



1142-GB • RGBW • IN-GRADE

Specification Sheet | Commercial Series • Linear In-Grade

TYPE:

MODEL:

PROJECT:

PRODUCT FEATURES



Wattage	36 W (MAX)
Voltage	120 – 277 VAC
Lumens	3088 Delivered Lumens (MAX)
Distribution	Narrow, Medium Flood, Wide Flood, Wall Wash, Wall Grazer
Color	RGB and Tunable White (2200K – 6000K)
Controls	DMX 512-A with RDM capabilities
Driver	4 channel DMX512-A/RDM compatible
Dimensions	26 3/8" L x 4 5/8" W x 7 7/16" D



ORDERING INFORMATION

EXAMPLE: 1142-GB-MF-RGBW-IGS34-MV-DMX-GS

MODEL	DOOR	DISTRIBUTION	COLOR	MOUNTING	VOLTAGE	CONTROL	ACCESSORIES
1142	GB		RGBW	IGS34	MV	DMX	GS

MODEL	DOOR	DISTRIBUTION	COLOR
1142	GB Glass Border Door	NS Narrow MF Medium Flood WF Wide Flood WW Wall Wash WG Wall Grazer	RGBW RGB + Tunable White
MOUNTING	VOLTAGE	CONTROL	ACCESSORIES
IGS34 3/4" NPT Side Hubs	MV Multi Volt	DMX DMX 512-A with RDM capabilities	GS Internal Glare Shield



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SPECIFICATIONS

ROUGH-IN SECTION (RIS) CONSTRUCTION:

Extruded/injection molded polymeric body with molded polymeric junction boxes for maximum corrosion resistance. RIS features a flow thru recessed housing with fully sealed junction boxes. Drive over rated when properly installed in concrete with rebar re-enforcement. Rebar attachment kit constructed from stainless steel bracketry permanently affixed to RIS. The junction box suitable for through branch circuiting.

OPTIC MODULE CONSTRUCTION:

Extruded/die cast aluminum construction, Type III hard anodized for maximum corrosion protection. Module is wet location listed, fully sealed with optics and integral drivers internal to the optic module. The optic module snaps into the RIS using two spring tempered stainless steel clips. Electrical connectors are made via outdoor rated cabling and watertight connectors.

REFLECTOR:

Specular or semi-specular extruded aluminum optics anodized and bright dipped for maximum reflectivity.

LENS:

10mm (.393") thick tempered and beveled clear glass. Permanently affixed and sealed to the optics housing with RTV silicon. Masked frit opening (black only).

Brushed stainless steel bezel option available. See 1142-SS-RGBW specification.

ACCESSORIES:

Internal Glare Shield **GS**.

WIRING:

- **Power:** 3 conductor outdoor rated cable, terminates in isolated power junction box of the Rough-In-Section (RIS) housing.
- **Communication:** DMX outdoor rated cable: 2 twisted pairs in & out plus drain, terminates in isolated communication junction box of the Rough-In-Section (RIS) housing.
- **Cabling:** Exits luminaire housing through liquid tight cable fittings.

MOUNTING:

- **Fixture:** Snaps into Rough-In-Section (RIS) housing using two tempered stainless steel spring clips.
- **Rough-In-Section:** Stainless steel bracketry included for attachment to rebar for recessed mounting in concrete.
- **Concrete Pour Mask (CPM):** Included for recessed mounting in concrete.

LOAD RATING:

Peak compressive force of **7,000 lbs.** This represents 90% of max load to load failure on average. Independent tests performed by SGS US Testing Company, Inc., an ISO 17025 accredited National Testing Laboratory.

CERTIFICATION:

CUL US wet location listed.
Ingress Protection Rating: IP68

LED:

White and RGB LEDs arranged in four channel configuration.
Configuration allows for infinite color combinations.

CONTROLS:

Integral drivers equipped, One (1) included, with DMX512-A protocols. Each integral driver has a unique 12 digit UID. Fixture identification accessible through RDM and consumes 1 Node on a standard 32 Node (max) DMX BUS.

COLOR RENDERING (WHITE):

90 CRI minimum at 3000K

LIGHT DISTRIBUTION [WHITE]:

Narrow **NS** (88.3° H x 28.4° V) | Max. Candela: 2265
Medium Flood **MF** (95.1° H x 57.0° V) | Max. Candela: 1866
Wide Flood **WF** (78.2° H x 88.2° V) | Max. Candela: 1147
Wall Wash **WW** (83.5° H x 50.6° V) | Max. Candela: 1545
Wall Grazer **WG** (101.1° H x 20.6° V) | Max. Candela: 4248

DRIVER:

4 channel DMX512-A/RDM compatible driver 12 digit UID number.

