



# RDI QS LED



LED INDOOR

## APPLICATION

This attractive recessed fixture with a symmetric center basket provides soft ambient in direct and indirect lighting. High performance of direct and indirect lighting fixture reduces shadows and glare by combining aesthetically pleasing reflect lights. It is an excellent choice for modern office environments, classrooms, hospitals and retail spaces.

### FEATURES:

- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- White powder coated housing with frosted acrylic ribbed diffuser center baskets and reflector.
- Slope side softly reflect light back downwards.
- Smooth edges for easy handling.
- T-bar safety clips are standard.
- Reflectors were finished in textured matte white powder coated paint for uniform light distribution and over rust inhibiting phosphate coating for maximum corrosion resistance.

### SHIELDING:

- Available in frosted acrylic ribbed diffuser or white metal round holes (perforation) with white acrylic overlay.
- For higher lumen requirement, use DF2.
- Toolless.

### MOUNTING:

- Recessed mount in expose T-bar ceilings, Internal T-bar safety clips.
- Field installed flange kits are available.
- Suitable for direct insulation contact.

### LED:

- High quality array LEDs.
- LM80.
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Reported L70 +60,000 hours at 55°C
- Service life: 100,000 hours

### ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class 1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : Non-dimming (GR).
- Minimum starting temperature: -4°F (-20°C) ~ 122°F (50°C).
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

### LISTING:

- UL/CUL listed and labeled.
- Suitable for damp locations.
- IC Rated.
- CEC Compliant EM (please contact for more information)
- ARRA compliant. (optional)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) <sup>2</sup>

CONFIGURATIONS					
Catalog No. #	Input Watts	Lumen Output (DF1)	Lumen Output (DF2)	Lumen Efficiency (DF1/DF2)	Equivalent
RDI-12-18L/50-UNV-DM	21W	1066 lm	1656 lm	50.8 lm/W / 78.9 lm/W	2L 17W T8
RDI-12-36L/50-UNV-DM	42W	1839 lm	3313 lm	43.8lm/W / 78.9 lm/W	2L 32W T8
RDI-14-36L/50-UNV-DM	42W	2133 lm	3313 lm	50.8 lm/W / 78.9 lm/W	2L 32W T8
RDI-14-44L/50-UNV-DM	51W	2235 lm	4023 lm	43.8lm/W / 78.9 lm/W	2L 32W T8
RDI-14-54L/50-UNV-DM	61W	3161 lm	4893 lm	51.6 lm/W / 79.8 lm/W	3L 32W T8
RDI-22-27L/50-UNV-DM	34W	1727 lm	2682 lm	50.8 lm/W / 78.9 lm/W	3L 17W T8
RDI-22-36L/50-UNV-DM	42W	2133 lm	3313 lm	50.8 lm/W / 78.9 lm/W	2L 32W T8
RDI-22-44L/50-UNV-DM	51W	2235 lm	4023 lm	43.8lm/W / 78.9 lm/W	2L 32W T8
RDI-22-54L/50-UNV-DM	61W	3161 lm	4893 lm	51.6 lm/W / 78.9 lm/W	3L 32W T8
RDI-24-36L/50-UNV-DM	42W	2133 lm	3313 lm	50.8 lm/W / 78.9 lm/W	2L 32W T8
RDI-24-44L/50-UNV-DM	51W	2235 lm	4023 lm	43.8lm/W / 78.9 lm/W	2L 32W T8
RDI-24-54L/50-UNV-DM	61W	3161 lm	4893 lm	51.6 lm/W / 78.9 lm/W	3L 32W T8
RDI-24-68L/50-UNV-DM	79W	3454 lm	6233 lm	43.8lm/W / 78.9 lm/W	4L 32W T8

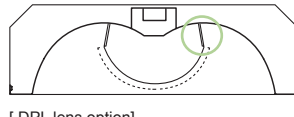
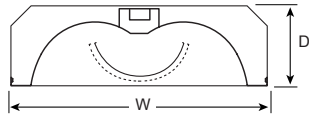
: Based on 5000K.

\* If you want other specific kind, please contact us.

