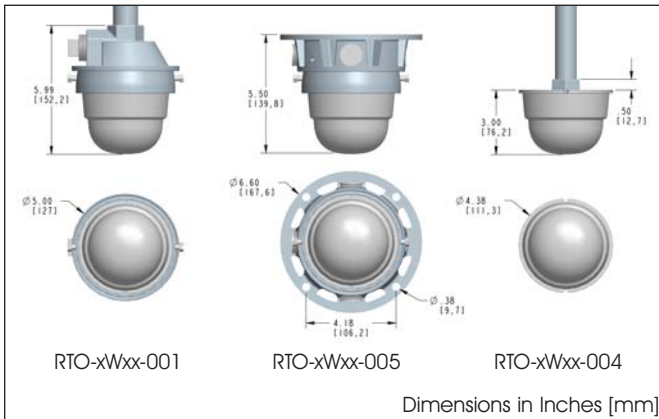




Patent Pending

SafeSite® RTO LED Area Light



Certifications & Ratings

- Class I, Div 2 Groups A,B,C,D
- Class II, Div 1 Groups E,F,G
- Class II, Div 2 Groups E,F,G
- UL 844
- UL 1598
- UL 50/E
- CSA C22.2 #250 / CSA C22.2 #13
- IP 66

Features & Benefits

- L70 rated for 100,000 hours @ 25°C ambient
- 5 year full performance warranty
- Up to 100lm/W
- Low T rating compared to traditional fixtures
- Instant on/off operation
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Factory sealed

Pendant mount with junction box

Ceiling Mount With Junction Box

Ceiling Mount With Junction Box



Conduit not supplied

Application:

Dialight introduces the new state-of-the-art fixture SafeSite® LED Downlight for hazardous location lighting. Whether your application is in a refinery, oil platform, chemical plant or any other hazardous area application, this fixture offers improved performance across the board.

All of Dialight's long life LED luminaires are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light.

Mechanical Information

Fixture Weight	
RTOxWxx001:	2.5 lbs (1.13 kg)
RTOxWxx005:	3.2 lbs (1.45 kg)
RTOxWxx004:	0.8 lbs (0.36 Kg)

Shipping Weight	
RTOxWxx001:	3.0 lbs (1.36 kg)
RTOxWxx005:	4.5 lbs (2.04 kg)
RTOxWxx004:	1.4 lbs (0.64 Kg)

Mounting	
Pendant Mount:	1" & 3/4" NPT reducer bi-directional mounting
Ceiling Mount:	3/4" NPT 5-way surface mounting
Pendant Mount:	3/4" NPT threaded conduit

Electrical specifications

Operating Voltage:	100 - 277V AC, 50/60 Hz or 12 - 48V DC
Power Consumption:	8W
Operating Temp:	-40°F to +133°F (-40°C to +55°C)
Noise Requirements/ EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge Protection:	1 kV line to line 2 kV line to ground
THD:	<20%
Power Factor:	> 0.9

Construction

Housing:	Powder coated aluminum
Finish:	Polyester / epoxy powder coat gray RAL 7040 for superior corrosion resistance
Lens:	UV stabilized abrasion resistant polycarbonate

Photometric Information

CRI:	70
CCT:	6,000K (cool white)
IES Files:	Available upon request

All values typical unless otherwise state
All Lumen values are typical (tolerance +/- 10%)

Temperature Ratings

Ambient Temperature Range
T3C Temperature Code



-40°F to +131°F (-40°C to +55°C)

