MARK ARCHITECTURAL LIGHTING™

Slot 4 LED
Recessed Tunable White
DC2DC Architecture

Type:

Project:

Catalog Number:
DO NOT TYPE HERE. Autopopulated field.

Slot 4 LED combines tunable white with beautiful form and function.

Slot 4 LED is the ideal choice for spaces that emphasize lines and clean contemporary design. It is a perfect fit for Armstrong TechZone™ ceiling systems. A regressed lens option provides added dimension to the sleek, slender design.

Flush

Regressed

Specification Features (continued on page 3)

Housing
Nominal 2" x 2', 3', 4', 5', 6', 7', 8' and continuous rows in 1" increments as standard, upper housing fabricated from cold-rolled steel with extruded aluminum ceiling trim.

Finish
Polyester powder coat painted finish.

Reflector
Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

Shielding
Flush Lens: Snap-in 90% transmissive satin acrylic lens. Lens is not sealed or gasketed.
Regressed Lens: Lay-in 90% transmissive satin acrylic lens.

Mounting
Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee.

Certification
CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750). This product is IC rated. Optional Damp (DPL) location listing available with specified nomenclature.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Technical Drawing

Flush - (FLP)

eldoLED
your product | our drive

Declare.
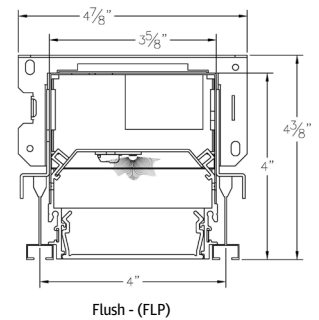
Fixture Performance- SL4L*

Range	Lumens Output	400LMF		600LMF		800LMF		1000LMF	
	Fixture Style	RLP	FLP	RLP	FLP	RLP	FLP	RLP	FLP
PROR	Delivered Lumens/FT	302-344	300-343	494-584	492-582	708-800	705-796	928-989	924-985
PROR	DC Input Watts/FT**	3-4	3-4	5-6	5-6	7-8	7-8	9-10	9-10
PROR	LPW	90-101	90-101	94-105	94-105	93-106	92-105	90-105	90-104
RHYR	Delivered Lumens/FT	307-334	306-335	512-560	509-558	712-779	708-776	901-986	897-982
RHYR	DC Input Watts/FT**	3-4	3-4	5-6	5-6	7-8	7-8	9-10	9-10
RHYR	LPW	90-107	90-107	92-117	92-117	92-116	92-115	91-111	91-110
BOTH	# Device Addresses per 4FT***	2	2	2	2	2	2	2	2
BOTH	# Device Addresses per 8FT***	2	2	2	2	4	4	4	4

*Based on SL2L FLP 80CRI TUWH PROR (30K-50K) or SL2L FLP 80CRI TUWH RHYR (27K-65K)
**Standard photometry based on AC wattage, DC wattage = AC wattage *.93
***TUWH requires 2 device addresses minimum (CCT & Dim) Consult factory for other section lengths & when downlights are included.

Note: *UGR data available on last page*

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SLOT 4 LED RECESSED NTUNE DC2DC   04/22/24

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Ordering

Example: SL4L LOP 14FT FLP FL 90CRI TUWH RHYR 800LMF DARK 57VDC DCHUB 1VPIR15ADC

Series	Linear Length Plan		Total Run Length	Fixture Style	Ceiling Trim (See page 4 for details)	Direct Light Source Color Rendering	Dynamic Feature
SL4L Slot 4 LED Linear Recessed	**LOP** Linear Optimized Plan	**2FT** 2' **3FT** 3' **4FT** 4' **5FT** 5' **6FT** 6'	**7FT** 7' **8FT** 8' **_FT__** *Specify continuous linear feet in 1" increments (7FT6 = 7FT 6IN)	**RLP**[1] Regressed Lens **FLP**[2] Flush Lens	**FL**[4] 5/8" Flange(sheetrock) **FLINB**[9,10] 5/8" Flange (sheetrock) Install From Below **TG** 9/16" or 15/16" Flat or Inverted Tee **GB**[4] Trimless (sheetrock) **WFL** Perimeter Mount, 5/8" Flange (Sheetrock) **WTG** 9/16" Flat or Inverted Tee, Perimeter Mount *For metal pan, hard wood or other ceiling types consult factory.	**80CRI** 80 CRI **90CRI** 90 CRI	**TUWH** Tunable White

