



DownLED LED Recessed Downlight

Product Description

The Q-RAY[™] DownLED is developed to replace conventional lighting systems (Fixtures + Ballast + Bulb). It saves energy and conserves the environment by reducing carbon footprint. It operates on 115 VAC line voltage and adopts an easy 'plug-and-play' model, which makes it a perfect choice for those who opt for aesthetics and functionality.

Applications

Superior choice for residential general illumination applications. Suitable for indoor and semi outdoor installations.

Design Concept

Q-RAY[™] DownLED offers good color rendering for better visibility and comfort lighting. It offers exact dimensions for retrofitting to existing fixtures. As usual, Q-RAY[™] line of products ensures long term reliability and durability. Energy conservation and comfort lighting are Q-RAY[™]'s design guiding principles.



11555 Coley River Circle

ountain Valley, CA 92708





NEW!

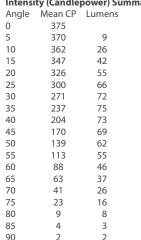


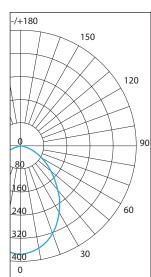
714.545.5560 Fax: 714.545.6093

Q-RAY[™] DLE Photometric Data (base on LM79 test method)

Digital Lighting Inc - 6" LED Downlight Luminaire with Frosted RIM (QDL06-USW-30G24E) Luminaire Lumen Output - 750 lm Lamp Operating at 120 VAC And 14.0W CCT - 3000K Nominal

Intensity (Candlepower) Summary



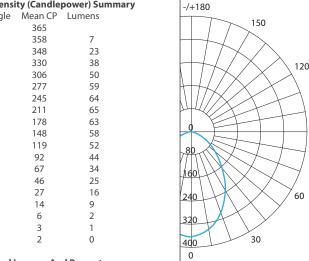


Zonal Lumens And Percentages

Zone	Lumens	%Lamp	%Luminaire
0-30	270	46.5	46.5
0-40	418	65.6	65.6
0-60	650	92.5	92.5
0-90	742	100	100

** Efficacy: 54 Lumens/watt **

Digital Lighting Inc - 5" LED Downlight Luminaire with Frosted RIM (QDL05-USW-30G24E) Luminaire Lumen Output - 600 lm Lamp Operating at 120 VAC and 12W CCT - 3000K Nominal



Zonal Lumens And Percentages

Zone	Lumens	%Lamp	%Luminaire
0-30	253	49.5	49.5
0-40	385	68.9	68.9
0-60	581	94.1	94.1
0-90	646	100	100

** Efficacy: 50 Lumens/watt **

Q-RAY[™] products are designed with wide angle so that the lumens (luminance) are directed to a wider area to enhance general illumina tion.

Technical Specifications

Input Voltage		105 to 125 VAC
Power Factor		0.95
Typical Power		5" (12 W)
		6" (14 W)
Illumination Angle		5″ (80°)
		6″ (85°)
Recommended Install	ation Height	8 to 12 feet Ceiling
CCT*	Incandescent Warm	2700K
	Halogen Warm	3000K
CRI (Minimum)		80

Note: * Nominal or Typical Color Temperature Referenced to ANSI C78.377-2008 specifications.

Typical Reading	5″	6″
Light Output (lm)	600	750
Power (W)	12	14
System Efficacy (lpw)	50	54
Color Accuracy	80	80
Light Color (K)	2700K or 3000K (warm)	

Benefits of Q-RAY™ DownLED

No UV light or heat generated through the light beam protect valuables on display and cooling during summer months.

- · Low power consumption to minimize carbon emission.
- Durable & long lasting up to 50,000 hours or more.
- No reflector required. Light loss is minimal with long lumens maintenance hours.
- Dimmable* down to 5%.
- · No mercury content.

Ordering Information

Part Number	
QDL05-USW-27G24E	Q-RAY™ DownLED 5″, 2700K CCT, GU24, 50lpw
QDL05-USW-30G24E	Q-RAY™ DownLED 5″, 3000K CCT, GU24, 50lpw
QDL06-USW-27G24E	Q-RAY™ DownLED 6″, 2700K CCT, GU24, 54lpw
QDL06-USW-30G24E	Q-RAY™ DownLED 6″, 3000K CCT, GU24, 54lpw

* Depending on the dimmer used.

Note: While every effort has been made to ensure that the information contained herein is correct at the time of publication, specifications may change without prior notice.

©2010 Digital Lighting Incorporated

All rights reserved. Reproduction in whole or in part is strictly prohibited without the prior written consent of Digital Lighting Incorporated. The content in this document serves as informational purpose only and does not form part of any quotation or contract. All information is believed to be accurate and may be changed without prior notice. No liability will be accepted by the publisher or Digital Lighting Incorporated for any consequence of its use. The compilation (meaning the collection, arrangement and assembly) of all content on this document is also the exclusive property of Digital Lighting Incorporated and/or its respective owners and protected by copyright laws.

90

Application Requirements

Using Q-RAY[™] DownLED is simple. For new installation, the method is similar to conventional downlight. For retrofitting, it is a 'plug and play' conversion.

We recommend a ceiling height of between 8 to 12 feet to unleash the full potential of DownLED.

The DownLED 5" is designed to retrofit within PAR30 CAN while the 6" version retrofits within the PAR38 CAN.

Light Emitting Diodes

Only lighting Class LEDs suitable for General Illumination are used.

Body Material & Constructions

The advanced thermal management system design ensures 50,00 hours of operating life without color shift.

Optical Properties

input voltage		105 10 125 1/10
Power Factor		0.95
Typical Power		5" (12 W)
		6" (14 W)
Illumination Angl	e	5″ (80°)
		6" (85°)
Recommended In	stallation Height	8 to 12 feet Ceiling
CCT*	Incandescent Warm	2700K
	Halogen Warm	3000K
CRI (Minimum)		80

Intensity (Candlepower) Summary Angle

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90