

DLC Check - Indoor Luminaires

The results contained in this report pertain only to this IES file.

Each luminaire type is on a different page. To view a particular type, click the link below or scroll to that page. To save that page as a PDF, choose Print, set the page # to the number listed on that page or in the index, and print to a PDF printer.

To identify Warranty, CCT, CRI, L70 and L90, include following custom keywords in your IES file header, using only numeric values for each item:

```
[_PR-WARRANTY] 5  
[_PR-CCT] 3400  
[_PR-CRI] 75  
[_PR-L70] 60000  
[_PR-L90] 20000
```

Page Number		Use Letter	Description
page 2	of 11	K	Wall-wash Luminaires
page 3	of 11	L	Track or Mono-Point Directional Luminaires
page 4	of 11	Q	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
page 5	of 11	R	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
page 6	of 11	S	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
page 7	of 11	T	Linear Ambient Luminaires w/Indirect Component
page 8	of 11	U	Direct Linear Ambient Luminaires
page 9	of 11	V	High Bay Luminaires for Commercial and Industrial
page 10	of 11	W	Low Bay Luminaires for Commercial and Industrial
page 11	of 11	X	High Bay Aisle Luminaires

DLC® Photometric Requirement Report

Technical Requirements V4.3
Letter K: Wall-wash Luminaires

Report generated with:

photopia | reports
www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 5 : Interior Directional

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 65 lm/W ✗	≥ 90 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter K: Wall-wash Luminaires

Metric	DLC	Achieved
Lumen Output	≥ 575 lm ✓	634.39 lm
Lumens 0°-90°	≥ 60% ✓	100.00%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

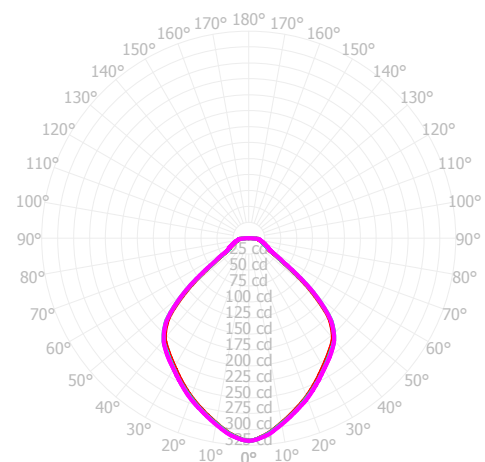
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 5 : Interior Directional

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 65 lm/W ✗	≥ 90 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter L: Track or Mono-Point Directional

Metric	DLC	Achieved
Lumen Output	≥ 250 lm ✓	634.39 lm
Lumens 0°-90°	≥ 85% ✓	100.00%

Photometric Summary

Input

Input Watts	12.9 W
--------------------	--------

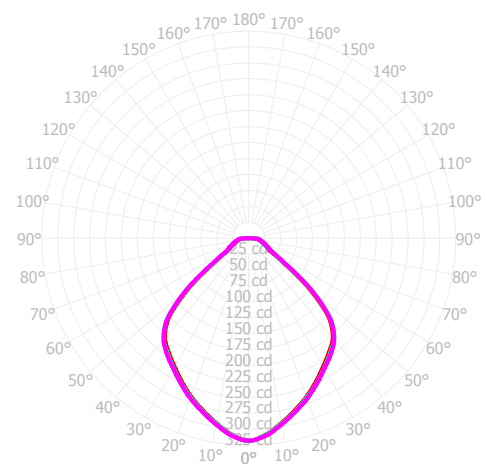
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3

Letter Q: 2x2 Troffers

Report generated with:

photopia | reports

www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 7 : Troffer

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 100 lm/W ✗	≥ 125 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter Q: 2x2 Troffers

Metric	DLC	Achieved
Lumen Output	≥ 2000 lm ✗	634.39 lm
Lumens 0°-60°	≥ 75% ✓	89.48%
SC 0°-180°	1.0-2.0 ✓	1.10
SC 90°-270°	1.0-2.0 ✓	1.11

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

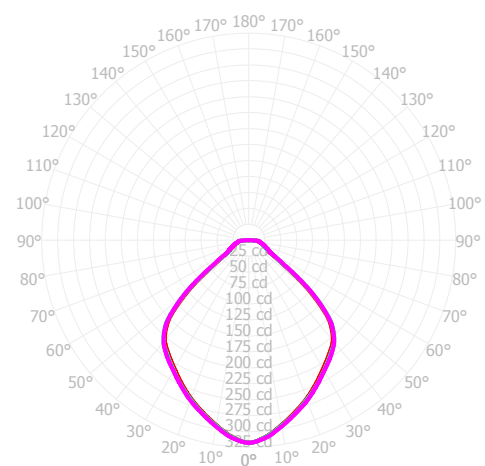
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3

