MetalOptics™
An Acuity Brands Company
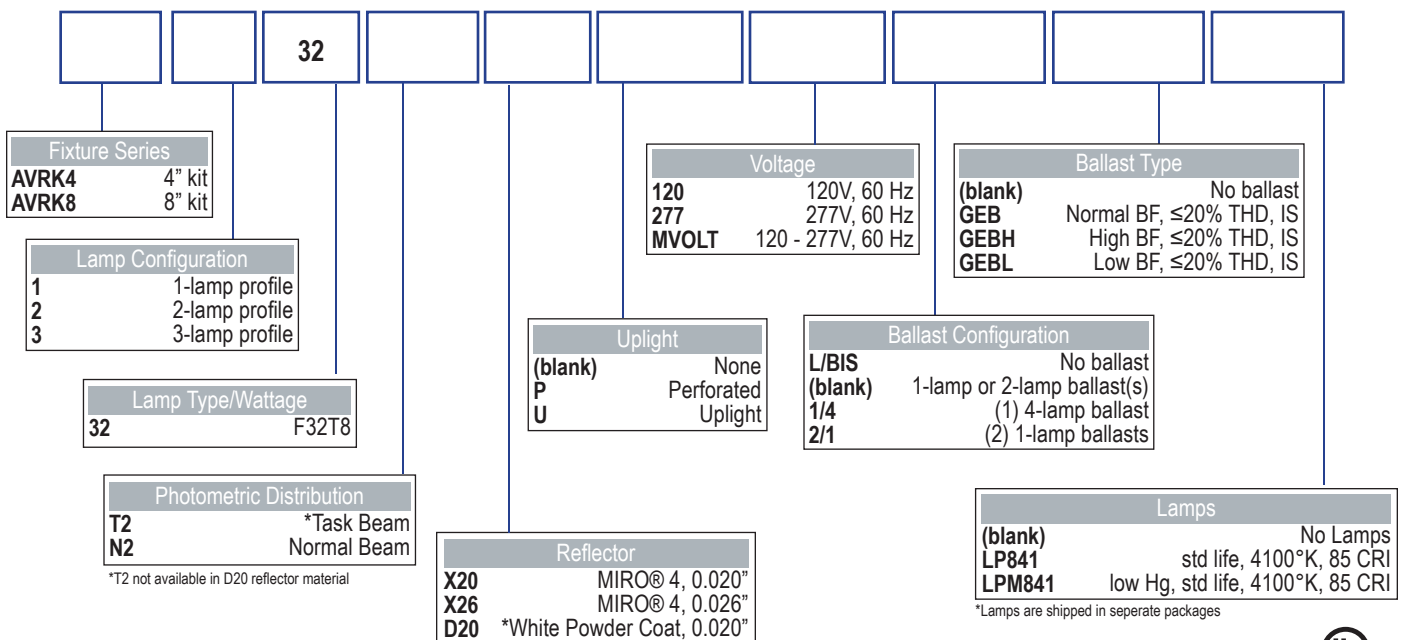
Specifications

Reflectors - Precision formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum warranted for 25 years. White reflectors have 93+% total reflectance and are finished with an in-house polyester powder coating system. Reflector optics are available in a wide variety of photometric distributions and spacing criteria.

Mounting - The AVRK industrial retrofit kit mounts easily, requiring only simple hand tools. The process includes removal of the existing ballast cover(s) and removal of the existing socket brackets and ballast. The reflector is then attached to the existing strip channel with die-formed lances or quarter turn fasteners.

Electrical - Lamps are secured with rotary locking lamp sockets for ease of relamping and to reduce lamps disconnecting due to vibration or incidental contact. Kit is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations. Lamp socket accepts No. 18 gauge wire, either solid, solder dipped or twisted-tinned or fuse wire.

Approval - UL Listed as luminaire conversion, retrofit.

