

# RL SERIES

EXPANDED CAPABILITIES

Cat. #		Approvals
Job	Type	



### INTENDED USE

Luminaires are designed to illuminate roadways, parking and other area lighting applications.

### CONSTRUCTION

Housing and doors are die-cast aluminum and provided with protective powder paint finishes. Fixtures are a two door design allowing independent access to either optical or electrical compartments. Options allow either a UL or non-UL construction on most units.

### OPTICS

Units are available in Type II and Type III distributions except as noted. Drop refractor units are Semi-cutoff or non-cutoff while flat glass versions are full cutoff. Units can be field adjusted to other distributions from the factory set position should a job site correction be determined.

### LENS

A choice of lens is available: Drop borosilicate glass refractor or flat tempered, impact resistant glass. Units can be provided with a felt lens/reflector seal or with silicone gasket including a charcoal filter breather.

### ELECTRICAL

The RL unit has a ballast range from 200 to 400w. See ordering information for possible selections. Systems include pulse start metal halide, CWA HPS and Mag Reg HPS. Wattage/voltage combinations vary so refer to the ordering information for proper selection. Ballasts are all HPF and include tool-free removable starting aids.

### INSTALLATION

RL units have a twin clamping design with center fulcrum to provide + or - 5 degree leveling capability and four bolt tightening for a secure fit over 2-3/8" or 1-5/8" OD arms or horizontal tenon. A bird shield is standard that fits both size arms. Door mounted ballasts can be an important installation and service feature. The door can be removed reducing the weight of the fixture housing assembly and easing installation or removed so electrical replacement can be handled on the ground.

### LISTINGS

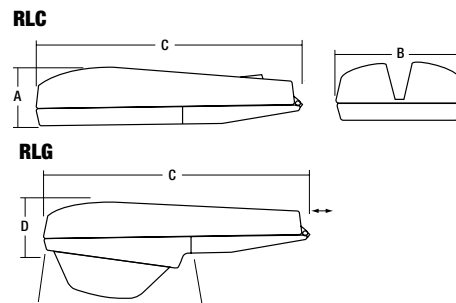
A choice of independent certification to UL1598 and CSA is available if desired.

### WARRANTY

Luminaires carry a one year limited warranty from date of shipment.



	A	B	C	D
<b>RLC</b>	8 <sup>1</sup> / <sub>4</sub> "	15 <sup>3</sup> / <sub>4</sub> "	36 <sup>3</sup> / <sub>4</sub> "	-
<b>full cutoff</b>	210 mm	400 mm	933 mm	-
<b>RLG</b>	-	15 <sup>3</sup> / <sub>4</sub> "	36 <sup>3</sup> / <sub>4</sub> "	14 <sup>3</sup> / <sub>4</sub> "
	-	400 mm	933 mm	375 mm

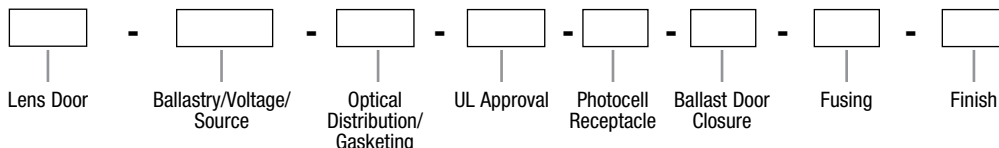


12" Minimum (305mm) distance for door removal (cutoff & refractor unit)



## ORDERING INFORMATION

ORDERING EXAMPLE: RLGD-40P35-021-0-A-5-FO-M51



### LENS DOOR

<b>RLGT</b>	Glass Refractor - top mounted ballast
<b>RLGD</b>	Glass Refractor - door mounted ballast
<b>RLCD<sup>5</sup></b>	Cut-off - door mounted ballast
<b>RLCT<sup>5</sup></b>	Cut-off - top mounted ballast

### BALLASTRY/VOLTAGE/SOURCE<sup>1,3</sup>

PULSE START	
<b>40P35</b>	400w PSMH, 480V
<b>40P38</b>	400w PSMH, Quad-Tap <sup>®</sup>
<b>32P35</b>	320w PSMH, 480V
<b>32P38</b>	320w PSMH, Quad-Tap <sup>®</sup>
CWA HPS	
<b>20S35</b>	200w AR HPS, 480V
<b>20S38</b>	200w AR HPS, Quad-Tap <sup>®</sup>
<b>25S35</b>	250w AR HPS, 480V
<b>25S38</b>	250w AR HPS, Quad-Tap <sup>®</sup>
<b>40S35</b>	400w AR HPS, 480V
<b>40S38</b>	400w AR HPS, Quad-Tap <sup>®</sup>
MAG REG HPS	
<b>20S7A</b>	200w MR 120, 240, 277V HPS
<b>20S7B</b>	200w MR 240, 277, 347, 480V HPS
<b>25S7A</b>	250w MR 120, 240, 277V HPS
<b>25S7B</b>	250w MR 240, 277, 347, 480V HPS
<b>31S7A</b>	310w MR 120, 240, 277V HPS
<b>31S7B</b>	310w MR 240, 277, 347, 480V HPS
<b>40S7A</b>	400w MR 120, 240, 277V HPS
<b>40S7B</b>	400w MR 240, 277, 347, 480V HPS

### OPTICAL DISTRIBUTION/GASKETING

<b>021</b>	MC II Felt (cutoff only)
<b>022</b>	MC II Silicone/CFB (cutoff only)
<b>031</b>	MC III Felt (cutoff only)
<b>032</b>	MC III Silicone/CFB (cutoff only)
<b>061</b>	MS II Felt
<b>062</b>	MS II Silicone/CFB
<b>071</b>	MS III Felt
<b>072</b>	MS III Silicone/CFB
<b>111</b>	MN III Felt (HPS only)
<b>112</b>	MN III Silicone/CFB (HPS only)
<b>351</b>	MN II Felt (MH only)
<b>352</b>	MN II Silicone/CFB (MH only)
<b>362</b>	MN III Silicone/CFB (MH only)

### PHOTOCELL RECEPTACLE

<b>A<sup>4</sup></b>	PCR 240V
<b>2<sup>4</sup></b>	None
<b>3<sup>2,4</sup></b>	With PCR

### BALLAST DOOR CLOSURE

<b>5</b>	Screw and Latch
<b>6</b>	Screw only

### FUSING

<b>F0</b>	None
<b>F1</b>	120V
<b>F2</b>	208V
<b>F3</b>	240V
<b>F4</b>	277V
<b>F5</b>	480V

### UL APPROVAL

<b>0</b>	None
<b>1</b>	UL Listed

### FINISH

<b>M51</b>	Bronze
<b>M53</b>	Gray

1 50 Hz ballastry available, consult factory  
 2 PCR wired to highest voltage tap of ballast, i.e.: Quad-Tap at 277V. PCR will accept 120 through 480V  
 3 Ballastry Legend - PSMH = Pulse Start Metal Halide; AR= Auto Reg. MR = Mag Reg  
 4 PTL photocontrol or PSC shorting cap ordered separately  
 5 ICA compliant  
 NOTE: All units have Mogul base sockets

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



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For more information visit our web site: [www.hubbelloutdoor.com](http://www.hubbelloutdoor.com)