Letter R: 1x4 Troffers

Report generated with:

photopia | reports

www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 7 : Troffer

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 100 lm/W ✗	≥ 125 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter R: 1x4 Troffers

Metric	DLC	Achieved
Lumen Output	≥ 1500 lm ✗	634.39 lm
Lumens 0°-60°	≥ 75% ✓	89.48%
SC 0°-180°	1.0-2.0 ✓	1.10
SC 90°-270°	1.0-2.0 ✓	1.11

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

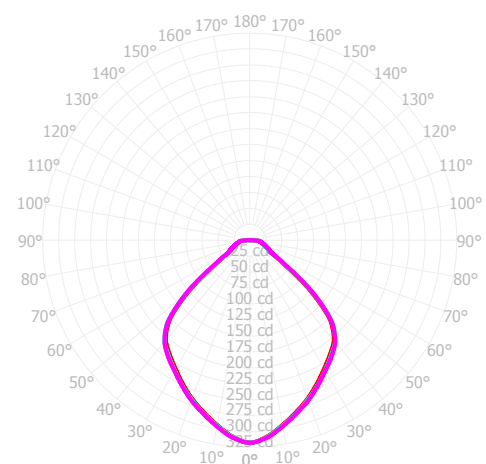
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3
Letter S: 2x4 Troffers

Report generated with:

photopia | reports
www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 7 : Troffer

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 100 lm/W ✗	≥ 125 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter S: 2x4 Troffers

Metric	DLC	Achieved
Lumen Output	≥ 3000 lm ✗	634.39 lm
Lumens 0°-60°	≥ 75% ✓	89.48%
SC 0°-180°	1.0-2.0 ✓	1.10
SC 90°-270°	1.0-2.0 ✓	1.11

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

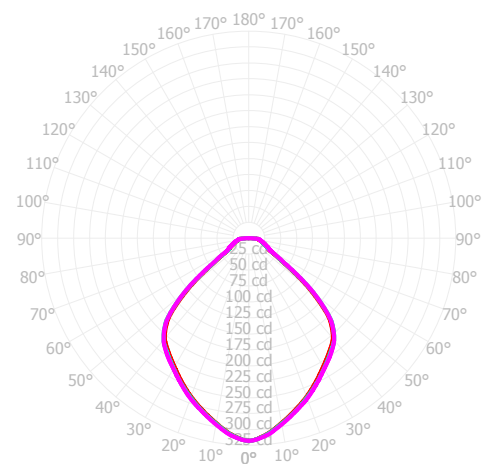
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3

Letter T: Linear Ambient w/Indirect

Report generated with:

photopia | reports

www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 8 : Linear Ambient

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 105 lm/W ✗	≥ 130 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter T: Linear Ambient w/Indirect

Metric	DLC	Achieved
Lumen Output	≥ 500 lm/ft ✓	634.39 lm
Lumens 90°-150°	≥ 35% ✗	0.00%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

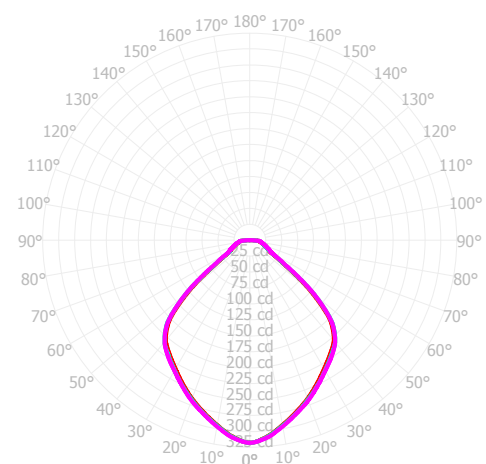
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3
Letter U: Direct Linear Ambient

Report generated with:

photopia | reports
www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 8 : Linear Ambient

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 105 lm/W ✗	≥ 130 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5000 K ✓	≤ 5000 K ✓	3400 K
CRI	≥ 80 ✗	≥ 80 ✗	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter U: Direct Linear Ambient

Metric	DLC	Achieved
Lumen Output	≥ 375 lm/ft ✓	634.39 lm
Lumens 0°-60°	≥ 40% ✓	89.48%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

