, 3.5" IC and Non-IC Type LED Round Architectural Downlight

PHOTOMETRIC REPORT*

* Contact Factory for IES File

Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC	Beam Width
2.0ft	350.5 fc	1.8 ft
4.0ft	87.6 fc	3.7 ft
6.0ft	38.9 fc	5.5 ft
8.0ft	21.9 fc	7.3 ft
10.0ft	14.0 fc	9.2 ft
12.0ft	9.7 fc	11.0 ft

Beam Spread: 49°

[TML324RST-10-830W]

Ordering Information

Housing _____

ICED9535 = IC
DLED9535 = Non-IC

-Watts _____

-10 = 10W
-14 = 14W
-23 = 23W

Driver* _____

ZTD = 0~10V, ELV & Triac dimmable
(Dimming range varies from 1~10%)
L1D = Lutron 1% EcoSystem
SoftOn/FadeToBlack
L5D = Lutron 5% EcoSystem
LTE = 2-Wire 120V Lutron Dimming

**Option : Emergency (Non-IC only)* _____
-EM = Emergency Battery Backup

Voltage* _____

**IC Only*
U = 120~277V

**Non-IC Only*
1 = 120V
2 = 277V

Trim/LED Kit* _____

TML324RST = Straight
TML325RAJ = Adjustable
TML334PAJ = Pinhole Adjustable
TML325RGWW = Wall Wash

-Wattage _____

-10 = 10W
-14 = 14W
-23 = 23W

-CRI _____

-8 = 80
-9 = 90

Color Temp.** _____

27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Beam Angle _____

Upper Reflector:
NS = Narrow Spot 15˚
N = Narrow 24˚
M = Medium 38˚
W = Wide 60˚

-Finishes** _____

Reflector:
-WH = White
-HC = Haze Clear

Trim: _____
-WH = White
-BK = Black

**Option : Sealed Lens*
-WRL = Wet Location _____
-TML-324-MUD = Flangeless Mud Ring

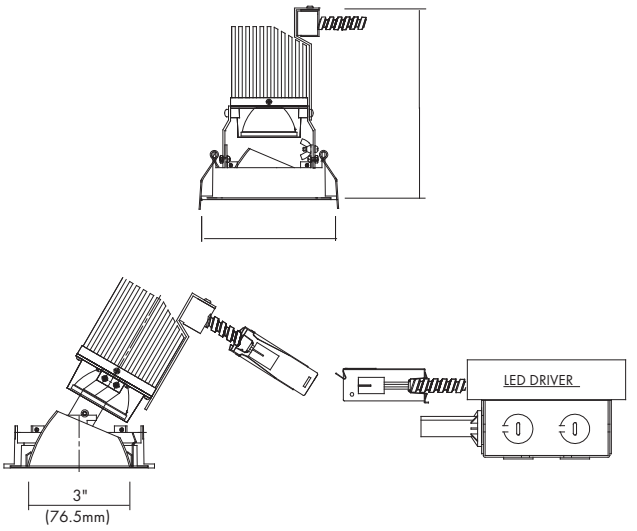
** Consult factory for other Color Temperatures and Finishes

LED CONCENTRA®

DLED9535R

120 or 277 VAC, 3.5" Non-IC Type LED Remodel/Retrofit Architectural Downlight

Test Specification [DLED9535R-xx UZTD TML324ST-xx-830W-WHWH]			
LED Quantity	1EA (COB)		
Input Voltage	120V or 277V		
Wattage (+/-5%)	**10W**	**14W**	**23W**
Lumen (+/-5%)	845	1,187.2	2,000
Efficacy (LPW) (+/-5%)	84.5	79.2	86.9
Luminaire Beam	49°	49°	43.5°
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K		
CRI (Typical)	80, 90		
Dimming	0~10V, ELV & TRIAC Optional Lutron Drivers		
LED Module	5 yr or 50K hr		
Environment	Damp Location & optional Wet Location		



Ceiling Cut-out : 4-1/16"(102mm)

Design Features

- Interchangeable reflectors to achieve different beam distributions.
- Minimum Trim reveals are 0.12" thick.
- Multiple reflector distribution patterns available: pinhole trim with Narrow Spot (NS), Narrow beam (N), Medium beam (M), and Wide beam (W).
- Designed for ceiling thickness up to 1-1/4".
- Adjustable trims allow engine to be angled 0°~30° tilt with a 356° rotation for precise, lockable aiming.
- Wall Wash trim with angled slope reflector. Molded spread lens for great uniformity.
- Dimming capability is standard with 0-10V dimmer switches.
- Optional Lutron Hi-lume A-Series, LED drivers and EcoSystem 5-Series LED drivers are available. Lutron drivers provide flicker-free, smooth, continuous dimming down to 1% for Hi-lume and 5% for EcoSystem. (Contact factory for dimming system requirements)
- Certified to IESNA LM-79: Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results. LED chip sets are in compliance with LM80.
- cETLus Listed.

Trims : Various finishes available for straight (ST), Adjustable (AJ), Adjustable Pinhole (PAJ) and wall wash (WW) down lights.

TML324RST
Straight down symmetrical reflector.

TML325RAJ
Accurate vertical & horizontal aiming through the aperture from below ceiling.

TML334PAJ
1-1/16" pinhole on surface of aperture adjustable to 30° with angle cut slope reflector.

TML325RGWW
Angle cut wall wash reflector with flood lens.

TEL: 856-234-2211 FAX: 856-234-0881 www.lum-tech.com

LUM-TECH LIGHTING

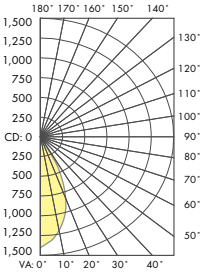
DLED9535R

120 or 277 VAC, 3.5" Non-IC Type LED Remodel/Retrofit Architectural Downlight

PHOTOMETRIC REPORT*

* Contact Factory for IES File

Polar Candela Distribution



Illuminance at a Distance

	Center Beam FC	Beam Width
2.0ft	350.5 fc	1.8 ft
4.0ft	87.6 fc	3.7 ft
6.0ft	38.9 fc	5.5 ft
8.0ft	21.9 fc	7.3 ft
10.0ft	14.0 fc	9.2 ft
12.0ft	9.7 fc	11.0 ft

Beam Spread: 49°

[TML324RST-10-830W]

Ordering Information

Housing _____

DLED9535R

-Watts _____

-10 = 10W
-14 = 14W
-23 = 23W

Driver* _____

ZTD = 0~10V, ELV & Triac dimmable
(Dimming range varies from 1~10%)
L1D = Lutron 1% EcoSystem
SoftOn/FadeToBlack
L5D = Lutron 5% EcoSystem
LTE = 2-Wire 120V Lutron Dimming

**Option : Emergency* _____
-EM = Emergency Battery Backup

Voltage* _____

1 = 120V
2 = 277V

Trim/LED Kit* _____

TML324RST = Straight
TML325RAJ = Adjustable
TML334PAJ = Pinhole Adjustable
TML325RGWW = Wall Wash

-Wattage _____

-10 = 10W
-14 = 14W
-23 = 23W

-CRI _____

-8 = 80
-9 = 90

Color Temp.** _____

27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Beam Angle _____

Upper Reflector:
NS = Narrow Spot 15˚
N = Narrow 24˚
M = Medium 38˚
W = Wide 60˚

-Finishes** _____

Reflector:
-WH = White
-HC = Haze Clear

Trim: _____
-WH = White
-BK = Black

**Option : Sealed Lens*
-WRL = Wet Location _____

** Consult factory for other Color Temperatures and Finishes