APPROVED DIMMER SWITCH (Table 1)		
	MANUFACTURER	MANUFACTURER PART #
GR	LUTRON	NTSTV-DV
	LEVITON	IP710-DLZ
PH	LUTRON	Nova: NFTV- dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCSTV-dimmer, plus PP-DV relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS with EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface PowPak: RMJ-5T
	LEVITON	Leviton: IP710-LFZ
	PHILIPS	Sunrise - SR1200ZTUNV
OS, OS1	OSRAM	ZBHA-CLM DIM (NAED:45678)
	ENCELIUM EMS	EN-LCM-1R10V-GB2-BK
		EN-LCM-1R10V-GB2-BK/DR
		EN-ALC-1R10V-GB2-BK
		EN-ALC-1R10V-GB2-BK-DR
	LEVITON	IP710-DLX
	LUTRON	DVTV-XX
	WATTSTOPPER	ADF-120277
	SYNERGY LIGHTING CONTROLS	ISD BC
	WATTSTOPPER	FD-301
WATTSTOPPER	FSP-202	
ENLIGHTED INC.	SU-3E-00 (Enlighted Compact Sensor)	

OUTPUT CURRENT					
		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

# LED RECESSED DIRECT/INDIRECT CENTER BASKET



[ DPL lens option ]

[w/ sensor]

**Specifications: 1'x2'**

Length: 23-3/4 (603)  
Width: 11-15/16 (303)  
Depth: 5-1/2 (140)  
Weight: 11.97 lbs (5.43 kg)

**Specifications: 1'x4'**

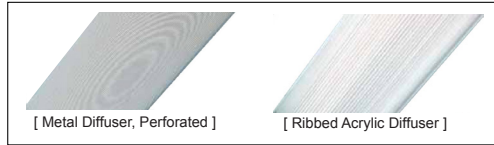
Length: 47-3/4 (1213)  
Width: 11-15/16 (303)  
Depth: 5-1/2 (140)  
Weight: 17.48 lbs (7.93 kg)

**Specifications: 2'x2'**

Length: 23-3/4 (603)  
Width: 23-15/16 (608)  
Depth: 5-1/2 (140)  
Weight: 16.38 lbs (7.43 kg)

**Specifications: 2'x4'**

Length: 47-3/4 (1213)  
Width: 23-15/16 (608)  
Depth: 5-1/2 (140)  
Weight: 24.10 lbs (10.93 kg)



[ Metal Diffuser, Perforated ]

[ Ribbed Acrylic Diffuser ]

All dimensions are in inches (millimeters).

## ORDERING INFORMATION

EXAMPLE: RDI-24-QS36L/40-DF2-UNV

MODEL	SIZE	LED	COLOR TEMP.	CRI	AIR FUNCTION		
RDI	12	1' x 2'	QS 18L	18W LED	/27 2700K <sup>8</sup> /30 3000K /35 3500K /40 4000K /50 5000K	(Blank) 80+ CRI C9 90+ CRI <sup>9</sup>	(Blank) Non Air Supply (Std.)
			QS 36L	36W LED			
			QS 44L	44W LED <sup>7</sup>			
	14	1' x 4'	QS 36L	36W LED			
			QS 44L	44W LED <sup>7</sup>			
			QS 54L	54W LED			
			QS 44L	44W LED <sup>7</sup>			
	22	2' x 2'	QS 27L	27W LED			
			QS 36L	36W LED			
			QS 44L	44W LED <sup>7</sup>			
			QS 54L	54W LED			
	24	2' x 4'	QS 36L	36W LED			
QS 44L			44W LED <sup>7</sup>				
QS 54L			54W LED				
QS 68L			68W LED <sup>7</sup>				

\* Contact factory for custom wattage or lumen requirement.

TRIM TYPE	DIFFUSER TYPE	VOLTAGE	LED DRIVER
(Blank) FK	Grid Flange <sup>1</sup>	UNV 120-277V (Std.) 120 120V 277 277V 347 347V	GR Generic, Non-dimming PH Philips Xitanium, 0-10V 1% dim <sup>6</sup> OS Osram Optotronic, 0-10V 10% dim <sup>6</sup> OS1 Osram Optotronic, 0-10V 1% dim <sup>6</sup> SD40 40% / 100% Bi-Level Step dim (PH only) SDXX XX% / 100% Bi-Level Step dim (Specify XX: 10% ~ 70%) (PH only) TD30/70 30% / 70% / 100% Tri-Level Step dim (PH only) TDXX/YY XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY: 10% ~ 70%) (PH only) ES566 Eldo SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim LDE5 5-Series EcoSystem LED driver, 100% ~ 5% dim LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim L3D 1%, Lutron, 3 Wire PHSR Philips Xitanium Sensor-Ready, Dali 5%~100% dim.