Catalog Logic

| | | 32 | | | | | | | | |

Fixture Series	
AVRK4	4" kit
AVRK8	8" kit

Lamp Configuration	
1	1-lamp profile
2	2-lamp profile
3	3-lamp profile

Lamp Type/Wattage	
32	F32T8

Photometric Distribution	
T2	*Task Beam
N2	Normal Beam

*T2 not available in D20 reflector material

Reflector	
X20	MIRO® 4, 0.020"
X26	MIRO® 4, 0.026"
D20	*White Powder Coat, 0.020"

Uplight	
(blank)	None
P	Perforated
U	Uplight

Voltage	
120	120V, 60 Hz
277	277V, 60 Hz
MVOLT	120 - 277V, 60 Hz

Ballast Configuration	
L/BIS	No ballast
(blank)	1-lamp or 2-lamp ballast(s)
1/4	(1) 4-lamp ballast
2/1	(2) 1-lamp ballasts

Ballast Type	
(blank)	No ballast
GEB	Normal BF, ≤20% THD, IS
GEBH	High BF, ≤20% THD, IS
GEBL	Low BF, ≤20% THD, IS

Lamps	
(blank)	No Lamps
LP841	std life, 4100°K, 85 CRI
LPM841	low Hg, std life, 4100°K, 85 CRI

*Lamps are shipped in seperate packages

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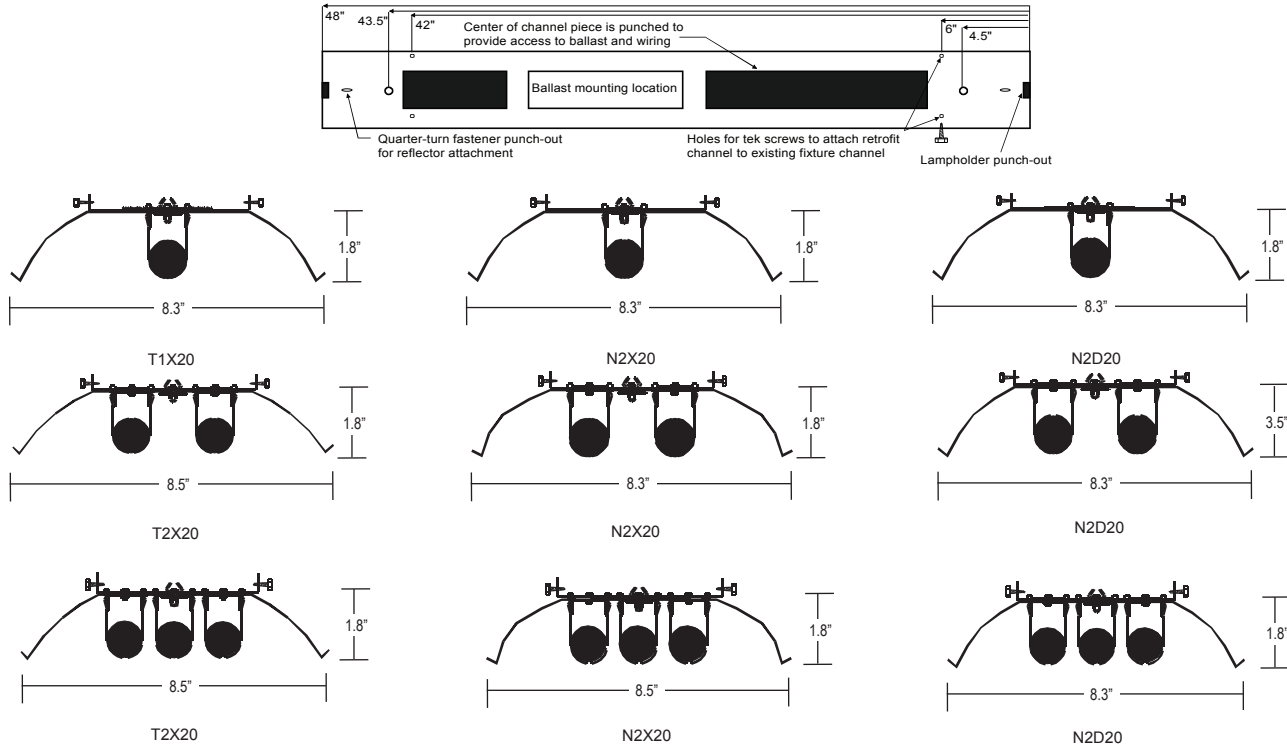www.metaloptics.com   **800.324.2669**

Applications

MetalOptic's AVRK industrial retrofit kit is designed to provide maximum efficiency lighting for retail, industrial and commercial applications. The AVRK easily coverts existing i4' and 8' strips to enhance light levels. The AVRK industrial retrofit kit maximizes fixture efficency and provides uniform light distribution.

