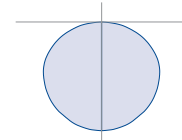
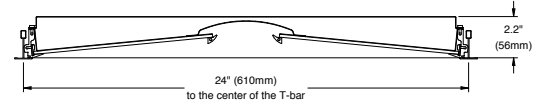
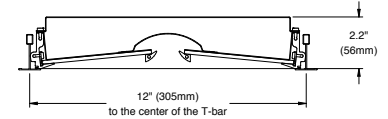


Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		50LPH	PowerHUBB™ Edge-lit Troffer
Ceiling Type		G NG SS DW	15/16" Grid Ceiling 9/16" Narrow Face Grid Ceiling 9/16" Screw Slot Grid Ceiling Drywall Ceiling
Distribution		D	Direct
Size		11 12 14 22 24	1' x 1' Fixture 1' x 2' Fixture 1' x 4' Fixture 2' x 2' Fixture 2' x 4' Fixture
Center Visual Design		OPN SOF BWOC1 BWOC4 BWOC5 DEC1 DEC2 DEC3 DEC4 CDEC	Open Cavity - No Diffuser Soft Diffuse Lens Blade Baffle with Overlay, C1 finish Blade Baffle with Overlay, C4 finish Blade Baffle with Overlay, C5 finish Nature Decorative Graphic* Sky Decorative Graphic* Marble Decorative Graphic* Wood Decorative Graphic* Custom Decorative Graphic* *See separate Decorative Center Visual Ordering Guide for additional details
Finish/Color		C1 C4 C5 CC	Matte White Machined Aluminum Carbon Black Custom Color
Color temperature		27K 30K 35K 40K 50K 27K9 30K9 35K9 40K9 50K9	2700K 3000K 3500K 4000K 5000K+ 2700K, 90 CRI+ 3000K, 90 CRI+ 3500K, 90 CRI 4000K, 90 CRI+ 5000K, 90 CRI+
Output* <i>(specifiable in 100 lumens/ft increments)</i>		D100 (min) D600 (max)	1000 6000 *See "Performance" section for output limitations
PowerHUBB Node		PM PMC	PowerHUBB On/Off/1% Dim, Master PowerHUBB On/Off/1% Dim, Control Inputs, Master



Key Features

- Edge-lit light guides for perfectly uniform appearance
- 2.2" fixture depth, reducing plenum space
- 5 size options, 4 visual options, 3 finish options
- Up to 6000 lumens and up to 139 lm/W in select configurations

+ Additional lead time may be applicable. Contact factory.



