

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Round and square lenses provide a clean look for architectural environments
- Special reflectors are available to provide precise light distribution
- Row applications produce continuous light with minimal interruption between fixtures
- Diffuse acrylic lens enhances uniformity and minimizes glare
- Variety of mounting accessories for surface and suspended applications
- High-performance up to 142 lm/W
- Optional wireguard provides added protection
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – 22-gauge die-formed C.R.S.
- SHIELDING** – Diffuse acrylic lens.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High-quality mid-power LED boards. L70 >50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING** – Surface (ceiling or wall) or suspended (hanging hardware required).
- LISTINGS** –
 - cETLus conforms to UL STD 1598. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations
 - Complies with the Buy American Act and other federal regulations. Request certification at www.buy-american.com
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://www.hew.com/warranty)

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see [hew.com/poe](http://www.hew.com/poe)

ORDERING EXAMPLE: 75R - 4 - P72/835 - OPTIONS - POE PR

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT
75R Round lens	2 22-1/2"	2'	8 80	27 2700K
	4 44-5/8"	P23 2,300lm	9 90	30 3000K
75S Square lens	8 89-1/4" ^[2]	P34 3,400lm		35 3500K
		P34 3,400lm		40 4000K
		P34 3,400lm		50 5000K
		P34 3,400lm		TW Tunable white (3000K-5000K)
		P34 3,400lm		TW2 Tunable white (2700K-6500K)

OPTIONS ^[3]

See page 3 for **FINISH OPTIONS**. See page 3 for **SPECIAL REFLECTOR OPTIONS**.

WG-75 11-gauge white powder coat wireguard ^[5]

315 1-1/2" ceiling spacer

VBY (2) Y-hangers

VBY-2 (2) Y-hangers and (2) 2' chains

RA-75 Row aligner ^[6]

45AMB (2) 45° adjustable mounting brackets ^[7]

CONTROL ^[4]

POE PR Power over Ethernet-ready

AIRCRAFT CABLES (EXAMPLE: ACF/D48) ^[8]

Prefix	Type	Length
ACF/ Feeder	D 1" grid & hardpan	24 24"
ACJ/ Joiner	N 9/16" grid	48 48"
	S Slot grid	96 96"

NOTES

- Lumen output based on 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary +/-5%. See page 2 for **FIXTURE PERFORMANCE DATA**.
- Ships with (2) 4' lenses.
- See page 3 for **MOUNTING DETAILS**.
- For additional PoE connection details, consult factory.
- Ships separately, field-installed.

- Required when row mounting with aircraft cables.
- Low-voltage cord recommended, ships separately. See page 3 for **MOUNTING DETAILS**. Field-adjustable up and down in 7-1/2° increments.
- Requires RA-75 row aligner. Must specify low-voltage cord. See page 3 for **MOUNTING DETAILS**.



75R | 75S PoE | tunable WHITE Narrow Strip

FIXTURE PERFORMANCE DATA

STATIC WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2136	16	134
	P34	3222	24	134
4'	P34	3232	24	135
	P72	6784	49	138
8'	P73	6867	49	140
	P145 ⁽¹⁾	13680	100	137

¹ Fixture contains two nodes, one power drop per node required.

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier table to calculate additional options.

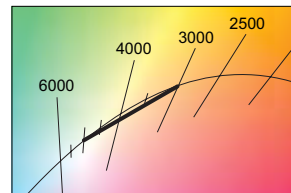
TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2203	16	138
	P34	3200	24	133
4'	P34	3219	24	134
	P72	6820	48	142
8'	P73	6877	49	140
	P145 ⁽¹⁾	13640	100	136

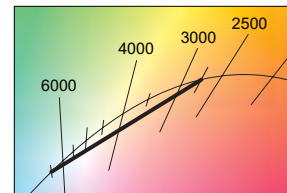
MULTIPLIER TABLE

COLOR TEMPERATURE				
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	—	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
90 CRI	6500K	—	—	1.01
	2700K	0.80	—	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	—	—	1.02

TW

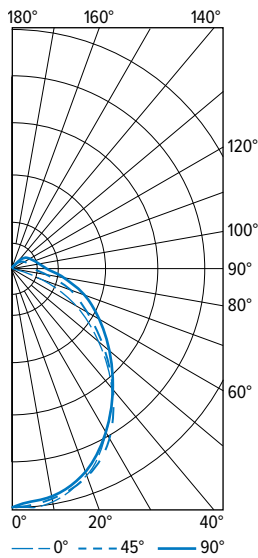


TW2



PHOTOMETRY

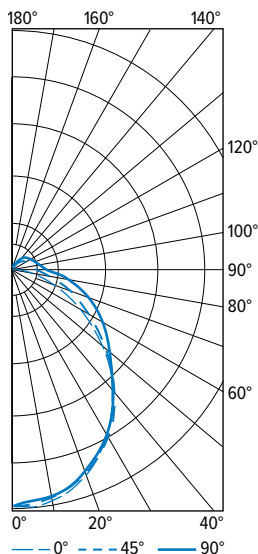
75R-4-P72/835 Total Luminaire Output: 6784 lumens; 49.0 Watts | Efficacy: 138 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2173	2173	2173	
5	2197	2166	2139	206
15	2097	2092	2077	589
25	1890	1932	1947	888
35	1604	1710	1768	1059
45	1240	1401	1528	1073
55	840	1086	1247	951
65	520	789	936	746
75	224	528	649	514
85	53	336	420	317
90	7	260	341	
95	1	208	276	189
105	0	125	184	114
115	0	79	124	69
125	0	45	85	39
135	0	24	53	20
145	0	10	29	8
155	0	5	13	3
165	0	0	3	0
175	0	0	0	0
180	0	0	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1682	25
	0 - 40	2741	40
	0 - 60	4765	70
	0 - 90	6342	94
	90 - 120	371	6
	90 - 150	439	7
	90 - 180	442	7
	0 - 180	6784	100