SafeSite® RTO LED Area Light

Ordering Information

Part Number	CID2	CID1	CIID2	Voltage	Mounting	CCT	Lumens	Wattage	LPW
Class I, Div 2 Fixtures									
RTO2W17001	•			100 - 277V AC	Pendant Mount with Junction Box	Cool White	800	8	100
RTO2W17005	•			100 - 277V AC	Ceiling Mount with Junction Box	Cool White	800	8	100
RTO2W17004	•			100 - 277V AC	Pendant Mount	Cool White	800	8	100
RTO2W07001	•			100 - 277V AC	Pendant Mount with Junction Box	Cool White	470	8	59
RTO2W07005	•			100 - 277V AC	Ceiling Mount with Junction Box	Cool White	470	8	59
RTO2W07004	•			100 - 277V AC	Pendant Mount	Cool White	470	8	59
RTO2W18001	•			12 - 48V DC	Pendant Mount with Junction Box	Cool White	800	8	100
RTO2W18005	•			12 - 48V DC	Ceiling Mount with Junction Box	Cool White	800	8	100
RTO2W18004	•			12 - 48V DC	Pendant Mount	Cool White	800	8	100
RTO2W08001	•			12 - 48V DC	Pendant Mount with Junction Box	Cool White	470	8	59
RTO2W08005	•			12 - 48V DC	Ceiling Mount with Junction Box	Cool White	470	8	59
RTO2W08004	•			12 - 48V DC	Pendant Mount	Cool White	470	8	59
Class II, Div 1 / Class II, Div 2 Fixtures									
RTODW17001	•	•	•	100 - 277V AC	Pendant Mount with Junction Box	Cool White	800	8	100
RTODW17005	•	•	•	100 - 277V AC	Ceiling Mount with Junction Box	Cool White	800	8	100
RTODW17004	•	•	•	100 - 277V AC	Pendant Mount	Cool White	800	8	100
RTODW07001	•	•	•	100 - 277V AC	Pendant Mount with Junction Box	Cool White	470	8	59
RTODW07005	•	•	•	100 - 277V AC	Ceiling Mount with Junction Box	Cool White	470	8	59
RTODW07004	•	•	•	100 - 277V AC	Pendant Mount	Cool White	470	8	59
RTODW18001	•	•	•	12 - 48V DC	Pendant Mount with Junction Box	Cool White	800	8	100
RTODW18005	•	•	•	12 - 48V DC	Ceiling Mount with Junction Box	Cool White	800	8	100
RTODW18004	•	•	•	12 - 48V DC	Pendant Mount	Cool White	800	8	100
RTODW08001	•	•	•	12 - 48V DC	Pendant Mount with Junction Box	Cool White	470	8	59
RTODW08005	•	•	•	12 - 48V DC	Ceiling Mount with Junction Box	Cool White	470	8	59
RTODW08004	•	•	•	12 - 48V DC	Pendant Mount	Cool White	470	8	59

Accessory Mounting Kits

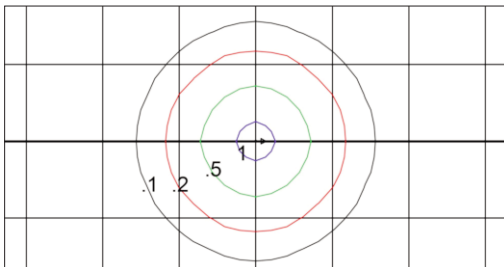
	Part Number	Description	Kit Includes
	RTO1000	Flush Wall Mount	Wall mount Conduit
	RTO1001	Junction Box Wall Mount	Junction box mounting hardware

Mounting Height

Lumens	Wattage	lm/W	Mounting Heights
800	8	100	15'
470	8	59	8'

Mounting Height

Iso-Illuminance
RTOxW1700x

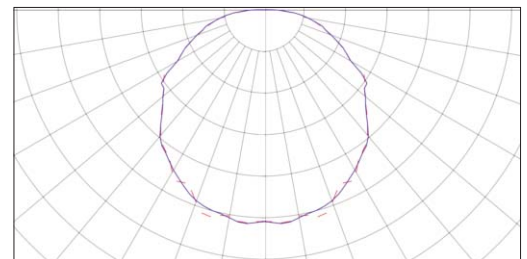


Examples shown is mounted at 15ft
Distance of grid is equal to Mounting Height

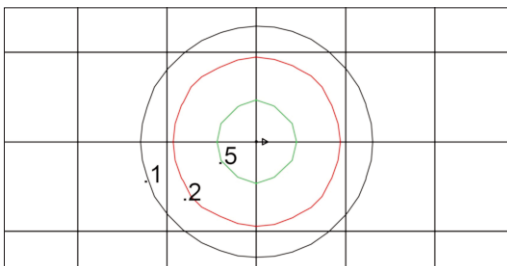
800lm Models

Mounting Height	Multiplier
10	2.250
15	1.000

Candela Plots
RTOxW1700x



RTO0W0700x

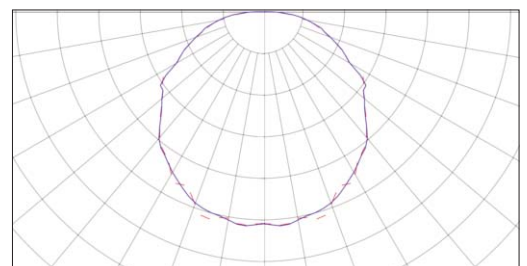


Examples shown is mounted at 15ft
Distance of grid is equal to Mounting Height

470lm Models

Mounting Height	Multiplier
10	2.250
15	1.000

RTO0W0700x



Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.dialight.com/Assets/Brochures_And_Catalogs/Illumination/MDTFSSWRTOX001.pdf

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