

LS Series

LS4™ and LS8™ Reflector Options

Product Description

The LS Series reflectors are available in symmetric or asymmetric versions. The reflectors include #6-20 self drilling screws to attach reflector to luminaire. The apertured reflector provides ~ 6.5% uplight.

Product Specifications

CONSTRUCTION & MATERIALS

22 gauge cold rolled steel reflector

Matte white finish providing 88% reflectance

Limited Warranty*: 1 year

*See <http://lighting.cree.com/warranty> for warranty terms

Accessories

Field-Installed
Joint Aligner
LS-RJ - Top housing aligner for continuous rows
LS-RFLJ - Reflector aligner for continuous rows

Ordering Information

Example: LS4-SR

LS		
Product	Length	Reflector (Pair)
LS	4 4' 8 8'	SR Solid AR Apertured

Solid Reflector



3.6"
(90mm)

9.6"
(244mm)

48.0"
(1219mm)

3.6"
(90mm)

9.6"
(244mm)

96.0"
(2438mm)

Reflector w/Apertures



3.6"
(90mm)


9.6"
(244mm)

48.0"
(1219mm)

3.6"
(90mm)

9.6"
(244mm)

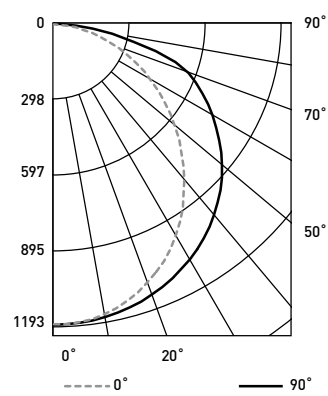
96.0"
(2438mm)

 **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Sample Photometry for 4' Solid Reflector

LS4-40L-40K-10V SOLID REFLECTORS BASED ON RESTL REPORT TEST #: PL05130-001

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	107	102	97	93
2	97	88	81	74
3	88	77	68	61
4	80	68	58	51
5	74	60	51	44
6	68	54	45	38
7	63	49	40	33
8	58	45	36	30
9	55	41	32	27
10	51	38	29	24

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m ²)			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	16,291	18,887	21,120
55°	15,083	19,384	22,351
65°	13,701	20,569	24,624
75°	12,057	23,940	25,823
85°	10,229	23,070	16,809

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	926	N/A	24.4%
0-40	1,527	N/A	40.3%
0-60	2,774	N/A	73.2%
0-90	3,776	N/A	99.6%
0-180	3,790	N/A	100%

Reference <http://lighting.cree.com/products/indoor/surface-ambient/ls-series> for detailed photometric data

RESTL Test Report #: PL05130-001

LS4-40L-40K-10V w/LS4-SR

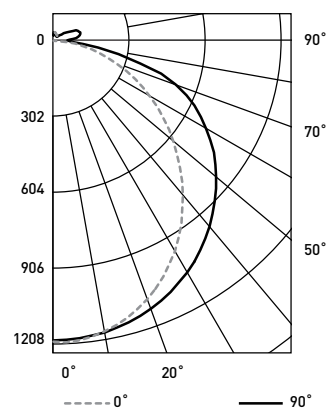
Solid Reflectors

Initial Delivered Lumens: 3,790

Sample Photometry for 4' Apertured Reflector

LS4-40L-40K-10V APERTURED REFLECTORS BASED ON RESTL REPORT TEST #: PL03896-001

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	118	118	118	118
1	106	101	97	93
2	96	88	80	74
3	87	76	68	61
4	80	67	58	51
5	73	60	51	44
6	68	54	45	38
7	63	49	40	34
8	58	44	36	30
9	54	41	32	27
10	51	38	30	24

Effective Floor Cavity Reflectance: 20%

Average Luminance Table (cd/m ²)			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	3,459	3,936	4,398
55°	3,197	3,968	4,649
65°	2,908	4,183	5,014
75°	2,578	4,710	4,736
85°	2,247	3,887	2,906

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	936	N/A	23.6%
0-40	1,537	N/A	38.8%
0-60	2,768	N/A	69.8%
0-90	3,713	N/A	93.7%
0-180	3,964	N/A	100%

Reference <http://lighting.cree.com/products/indoor/surface-ambient/ls-series> for detailed photometric data

RESTL Test Report #: PL03896-001

LS4-40L-40K-10V w/LS4-AR

Apertured Reflectors

Initial Delivered Lumens: 3,964