Dynamic Range	Direct LED Light Output	Direct Distribution	Minimum Dimming Level	Voltage	Finish
PROR Productivity Range (3000K-5000K) **RHYR** Rhythm Range (2700K-6500K)	**400LMF** 400 Lumens per FT **600LMF** 600 Lumens per FT **800LMF** 800 Lumens per FT **1000LMF** 1000 Lumens per FT	**(Blank)** Standard Distribution **WW**[5] Wall Wash	**DARK** Constant current, dimming to 0.1%	**57VDC** 57 Volt DC	**(Blank)** White (satin) **xxx/BLKT** Black (satin) **xxx/SLVT** Silver (satin) **xxx/AMF** Anti-Microbial White (satin) **xxx/RALTBD** RAL paint finish xxx = fill in with the appropriate ceiling trim. Only trims are painted. RALTBD is for pricing only. Replace with applicable RAL number and texture when placing order.

Control Interface	Primary Sensor[7]	Secondary Sensor[7]	Tertiary Zone	Options
DCHUB Required Power and Control Hub (Order separately) Note: DCHUB purchase required	**(blank)** Select if single zone, no sensor **NS_** Select if multi-zones required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture **_VPIR15 ADC*** PIR OCC Sensor with Auto-Dim Photocell, Large Motion Range *Not available with Secondary or Tertiary zones. Only one sensor per fixture section.	**(blank)** Select if single zone **SNS_** Select if secondary zone is required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture.	**(blank)** Select if single zone **TNS_** Select if tertiary zone is required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture.	**DPL**[10] Damp Location Listing

Notes
1. Supplied with lift and shift lay-in lens.
2. Supplied with snap-in lens.
3. No longer applicable.
4. Not intended for post sheetrock installation.
5. WW not available with downlights, RLP lens and all sensors.
6. No longer applicable.
7. Sensors not available with WW, RLP, downlights, or 2' & 3' units. Default location for sensor is the left side of the fixture. For runs the first fixture will include the sensor.
8. Lens is not sealed or gasketed.
9. 1" increments will have extended lead time.
10. Not available with RLP regressed lens option.

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Specification Features (continued)

LED Life
Rated 65,000 hours (L80) at 25 °C ambient temperature.

Color Consistency
The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board. (< 5 Step Productivity Range; <8 Step Rhythm Range)

Driver
eldoLED constant current driver options deliver choice of dimming range for ultrasmooth dimming resolution from 100% to less than 1% , and choices for control, while assuring flicker free, low current inrush, 89% efficiency and low EMI.

**Mainstream Dynamic Tunable White with nTune Technology**
Tunable white nTune™ is an all digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system already familiar to schools. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment. nTune™ allows color temperature settings through the Productivity Range of 3000K 5000K or Rhythm Range of 2700K to 6500K. Refer to the nLight Programming User's Guide for instructions on customizing to your application with SensorView™.

Tunable White GPHD
- **Gamut**: One dimensional warm-Cool
- **Path**: Direct 3000K to 5000k (Productivity Range) or 2700K to 6500K (Rhythm Range)
- **Handle**: Two Natural Language Handles: Intensity and CCT
- **Data**: nLight with nTune technology for both handles of control
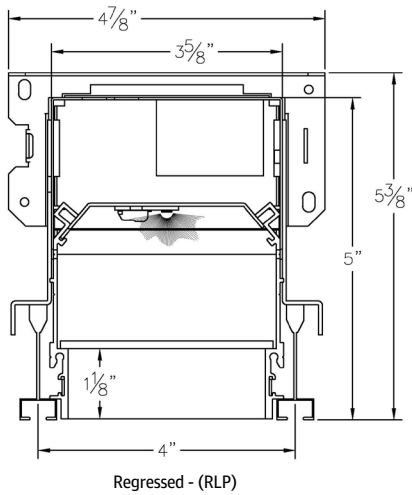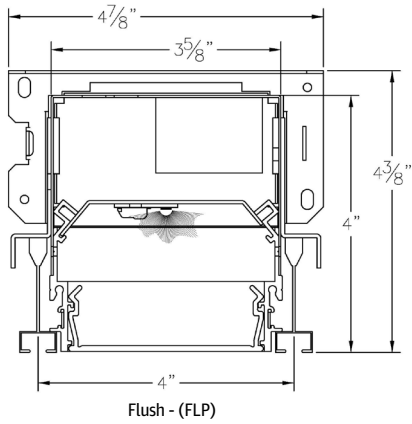
Photometry
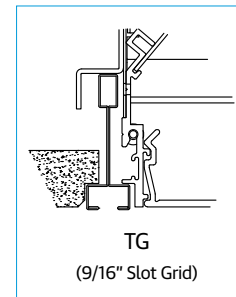For photometric information refer to www.marklighting.com.