75S-4-P72/835 Total Luminaire Output: 6784 lumens; 49.0 Watts | Efficacy: 138.0 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2289	2289	2289	
5	2309	2279	2246	216
15	2206	2187	2160	615
25	1970	1979	1946	907
35	1650	1684	1647	1044
45	1270	1301	1326	1013
55	882	972	1082	880
65	518	704	856	692
75	226	454	624	471
85	39	270	411	278
90	0	206	326	
95	0	193	288	187
105	0	168	244	155
115	0	143	214	125
125	0	116	181	92
135	0	81	139	60
145	0	49	94	32
155	0	30	53	13
165	0	15	26	4
175	0	0	0	0
180	0	0	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1738	26
	0 - 40	2782	41
	0 - 60	4675	69
	0 - 90	6116	90
	90 - 120	467	7
	90 - 150	651	10
	90 - 180	668	10
	0 - 180	6784	100

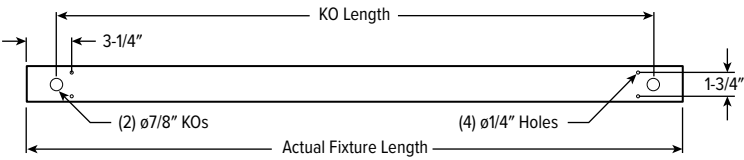


75R | 75S PoE | tunable WHITE

Narrow Strip

FIXTURE DETAILS

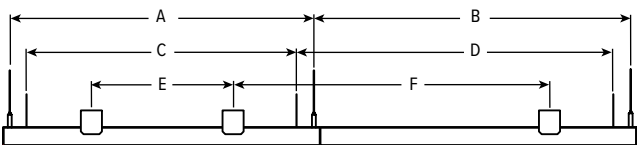
BACKVIEW



	7/8" KOs (G)	ACTUAL FIXTURE LENGTH (H)
2'	18-3/8"	22-1/2"
4'	40-1/2"	44-5/8"
8'	85-1/8"	89-1/4"

MOUNTING DETAILS

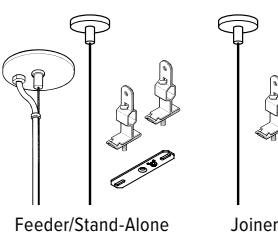
STAND ALONE



MOUNTING LENGTH

	AIRCRAFT CABLE		VBY HANGER		315 SPACER	
	A	B	C	D	E	F
2'	21-1/2"	22-1/2"	19"	22-1/2"	10"	22-1/2"
4'	43-5/8"	44-5/8"	41-1/4"	44-5/8"	32"	44-5/8"
8'	88-3/16"	89-1/4"	85"	89-1/4"	77"	89-1/4"

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



Notes:

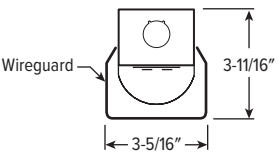
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Power is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row. One power drop per node required.

LOW-VOLTAGE CORD OPTIONS

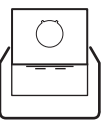
Must specify low-voltage cord when cable mounting.

ORDERING EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P PoE	24 24" 48 48" 96 96"	/W White /B Black

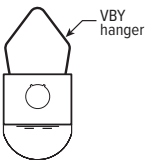
WG-75 75R



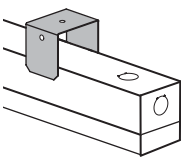
75S



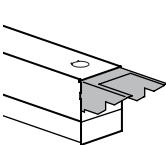
VBY



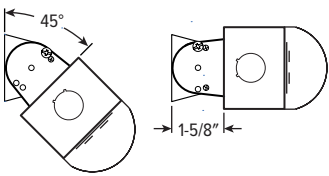
315



RA-75

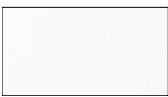


45AMB



FINISH OPTIONS

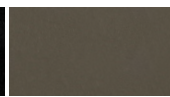
WHITE



BLACK



BRONZE



NICKEL



SILVER



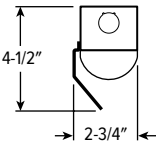
ALUM



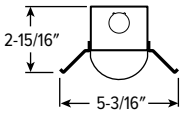
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

SPECIAL REFLECTOR OPTIONS

R1015



R1172



Reflectors ordered and shipped separately. Cannot be used with wireguard accessories. To remove reflector, first remove the lens.

Example: **R1172-4-75LED REFL**



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

REV.03/26/25.MH