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Performance

Nomenclature	Lumens/Fix	2x2		2x4		1x1		1x2		1x4	
		W/unit	Efficacy	W/unit	Efficacy	W/unit	Efficacy	W/unit	Efficacy	W/unit	Efficacy
D100(min)	1000	7	139	-	-	11	93	10	105	-	-
D110	1100	8	139	-	-	12	93	11	105	-	-
D120	1200	9	139	-	-	13	93	12	105	-	-
D130	1300	9	139	-	-	14	93	13	105	-	-
D140	1400	10	139	-	-	15	92	13	105	-	-
D150	1500	11	139	-	-	16	92	14	105	-	-
D160	1600	12	139	-	-	18	91	15	105	13	121
D170	1700	12	139	14	125	19	91	16	104	14	121
D180	1800	13	139	14	125	20	91	17	104	15	121
D190	1900	14	139	15	125	21	90	18	104	16	121
D200	2000	14	139	16	125	22	90	19	104	17	121
D210	2100	15	139	17	125	23	90	20	104	17	121
D220	2200	16	139	18	125	25	89	21	104	18	121
D230	2300	17	139	18	125	26	89	22	104	19	121
D240	2400	17	139	19	125	27	88	23	104	20	121
D250	2500	18	139	20	125	29	88	24	104	21	121
D260	2600	19	139	21	125	30	87	25	104	22	121
D270	2700	19	139	22	125	31	87	26	104	22	121
D280	2800	20	139	22	125	32	86	27	103	23	121
D290	2900	21	139	23	125	34	86	28	103	24	121
D300	3000	22	139	24	125	-	-	29	103	25	121
D310	3100	22	139	25	125	-	-	30	103	26	121
D320	3200	23	139	26	125	-	-	31	103	27	121
D330	3300	24	139	26	125	-	-	32	103	27	121
D340	3400	25	139	27	125	-	-	33	102	28	121
D350	3500	25	139	28	125	-	-	34	102	29	121
D360	3600	26	139	29	125	-	-	35	102	30	121
D370	3700	27	138	30	125	-	-	36	102	31	120
D380	3800	28	138	30	125	-	-	38	101	32	120
D390	3900	28	138	31	125	-	-	39	101	32	120
D400	4000	29	138	32	125	-	-	40	101	33	120
D410	4100	30	138	33	125	-	-	41	101	34	120
D420	4200	31	138	34	125	-	-	42	101	35	120
D430	4300	31	137	34	125	-	-	43	101	36	120
D440	4400	32	137	35	125	-	-	-	-	37	120
D450	4500	33	137	36	125	-	-	-	-	38	120
D460	4600	34	137	37	125	-	-	-	-	38	120
D470	4700	34	137	38	125	-	-	-	-	39	120
D480	4800	35	137	38	125	-	-	-	-	40	120
D490	4900	36	136	39	125	-	-	-	-	41	119
D500	5000	37	136	40	125	-	-	-	-	42	119
D510	5100	38	136	41	125	-	-	-	-	43	119
D520	5200	38	136	42	125	-	-	-	-	44	119
D530	5300	39	136	42	125	-	-	-	-	45	119
D540	5400	40	135	43	125	-	-	-	-	45	119
D550	5500	41	135	44	125	-	-	-	-	46	119
D560	5600	42	135	45	124	-	-	-	-	-	-
D570	5700	42	135	46	124	-	-	-	-	-	-
D580	5800	43	135	-	-	-	-	-	-	-	-
D590	5900	44	134	-	-	-	-	-	-	-	-
D600(max)	6000	45	134	-	-	-	-	-	-	-	-

Note: See "Center Visual Design" section on details page for output multipliers

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Details

Construction:

Housing - Extruded aluminum side rails joined together with die cast aluminum end caps
Light Guide Panels - Laser etched acrylic sheet
Lens - Optional extruded acrylic center diffuse

Center Visual Design:

OPN - Open cavity - no diffuser. Output multiplier (0.95)
SOF - Soft diffuse acrylic lens
BWO - Blade baffle with softglow lens overlay. Available in 3 finish options. Output multiplier (0.96)
DEC - Open cavity with pre-selected or custom graphic - Contact factory for more details. Output multiplier (0.95)

Mounting:

Intended for installation in exposed, inverted T-bar grid ceiling and drywall. Drywall option ships with frame kit to be installed in ceiling prior to fixture install. Holes in housing provided for wire-on-chain mounting support to building structure. Row mounting of fixtures is not available.

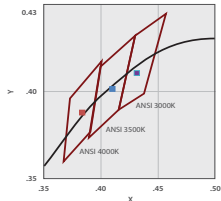
Finish:

Visit www.litecontrol.com/finishes for details.

CCT:

27K-2700K output multiplier (0.95)
30K-3000K output multiplier (0.98)
35K-3500K output multiplier (1.00)*
40K-4000K output multiplier (1.03)
50K-5000K output multiplier (1.05)
27K9-2700K 90 CRI output multiplier (0.83)
30K9-3000K 90 CRI output multiplier (0.85)
35K9-3500K 90 CRI output multiplier (0.88)
40K9-4000K 90 CRI output multiplier (0.90)
50K9-5000K 90 CRI output multiplier (0.93)

*Scale all values from 35K



Color Variation:

2 step MacAdam ellipse

Output (VI Technology):

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. Specify each in 100 lumen increments/fxt within the below range:

	Lumens/fxt	Nomenclature
Direct		
Min:	1000	D100
Max:	6000	D600

PowerHUBB: POWERHUBB™ PoE LIGHTING & CONTROL

Hubbell Control Solutions' PowerHUBB™ is an enterprise-level Power-Over-Ethernet (PoE) lighting and control platform that seamlessly integrates luminaires, sensors, user interfaces and software for a scalable intelligent building control solution. PowerHUBB™ PoE Lighting and Control options provide low-voltage wired connectivity for Power-Over-Ethernet network system deployment.