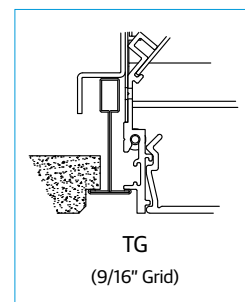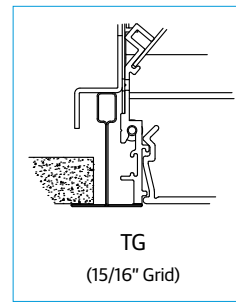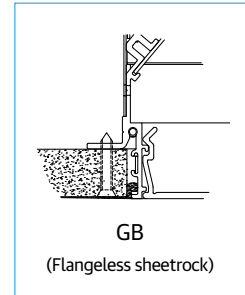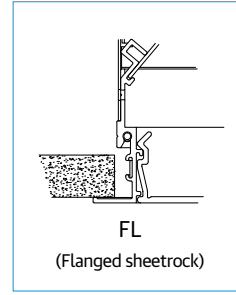Ⓐ Productivity Range 3000K to 5000K

Ⓑ Rhythm Range 2700K to 6500K
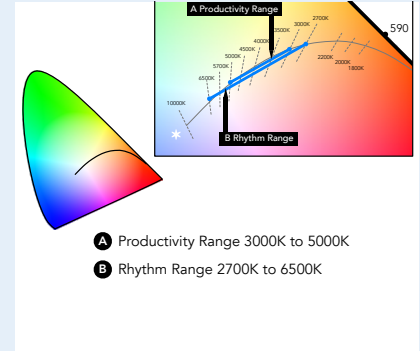
Integrated Controls
Optional Vertex embedded sensor with 360 degrees of full coverage with PIR occupancy and on/off auto-dimming photocell.

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Technical Drawing

Flush - (FLP)

Regressed - (RLP)

Ceiling Trim

FL
(Flanged sheetrock)

GB
(Flangeless sheetrock)

TG
(15/16" Grid)

TG
(9/16" Grid)

TG
(9/16" Slot Grid)

TG ceiling trim is suitable to mounted to a 4" techzone ceiling type.

Intelligent Luminaire Guide

Driver Configurations

Choose nomenclature from these columns

Minimum Dimming Level	Control Input	Driver	Dimming Range	Notes
DARK +	DCHUB =	eldoLED DUALdrive DC Driver	100% to 0.1%	Logarithmic Dimming

Control/Sensor Configurations

Choose nomenclature from these columns

Control Input	Sensor	Sensor	Notes
DCHUB +	VPIR15ADC =	Vertex 15F EZ ADC VLP	360 degree full coverage for 8'-15' mounting height with PIR occupancy sensor and on/off auto-dimming photocell

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Slot 4 LED
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DC2DC Architecture
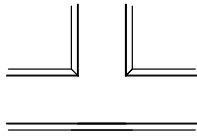
Continuous Runs

Slot 4 LED continuous rows can be configured in 1" increments.

Run Patterns, Corners and Junction

Slot 4 LED patterns be configured in 1' increments with illuminated 90° inside and outside corners, T junctions, and X junctions with standard 2' corner and junction lengths. For custom angles, corner or junction lengths, consult factory.
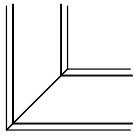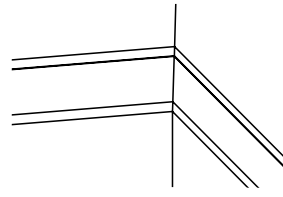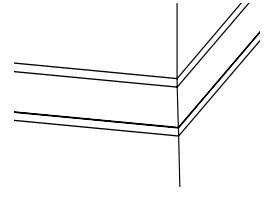

90° Corner   T Junction   X Junction   Inside Corner   Outside Corner
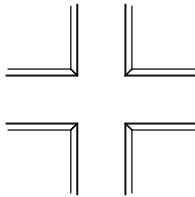
Layout Sketch

Please draw and configure your linear run below.

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DC2DC

DC-powered Lighting, DC2DC Architecture

Acuity Brands' DC2DC architecture provides for distributed low-voltage DC power and digital controls for a range of LED luminaires, including the SLOT 4 LED Recessed.