Dimensions

48" 43.5" 42" Center of channel piece is punched to provide access to ballast and wiring 6" 4.5"

Ballast mounting location

Quarter-turn fastener punch-out for reflector attachment

Holes for tek screws to attach retrofit channel to existing fixture channel

Lampholder punch-out

T1X20 — 1.8", 8.3"	N2X20 — 1.8", 8.3"	N2D20 — 1.8", 8.3"
T2X20 — 1.8", 8.5"	N2X20 — 1.8", 8.3"	N2D20 — 3.5", 8.3"
T2X20 — 1.8", 8.5"	N2X20 — 1.8", 8.5"	N2D20 — 1.8", 8.3"

Features

Preassembled in 4' or 8' nominal lengths, also available in a variety of lamp configurations. The AVRK industrial retrofit kit is designed for easily fit up to most commercial fluorescent strip fixtures, and installs with simple hand and power tools. Channel is secured to the strip fixture channel with self tapping screws. The reflector is attached to the new channel cover with die-formed lances and quarter turn fasteners. The AVRK industrial retrofit kit includes channel, reflector, sockets; and is hardwired for quick installation.

Photometrics

SC Across Definitions:
  Focus = < 0.9 Spacing Criterion (SC)   Task = 0.9 to 1.2 Spacing Criterion (SC)   Normal = 1.2 to 1.4 Spacing Criterion
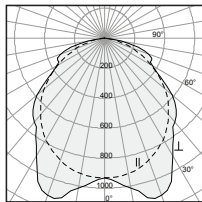 Spread = 1.4 to 1.8 Spacing Criterion (SC)   Broad = > 1.8 Spacing Criterion (SC)
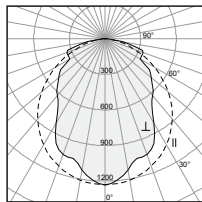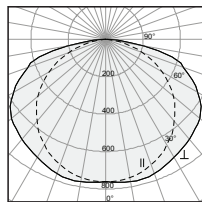
AVRK4 1 32 T2X20
Test #12484
Fixture Efficiency: 94.4%
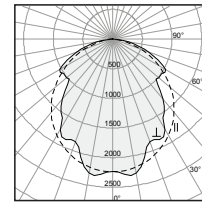SC Across: 1.2, SC Along:1.1

AVRK4 1 32 N2X20
Test #12174
Fixture Efficiency: 95.2%
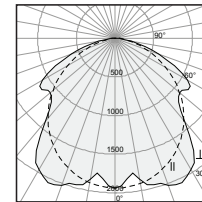SC Across: 1.2, SC Along:1.3

AVRK4 1 32 N2020
Test #12173
Fixture Efficiency: 91.1%
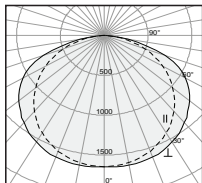SC Across: 1.3, SC Along:1.4

AVRK4 2 32 T2X20
Test #12186
Fixture Efficiency: 95.7%
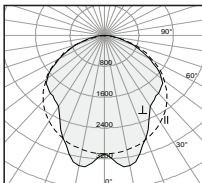SC Across: 1.2, SC Along:1.2

AVRK4 2 32 N2X20
Test #12185
Fixture Efficiency: 95.1%
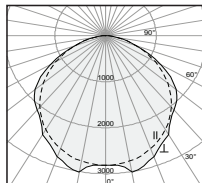SC Across: 1.2, SC Along:1.4

AVRK4 2 32 N2D20
Test #12187
Fixture Efficiency: 91.0%
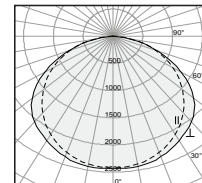SC Across: 1.3, SC Along:1.4

AVRK4 3 32 T2X20
Test #12177
Fixture Efficiency: 89.8%
SC Across: 1.3, SC Along:1.1

AVRK4 3 32 N2X20
Test #12176
Fixture Efficiency: 89.5%
SC Across: 1.2, SC Along:1.3

AVRK4 3 32 N2D20
Test #12178
Fixture Efficiency: 84.2%
SC Across: 1.3, SC Along:1.4