



SKYLER™ 2.0

Volumetric LED Flat Panel Luminaire

Client: _____

Order #: _____

Project Name: _____

Type: _____ Qty: _____

Performance Data

CRI

90+

CCT

3000K, 3500K, 4000K

Projected Lifetime

>54,000 Hours (L70);

>51,000 Hours (L90)

Dimming

1% Dimming Standard

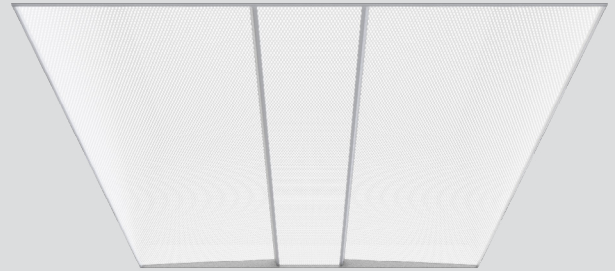
Operating Temperature

-40°C to +50°C

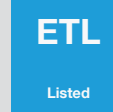
Warranty

5 year Standard

10 year Optional



DECO MESH™ TEMPER SWITCH™
3000 | 3500 | 4000



Description

The Skyler 2.0 recessed volumetric back lit panel luminaire is an innovative LED fixture designed to deliver a modern aesthetic and complement today's interior spaces. Featuring a low-profile form factor, the Skyler 2.0 is ideal for buildings with a low plenum space and is suitable for all standard 1x4, 2x2 or 2x4 grid ceilings. Incorporating back-lit LED technology and micro-prismatic conical structures in the diffuser lens, the Skyler features a Unified Glare Rating (UGR) of less than 19, delivering light where it is needed and reducing direct glare to inhabitants. This creates a soft and comfortable lighting experience for commercial and institutional spaces including open offices, classrooms, retail and healthcare facilities.

Features

- Extruded aluminum frame powder coated white
- Light emitting surfaces are back-lit acrylic for uniform illumination
- Micro-prismatic lens delivers a Unified Glare Rating (UGR) of less than 19
- FCC Compliant
- Die formed CRS housing, powder coated white
- Temperswitch allows users to select between 4000K, 3500K, and 3000K in the field by simply switching an easily accessible three position switch. Fixture comes set/standard at 40K.
- Meets CCEA Chicago Plenum Compliant

SKYLER

A

B

C

D

UNV

E

BT

F

G

H

Ordering Information

A FIXTURE SERIES

SKYLER Skyler 2 Volumetric Luminaire

B SIZE

14	1' x 4'
22	2' x 2'
24	2' x 4'

C WATTAGE/LUMENS (SIZE 14)

28	28W/2100 ¹
35	35W/2625 ¹
40	40W/3000 ¹

WATTAGE/LUMENS (SIZE 22)

28	28W/2800 ¹
35	35W/3510 ¹
40	40W/3950 ¹

D WATTAGE/LUMENS (SIZE 24)

28	28W/2810 ¹
35	35W/3500 ¹
45	45W/3960 ¹

D CCT

303540 3000K-3500K-4000K

E VOLTAGE

UNV 120-277V

F BLUETOOTH

BT Bluetooth DECO Mesh™²

G OPTIONS

E Emergency

H WARRANTY³

-	5 Year Warranty
10	10 Year Warranty
10L	10 Year Warranty including labor

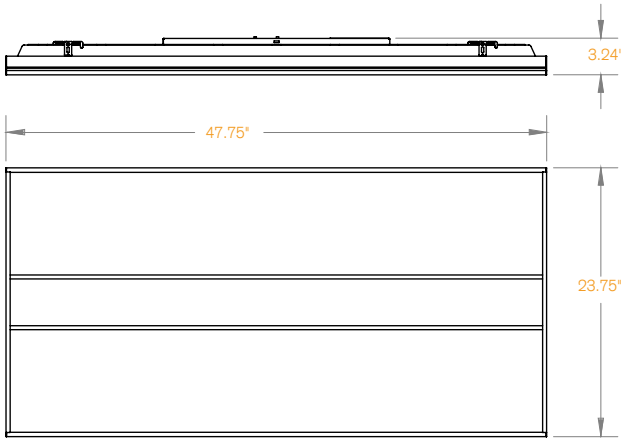
¹ Delivered Lumens (4000K)

² 1% Dimming when ordered with Bluetooth

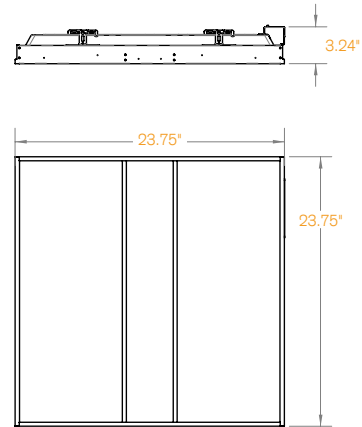
³ 5 Year Warranty is Standard unless specified