The DC2DC architecture enhances an LED lighting system's efficiency by eliminating the need and cost to convert AC to DC power at the luminaire and facilitating the installation and commissioning of lighting controls. Intrinsically more efficient by design, our DC-powered lighting architecture also delivers savings at design and installation, facilitates maintenance, and empowers lighting design focused on sustainable and well-being applications.
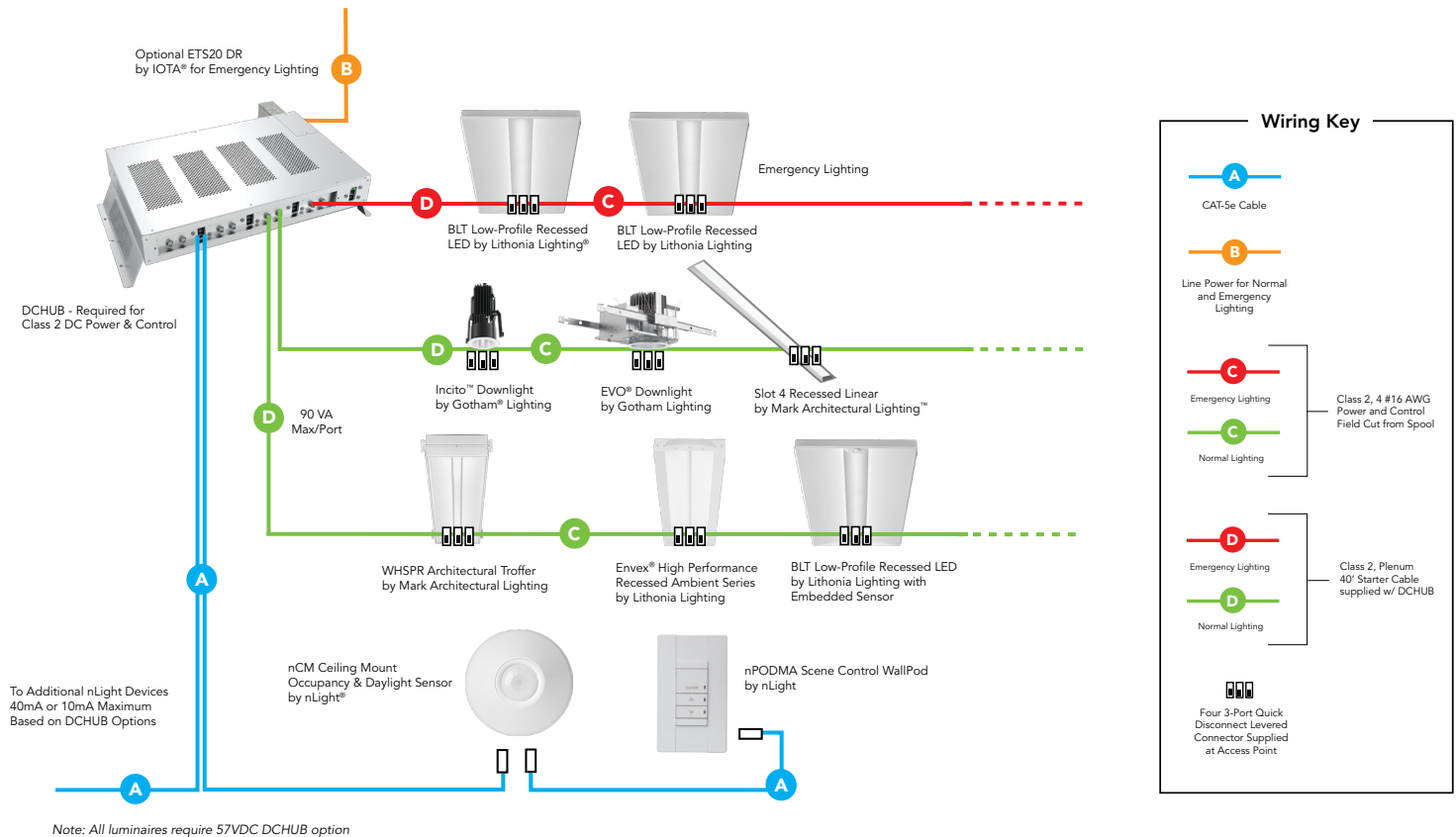
Components include:

• DCHUB (ordered separately), distributes DC power and control to up to 1080 VA of DC-powered LED luminaires including support for emergency lighting. *

• 57 VDC powered LED luminaires, with Static CCT or Tunable White options.

• nLight® Wired networked lighting control, with nLight control devices (ordered separately) and/or sensors embedded within luminaires.

• Standard Class 2 power and control cables, 16 AWG.

* The number of luminaires that can be supported by a single DCHUB port is a function of luminaire wattage. Please refer to the DCHUB spec sheet for additional details.

Click DC2DC for more information.

