








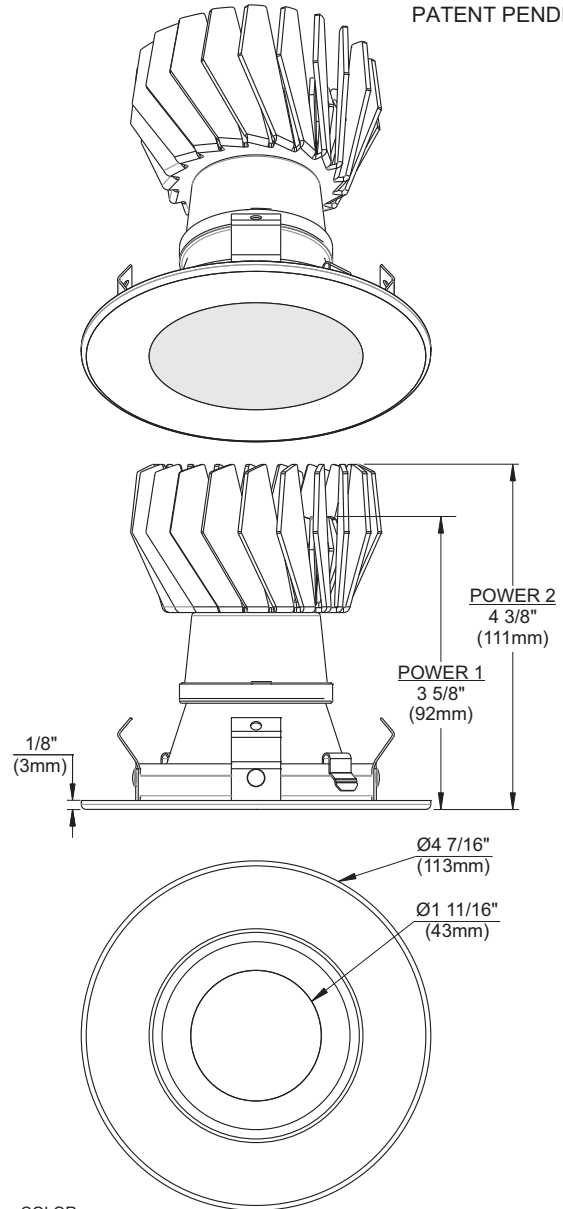
**3 1/2" 300 SERIES**

PATENT PENDING

# LEDS345

**SHOWER TRIM**

	<b>Wet Location</b>	<b>YES</b>																		
	<b>LED</b>	3000°K <b>18W</b> 4000°K <b>15W</b>																		
	<b>BEAM</b>	<b>W = WIDE BEAM</b> → 35° to 45° Refer to photometric data for more details.																		
	<b>Reflector</b>	<b>Standard : Aluminium anodised</b> Also available : <table border="0"> <tr> <td><b>Anodised</b></td> <td><b>Specular</b></td> <td><b>Painted</b></td> </tr> <tr> <td>Azur (AZ)</td> <td>Champagne (CH)</td> <td>White (-01)</td> </tr> <tr> <td>Burnt Orange (BO)</td> <td>Clear (CL)</td> <td>Black (-02)</td> </tr> <tr> <td>Cobalt blue (CB)</td> <td>Black (BK)</td> <td>Matte white (-11)</td> </tr> <tr> <td>Inca gold (IG)</td> <td></td> <td></td> </tr> <tr> <td>Rubis (RU)</td> <td></td> <td></td> </tr> </table> <p>To order a <b>white trim</b> with a <b>standard reflector</b> : LEDS345-013W1                  To order a <b>white trim</b> with a <b>smooth azur reflector</b> : LEDS345-01AZ3W1</p>	<b>Anodised</b>	<b>Specular</b>	<b>Painted</b>	Azur (AZ)	Champagne (CH)	White (-01)	Burnt Orange (BO)	Clear (CL)	Black (-02)	Cobalt blue (CB)	Black (BK)	Matte white (-11)	Inca gold (IG)			Rubis (RU)		
<b>Anodised</b>	<b>Specular</b>	<b>Painted</b>																		
Azur (AZ)	Champagne (CH)	White (-01)																		
Burnt Orange (BO)	Clear (CL)	Black (-02)																		
Cobalt blue (CB)	Black (BK)	Matte white (-11)																		
Inca gold (IG)																				
Rubis (RU)																				
	<b>New construction housing</b>	NWLED300U1, NWLED300LU1, NWLED300LU2																		
	<b>Remodel housing</b>	RELED300U1, RELED300LU1, RELED300LU2																		
	<b>LENSES</b>	<b>Standard : Frosted lens</b> Also available : Clear lens (C), Frosted with clear center lens (FC), To order, place the lens code after the trim code. Ex. : LEDS345FC-013W1																		