## OPTIONS

EMG5	5W EM Battery Backup (CEC Compliant EM) <sup>5</sup>	AMS	Occupancy Sensor w/ Daylight Harvesting <sup>3</sup>
EMG8	8W EM Battery Backup (CEC Compliant EM) <sup>5</sup>	DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control) <sup>3</sup>
EMG16	16W EM Battery Backup (CEC Compliant EM) <sup>5</sup>	SO	Dimming Wires connected to Sensor Only <sup>4</sup>
ELCU-200	Fail-to-on Emergency lighting, UL924 <sup>11</sup>	LSR-301-S	Setup Remote Control for DPMS
PW6	Pre-wired 6' Whip Flex #18/3	LSR-301-P	Occupant Remote Control for DPMS
DPL	Dust/Bug Proof Clear Acrylic Lens <sup>10</sup>	O7W	Optional 7 Years Limited Warranty <sup>2</sup>
ARRA	Assembled in USA for Buy American act	O10W	Optional 10 Years Limited Warranty <sup>2</sup>

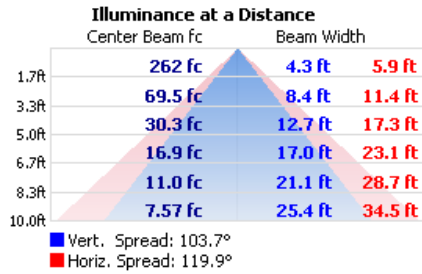
## LIGHTING CONTROL SYSTEM

	<Lutron Vive System Enabled>
VRF	DFCSJ-OEM-RF, Vive Integral fixture control (RF only, for Lutron EcoSystem drivers or Philips SR driver)
FCJS0	FCJS-010, Vive Attached fixture control (RF only for 0-10V drivers), (N/A with GR driver)
FCJSE	FCJS-ECO, Vive Attached fixture control (RF only for Lutron EcoSystem drivers)
FCJS0EM	FCJS-010-EM, UL 924 Emergency (Must be ordered with FCJS-010)
FCJSEEM	FCJS-ECO-EM, UL 924 Emergency (Must be ordered with FCJS-ECO)

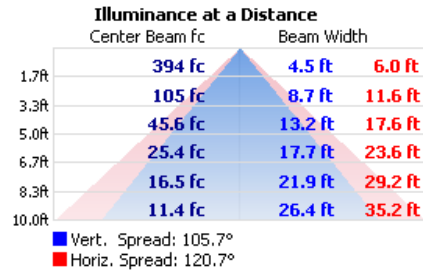
### NOTES:

- Flange kits are supplied in separate boxes, field installed.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
- Provided dimming wires for sensor and dimmer switch as a standard. Dimmer switch provided by others.
- Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
- Contact factory for other emergency ballast options.
- To find an approved dimmer switch, please see table 1.
- Not available with GR driver.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Available with DF1 option only. (or a combination of DF2 and DF5)
- Shipped separately.

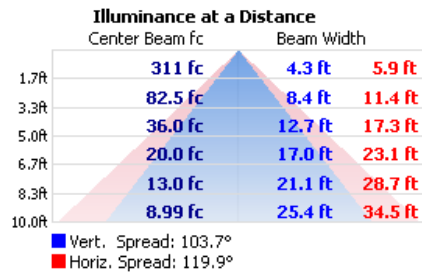
RDI-14-QS36L-DF1



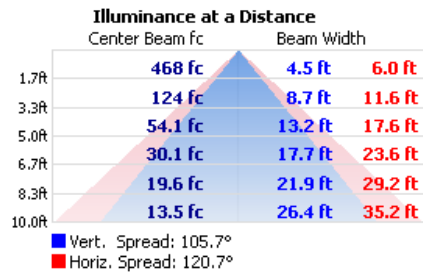
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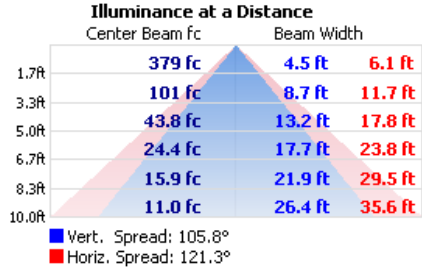
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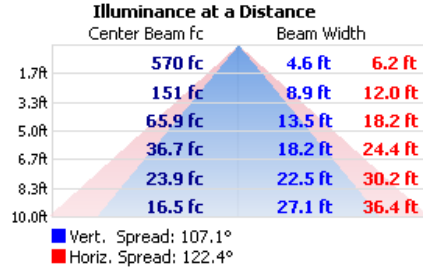
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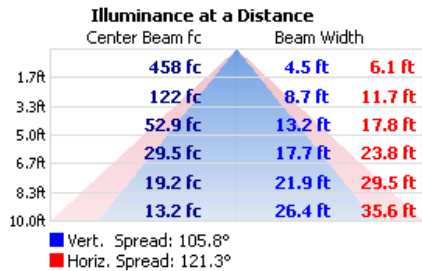
RDI-24-QS54L-DF1



RDI-24-QS54L-DF2



RDI-24-QS68L-DF1



RDI-24-QS68L-DF2