DC2DC Architecture

Optional ETS20 DR by IOTA® for Emergency Lighting **B**

DCHUB - Required for Class 2 DC Power & Control

Emergency Lighting

D **C** BLT Low-Profile Recessed LED by Lithonia Lighting®

C BLT Low-Profile Recessed LED by Lithonia Lighting

D 90 VA Max/Port

D **C** Incito™ Downlight by Gotham® Lighting

C EVO® Downlight by Gotham Lighting

Slot 4 Recessed Linear by Mark Architectural Lighting™

C WHSPR Architectural Troffer by Mark Architectural Lighting

Envex® High Performance Recessed Ambient Series by Lithonia Lighting

BLT Low-Profile Recessed LED by Lithonia Lighting with Embedded Sensor

A To Additional nLight Devices 40mA or 10mA Maximum Based on DCHUB Options

nCM Ceiling Mount Occupancy & Daylight Sensor by nLight®

nPODMA Scene Control WallPod by nLight

A **A**

Note: All luminaires require 57VDC DCHUB option

Wiring Key

A CAT-5e Cable

B Line Power for Normal and Emergency Lighting

C Emergency Lighting

C Normal Lighting

Class 2, 4 #16 AWG Power and Control Field Cut from Spool

D Emergency Lighting

D Normal Lighting

Class 2, Plenum 40' Starter Cable supplied w/ DCHUB

Four 3-Port Quick Disconnect Levered Connector Supplied at Access Point

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OPTICS

Slot LED's patent-pending, precision lumen DIRECTIR optics condition and refract light to deliver accurately controlled, striation-free, and uniform white light. All lumen DIRECTIR optics are injection-molded, optical grade, UV-resistant acrylic with selective finishing/polishing treatment.
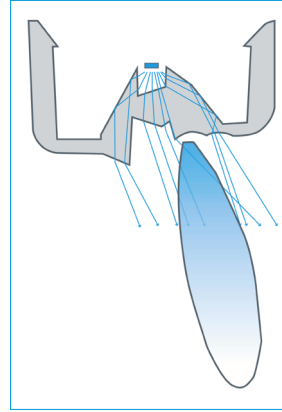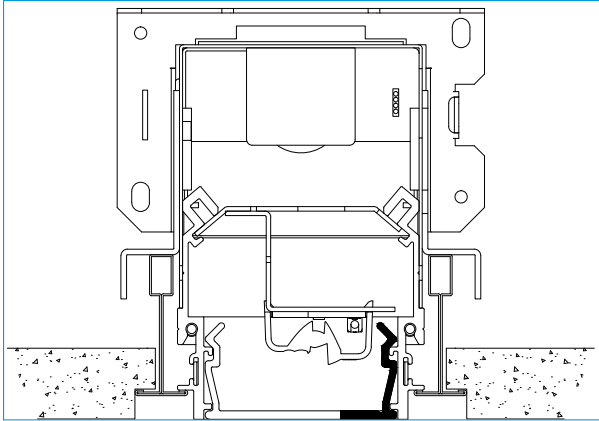

Optional Wall Wash (WW)
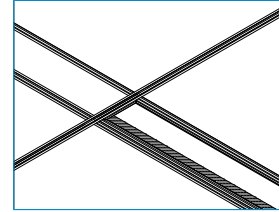
OCCUPANCY DETECTION COVERAGE

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.

Lens rotates 15° to enable adjustment

4.5	15
3.8	12.5
3	10
2.5	7
1.5	5
0.75	2.5
0 m	0 ft
0.75	2.5
1.5	5
2.5	7
3	10
3.8	12.5
4.5	15
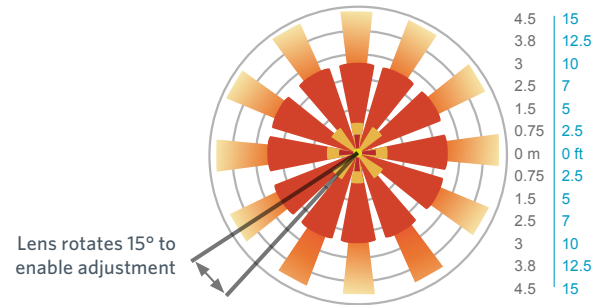
UGR CHART

| Lumen Package | UGR (70% 50% 20% REFLECTANCE USING A 4H X 8H ROOM SIZE) | | | | | |
| | Crosswise | | | Endwise | | |
	FLP	RLP	WW	FLP	RLP	WW
400LMF	21.4	20.8	20.2	21.4	17.8	18.7
600LMF	23.3	22.7	22.1	23.3	19.7	20.6
800LMF	24.4	23.7	23.2	24.3	20.8	21.6
1000LMF	25.2	24.5	24	25.1	21.6	22.4

UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.
*** Click here for more information on UGR FAQ*

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