**COMPATIBLE HOUSINGS**

12W MAX	18W MAX
NWLED300LU1	NWLED300LU2
NWLED300U1	RELED300LU2
RELED300LU1	
RELED300U1	

**CODIFICATION**

Ex: LEDS345C-01MGAZ3W1

MODEL	LENS	FINISHES	MARINE GRADE	REFLECTOR	COLOR TEMPERATURE	BEAM	POWER
<b>LEDS345</b>	<b>C</b>	<b>-01</b>	<b>MG</b>	<b>AZ</b>	<b>3</b>	<b>W</b>	<b>1</b>
...	Frosted (standard)	-01 WHITE	optional	Available with clear lens («C») only.	3	wide	1 · 12 Watts
C	Clear	-02 BLACK		01 · Aluminium Anodised (standard)	3000°K		2 · 18 Watts
FC	Frosted/Clear	-03 24K GOLD		02 · Black			
		-04 CHROME		11 · Mat White	4	wide	1 · 10 Watts
		-04BR BRUSHED CHROME		AZ · Azur	4000°K		2 · 15 Watts
		-05 ARCHITECTURAL BRONZE		BK · Black			
		-06 ANTIQUE COPPER		BO · Burnt Orange			
		-07 ANTIQUE BRASS		CB · Cobalt Blue			
		-08 ANTIQUE SILVER		CH · Champagne			
		-11 MATTE WHITE		CL Clear			
		-12BR BRUSHED NICKEL		IG Inca Gold			
		-13 SATIN NICKEL		RU Rubis			
		-14 ALMOND					
		-15 METALLIC GREY					
		-16 SATIN CHROME					

**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.



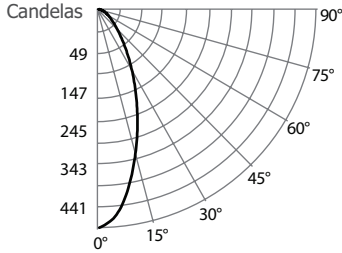
Project \_\_\_\_\_

Representative \_\_\_\_\_

# Photometric Data

## Configuration #8 : 3W1 : LED Power 1, Wide Beam, 3000°K

### CANDLEPOWER DISTRIBUTION



### CONE OF LIGHT

Distance	FC	DIA
04'	30.2	3.1'
05'	19.3	3.9'
06'	13.4	4.6'
07'	9.9	5.4'
08'	7.5	6.2'
09'	6.0	7.0'
10'	4.8	7.7'
11'	4.0	8.5'

**Beam : 42°**  
Beam Edge defined as 50% of Maximum Nadir Candlepower

### LUMINAIRE

<b>LED Power 1</b>	3000°K	Wide Beam
<b>Equivalent Bulbs</b>	20W MR16 35W PAR20	
<b>CBCP / Lumens</b>	483	/ 407
<b>Input Watts</b>	<b>120V</b>	<b>277V</b>
	12W	12W
<b>Operating AMPS</b>	0.10A	0.04A
<b>Lumen Maintenance</b>	Consult Factory	
<b>CRI</b>	Over 90	
<b>Lumen/Watt</b>	34	
<b>Spacing Criteria</b>	0.65	
<b>Certificate LM-79-08</b>	S1103223 & L1103215	

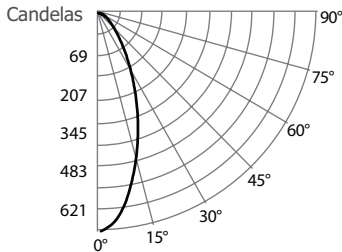
### COEFFICIENT OF UTILIZATION - %

	80		50		30	
Wall Reflect %	50	30	50	30	50	30
<b>RCR</b>	0	119119	111111	106106		
	2	9995	9491	9188		
	4	8478	8175	7974		
	6	7366	7064	6964		
	8	6457	6256	6156		
	10	5650	5550	5449		

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

## Configuration #8 : 3W2 : LED Power 2, Wide Beam, 3000°K

### CANDLEPOWER DISTRIBUTION



### CONE OF LIGHT

Distance	FC	DIA
04'	42.9	3.1'
05'	27.5	3.9'
06'	19.1	4.7'
07'	14.0	5.5'
08'	10.7	6.2'
09'	8.5	7.0'
10'	6.9	7.8'
11'	5.7	8.6'

