



6BLRD-MED

Sealed 6" LED Downlight for Surgical and Medical Treatment Rooms

1,000 to 6,000 Lumens

Optimized to meet typical performance and specifications requirements for general ambient lighting in operating rooms, emergency departments and other treatment rooms.

MECHANICAL

- Precision formed 16 ga. galvanized steel ceiling pan with built-in plaster ring
- Cold rolled steel trim ring. Stainless Steel available, see options
- Lens Holder Finish in Antimicrobial White.
- Trim secured to housing with captive flush mount stainless steel screws and o-rings
- Adjustable to 1 1/2" ceiling thickness
- Bar hangars accommodate 27" span
- Gasketed and sealed to achieve IP-65 rating

OPTICAL

- Clear polycarbonate and tempered glass lens options are available.
- CRI: 80, 90

ELECTRICAL

- Serviceable and upgradable light engine
- Available with remote driver option to simplify future driver service
- Power supply is overload and short circuit protected
- Standard with 0-10V dimming to 1%
- Dimming options available: Dim to Black and Triac

PERFORMANCE

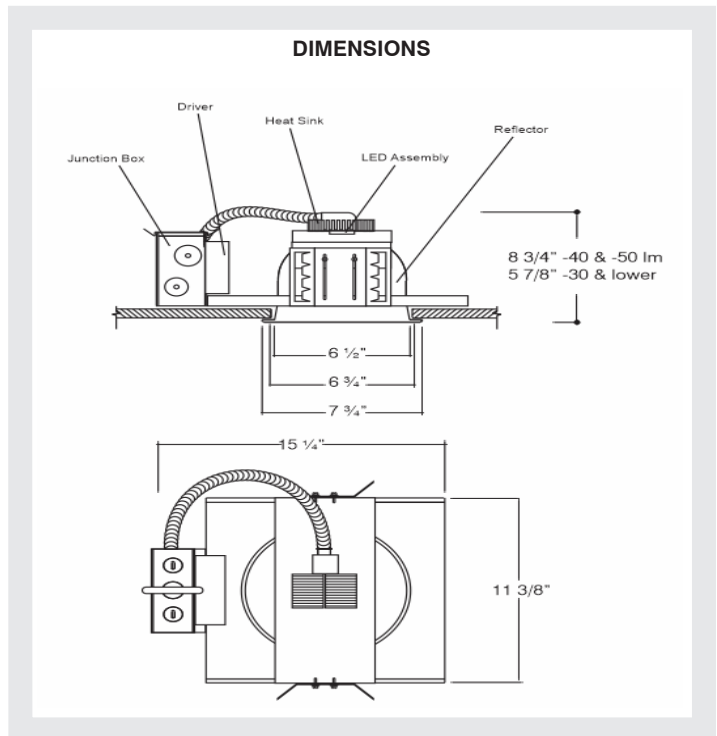
- 1,000 to 5,000 delivered lumens for variety of applications
- Color Temperature: 3000K, 3,500K, 4,000K, 5,000K CCT

LISTINGS

- ETL tested and listed to ANSI/UL1598 and CAN/CSA C22.2 No. 250.0-08
- Wet location listed
- IP65 rating certified to IEC60598 standard
- Sanitation rated to the NSF2 Splash/Non-Food Zone standard

Consult factory for alternative materials, colors and refractor options.
 5 year limited warranty of LED and electrical components. See Peachtree terms for details.
 70% lumen maintenance at 50,000 hours based on IESNA LM-80-2008
 Dimension and specifications in literature subject to change.

Type	Job Ref.
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6BLRD-MED												
	DELIVERED LUMENS @ 35K	DIMMING	COLOR TEMPERATURE	CRI	LENS**	OPTIONS	VOLTAGE					
Sealed 6" LED Medical Downlight	-60	6047 lumens	-DMLV1	0-10v Dim to 1%*	-30K	3000 K	-80	-CP	Clear Polycarbonate	-F	Fusing	-120
	-50	5036 lumens	-DMT1	Triac dimming to 1%	-35K	3500 K	-90	-CG	Clear Tempered Glass	-GTD	Generator Transfer Device	-277
	-40	3959 lumens	-DMB	Dim to Black (Eldo Driver 0.1%)**	-40K	4000 K				-SS	Stainless Steel Trim Ring	
	-30	2998 lumens								-EML1	Emergency	
	-20	1919 lumens										
	-10	960 lumens										
			*Standard on all -10 to -60									
			**-10 to -50 only									

* See Page 2 for Distribution Performance
 ** Consult factory for darkroom lenses, green lenses or other specialty lenses.