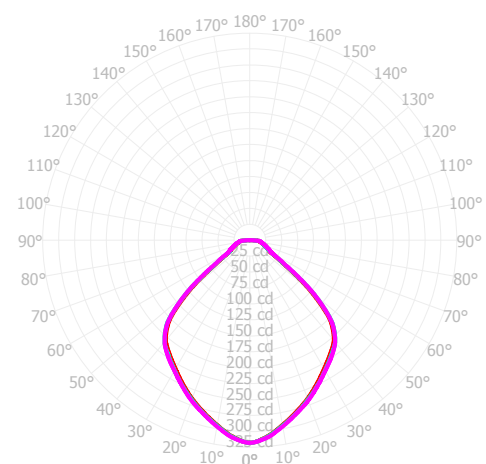
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3
Letter V: High Bay C&I

Report generated with:

photopia | reports
www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 9 : High Bay

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 105 lm/W ✗	≥ 130 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 57000 K ✓	≤ 5700 K ✓	3400 K
CRI	≥ 70 ✓	≥ 70 ✓	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter V: High Bay C&I

Metric	DLC	Achieved
Lumen Output	≥ 10000 lm ✗	634.39 lm
Lumens 20°-50°	≥ 30% ✓	61.22%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

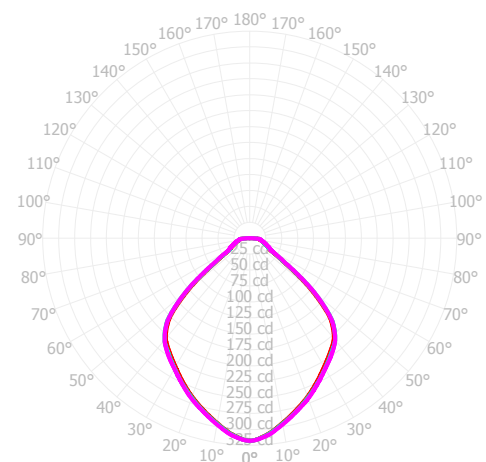
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3

Letter W: Low Bay C&I

Report generated with:

photopia | reports

www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 9 : High Bay

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 105 lm/W ✗	≥ 130 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5700 K ✓	≤ 5700 K ✓	3400 K
CRI	≥ 70 ✓	≥ 70 ✓	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter W: Low Bay C&I

Metric	DLC	Achieved
Lumen Output	5000-10000 lm ✗	634.39 lm
Lumens 20°-50°	≥ 30% ✓	61.22%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

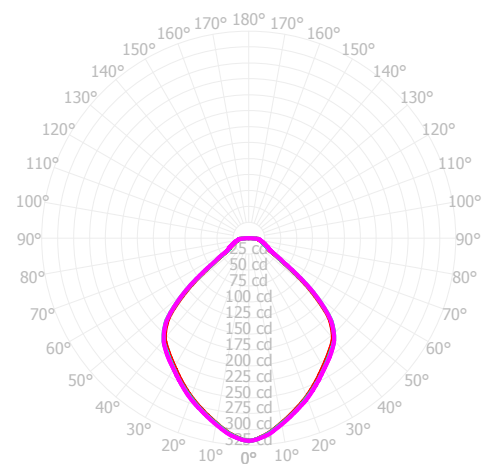
Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot



DLC® Photometric Requirement Report

Technical Requirements V4.3

Letter X: High Bay Aisle

Report generated with:

photopia | reports

www.ltioptics.com

Manufacturer: Brightest Luminaire Company
Luminaire Catalog Number: CAT-356738-BT-DL
Luminaire Description: LED Downlight
Lamp Catalog Number:
Lamp Description:
Test Lab: LTI Optics - Photopia
Test Number:
Test Date:
Issue Date:

DLC Photometric Requirements

Table 1

Line 9 : High Bay

Metric	DLC Standard	DLC Premium	Achieved
Efficacy	≥ 105 lm/W ✗	≥ 130 lm/W ✗	48.93 lm/W
Warranty	≥ 5 yrs ✓	≥ 5 yrs ✓	7 yrs
CCT	≤ 5700 K ✓	≤ 5700 K ✓	3400 K
CRI	≥ 70 ✓	≥ 70 ✓	75
L70	≥ 50,000 hr ✓	≥ 50,000 hr ✓	60000 hrs
L90	N/A	≥ 36,000 hr ✗	20000 hrs

Table 4

Letter X: High Bay Aisle

Metric	DLC	Achieved
Lumen Output	≥ 575 lm ✓	634.39 lm
Lumens 0°-90°	≥ 60% ✓	100.00%

Photometric Summary

Input

Input Watts	12.9 W
-------------	--------

Spacing Criterion

Two luminaires, plane 0°	1.1
Two luminaires, plane 90°	1.11
Four luminaires	1.28

Full Beam Angle

0° - 180°	93.77°
90° - 270°	94.63°

Candela Polar Plot