PM: PowerHUBB On/Off/1% Dim, Master

PMC: PowerHUBB On/Off/1% Dim, Control Inputs, Master

See separate [PowerHUBB™ In-Fixture Solutions Guide](#) and Hubbell Control Solutions [PowerHUBB Brochure](#) for more details.

Fixture Weight:

1x1	6.5 lbs
1x2	10.5 lbs
1x4	20 lbs
2x2	16 lbs
2x4	36 lbs

Ratings:

CSA listed for damp locations. IBEW. AF of L. IC rated.

Warranty:

LED boards - 5 years

PowerHUBB Nodes - 5 years

Rated Life:

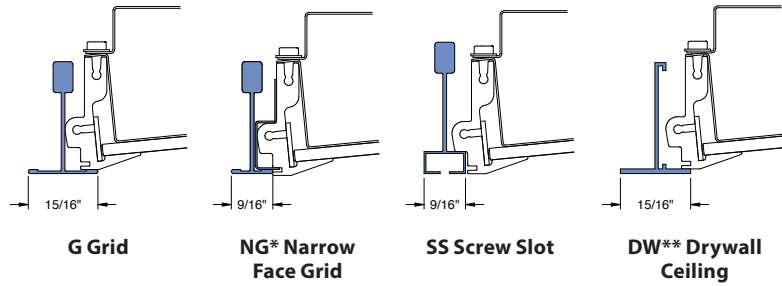
Test in accordance to the LM79-2008 and derived from EPA TM-21 calculator

L70: >61,000 (reported per TM-21/LM80 6x's limitation)

L90: 49,000 (reported per TM-21/LM80 6x's limitation)

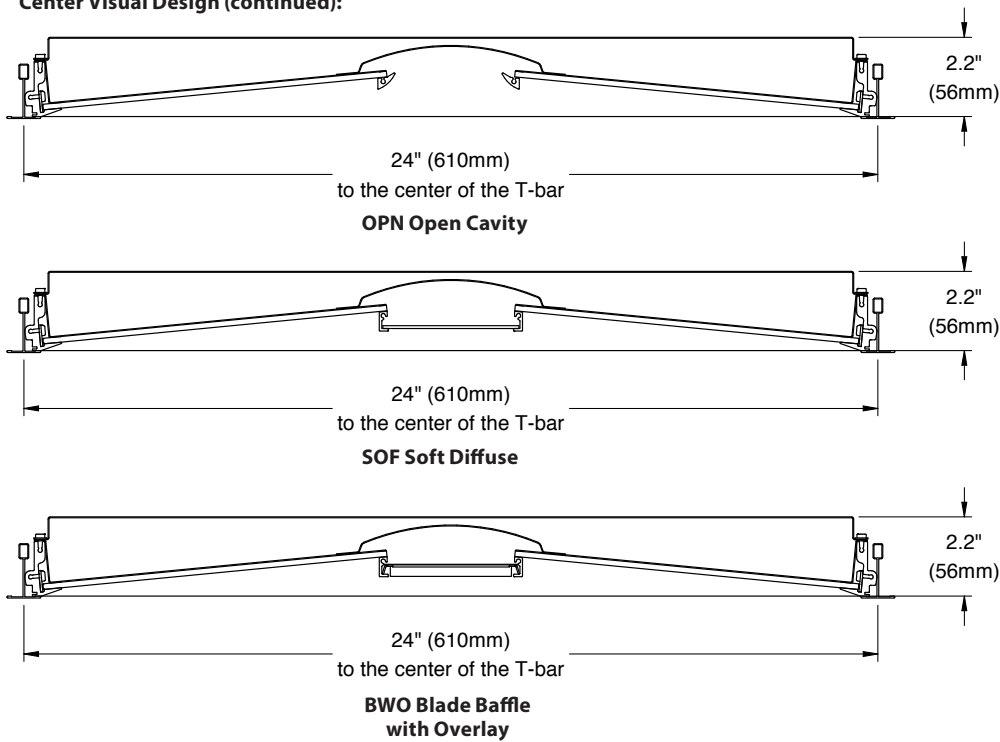
Details (continued)