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PHOTOMETRY

6BLRD-MED-10-35K-80-SH, Report No: CRT1701091211-001 calc, 08/12/2019, 959.2 delivered lumens, 7.1 input watts, 135 lm/W, 3500K, 80CRI

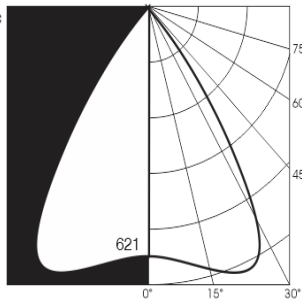
ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	498.4	52%
0-40	693.9	72.3%
0-60	934.1	97.4%
60-90	25.2	2.6%
70-100	3.8	.4%
90-120	0	0%
0-90	959.2	100%
90-180	0	0%
0-180	959.2	100%

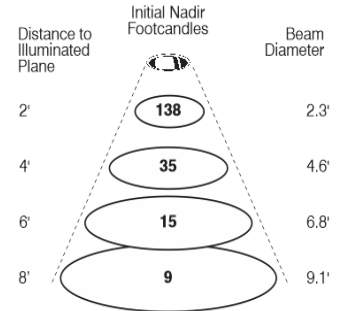
Test No: CRT1701091211-001 calc
 Source: Chip on Board
 Color Temp: 3500K
 Total Fixture Lumens: 959.2
 S/MH: .99

Input Current
 Voltage: Watts: Amps:
 120 7.1 .06
 277 7.1 .03

CANDLEPOWER DISTRIBUTION CURVE



CONE OF LIGHT



6BLRD-MED-50-35K-80-SH, Report No: CRT1701091211-001 calc, 08/12/2019, 5,036 delivered lumens, 36.9 input watts, 136 lm/W, 3500K, 80CRI

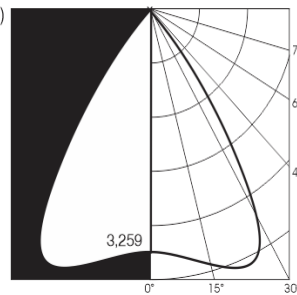
ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	2,616.7	52%
0-40	3,643.2	72.3%
0-60	4,903.8	97.4%
60-90	132.2	2.6%
70-100	19.8	.4%
90-120	0	0%
0-90	5,036.0	100%
90-180	0	0%
0-180	5,036.0	100%

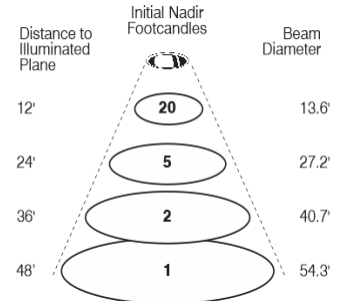
Test No: CRT1701091211-001 (calc.)
 Source: Chip on Board
 Color Temp: 3500K
 Total Fixture Lumens: 5,036
 S/MH: .99

Input Current
 Voltage: Watts: Amps:
 120 52.4 .43
 277 52.4 .19

CANDLEPOWER DISTRIBUTION CURVE



CONE OF LIGHT



PERFORMANCE DATA

Model	Input Watts	Delivered Lumens	Efficacy (lm/W)
6BLRD-MED-10	7.1	959.2	135
6BLRD-MED-20	15.5	1918.5	124
6BLRD-MED-30	26.9	2997.6	111
6BLRD-MED-40	32	3956.9	124
6BLRD-MED-50	36.9	5036.0	136
6BLRD-MED-60	44	6043.2	137

COLOR TEMPERATURE CONVERSIONS

Peachtree performance data is presented as delivered lumens. Standard photometric test data is based on 3500K CT and 80 CRI. For other CCTs and CRIs, use the following conversion factors:

CCT/CRI	Conversion Factor
3000K at 80 CRI	0.99
3000K at 90 CRI	0.81
3500K at 80 CRI	1.00
3500K at 90 CRI	0.83
4000K at 80 CRI	1.01
4000K at 90 CRI	0.86
5000K at 80 CRI	1.04
5000K at 90 CRI	0.89

This Peachtree LED product is baseline tested at 3500K and 80+ CRI. When a warmer or cooler color temperature or 90+ CRI is specified, the light output values will vary. Use the following charts to adjust the values for your application.

*Distribution for Lenses:
 Delivered Lumens, Photometrics and IES files are for standard 6BLRD open downlight.

Lens Transmission Loss approximately 10%

CCT Lumen Conversion	
3000K	4000K
.98	1.04

CRI Conversion	
90+	
.99	

Wattage by Lumen Package	
-60 = 44.1w	-30 = 26.9w
-50 = 36.9w	-20 = 15.5w
-40 = 32w	-10 = 7.1w