**Beam : 43°**  
Beam Edge defined as 50% of Maximum Nadir Candlepower

### LUMINAIRE

<b>LED Power 2</b>	3000°K	Wide Beam
<b>Equivalent Bulbs</b>	50W PAR20	
<b>CBCP / Lumens</b>	687	/ 574
<b>Input Watts</b>	<b>120V</b>	<b>277V</b>
	18W	18W
<b>Operating AMPS</b>	0.15A	0.07A
<b>Lumen Maintenance</b>	Consult Factory	
<b>CRI</b>	Over 90	
<b>Lumen/Watt</b>	32	
<b>Spacing Criteria</b>	0.66	
<b>Certificate LM-79-08</b>	S1103227 & L1103225	

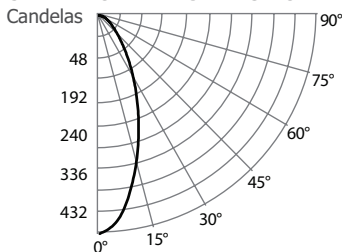
### COEFFICIENT OF UTILIZATION - %

	80		50		30	
Wall Reflect %	50	30	50	30	50	30
<b>RCR</b>	0	119119	111111	106106		
	2	10095	9591	9188		
	4	8478	8176	7974		
	6	7366	7165	6964		
	8	6457	6257	6156		
	10	5751	5650	5550		

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

## Configuration #8 : 4W1 : LED Power 1, Wide Beam, 4000°K

### CANDLEPOWER DISTRIBUTION



### CONE OF LIGHT

Distance	FC	DIA
04'	29.4	3.1'
05'	18.8	3.9'
06'	13.1	4.7'
07'	9.6	5.5'
08'	7.3	6.3'
09'	5.8	7.1'
10'	4.7	7.9'
11'	3.9	8.7'

**Beam : 43°**  
Beam Edge defined as 50% of Maximum Nadir Candlepower

### LUMINAIRE

<b>LED Power 1</b>	4000°K	Wide Beam
<b>Equivalent Bulbs</b>	20W MR16 35W PAR20	
<b>CBCP / Lumens</b>	470	/ 396
<b>Input Watts</b>	<b>120V</b>	<b>277V</b>
	10W	10W
<b>Operating AMPS</b>	0.08A	0.04A
<b>Lumen Maintenance</b>	Consult Factory	
<b>CRI</b>	Over 80	
<b>Lumen/Watt</b>	40	
<b>Spacing Criteria</b>	0.66	
<b>Certificate LM-79-08</b>	S1103224 & L1103216	

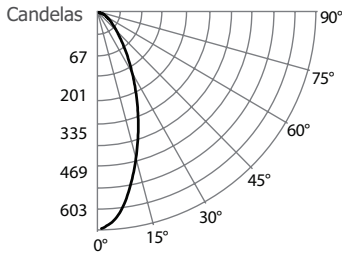
### COEFFICIENT OF UTILIZATION - %

	80		50		30	
Wall Reflect %	50	30	50	30	50	30
<b>RCR</b>	0	119119	111111	106106		
	2	9995	9491	9188		
	4	8477	8175	7874		
	6	7265	7064	6863		
	8	6357	6256	6055		
	10	5650	5549	5449		

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

## Configuration #8 : 4W2 : LED Power 2, Wide Beam, 4000°K

### CANDLEPOWER DISTRIBUTION



### CONE OF LIGHT

Distance	FC	DIA
04'	41.7	3.2'
05'	26.7	3.9'
06'	18.5	4.7'
07'	13.6	5.5'
08'	10.4	6.3'
09'	8.2	7.1'
10'	6.7	7.9'
11'	5.5	8.7'

**Beam : 43°**  
Beam Edge defined as 50% of Maximum Nadir Candlepower

### LUMINAIRE

<b>LED Power 2</b>	4000°K	Wide Beam
<b>Equivalent Bulbs</b>	50W PAR20	
<b>CBCP / Lumens</b>	667	/ 555
<b>Input Watts</b>	<b>120V</b>	<b>277V</b>
	15W	15W
<b>Operating AMPS</b>	0.13A	0.06A
<b>Lumen Maintenance</b>	Consult Factory	
<b>CRI</b>	Over 80	
<b>Lumen/Watt</b>	36	
<b>Spacing Criteria</b>	0.66	
<b>Certificate LM-79-08</b>	S1103228 & L1103226	

### COEFFICIENT OF UTILIZATION - %

	80		50		30	
Wall Reflect %	50	30	50	30	50	30
<b>RCR</b>	0	119119	111111	106106		
	2	9995	9491	8886		
	4	8478	8783	7773		
	6	7366	7570	6763		
	8	6457	6256	6055		
	10	5750	5550	5449		

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