Dimensions

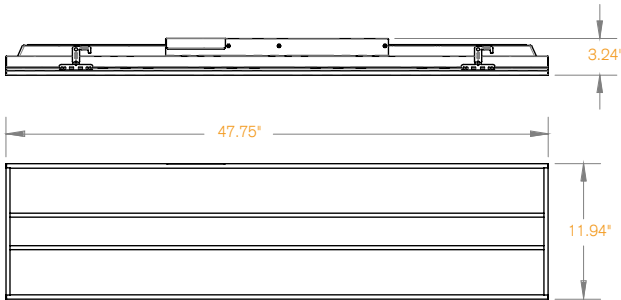
2x4



2x2



1x4



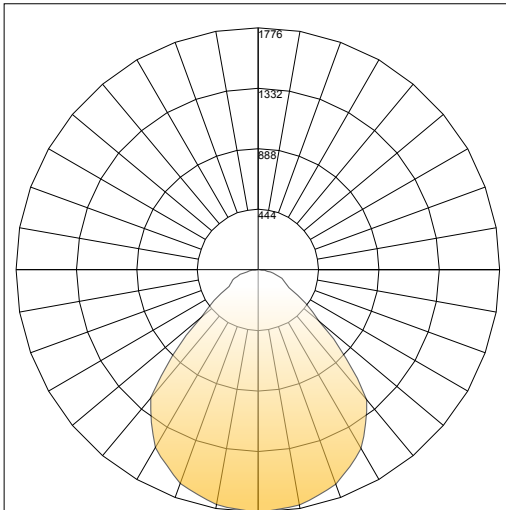
Photometric

POLAR GRAPH

SKYLER2-22-40-35050-U

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20



Maximum Candela = 1776.271 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	94	94	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Angle In Degrees	Angle In Degrees	Angle In Degrees
45	3480	3563	3912
55	1997	2897	1730
65	1424	1954	1278
75	1448	1853	1660
85	1511	1656	1244

Unified Glare Rating (UGR)

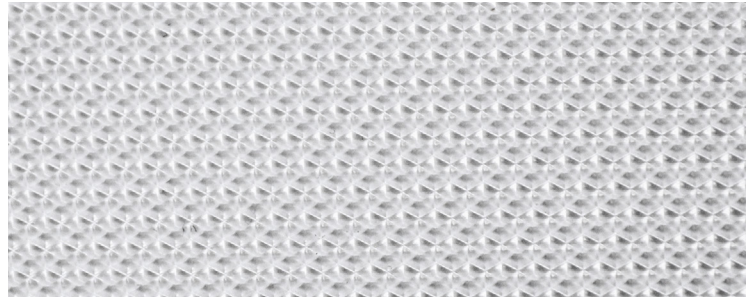
DECO LED Flat Panel with Flat Optix™ Lens:

- Light is redirected from 60° to 90° degrees of luminaire, UGR <19
- Conical structures built into the lens minimize high angle glare
- Allows for increased efficacy, rather than lumen output glaring at occupants
- High efficiency and energy saving
- Protection class: IP44 Damp Location Rated
- Increased productivity



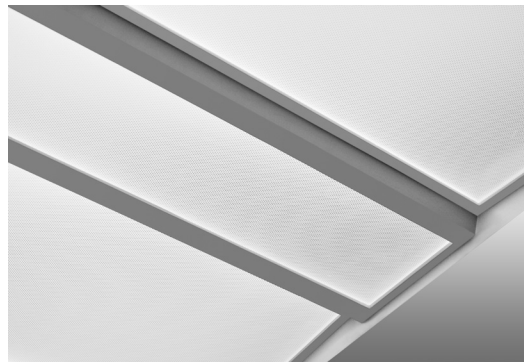
□ = Volumetric flat panel with micro-prismatic lens will reduce glare going into the occupant's eyes
 — = 90° = 60°

Flat Optics™ Detail



Micro-prismatic technology redirects high-angle light, reducing visual glare. The light above 60° is suppressed to improve the Unified Glare Rating (UGR). This allows for the luminaire to be IESNA RP1-04 & EN12464 compliant, which are standards for office and indoor lighting.

Close-Up View



Standard LED Flat Panel:

- Harsh glare at viewing angles above 60°, UGR >24
- Wide beam angle at 120°
- Uncomfortable glare
- Reduction in visibility caused by intense light source in field of view
- Protection class: IP22 protects only from objects greater than 12 millimeters
- Loss of productivity



■ = High glare flat panel makes occupant's eyes feel uncomfortable
 — = 90° = 60°

UGR Criteria

UGR:	Hopkinson's Criterion:
<10	Imperceptible
<13	Just Perceptible
<16	Perceptible
<19	Acceptable
>22	Unacceptable
>25	Just Uncomfortable
>28	Uncomfortable

Micro-prismatic conical structures provide the most optimal luminance of a fixture from any viewing angle. The UGR rating of less than 19 provides the most acceptable glare for task lighting.