Driver is factory set to start Channel 1:

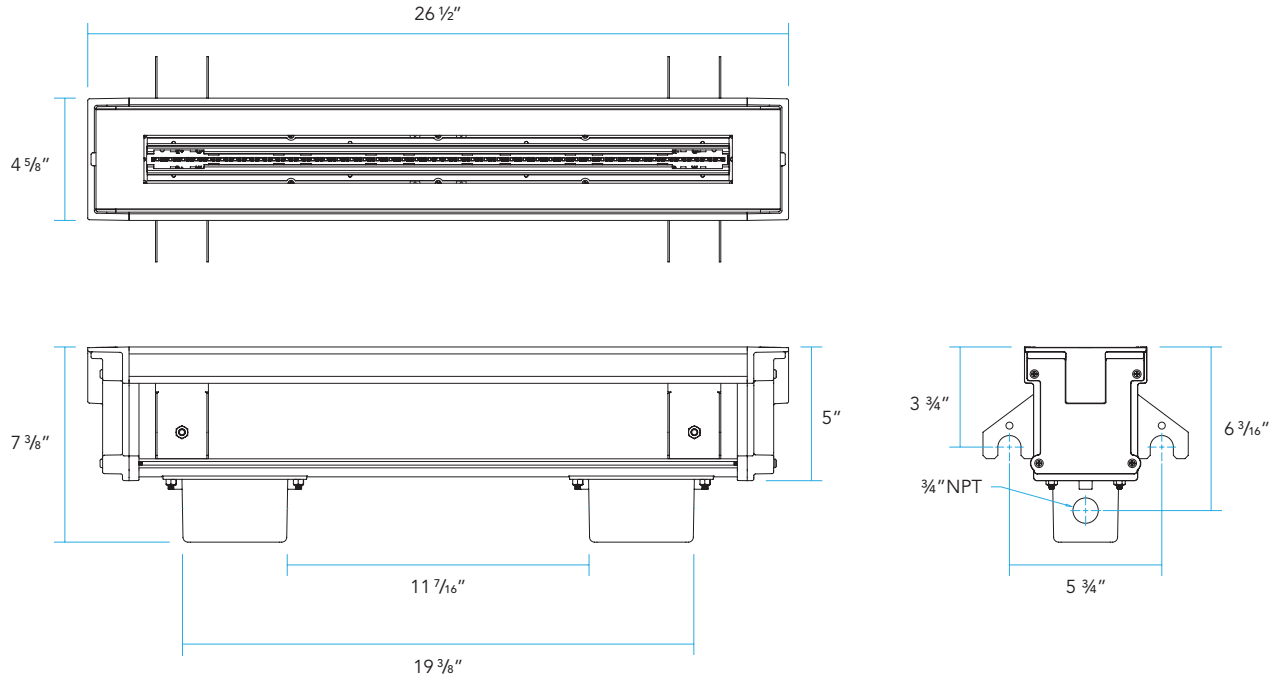
Channel 1 – Red
Channel 2 – Green
Channel 3 – Blue
Channel 4 – White

The start channel can be changed during commissioning via RDM using the driver 12 digit UID number.





DIMENSIONS



DELIVERED LUMENS SPECIFICATION

DISTRIBUTION	RED	GREEN	BLUE	WHITE
Narrow NS	15 Watts 395 Lumens	21 Watts 942 Lumens	20 Watts 213 Lumens	36 Watts 2401 Lumens
Medium Flood MF	15 Watts 468 Lumens	21 Watts 1147 Lumens	20 Watts 261 Lumens	35 Watts 2835 Lumens
Wide Flood WF	15 Watts 442 Lumens	21 Watts 1037 Lumens	21 Watts 276 Lumens	36 Watts 2453 Lumens
Wall Wash WW	15 Watts 458 Lumens	21 Watts 1066 Lumens	21 Watts 281 Lumens	37 Watts 2564 Lumens
Wall Grazer WG	15 Watts 537 Lumens	21 Watts 1275 Lumens	21 Watts 340 Lumens	37 Watts 3088 Lumens





CHROMATICITY

COLOR TEMPERATURE WHITE [W]:

2200K – 6000K CCT

RED WAVELENGTH [R]:

619nm – 625nm

GREEN WAVELENGTH [G]:

520nm – 530nm

BLUE WAVELENGTH [B]:

465nm – 475nm

LED MODELS:

Lumileds LUXEON 2835 HE

Lumileds LUXEON 3528 RGB

- R** Red Wavelength Range
- G** Green Wavelength Range
- B** Blue Wavelength Range
- W** White Color Temperature Range
- A** Combined RGB Visible Color Range

