



3 1/2" 300 SERIES


LEDR315

SQUARE RECESSED DOWNLIGHT WITH SQUARE PINHOLE

PATENT PENDING

 **YES**
Damp Location

 **2700 K 18W MAX 4000 K 15W MAX**
3000 K 18W MAX
LED


 **S = SPOT** → **15° to 25°**
Refer to photometric data for more details.
BEAM


Standard : Aluminium anodised
Also available :


Anodised	Specular	Painted
Azur (AZ)	Champagne (CH)	White (-01)
Burnt Orange (BO)	Clear (CL)	Black (-02)
Cobalt blue (CB)	Black (BK)	Matte white (-11)
Inca gold (IG)		
Ruby (RU)		


Reflector

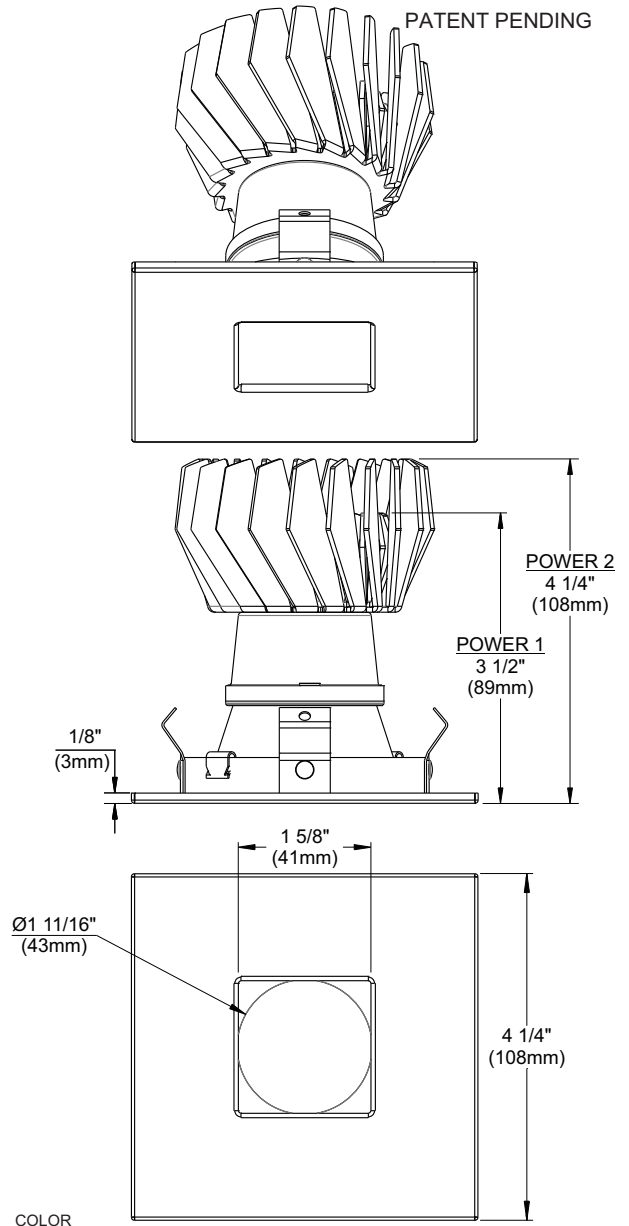
To order a **white trim** with a **standard reflector** :
LEDR315-013V1
To order a **white trim** with a **smooth azur reflector** :
LEDR315-01AZ3V1

 **New construction housing**
NWLED300LU1, NWLED300LU2

 **Remodel housing**
RELED300LU1, RELED300LU2

 **"IC" housing**
ISLED300U1, ISLED300LU2

 **Standard : Clear lens**
LENSES



COMPATIBLE HOUSINGS

12W MAX	18W MAX
NWLED300LU1	NWLED300LU2
RELED300LU1	RELED300LU2
ISLED300U1	ISLED300LU2

CODIFICATION

Ex: LEDR315-01MGAZ3V1

MODEL	LENS	FINISHES	MARINE GRADE	REFLECTOR	COLOR TEMPERATURE	BEAM	POWER
LEDR315		-01	MG	AZ	3	V	1
	... Clear (standard)	-01 WHITE -02 BLACK -03 24K GOLD -04 CHROME -04BR BRUSHED CHROME -05 ARCHITECTURAL BRONZE -06 ANTIQUE COPPER -08 ANTIQUE SILVER -11 MATTE WHITE -12BR BRUSHED NICKEL -13 SATIN NICKEL -14 ALMOND -15 METALLIC GREY -16 SATIN CHROME	optional	... Aluminium Anodised (standard) 01 · White 02 · Black 11 · Mat White AZ · Azur BK · Black BO · Burnt Orange CB · Cobalt Blue CH · Champagne CL · Clear IG Inca Gold RU Ruby	2 ······ 2700 K 3 ······ 3000 K 4 ······ 4000 K	S ····· spot	1 ··· 12 Watts 2 ··· 18 Watts 1 ··· 12 Watts 2 ··· 18 Watts 1 ··· 10 Watts 2 ··· 15 Watts

MARINE GRADE - Unless otherwise indicated, trims are for **interior use only**.
"MARINE GRADE" treatment is available for finishes -01, -02, -05, -06, -11, -14 and -15 only.