Mounting Options:

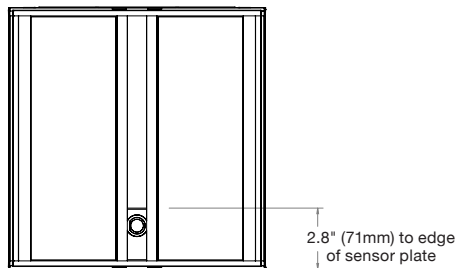


* NG mounting option includes pre-installed steel rail with finish to match fixture
** Shown installed with flange kit

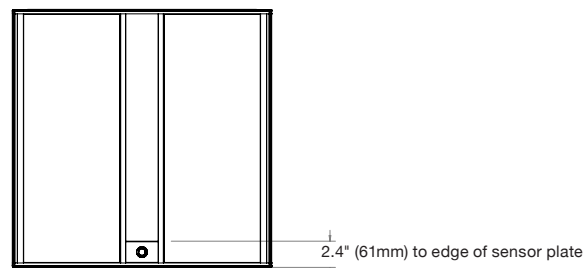
Center Visual Design (continued):



1x1 Sensor Location:



2x2 Sensor Location:

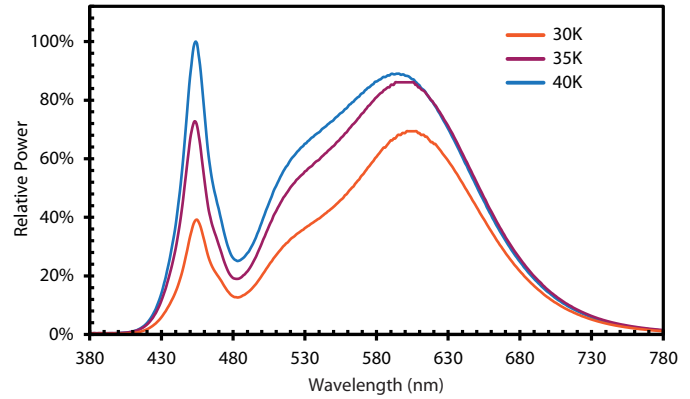


Details (continued)

Color Characteristics:

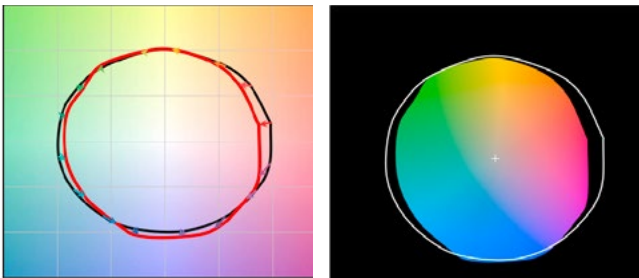
Value	Ordering Code		
	30K	35K	40K
Rf	83	82	82
Rg	96	96	96
CCT (K)	3009	3494	3975
Duv	-0.0009	-0.0004	-0.0003
x	0.435	0.4052	0.3814
y	0.4012	0.3898	0.3768
CIE Ra	83	83	84

Spectral Distribution:

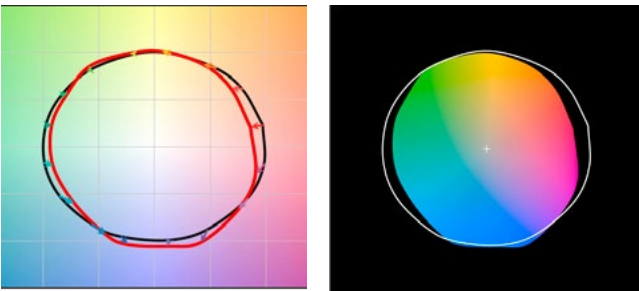


Color Vector Graphic:

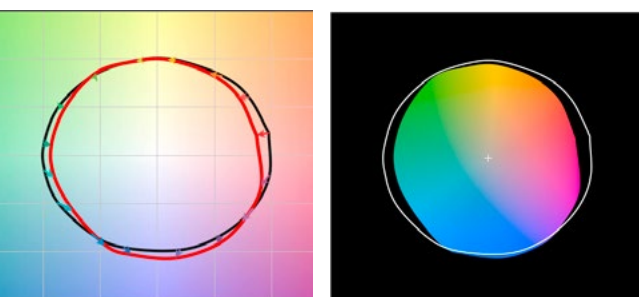
30K:



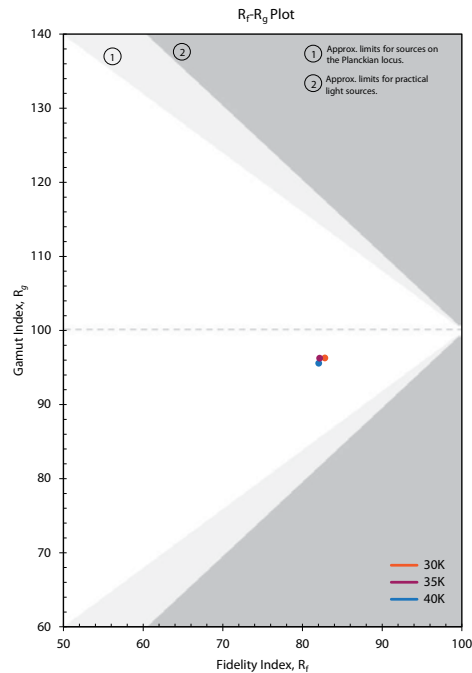
35K:



40K:



Color Gamut/Fidelity Plot



CRI:

80 minimum

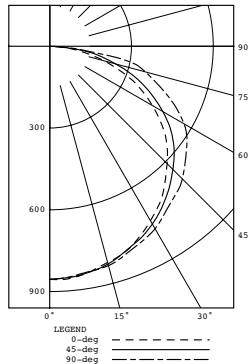
CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	83	82	91	97	81	82	89	84	62	13	79	79	69	84	99
35K	83	81	89	95	81	81	85	86	65	13	73	79	62	83	97
40K	84	82	90	94	82	82	85	87	68	17	74	80	60	84	97

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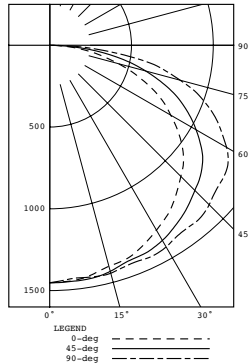
Photometry

Fixture: 50LPH-G-D-11-SOF-C1-35K-D290
CCT: 3500K
Output: D290
Nominal lumens: 2900 lumens
Efficacy: 86 LPW
Test report: 50LPH-G-D-11-SOF-C1-35K-D290



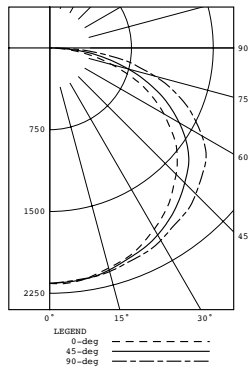
Zone	Zonal Lumens	
	Lumens %	Lamp %
0-30	676	23.3
0-40	1127	38.9
0-60	2115	73.1
0-90	2894	100.0
90-180	0	0.0
0-180	2894	100.0

Fixture: 50LPH-G-D-22-OPN-C1-35K-D580
CCT: 3500K
Output: D580
Nominal lumens: 5800 lumens
Efficacy: 135 LPW
Test report: 50LPH-G-D-22-OPN-C1-35K-D580



Zone	Zonal Lumens	
	Lumens %	Lamp %
0-30	1187	20.4
0-40	2026	34.8
0-60	4018	69.0
0-90	5819	100.0
90-180	0	0.0
0-180	5819	100.0

Fixture: 50LPH-G-D-24-SOF-C1-35K-D570
CCT: 3500K
Output: D570
Nominal lumens: 5700 lumens
Efficacy: 124 LPW
Test report: 50LPH-G-D-24-SOF-C1-35K-D570



Zone	Zonal Lumens	
	Lumens %	Lamp %
0-30	1243	21.8
0-40	2099	36.8
0-60	4056	71.1
0-90	5704	100.0
90-180	0	0.0
0-180	5704	100.0