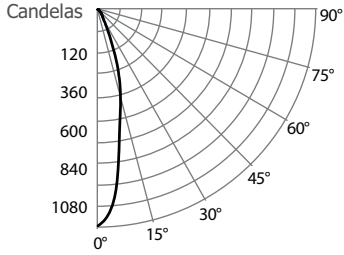
Project _____

Representative _____

Photometric Data

Configuration #5 : 3S1 : LED Power 1, Spot Beam, 3000 K (For 2700 K, reduce lumens by 8%)

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	32.5	2.7'
08'	18.3	3.6'
10'	11.7	4.6'
12'	8.1	5.5'
14'	6.0	6.4'
16'	4.6	7.3'
18'	3.6	8.2'
20'	2.9	9.1'

Beam : 26°
Beam Edge defined as 50% of Maximum Nadir Candlepower

LUMINAIRE

LED Power 1	2700 K/3000 K Spot Beam
Equivalent Bulbs	20W MR16 35W PAR20
CBCP / Lumens	1169 / 384
Input Watts	120V 277V 12W 12W
Operating AMPS	0.10A 0.04A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	Over 90
Lumen/Watt	32
Spacing Criteria	0.41
Certificate LM-79-08	S1103171 & L1103162

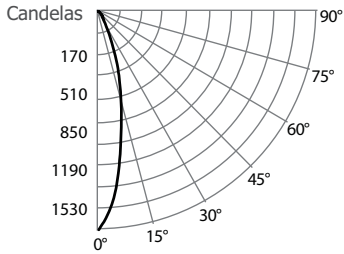
COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30	50	30	
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR	0	119119	111111	106106	2	104100	9996	9694	
	4	9388	9086	8884	6	8479	8278	8177	
	8	7772	7671	7571	10	7166	7066	6965	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

Configuration #5 : 3S2 : LED Power 2, Spot Beam, 3000 K (For 2700 K, reduce lumens by 8%)

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	45.8	2.7'
08'	25.8	3.7'
10'	16.5	4.6'
12'	11.4	5.5'
14'	8.4	6.4'
16'	6.4	7.3'
18'	5.1	8.2'
20'	4.1	9.2'

Beam : 26°
Beam Edge defined as 50% of Maximum Nadir Candlepower

LUMINAIRE

LED Power 2	2700 K/3000 K Spot Beam
Equivalent Bulbs	35W MR16 50W PAR20
CBCP / Lumens	1648 / 535
Input Watts	120V 277V 18W 18W
Operating AMPS	0.15A 0.07A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	Over 90
Lumen/Watt	30
Spacing Criteria	0.42
Certificate LM-79-08	S1103173 & L1103165

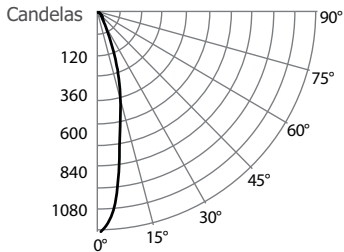
COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30	50	30	
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR	0	119119	111111	106106	2	104100	9996	9694	
	4	9388	9086	8884	6	8479	8277	8077	
	8	7772	7571	7470	10	7166	7065	6965	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

Configuration #5 : 4S1 : LED Power 1, Spot Beam, 4000 K

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	33.2	2.6'
08'	18.7	3.4'
10'	11.9	4.3'
12'	8.3	5.2'
14'	6.1	6.0'
16'	4.7	6.9'
18'	3.7	7.8'
20'	3.0	8.6'

Beam : 24°
Beam Edge defined as 50% of Maximum Nadir Candlepower

LUMINAIRE

LED Power 1	4000 K Spot Beam
Equivalent Bulbs	20W MR16 35W PAR20
CBCP / Lumens	1194 / 368
Input Watts	120V 277V 10W 10W
Operating AMPS	0.08A 0.04A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	Over 80
Lumen/Watt	37
Spacing Criteria	0.39
Certificate LM-79-08	S1103172 & L1103164

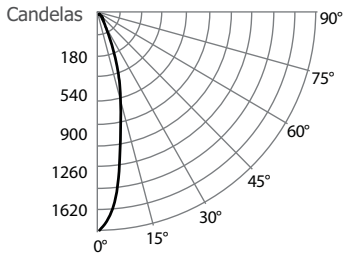
COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30	50	30	
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR	0	119119	111111	106106	2	104101	9997	9694	
	4	9389	9086	8885	6	8580	8378	8178	
	8	7873	7772	7672	10	7268	7167	7167	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

Configuration #5 : 4S2 : LED Power 2, Spot Beam, 4000 K

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	47.9	2.6'
08'	26.9	3.5'
10'	17.2	4.4'
12'	12.0	5.3'
14'	8.8	6.1'
16'	6.7	7.0'
18'	5.3	7.9'
20'	4.3	8.8'

Beam : 25°
Beam Edge defined as 50% of Maximum Nadir Candlepower

LUMINAIRE

LED Power 2	4000 K Spot Beam
Equivalent Bulbs	35W MR16 50W PAR20
CBCP / Lumens	1724 / 534
Input Watts	120V 277V 15W 15W
Operating AMPS	0.13A 0.06A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	Over 80
Lumen/Watt	35
Spacing Criteria	0.40
Certificate LM-79-08	S1103174 & L1103166

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30	50	30	
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR	0	119119	111111	106106	2	105101	10097	9794	
	4	9489	9087	8885	6	8580	8379	8278	
	8	7873	7772	7672	10	7368	7167	7167	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

